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Supplemental Data

Gene-centric Meta-analysis in 87,736 Individuals of European Ancestry Identifies Multiple Blood-Pressure-Related Loci

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Table S1: Clinical Characteristics of the IBC-array genotyped cohorts present in this study

Discovery Cohorts	Age	Female/Male	SBP	DBP	MAP	PP	BMI	Taking anti-hypertensive medication
AIBIII	52.8 ± 9.2	249/209	119.9 ± 13.7	75.4 ± 7.6	90.2 ± 8.8	44.5 ± 10.3	25.7 ± 3.6	0,0%
AMC-PAS	42.9 ± 5.3	180/563	128.6 ± 17.9	79.9 ± 10.7	96.1 ± 12.1	48.8 ± 13.1	26.9 ± 4.1	33,2%
Amish	47.6 ± 15.0	713/691	121.9 ± 16.5	75.3 ± 9.4	90.8 ± 10.8	46.6 ± 12.2	27.3 ± 5.0	16,4%
ARIC	54.2 ± 5.7	5124/4453	118.3 ± 17	71.5 ± 10	87.1 ± 11.3	46.7 ± 12.7	26.9 ± 4.9	25,1%
ASCOT	63 ± 8.1	224/1015	161.4 ± 17.8	92.9 ± 9.9	115.7 ± 10.6	68.5 ± 16.1	29.1 ± 4.6	89,2%
BHS	22.5 ± 4.4	291/228	111.5 ± 10.2	71.8 ± 8.5	85 ± 8.3	39.7 ± 8	24.7 ± 6.1	2,7%
BRIGHT (controls)	58.7 ± 8.9	1088/647	123 ± 10.5	76.4 ± 7.2	91.9 ± 7.5	46.7 ± 8.3	25.3 ± 3.3	0,0%
BRIGHT (cases)	58 ± 10.3	1144/775	154.3 ± 21.1	93.9 ± 11.3	114 ± 13.3	60.4 ± 15.7	58 ± 10.3	92,5%
BWHHS	68.85 ± 5.51	3373/0	146.53 ± 26.59	79.16 ± 12.85	102 ± 15	67.6 ± 19	27.25 ± 5.95	30,2%
CARDIA	40.6 ± 4.1	703/623	102.2 ± 30.5	71.9 ± 11.2	84.5 ± 11.4	37.7 ± 8.8	26.9 ± 6.4	3,7%
CCCS	64.2 ± 9.7	555/1402	136.94 ± 19.04	78.33 ± 10.61	156.48 ± 23.57	58.61 ± 15.69	29.2 ± 4.8/29.8 ± 6.5	88,7%
CFS	40.9 ± 19.9	302/252	121.1 ± 16.6	71.8 ± 11.7	88.2 ± 12.2	49.3 ± 12.4	30.1 ± 8.8	8,8%
CHS	72.6 ± 6.3	2208/1722	135.3 ± 21.5	69.9 ± 11.6	91.7 ± 12.9	65.4 ± 18.6	26.3 ± 4.8	39,7%
CLEAR	67.8 ± 9.6	0/1365	151.4 ± 22.4	82.2 ± 12.3	105.3 ± 13.8	69.2 ± 18.4	28.1 ± 5.0	67,0%
EHLS-BOSS-BDES	58.1 ± 8.8	1965/1552	131.7 ± 20.9	78.8 ± 11.5	96.5 ± 13.6	52.9 ± 14.7	30.2 ± 5.9	32,98%
EPIC_NL	54.06 ± 10.11	4057/1137	133.13 ± 21.22	80.46 ± 10.93	97.98 ± 13.20	52.65 ± 15.68	26.77 ± 4.45	N/A
FHS	40.9 ± 9.1	3775/3134	118.6 ± 14.3	76.4 ± 9.8	90.5 ± 10.6	42.2 ± 9.4	26.1 ± 5	5,5%
GIRaFH	44.5 ± 11.7	882/812	134.9 ± 19.2	82.0 ± 10.5	99.7 ± 12.3	52.9 ± 14.4	25.1 ± 3.5	9,3%
GRAPHIC	39.30 ± 14.50	1004/1020	127.09 ± 17.84	79.12 ± 10.96	95.1 ± 12.5	48 ± 11.9	26.11 ± 4.61	6,7%
GQ2	65.5 ± 10.5	385/93	130.51 ± 22.40	72.71 ± 12.89	149.78 ± 27.66	57.81 ± 18.47	29.7 ± 7.7/29.5 ± 6.3	76,2%
INVEST	69.4 ± 9.5	467/580	160.8 ± 17.4	90.6 ± 10.1	114.0 ± 10.6	70.1 ± 15.9	29.0 ± 4.7/28.4 ± 6.2	82,6%
LURIC	58.1 ± 8.6	558/1480	151.2 ± 24.4	89.8 ± 12.1	110.3 ± 15.0	61.4 ± 17.6	27.7 ± 4.2	85,6%
MDC	57.8 ± 5.9	1074/772	115.6 ± 5.8	73.6 ± 5.3	87.6 ± 4.7	42 ± 6	24.3 ± 3.3	100,0%
MEDAL	62.9 ± 9.0	1178/2820	136.8 ± 16.0	81.7 ± 9.6	94.9 ± 8.6	52.9 ± 11.5	30.5 ± 6.3	1,4%
MESA	62.7 ± 10.3	1199/1097	123.5 ± 20.8	70.1 ± 10.2	87.9 ± 12.3	53.4 ± 16.7	27.8 ± 5.1	33,3%
MONICA/KORA F3	57.6 ± 8.1	755/649	131.8 ± 19.4	83.3 ± 10.3	99.5 ± 12.6	48.5 ± 13.2	27.8 ± 4.5	30,1%
MONICA/KORA S12	51.8 ± 9.9	431/549	133.6 ± 19.1	81.5 ± 11.1	98.8 ± 12.5	52.1 ± 14.6	27.2 ± 4.0	16,6%
NBS	41.36 ± 12.37	1183/1169	N/A	N/A	N/A	N/A	N/A	N/A
NORDIL	56 ± 4	979/940	177.3 ± 14.6	105.9 ± 5.5	129.7 ± 7.1	71.5 ± 13.9	28.3 ± 4.6	0.0% a
NSHS95	49.4 ± 18.4	857/899	126.6 ± 17.7	76.7 ± 11.6	93.3 ± 11.8	49.9 ± 15.8	27.1 ± 5.5	N/A
PEAR	50.1 ± 9.4	194/244	151.8 ± 12.4	98.0 ± 5.7	115.9 ± 6.9	53.7 ± 10.8	[30.3 ± 4.4/30.4 ± 6.1]	0%
PennCAC	56.0 ± 8.0	631/1145	132 ± 23.2	72.4 ± 11.2	52.6 ± 12.6	59.5 ± 19.7	29.8 ± 5.9	N/A
PennCath	52.0 ± 9.0	739/1386	127 ± 15.1	76.7 ± 9.5	62.9 ± 10.5	51.9 ± 12.3	30.1 ± 5.9	32,8%
Procardis	59.34 ± 9.93	1634/1564	130.75 ± 17.11	79.63 ± 10.03	96.7 ± 11.2	51.1 ± 13.4	26.81 ± 4.37	19,3%
SMART	59.36 ± 12.25	206/299	158.64 ± 18.57	94.76 ± 11.80	116.06 ± 12.87	63.88 ± 13.78	27.35 ± 4.62	39,4%
WHI	68.0 ± 6.6	7606/0	133.0 ± 18.8	75.0 ± 9.7	94.3 ± 11.0	58.0 ± 16.2	28.3 ± 6.2	33,3%
WHII	60.83 ± 6.0	1845/3210	128.1 ± 16.7	74.6 ± 10.5	92.4 ± 11.8	53.5 ± 11.2	26.7 ± 4.3	22,8%
Total		49758/40496						

a No medication for two weeks prior to when BP was measured.

Replication Cohorts	Age	Female/Male	SBP	DBP	MAP	PP	BMI	Taking anti-hypertensive medication
GBPG cohorts (Nature Genetics 2009) b								
BLSA	42.4 ± 13.2	311/397	119.5 ± 15.0	77.3 ± 10.2	N/A	N/A	24.5 ± 3.6	5,2%
B58C – T1DGC	44.3 ± 0.3	1315/1265	121.7 ± 15.3	79.4 ± 10.5	N/A	N/A	27.4 ± 4.9	4,7%
B58C – WTCCC	44.9 ± 0.4	736/737	126.7 ± 15.2	79.1 ± 10.2	N/A	N/A	27.4 ± 4.7	4,2%
CoLaus	51.7 ± 9.5	2634/2335	127.3 ± 17.4	79.4 ± 10.8	N/A	N/A	25.8 ± 4.6	16,0%
EPIC- Norfolk - GWAS	57.2 ± 7.8	1134/966	136.7 ± 19.1	83.9 ± 11.9	N/A	N/A	26.3 ± 3.9	16,0%
Fenland	45.0 ± 7.3	785/616	122.8 ± 16.3	75.5 ± 10.7	N/A	N/A	27.1 ± 4.9	5,5%
InCHIANTI	56.9 ± 14.5	309/253	138.4 ± 20.1	81.4 ± 10.1	N/A	N/A	27.1 ± 4.2	23,7%
KORA	52.5 ± 10.1	838/806	133.4 ± 18.5	81.8 ± 10.9	N/A	N/A	27.3 ± 4.1	17,0%
NFBC1966	31	2476/2285	125.2 ± 13.8	77.5 ± 11.7	N/A	N/A	24.6 ± 4.2	2,0%
SardiNIA	40.8 ± 15.3	2279/1719	128.7 ± 28.4	79.7 ± 17.3	N/A	N/A	25.1 ± 4.6	10,0%
SHIP	45.0 ± 13.9	1754/1556	133.1 ± 20.2	83.5 ± 11.3	N/A	N/A	26.9 ± 4.7	16,3%
SUVIMAX	50.5 ± 6.2	1094/729	120.9 ± 12.3	78.0 ± 8.1	N/A	N/A	23.5 ± 3.3	0,0%
TwinsUK	45.8 ± 11.9	873/0	122.9 ± 15.4	78.2 ± 10.3	N/A	N/A	24.8 ± 4.6	22,0%
DGI controls	56.1 ± 8.7	651/626	133.3 ± 18.4	80.1 ± 10.0	N/A	N/A	26.7 ± 3.8	18,0%
FUSION NGT controls	58.2 ± 10.7	509/529	139.4 ± 19.3	81.5 ± 10.3	N/A	N/A	27.1 ± 4.0	21,0%
MIGen controls	48.9 ± 8.3	426/695	127.1 ± 17.8	80.2 ± 11.6	N/A	N/A	27.1 ± 5.2	13,4%
LIFELINES	47.3 ± 11.2	4640/3483	127.9 ± 15.7	75.1 ± 9.1	52.7 ± 11.8	92.7 ± 10.3	26.3 ± 4.3	15,5%
PREVEND	49.6 ± 12.5	1752/1869	129.1 ± 19.9	74.1 ± 9.9	54.9 ± 13.9	92.4 ± 12.5	26.1 ± 4.3	14,2%
WGHS	54.2 ± 7.1	22625/0	125.5 ± 16.4	78.0 ± 10.7	93.8 ± 11.9	47.6 ± 10.4	25.9 ± 5.0	12,9%
Total		47141/20866						

DBP = distolic blood pressure
SBP = systolic blood pressure
MAP = median arterial pressure
PP = pulse pressure
BMI = body mass index
Mean±Standard deviation is given for each phenotype, except % where indicated.
MAP and PP demographics were not available for the GBPG cohorts.

Discovery cohorts : Allied Irish Bank Workers Study III (AIBIII); Academic Medical Center Amsterdam Premature Atherosclerosis Study (AMC-PAS); Atherosclerosis Risk In Communities (ARIC); Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT); Bogalusa Heart Study (BHS); British Genetics of Hypertension (BRIGHT); British Women's Heart and Health Study (BWHHS); Coronary Artery Risk Development in Young Adults (CARDIA); Cleveland Clinic CHARISMA Study (CCCS); Cleveland Family Study (CFS); Cardiovascular Health Study (CHS); Carotid Lesion Epidemiology And Risk (CLEAR); European Prospective Investigation into Cancer and Nutrition in the Netherlands (EPIC-NL); Framingham Heart Study (FHS); Genetic Identification of Risk factors in Familial Hypercholesterolemia (GIRaFH); Genetic Regulation of Arterial Pressure of Humans in the Community (GRAPHIC); Heredity and Phenotype Intervention (HAPI) in the Amish; INternational VErapamil SR Trandolapril Study (INVEST); Ludwigshafen Risk and Cardiovascular Health Study (LURIC); Malmo Diet and Cancer (MDC) Study; Multinational Etoricoxib and Diclofenac Arthritis Long-term (MEDAL) program; Multi-Ethnic Study of Atherosclerosis (MESA); MONICA Cooperative Health Research in the Region of Augsburg Study (KORA (F3 and S12 subst)); Nordic Diltiazem (NORDIL) Study; Pharmacogenomics Evaluation of Antihypertensive Responses (PEAR); University of Pennsylvania Coronary Artery Calcification Study (PennCAC); University of Pennsylvania Catheterization study program (PennCATH); Second Manifestations of ARTerial disease SMART) and Women's Health Initiative (WHI); Whitehall II study (WHII). †Members of the NHLBI Candidate gene Association Resource (CARe).

b The Global BPgen (GBPG) consortium comprises 17 GWAS studies: the Baltimore Longitudinal Study of Aging (BLSA), British 1958 Birth Cohort (B58C-T1DGC and B58C-WTCCC), Cohorte Lausannoise (CoLaus), Diabetes Genetics Initiative (DGI), European Prospective Investigation of Cancer-Norfolk-Genome Wide Association Study (EPIC-Norfolk-GWAS), Fenland Study, Finland-United States Investigation of NIDDM Genetics (FUSION) study, Invecchiare in Chianti (InCHIANTI), Kooperative Gesundheitsforschung in der Region Augsburg (KORA), the Myocardial Infarction Genetics Consortium (MIGen), Northern Finland Birth Cohort of 1966 (NFBC1966), SardiNIA, Study of Health in Pomerania (SHIP), Supplementation en Vitamines et Minéraux Antioxydants (SU.VI.MAX) and TwinsUK. The PROCARDIS data submitted to GBPG was excluded as this study contributed to the discovery analyses.

Table S2. P-values of previously reported significant SNPs (trait in which each SNP was associated marked with X)

Original publication	Locus	Nearest gene	Reported SNP	Proxy	CHR	Position	A1	A2	DBP	MAP	PP	SBP	HTN	A1 frequency	DBP.p-value	DBP proxy.p-value	MAP.p-valu	MAP proxy.p-valu	PP.p-value	PP proxy.p-valu	SBP.p-valu	SBP proxy.p-valu
[1]	CASZ1		rs880315	na	1	10719453	C	T	X			X										
[2]	MTHFR-NPPB		rs4846049	na	1	11772952	T	G	X						3.75E-09		1.04E-08		7.74E-03		2.62E-07	
[3], [4]	MTHFR-NPPB	MTHFR	rs17367504	na	1	11785365	G	A	X [3][4]	X [3][4]		X [3][4]	X [4]	0.151	5.74E-15		5.88E-16		2.32E-03		5.24E-12	
[5]	MTHFR	CLCN6	rs13306560	na	1	11788770	T	C		X				0.055	9.77E-06		7.60E-07		8.64E-03		5.03E-06	
[6]	NPPA/NPPB	NPPA	rs5068	na	1	11828561	G	A	X			X		0.051	4.81E-12		1.46E-13		2.49E-04		1.09E-11	
[7]	ST7L-CAPZA1	CAPZA1	rs17030613	rs3737136	1	112992330	C	A	X					0.209		9.57E-04		2.70E-03		0.81		0.03
[4]	MOV10	MOV10	rs2932538	na	1	113018066	A	G	X					0.302								
[8]	MDM4		rs2169137	na	1	202764536	G	C	X					0.268	5.36E-07		4.68E-05		0.50		3.04E-03	
[2], [9]	AGT	AGT	rs2004776	na	1	228915325	T	C				X [9]	X [2]	0.237	4.15E-10		9.53E-11		1.19E-03		7.37E-09	
[9]	AGT	CAPN9	rs11122587	rs2004776	1	228933723	G	C	X					0.237		4.15E-10		9.53E-11		1.19E-03		7.37E-09
[7]	FIGN-GRB14		rs16849225	na	2	164615066	C	T				X										
[10]	FIGN		rs13002573	na	2	164623454	G				X											
[10]	FIGN		rs1446468	na	2	164671732	T			X												
[11]	STK39	STK39	rs6749447	na	2	168749632	G	T					X	0.268	0.63		0.33		0.42		0.28	
[8]	HRH1		rs347591	na	3	11265122	G	T				X		0.343	7.01E-04		2.87E-06		1.38E-05		6.49E-08	
[4]	SLC4A7		rs13082711	na	3	27512913	T	C	X	X												
[4]	ULK4	ULK4	rs3774372	na	3	41852418	C	T	X					0.167	0.02		0.44		4.17E-03		0.27	
[12]	ULK4	ULK4	rs9815354	na	3	41887655	A	G	X					0.166	0.02		0.42		4.94E-03		0.30	
[10]	MAP4		rs319690	na	3	47902488	T			X												
[4]	MECOM		rs419076	na	3	170583580	T	C	X	X		X										
[10]	CHIC2		rs871606	na	4	54494002	T				X											
[4]	FGF5		rs1458038	na	4	81383747	T	C	X	X		X										
[3]	FGF5	FGF5	rs16998073	na	4	81403365	T	A	X	X		X		0.293	0.03		0.02		0.31		0.03	
[4]	SLC39A8		rs13107325	na	4	103407732	T	C	X			X										
[7]	ENPEP		rs6825911	na	4	111601087	C	T	X													
[4]	GUCY1A3-GUCY1B3		rs13139571	na	4	156,864,963	C	A	X													
[13]	SUB1-NPR3		rs7726475	na	5	32611671	A	G	X			X										
[2]	NPR3		rs1421811	na	5	32750027	G	C				X			4.50E-06		7.44E-08		6.91E-05		1.22E-07	
[7]	NPR3	C5orf23	rs1173766	rs1173743	5	32840285	T	C	X					0.448		2.14E-03		1.53E-04		7.87E-03		1.24E-04
[4]	NPR3-C5orf23	C5orf23	rs1173771	rs1173743	5	32850785	A	G	X		X	X	X	0.443		2.14E-03		1.53E-04		7.87E-03		1.24E-04
[4]	EBF1		rs11953630	na	5	157777980	T	C	X	X		X										
[2], [4]	HFE	HFE	rs1799945	na	6	26199158	G	C	X [2][4]			X [4]	X [4]	0.145	2.55E-11		5.80E-09		0.59		7.04E-05	
[4]	BAT2-BAT5	BAT3	rs805303	rs805301	6	31724345	A	G	X			X	X	0.366		1.95E-05		1.42E-04		0.46		3.44E-03
[4]	BAT2-BAT5	BAT3	rs805303	rs7029	6	31724345	A	G						0.366		0.13		0.01		3.47E-03		2.28E-03
[10]	PIK3CG		rs17477177	na	7	106199094	T				X											
[2]	NOS3		rs3918226	na	7	150321109	T	C	X													
[14]	BLK-GATA4		rs2898290	rs6999466	8	11471318	C	T				X		0.42		1.63E-04		1.14E-05		2.66E-03		1.38E-05
[14]	BLK-GATA4		rs2898290	rs11249996	8	11471318	C	T				X		0.42		1.10E-04		2.66E-05		0.03		1.17E-04
[10]	NOV		rs2071518	na	8	120504993	T				X											
[4]	CACNB2(5')		rs4373814	na	10	18459978	G	C	X			X										
[4]	CACNB2(3')		rs1813353	na	10	18747454	T	C	X	X		X	X									
[12]	CACNB2	CACNB2	rs11014166	na	10	18748804	T	A	X	X				0.52	0.78		0.48		0.31		0.38	
[4]	C10orf107		rs4590817	na	10	63137559	G	C	X	X		X	X									
[3]	C10orf107	C10orf107	rs1530440	na	10	63194597	T	C	X	X				0.187	0.91		0.44		0.14		0.19	
[4]	PLCE1		rs932764	na	10	95885930	G	A				X	X									
[12]	CYP17A1	CYP17A1	rs1004467	rs3824755	10	104584497	G	A		X	X	X		0.099		2.48E-04		1.82E-07		3.39E-09		4.58E-10
[3], [4]	CYP17A1-NT5C2	NT5C2	rs11191548	na	10	104836168	C	T	X [4]	X [4]	X [4]	X [3][4]		0.083	0.10		0.01		8.53E-03		3.80E-03	
[10]	ADRB1	ADRB1	rs2782980	na	10	115771517	T	C		X				0.204								
[9]	ADRB1	ADRB1	rs1801253	na	10	115795046	G	C	X			X		0.278	3.62E-06		4.03E-08		4.18E-03		7.06E-07	
[2]	LSP1/TNNT3		rs661348	na	11	1861868	T	C		X					2.14E-07		1.29E-10		4.27E-09		1.48E-12	
[4]	ADM		rs7129220	na	11	10397114	G	A				X										
[2]	SOX6		rs2014408	na	11	16321858	T	C		X					9.11E-08		5.91E-10		5.97E-05		3.82E-10	
[4], [12]	PLEKHA7		rs381815	na	11	16858844	T	C	X [4]	X [4]		X [4][12]										
[2]	NUCB2/KCNJ11/ABCC8		rs2074311	na	11	17378436	G	A			X				0.37		0.01		8.86E-08		3.57E-05	
[4]	FLJ32810-TMEM133		rs633185	na	11	100098748	G	C	X	X		X	X									
[10]	ADAMTS8		rs11220084	na	11	129778440	T				X											
[15]	WNK1	WNK1	rs765250	rs7980163	12	778544	C	T	X			X		0.318		0.92		0.26		1.57E-03		0.02
[15]	WNK1	WNK1	rs765250	rs10849559	12	778544	C	T						0.318		0.20		0.30		0.82		0.55
[2]	CACNA1C		rs3819526	na	12	2306783	T	C	X						0.13		0.10		0.01		7.95E-03	
[12]	ATP2B1	ATP2B1	rs2681472	rs11105354	12	88533090	G	A		X	X	X		0.172	2.02E-05	1.15E-09	5.87E-08	8.31E-14	1.67E-05	2.65E-08	3.99E-09	2.67E-14
[12]	ATP2B1	ATP2B1	rs2681492	rs11105354	12	88537220	C	T	X	X	X		X	0.178	2.66E-05	1.15E-09	8.72E-08	8.31E-14	1.87E-05	2.65E-08	5.68E-09	2.67E-14
[2]	ATP2B1		rs11105354	na	12	88550654	G	A					X		1.15E-09		8.31E-14		2.65E-08		2.67E-14	
[4], [16]	ATP2B1	ATP2B1	rs17249754	rs11105354	12	88584717	A	G	X [4]	X [4]	X [4]	X [4][16]	X [4]	0.171	1.97E-05	1.15E-09	7.30E-08	8.31E-14	2.30E-05	2.65E-08	6.10E-09	2.67E-14
[4], [12]	SH2B3	SH2B3	rs3184504	na	12	110368991	T	C	X [4][12]	X [4][12]		X [4][12]		0.494	5.39E-11		6.82E-11		0.03		2.11E-08	
[3]	SH2B3	ATXN2	rs653178	rs3184504	12	110492139	C	T	X	X				0.499	2.13E-10	5.39E-11	5.55E-10	6.82E-11	0.06	0.03	1.22E-07	2.11E-08
[7]	RPL6-ALDH2		rs11066280	na	12	111302166	T	A	X			X										
[12]	TBX3-TBX5		rs2384550	na	12	113837114	A	G	X													
[4]	TBX5-TBX3		rs10850411	na	12	113872179	T	C	X													
[7]	TBX3		rs35444	na	12	114036820	A	G	X													
[3], [4]	CYP1A1-CSK	CSK	rs1378942	rs2472304	15	72864420	C	A	X [3][4]	X [3][4]		X [3][4]	X [4]	0.326	6.67E-09	2.20E-10	1.74E-09	1.49E-10	0.03	4.15E-03	8.34E-08	8.06E-09
[12]	CSK-ULK3	CPLX3	rs6495122	na	15	72912698	A	C	X	X				0.411	2.32E-07		9.97E-08		0.06		2.15E-06	
[17]	AKAP13	AKAP13	rs11638762	rs745191	15	83961445	T	A						0.437		0.09		0.02		0.07		0.01
[19]	FURIN	FURIN	rs2071410	na	15	89221944	G	C					X	0.373	4.58E-10		4.90E-10		0.14		2.38E-06	
[4]	FURIN-FES	FES	rs2521501	rs2071410	15	89238392	T	A	X	X		X		0.302		4.58E-10		4.90E-10		0.14		2.38E-06
[4]	FURIN-FES	FES	rs2521501	rs6227	15	89238392	T	A						0.302		1.52E-08		7.59E-10		0.03		5.58E-08
[18]	UMOD	UMOD	rs13333226	na	16	20273155	G	A					X	0.185	6.14E-03		3.81E-03		0.03		5.16E-03	
[18]	UMOD	UMOD	rs13333226	rs11647727	16	20273155	G	A						0.185		3.78E-03		1.33E-03		4.38E-03		8.09E-04
[20]	CDH13	CDH13	rs11646213	na	16	81200152	A	T	X				X	0.611	0.59		0.73		0.85		0.85	
[3]	PLCD3	PLCD3	rs12946454	rs12603813	17	40563647	T	A				X		0.26	0.04	0.04	0.03	0.03	0.19	0.24	0.04	0.05
[4]	GOSR2		rs17608766	na	17	42368270	T	C			X	X										
[4]	ZNF652		rs12940887	na	17	44757806	T	C	X			X										
[3]	ZNF652	ZNF652	rs16948048	na	17	44795465	G	A	X					0.379	0.32		0.70		0.44		0.87	
[4]	JAG1		rs1327235	na	20	10917030	G	A	X	X		X										
[4]	GNAS-EDN3		rs6015450	na	20	57184512	G	A	X	X		X	X									

Signals reported by one or more (shown in front of the traits, if significant) of the following papers:

[1] Takeuchi2010
[2] Johnson2011b
[3] NewtonCheh2009b
[4] Ehret2011
[5] Tomazewski2011
[6] NewtonCheh2009a
[7] Kato2011
[8] Ganesh2012
[9] Johnson2011a
[10] Wain2011
[11] Wanq2008
[12] Levy2009
[13] Zhu2011
[14] Ho2011
[15] Newhouse2009
[16] Cho2009
[17] Honq2011
[18] Padmanabhan2010
[19] Li2010
[20] Orq2009

DBP = distolic blood pressure
SBP = systolic blood pressure
MAP = median arterial pressure
PP = pulse pressure
HTN = hypertension
CHR = chromosome

Table S3. Signals below 1E-04 in the discovery meta-anlysis

							DBP			MAP			PP			SBP		
Nearest_gene	SNP	CHR	Position	A1	A2	A1Freq	Beta	SE	P-val	Beta	SE	P-val	Beta	SE	P-val	Beta	SE	P-val
MTHFR	rs1537514	1	11770655	C	G	0.101	-0.4945	0.0841	4.1096E-09	-0.538	0.0953	1.635E-08				-0.5987	0.1357	0.000010293
MTHFR	rs4846049	1	11772952	T	G	0.326	-0.3185	0.054	3.7536E-09	-0.3507	0.0613	1.0352E-08				-0.4499	0.0874	2.6219E-07
MTHFR	rs3818762	1	11773590	C	G	0.279	-0.2597	0.0562	3.8339E-06	-0.2711	0.0637	0.000021016						
MTHFR	rs13306556	1	11774697	T	C	0.101	-0.5002	0.0841	2.6641E-09	-0.5496	0.0953	7.9487E-09				-0.6176	0.1357	5.3471E-06
MTHFR	rs1476413	1	11774887	T	C	0.27	-0.2403	0.0569	0.000023844									
MTHFR	rs17375901	1	11775103	T	C	0.057	-1.0485	0.1876	2.2801E-08	-1.1798	0.2101	1.9544E-08				-1.4459	0.2968	1.1102E-06
MTHFR	rs1801131	1	11777063	G	T	0.315	-0.3068	0.0553	2.9626E-08	-0.3413	0.0628	5.484E-08				-0.453	0.0896	4.2221E-07
MTHFR	rs12121543	1	11777258	A	C	0.246	-0.2891	0.0585	7.7535E-07	-0.3166	0.0663	1.8201E-06				-0.3988	0.0946	0.00002505
MTHFR	rs1994798	1	11777342	G	A	0.413	-0.2264	0.0516	0.000011258									
MTHFR	rs4846052	1	11780538	T	C	0.41	-0.2499	0.0522	1.6492E-06	-0.2521	0.059	0.00001962						
MTHFR	rs13306553	1	11782704	G	A	0.101	-0.4831	0.0985	9.248E-07	-0.5295	0.1123	2.3938E-06				-0.6359	0.1611	0.000078759
MTHFR	rs13306567	1	11783052	G	C	0.057	-0.6947	0.1643	0.000023645	-0.77	0.1844	0.000029698						
MTHFR	rs17037390	1	11783430	A	G	0.157	-0.5343	0.07	2.2365E-14	-0.6202	0.0793	5.409E-15				-0.7391	0.113	6.1827E-11
MTHFR	rs17037396	1	11784634	T	C	0.101	-0.478	0.0852	2.0303E-08	-0.5181	0.0964	7.6372E-08				-0.5581	0.1372	0.000047198
MTHFR	rs17367504	1	11785365	G	A	0.154	-0.5499	0.0704	5.7447E-15	-0.6461	0.0799	5.8792E-16				-0.7849	0.1138	5.2374E-12
MTHFR	rs2066470	1	11785644	A	G	0.099	-0.5258	0.0849	5.8741E-10	-0.589	0.0962	9.2088E-10				-0.6791	0.1371	7.2437E-07
MTHFR	rs7553194	1	11786736	A	G	0.099	-0.5416	0.1281	0.000023658	-0.6155	0.1439	0.000018829						
MTHFR	rs3753582	1	11788129	C	A	0.099	-0.6606	0.1465	6.4852E-06	-0.7068	0.1642	0.000016726						
MTHFR	rs13306561	1	11788391	G	A	0.156	-0.5568	0.0701	1.9729E-15	-0.6536	0.0795	2.0282E-16				-0.7931	0.1133	2.5619E-12
CLCN6	rs13306560	1	11788770	T	C	0.055	-0.4979	0.1126	9.7704E-06	-0.6321	0.1278	7.6006E-07				-0.8299	0.1818	0.000005026
CLCN6	rs17037425	1	11792970	A	G	0.14	-0.5662	0.0734	1.2169E-14	-0.6551	0.0832	3.555E-15				-0.7849	0.1186	3.6875E-11
NPPA	rs198358	1	11826663	C	T	0.24	-0.3125	0.0597	1.6309E-07	-0.3304	0.0677	1.0752E-06						
NPPA	rs5068	1	11828561	G	A	0.052	-0.7793	0.1128	4.8135E-12	-0.9429	0.1276	1.455E-13				-1.236	0.1819	1.0936E-11
NPPB	rs198375	1	11836344	C	T	0.396	-0.2762	0.0518	9.5852E-08	-0.2877	0.0587	9.6047E-07				-0.3822	0.0838	5.0764E-06
NPPB	rs198388	1	11839927	T	C	0.432	-0.2701	0.051	1.2062E-07	-0.2821	0.0579	1.1068E-06				-0.3612	0.0826	0.000012271
NPPB	rs6668659	1	11844885	G	T	0.346	-0.3308	0.0532	5.0763E-10	-0.3669	0.0603	1.1908E-09				-0.5047	0.0861	4.5533E-09
NPPB	rs1318408	1	11848368	G	A	0.115	-0.3482	0.0795	0.000011977	-0.3875	0.0902	0.000017387						
NPPB	rs12562952	1	11849643	C	T	0.107	-0.3719	0.0823	6.1508E-06	-0.4177	0.0932	7.4797E-06						
ADORA3	rs1591711	1	111907865	C	T	0.418							0.2298	0.059	0.000099078			
WNT2B	rs351364	1	112846584	A	T	0.253	-0.2516	0.0584	0.000016736	-0.2828	0.0663	0.000020245				-0.3772	0.0947	0.000068008
C1orf189	rs4072431	1	152433740	A	G	0.453	0.1991	0.0509	0.000091309									
PIK3C2B	rs10494852	1	202724409	C	T	0.306	-0.2437	0.0563	0.000015068									
MDM4	rs2169137	1	202764536	G	C	0.268	-0.3089	0.0616	5.358E-07	-0.2841	0.0698	0.000046801						
MDM4	rs4252717	1	202778723	T	C	0.31	-0.2608	0.0549	1.9999E-06									
AGT	rs943580	1	228903667	G	A	0.41	0.2677	0.0524	3.2921E-07	0.3196	0.0594	7.5448E-08				0.4165	0.0844	7.8951E-07
AGT	rs2478523	1	228908132	G	A	0.329	0.2199	0.0547	0.000057974	0.2632	0.062	0.000021667				0.3445	0.088	0.000090553
AGT	rs3789670	1	228910337	T	C	0.109	0.403	0.0807	5.9464E-07	0.4989	0.0916	5.21E-08				0.6251	0.1307	1.7405E-06
AGT	rs2478543	1	228910933	C	T	0.416	0.263	0.0523	4.9667E-07	0.3032	0.0593	3.1547E-07				0.3781	0.0842	0.000007048
AGT	rs6687360	1	228911615	T	C	0.365	0.2934	0.0525	2.3117E-08	0.3373	0.0596	1.4995E-08				0.4185	0.0849	8.3497E-07
AGT	rs699	1	228912417	G	A	0.414	0.2757	0.0523	1.3694E-07	0.3123	0.0593	1.3938E-07				0.3845	0.0842	4.9398E-06
AGT	rs2004776	1	228915325	T	C	0.239	0.3694	0.0591	4.1494E-10	0.4343	0.0671	9.5316E-11				0.5527	0.0956	7.3894E-09
AGT	rs2493134	1	228915982	C	T	0.414	0.2621	0.0518	4.2867E-07	0.3046	0.0588	2.2561E-07				0.3852	0.0837	4.2444E-06
AGT	rs2148582	1	228916422	G	A	0.414	0.2524	0.0519	1.1521E-06	0.2961	0.0589	4.9598E-07				0.3758	0.0839	7.3934E-06
AGT	rs5051	1	228916495	T	C	0.413	0.2556	0.0619	0.000036081	0.2936	0.0708	0.000033621						
AGT	rs5049	1	228916706	T	C	0.11	0.4082	0.0945	0.000015534	0.4889	0.1083	6.3548E-06						
AGT	rs5046	1	228917021	A	G	0.11	0.3892	0.0802	1.2353E-06	0.4805	0.091	1.2753E-07				0.6153	0.1298	2.1344E-06
AGT	rs2071405	1	228917281	T	C	0.111	0.3977	0.08	6.7251E-07	0.4911	0.0909	6.4659E-08				0.6289	0.1296	1.2093E-06
AGT	rs2071404	1	228917563	A	C	0.111	0.3986	0.08	6.3763E-07	0.4917	0.0908	6.1853E-08				0.6282	0.1295	1.2315E-06
ZEB2	rs2044369	2	145641538	G	A	0.241							0.2818	0.0683	0.000037239			
PDE1A	rs2623431	2	182922232	C	T	0.306	0.2387	0.0551	0.000014868									
PDE1A	rs11682598	2	182927925	C	G	0.304	0.2496	0.0553	6.2586E-06									
PDE1A	rs16823124	2	182932372	A	G	0.304	0.2677	0.056	1.7583E-06									
PDE1A	rs1430158	2	182970373	C	T	0.326	0.2309	0.0541	0.000020102									
PDE1A	rs12468743	2	183015306	G	A	0.416	0.2221	0.0513	0.000015188									
IRS1	rs2673148	2	226883227	C	A	0.486										0.3534	0.0892	0.000075044
HRH1	rs347591	3	11265122	G	T	0.343				-0.2824	0.0603	2.8708E-06	-0.2654	0.061	0.000013761	-0.4645	0.0859	6.4878E-08
HRH1	rs346070	3	11278874	T	C	0.173										-0.426	0.1077	0.000076199
CTNNB1	rs4135385	3	41254444	G	A	0.234	-0.2466	0.0598	0.00003671									
PTH1R	rs6442037	3	46904550	G	A	0.341				-0.2388	0.0607	0.000083687				-0.3467	0.0866	0.000062587
CCDC14	rs13096686	3	125072942	A	C	0.12							-0.4628	0.1183	0.00009138			
RSRC1	rs6441205	3	159684514	G	A	0.02							0.7929	0.2037	0.000099348			
ADRA2C	rs9291156	4	3724616	G	A	0.454				-0.2272	0.0578	0.000084916						
ADRA2C	rs6822427	4	3749870	T	C	0.477	0.1985	0.0509	0.000096267	0.2259	0.0577	0.000091233						
NFKB1	rs4648000	4	103677641	G	A	0.001							38.0745	9.6974	0.000086283			
EDNRA	rs6842241	4	148620269	A	C	0.145							0.3688	0.0837	0.000010469	0.469	0.1173	0.000064142
EDNRA	rs6841473	4	148627102	T	C	0.143							0.3597	0.0839	0.00018321			
NPR3	rs3762988	5	32745410	T	C	0.385	-0.2357	0.052	5.8736E-06	-0.3104	0.059	1.4646E-07				-0.4337	0.0843	2.6427E-07
NPR3	rs1421811	5	32750027	G	C	0.395	-0.2377	0.0518	0.000004503	-0.3164	0.0588	7.4354E-08	-0.2373	0.0596	0.00006908	-0.4439	0.0839	1.2195E-07
NPR3	rs1847018	5	32750418	T	C	0.121	-0.3273	0.0775	0.000024102	-0.3692	0.088	0.000027079						
GPR98	rs7707023	5	90446180	T	C	0.361										0.3409	0.0854	0.000066021
ERAP1	rs26653	5	96165006	C	G	0.285				-0.2847	0.0638	8.2338E-06				-0.3821	0.0912	0.000027734
SLC22A5	rs17622208	5	131744949	A	G	0.473	-0.2	0.0508	0.000082346									
PDGFRB	rs2229562	5	149475446	C	T	0.436										-0.3331	0.0826	0.000055279
CDKAL1	rs6905281	6	20679114	G	A	0.071	-0.3862	0.0981	0.000083099	-0.4457	0.1111	0.000060023						
TRIM38	rs12216125	6	26105437	T	C	0.326				0.4179	0.1049	0.000067478						
HFE	rs2794719	6	26196869	G	T	0.407	0.2211	0.0517	0.000018814									
HFE	rs1799945	6	26199158	G	C	0.146	0.4797	0.0719	2.5497E-11	0.4749	0.0816	5.8013E-09				0.4616	0.1161	0.00007035
HFE	rs1800562	6	26201120	A	G	0.061	0.4199	0.1062	0.0000766567									
HLA-B	rs2596549	6	31439145	A	G	0.164							-0.338	0.0818	0.000035673			
BAT1	rs2734583	6	31613459	G	A	0.12	-0.4078	0.0842	1.2904E-06									
NFKBIL1	rs2857605	6	31632830	C	T	0.201							-0.3146	0.075	0.000027441			
BAT2	rs3130623	6	31705679	T	C	0.19	-0.3023	0.0738	0.000041909									
BAT3	rs805301	6	31726100	C	A	0.37	-0.2297	0.0538	0.000019482									
BAT3	rs3117582	6	31728499	G	T	0.11	-0.4033	0.0891	5.9558E-06									
DDAH2	rs805304	6	31806067	G	T	0.357	-0.214	0.055	0.000099672									
CLIC1	rs3101018	6	31813843	T	C	0.11	-0.4113	0.0893	4.1265E-06									
STK19	rs389884	6	32048876	G	A	0.109	-0.3783	0.0895	0.000023776									
ATF6B	rs1150752	6	32172704	C	T	0.111	-0.3864	0.0922	0.000027775									
ATF6B	rs2269426	6	32184477	A	G	0.394										0.5976	0.1339	8.0308E-06
ATF6B	rs3130342	6	32188124	A	C	0.134							-0.3768	0.0927	0.000048187			
ATF6B	rs1269852	6	32188169	C	G	0.111	-0.3838	0.0899	0.000019732									
RNF5P1	rs3134943	6	32255739	T	C	0.135							-0.3746	0.0894	0.000027761			
AGER	rs1800684	6	32259972	A	T	0.128							-0.4017	0.0914	0.000011088			
HLA-DRA	rs3129868	6	32512355	A	C	0.139							-0.4057	0.0879	3.8789E-06			
HLA-DRB1	rs9270986	6	32682038	A	C	0.153							-0.3413	0.0841	0.000049348			
HLA-DQB1	rs2854275	6	32736406	A	C	0.127	-0.5624	0.1014	2.9666E-08	-0.4677	0.1168	0.000062073						
HLA-DQB1	rs3891175	6	32742445	T	C	0.219	-0.2889	0.0659	0.000011666									
ESR1	rs726282	6	152344347	A	C	0.099	-0.3315	0.0851	0.000097749									
ESR1	rs7754762	6	152353230	A	T	0.112	-0.3228	0.0814	0.000073005									
ESR1	rs13192976	6	152354108	T	A	0.112	-0.3187	0.0806	0.000076233									
ESR1	rs2207232	6	152381981	C	T	0.111	-0.3241	0.0811	0.000064583									
ESR1	rs9341004	6	152411941	G	C	0.086	-0.3913	0.0905	0.000015502									
ESR1	rs6901451	6	152412629	A	G	0.115	-0.356	0.0813	0.000012008									
ESR1	rs2273206	6	152424004	T	G	0.115	-0.3543	0.0814	0.000013484									
ESR1	rs974277	6	152424514	T	C	0.115	-0.3534	0.0814	0.000014136									
ESR1	rs3798568	6	152425076	A	G	0.086	-0.4002	0.0905	9.6937E-06									
ESR1	rs3798570	6	152426474	G	A	0.115	-0.3642	0.0825	0.000010219									
ESR1	rs9479188	6	152430137	A	G	0.116	-0.3603	0.081	8.6075E-06									
ESR1	rs3798573	6	152431055	G	A	0.116	-0.3564	0.081	0.000010869									
ESR1	rs9479192	6	152434866	T	C	0.116	-0.3425	0.0806	0.000021222									
ESR1	rs3778090	6	152449721	T	C	0.086	-0.3959	0.0904	0.000011969									
ESR1	rs9322356	6	152450352	A	G	0.086	-0.3985	0.0904	0.000010401									
ESR1	rs9322359	6	152451715	T	A	0.085	-0.3688	0.0939	0.000086044									
TAX1BP1	rs3823946	7	27789542	G	A	0.353	-0.2229	0.057	0.000091783									
C7orf10	rs17171686	7	40335451	G	A	0.117							-0.391	0.0959	0.000045714			
C7orf10	rs12532479	7	40394159	C	T	0.106							-0.3863	0.094	0.00003962			
C7orf10	rs4526265	7	40439171	C	G	0.105							-0.3911	0.0941	0.000032399			
IGFBP3	rs1496499	7	45945548	G	T	0.463							-0.2637	0.0635	0.00003312			
CDK6	rs4272	7	92074765	G	A	0.215							-0.3338	0.0707	0.000002315			
CDK6	rs42031	7	92075332	A	T	0.212							-0.3435	0.0861	0.000065836			
CDK6	rs42041	7	92084680	G	C	0.254							-0.3245	0.0666	1.1227E-06			
CDK6	rs11771637	7	92098097	A	G	0.28							-0.3277	0.0648	4.2494E-07			
CDK6	rs2282978	7	92102346	C	T	0.343							-0.3375	0.0614	3.8224E-08			
CDK6	rs2282983	7	92117299	C	T	0.365							-0.3041	0.0606	5.1324E-07			
CDK6	rs11765954	7	92118631	C	T	0.283							-0.3379	0.0646	1.7212E-07			
CDK6	rs11773884	7	92123059	G	A	0.306							-0.2979	0.0691	0.000016322			
CDK6	rs2079147	7	92170311	G	A	0.52							0.2355	0.0585	0.000057431			
PRKAG2	rs10480300	7	151036938	T	C	0.275				0.2703	0.0645	0.000027635				0.3958	0.092	0.000016957
PRKAG2	rs7805747	7	151038734	A	G	0.273				0.2829	0.065	0.000013599				0.4124	0.0928	8.8144E-06
PRKAG2	rs10224210	7	151044127	C	T	0.282				0.2802	0.0639	0.000011647				0.4276	0.0912	2.7453E-06
PRKAG2	rs10224002	7	151045974	G	A	0.288				0.3066	0.0692	9.3941E-06				0.4837	0.101	1.6741E-06
MSRA	rs6601414	8	10014158	A	G	0.457	0.2245	0.0562	0.000064456									
MSRA	rs11249996	8	10282873	C	A	0.371				0.28	0.0667	0.000026568						
MSRA	rs6999466	8	10303122	G	A	0.375				0.2857	0.0651	0.000011429				0.4027	0.0926	0.000013762
MSRA	rs1986972	8	10306215	A	G	0.359				0.284	0.0657	0.000015222				0.3882	0.0934	0.000032185
LPL	rs10503668	8	19844621	A	G	0.001							76.35	13.11	5.7525E-09	89.22	19.5	4.7535E-06
MMP16	rs9297422	8	89189678	C	T	0.238							-0.2706	0.0686	0.000079353			
MMP16	rs1903836	8	89193723	G	A	0.235							-0.2691	0.069	0.00009656			
TRIB1	rs6982636	8	126548497	A	G	0.47				-0.2253	0.0579	0.000098442	-0.2314	0.0587	0.000080232	-0.3504	0.0826	0.000022032
TRIB1	rs17321515	8	126555591	G	A	0.474				-0.2308	0.0578	0.000066103	-0.2321	0.0586	0.000075484	-0.3562	0.0825	0.000015854
TRIB1	rs2980869	8	126557432	T	C	0.473										-0.3471	0.0889	0.000095154
CACNB2	rs10764540	10	18829504	G	A	0.274							-0.8456	0.2047	0.000036268			
VCL	rs1403629	10	75443368	C	G	0.3	0.2302	0.0554	0.000032443	0.2674	0.0628	0.000020816						
VCL	rs10458640	10	75450844	C	T	0.361	0.2098	0.0527	0.000067883	0.2382	0.0597	0.000066736						
VCL	rs10762575	10	75481249	G	C	0.357				0.2421	0.0602	0.000056976						

Legend
>1E-06
>2.4E-06
>6E-07
>5E-08
<5E-08

VCL	rs4746172	10	75525848	C	T	0.254	0.2479	0.0583	0.000021352	0.2954	0.0661	7.9079E-06				0.3905	0.0942	0.000033932
VCL	rs3793921	10	75538120	C	T	0.261	0.2316	0.0577	0.000059716	0.2807	0.0654	0.000017686				0.3723	0.0932	0.000065008
VCL	rs10824071	10	75543645	C	T	0.417										0.3321	0.0844	0.00008396
NRG3	rs11194902	10	84281365	G	A	0							15.5401	3.8903	0.000064809			
CYP17A1	rs3824755	10	104585839	C	G	0.095				-0.5122	0.0982	1.8221E-07	-0.5858	0.0991	3.3938E-09	-0.8709	0.1397	4.5784E-10
SORCS1	rs9630080	10	108669078	T	C	0.04				0.5872	0.147	0.000064464						
ADRB1	rs7076938	10	115779365	C	T	0.279	-0.2614	0.0565	0.000003765	-0.3575	0.0641	2.4161E-08				-0.4673	0.0915	3.2195E-07
ADRB1	rs2429511	10	115791243	C	T	0.476	0.2267	0.0506	7.6279E-06	0.275	0.0574	1.6992E-06				0.346	0.082	0.000024187
ADRB1	rs1801253	10	115795046	G	C	0.275	-0.2625	0.0567	3.6229E-06	-0.3526	0.0642	4.0265E-08				-0.4549	0.0917	7.057E-07
ADRB1	rs3813720	10	115797006	C	T	0.372				-0.2317	0.0595	0.000097551				-0.358	0.0848	0.000024432
ADRB1	rs10787516	10	115803914	T	C	0.498	0.2186	0.0506	0.00001539	0.2719	0.0573	2.1046E-06				0.3487	0.0817	0.000019901
ADRB1	rs10885531	10	115804382	T	C	0.499	0.2219	0.0506	0.000011471	0.276	0.0574	1.4856E-06				0.3535	0.0818	0.000015386
LSP1	rs4980379	11	1845190	T	C	0.376				0.2975	0.0634	0.000002689	0.2788	0.0651	0.000018471	0.4586	0.0907	4.2636E-07
LSP1	rs592373	11	1847566	G	A	0.361	-0.2604	0.0529	8.3762E-07	-0.3137	0.0599	1.663E-07				-0.4227	0.0854	7.5326E-07
LSP1	rs661348	11	1861868	C	T	0.436	0.265	0.0511	2.1442E-07	0.3728	0.058	1.2858E-10	0.3445	0.0587	4.2721E-09	0.5848	0.0827	1.4837E-12
TNNT3	rs909116	11	1898522	C	T	0.48							0.23	0.0581	0.000074646	0.3439	0.0817	0.000025842
MRPL23	rs7395920	11	1920888	T	C	0.406										0.3419	0.0836	0.000042656
H19	rs217727	11	1973484	A	G	0.191	0.2575	0.0643	0.000062126	0.3145	0.0729	0.000016271				0.465	0.1041	7.8806E-06
H19	rs4930098	11	1977531	G	C	0.493				0.2256	0.0574	0.000085201				0.3292	0.0819	0.000058104
SOX6	rs16932862	11	16255020	T	C	0.202	0.3406	0.0627	5.6784E-08	0.4357	0.0712	9.4121E-10				0.6047	0.1016	2.6975E-09
SOX6	rs297367	11	16285585	T	C	0.372				-0.2421	0.0596	0.000048806				-0.3716	0.085	0.000012311
SOX6	rs297346	11	16312347	A	G	0.366				-0.2401	0.0598	0.000058952				-0.3836	0.0852	0.000006745
SOX6	rs2014408	11	16321858	T	C	0.21	0.3306	0.0619	9.1146E-08	0.4347	0.0702	5.9081E-10	0.2859	0.0712	0.000059707	0.6274	0.1002	3.8211E-10
PIK3C2A	rs7946010	11	17132633	A	G	0.474							-0.2803	0.0593	2.2956E-06	-0.3576	0.0835	0.000018362
NUCB2	rs214070	11	17261893	A	T	0.288							0.3129	0.068	4.1886E-06	0.4296	0.0948	5.7994E-06
NUCB2	rs757081	11	17308259	G	C	0.338				0.2541	0.0611	0.000032272	0.311	0.0616	4.5069E-07	0.4503	0.087	2.2638E-07
KCNJ11	rs5215	11	17365206	C	T	0.369							0.3015	0.06	4.9773E-07	0.4075	0.0844	1.3967E-06
KCNJ11	rs886288	11	17367739	G	A	0.378							-0.2544	0.0602	0.000023972			
ABCC8	rs7124355	11	17369536	A	G	0.33							0.2912	0.0616	2.3045E-06	0.3806	0.0868	0.000011563
ABCC8	rs757110	11	17375053	C	A	0.371							0.2964	0.0599	7.6035E-07	0.3808	0.0844	6.4373E-06
ABCC8	rs2074311	11	17378436	A	G	0.434							0.3131	0.0585	8.8593E-08	0.3406	0.0824	0.000039685
CDC42BPG	rs2957154	11	64341563	C	T	0.251							0.3033	0.0676	7.2362E-06	0.444	0.0951	0.000003048
SIPA1	rs3741378	11	65165513	T	C	0.131				-0.3546	0.0851	0.000030762				-0.5797	0.1211	1.7015E-06
RELA	rs11227247	11	65179429	C	A	0.127				-0.3449	0.0864	0.00006607	-0.3528	0.0874	0.000054629	-0.585	0.1231	1.9992E-06
RELA	rs2306365	11	65183922	A	G	0.126				-0.3467	0.0867	0.000063973	-0.3546	0.0877	0.000052617	-0.5848	0.1234	2.1573E-06
RELA	rs7101916	11	65187936	T	C	0.126				-0.3444	0.0867	0.000071618	-0.3562	0.0877	0.000048939	-0.5832	0.1234	2.3103E-06
NOX4	rs12799930	11	88851580	C	A	0.317							-0.392	0.0763	2.7528E-07			
WNK1	rs2286007	12	841552	T	C	0.071							-0.4435	0.1133	0.000090751			
TNFRSF1A	rs4149570	12	6321851	A	C	0.403	-0.2457	0.0546	6.6711E-06	-0.2493	0.0617	0.000053432						
ITPR2	rs1449564	12	26701494	T	C	0.188							0.3014	0.0741	0.000047868			
HOXC4	rs7297416	12	52729357	C	A	0.295	-0.2339	0.056	0.00002989	-0.2895	0.0634	4.9037E-06				-0.4262	0.0901	0.000002259
ATP2B1	rs1401982	12	88513730	G	A	0.405	-0.3146	0.0515	9.6668E-10	-0.4015	0.0583	5.8879E-12	-0.2413	0.0591	0.000045061	-0.5639	0.0832	1.2311E-11
ATP2B1	rs2681472	12	88533090	G	A	0.172	-0.4295	0.1007	0.000020198	-0.612	0.1129	5.8732E-08	-0.5087	0.1182	0.000016718	-0.9733	0.1654	3.9879E-09
ATP2B1	rs2681492	12	88537220	C	T	0.178	-0.4261	0.1014	0.00002663	-0.608	0.1136	8.722E-08	-0.5099	0.1191	0.000018697	-0.9707	0.1666	5.6762E-09
ATP2B1	rs11105354	12	88550654	G	A	0.166	-0.4147	0.0681	1.1493E-09	-0.577	0.0773	8.3138E-14	-0.4358	0.0783	2.6503E-08	-0.8392	0.1102	2.6702E-14
ATP2B1	rs11105358	12	88566273	C	G	0.415	-0.2717	0.0609	8.1331E-06	-0.384	0.0696	3.4522E-08				-0.5506	0.1004	4.1154E-08
ATP2B1	rs10858915	12	88575678	G	A	0.489	-0.2186	0.0505	0.000015248	-0.2778	0.0573	1.2414E-06				-0.3977	0.0817	1.1182E-06
ATP2B1	rs17249754	12	88584717	A	G	0.171	-0.4315	0.1011	0.000019686	-0.6097	0.1132	7.3015E-08	-0.5022	0.1186	0.000022991	-0.965	0.166	6.1037E-09
ATP2B1	rs7136259	12	88605319	T	C	0.415	-0.2632	0.0513	2.8238E-07	-0.3432	0.0581	3.5514E-09				-0.4894	0.0829	3.5433E-09
SH2B3	rs10849947	12	110349067	C	T	0.201	-0.4929	0.1107	8.5042E-06	-0.499	0.1248	0.000063361						
SH2B3	rs3184504	12	110368991	T	C	0.488	0.3642	0.0555	5.3855E-11	0.4094	0.0627	6.8171E-11				0.5009	0.0894	2.1105E-08
SH2B3	rs739496	12	110372042	G	A	0.203	-0.4893	0.108	5.8703E-06	-0.4983	0.1216	0.000041772						
ATXN2	rs10849949	12	110377920	G	A	0.2	-0.4957	0.1091	5.5763E-06	-0.5027	0.1229	0.000043269						
ATXN2	rs2073950	12	110378455	T	C	0.199	-0.5035	0.1096	0.000004305	-0.5046	0.1234	0.000043208						
ATXN2	rs2301621	12	110379655	T	C	0.199	-0.5036	0.1094	4.1906E-06	-0.5036	0.1233	0.000044005						
ATXN2	rs10774625	12	110394602	A	G	0.505	0.4929	0.0764	1.1025E-10	0.5343	0.0857	4.6105E-10				0.6614	0.1261	1.5591E-07
ATXN2	rs630512	12	110436550	T	C	0.185	-0.4665	0.1104	0.000023931									
ATXN2	rs616513	12	110487766	T	G	0.184	-0.4575	0.1099	0.000031504									
ATXN2	rs653178	12	110492139	C	T	0.499	0.4867	0.0756	2.131E-10	0.5335	0.086	5.5509E-10				0.6695	0.1266	1.2227E-07
ATXN2	rs12369009	12	110504182	G	T	0.184	-0.4634	0.1098	0.00002456									
BRAP	rs601663	12	110607667	G	A	0.269	-0.433	0.0897	0.000001392	-0.4406	0.1008	0.000012392						
ALDH2	rs4646777	12	110714419	A	G	0.167	-0.3178	0.0679	2.8738E-06	-0.3177	0.077	0.00003703						
ALDH2	rs10744777	12	110717401	C	T	0.325	-0.2818	0.0553	3.3934E-07	-0.3114	0.0626	6.6565E-07				-0.3659	0.0889	0.000038683
ALDH2	rs11066028	12	110729553	C	A	0.273	-0.2745	0.0581	2.2731E-06	-0.2847	0.0658	0.000015098						
ALDH2	rs7296651	12	110731337	G	C	0.171	-0.2944	0.0686	0.000017814									
C12orf30	rs17696736	12	110971201	G	A	0.441	0.26	0.0514	4.2913E-07	0.2854	0.0583	9.9095E-07				0.3589	0.0831	0.000015521
PTPN11	rs11066322	12	111406912	A	G	0.174	-0.2735	0.0676	0.0000521									
PTPN11	rs3741983	12	111424236	T	C	0.177	-0.3272	0.0803	0.000045757									
COL4A1	rs7318128	13	110969740	G	A	0.182	0.2648	0.0656	0.000053573									
COL4A1	rs7320618	13	109695293	C	T	0.179	0.2674	0.0676	0.000077026									
CDC16	rs3211416	13	114028356	C	T	0.316							0.2582	0.0642	0.000058449	0.3827	0.0905	0.000023381
FBN1	rs2015637	15	46504145	C	T	0.102							-0.4278	0.0968	9.9197E-06			
FBN1	rs7174973	15	46551046	G	A	0.101							-0.4178	0.0971	0.000016823			
FBN1	rs686861	15	46672297	G	A	0.098							-0.426	0.0981	0.000014203			
FBN1	rs1036477	15	46702218	G	A	0.106							-0.433	0.0961	6.5934E-06			
CCDC33	rs2930291	15	72391887	A	G	0.371	0.2205	0.0525	0.000026914	0.2625	0.0596	0.000010581				0.3749	0.0851	0.000010536
CYP1A1	rs2470893	15	72806502	T	C	0.307	-0.2749	0.0551	6.003E-07	-0.2573	0.0625	0.000038065						
CYP1A1	rs2472297	15	72814933	T	C	0.241	-0.2897	0.0595	1.1382E-06	-0.2881	0.0675	0.000019607						
CYP1A2	rs2472300	15	72820962	A	G	0.284	0.3242	0.0559	6.7663E-09	0.3778	0.0635	2.6277E-09				0.517	0.0906	1.1765E-08
CYP1A2	rs762551	15	72828970	C	A	0.285	0.3181	0.0559	1.2673E-08	0.3721	0.0634	4.4469E-09				0.5123	0.0906	1.5688E-08
CYP1A2	rs2472304	15	72831291	G	A	0.348	0.3448	0.0543	2.1961E-10	0.3949	0.0616	1.4908E-10				0.5059	0.0877	8.0626E-09
CYP1A2	rs11854147	15	72839824	T	C	0.303	0.4118	0.0833	7.6493E-07	0.4876	0.0935	1.8546E-07				0.6349	0.1381	4.2534E-06
CSK	rs1378942	15	72864420	C	A	0.326	0.4755	0.082	6.6717E-09	0.5541	0.092	1.7352E-09				0.7262	0.1355	8.34E-08
CSK	rs2168519	15	72867925	T	C	0.275	0.4149	0.0856	1.2657E-06	0.5166	0.0961	7.5183E-08				0.7206	0.1412	3.3668E-07
CSK	rs1378940	15	72870547	C	A	0.326	0.4819	0.0818	3.8889E-09	0.5596	0.0918	1.1039E-09				0.7298	0.1352	6.7286E-08
CSK	rs7085	15	72882536	T	C	0.279	0.3473	0.0563	6.8169E-10	0.4156	0.0638	7.531E-11	0.2673	0.0648	0.000037388	0.6058	0.0911	2.9954E-11
CSK	rs1378938	15	72883496	T	C	0.279	0.4185	0.0906	3.8054E-06	0.5256	0.1017	2.3838E-07				0.7496	0.1506	6.4294E-07
LMAN1L	rs7162232	15	72902948	G	A	0.273	0.4538	0.0942	1.4503E-06	0.5584	0.1059	1.3549E-07				0.7816	0.1577	7.1713E-07
LMAN1L	rs11634474	15	72903237	C	G	0.273	0.4441	0.0944	2.5199E-06	0.5534	0.1061	1.8441E-07				0.7846	0.158	6.8197E-07
CPLX3	rs6495122	15	72912698	A	C	0.411	0.4827	0.0933	2.3219E-07	0.5606	0.1052	9.9748E-08				0.7508	0.1584	2.1455E-06
ULK3	rs9210	15	72915554	T	C	0.278	0.4644	0.0992	2.8125E-06	0.5732	0.1117	2.8842E-07				0.8094	0.1675	1.3434E-06
FURIN	rs4932370	15	89205709	A	G	0.338	0.32	0.0536	2.3158E-09	0.3556	0.0607	4.7651E-09				0.4251	0.0866	9.2366E-07
FURIN	rs4932371	15	89205792	C	T	0.359	0.3076	0.0528	5.8585E-09	0.3414	0.0599	1.2143E-08				0.4103	0.0854	1.5726E-06
FURIN	rs4932178	15	89212660	T	C	0.358	0.2896	0.0528	4.1477E-08	0.3225	0.0599	7.1923E-08				0.3869	0.0854	5.8658E-06
FURIN	rs17514846	15	89217554	A	C	0.465	0.2296	0.0514	7.9099E-06	0.2907	0.0583	6.0754E-07				0.3988	0.0829	1.5014E-06
FURIN	rs2071410	15	89221944	G	C	0.355	0.3555	0.057	4.5805E-10	0.4025	0.0647	4.9045E-10				0.4377	0.0928	2.3814E-06
FURIN	rs62227	15	89226236	T	C	0.322	0.4978	0.088	1.5217E-08	0.6078	0.0988	7.589E-10				0.7615	0.1402	5.5808E-08
FURIN	rs4702	15	89227564	G	A	0.443	-0.2049	0.0517	0.000073481	-0.2803	0.0586	0.000001722				-0.3825	0.0833	4.4129E-06
ITGAM	rs12928810	16	31219216	A	G	0.123	-0.3197	0.0807	0.000075295									
RPGRIP1L	rs11863101	16	52229839	G	A	0				24.0451	6.0494	0.000070436						
NFAT5	rs33063	16	68197718	A	G	0.144							0.4024	0.0819	9.0735E-07			
DLG4	rs390200	17	7050719	A	G	0.391										-0.3267	0.0838	0.000097518
DLG4	rs2521985	17	7062509	T	C	0.359				-0.2385	0.0604	0.000077729				-0.3572	0.0859	0.000031851
DVL2	rs222835	17	7074853	A	G	0.415				-0.2348	0.0582	0.000054695				-0.3724	0.083	7.2198E-06
SLC2A4	rs2654185	17	7124086	A	C	0.376				-0.2322	0.0592	0.000088702				-0.357	0.0845	0.00002373
ACBD4	rs2306828	17	40569298	A	C	0.163				-0.3093	0.0778	0.000070379						
CRHR1	rs17763086	17	41261262	G	T	0.222										-0.4027	0.0995	0.000052312
COL1A1	rs2249492	17	45618020	C	T	0.381							-0.3183	0.0745	0.000019337			
PPM1E	rs6503891	17	54420706	C	A	0.399	0.2131	0.0517	0.000038064	0.2324	0.0587	0.000074886						
TBX2	rs8068318	17	56838548	C	T	0.273	-0.2433	0.0583	0.000030233									
ICAM3	rs281413	19	10307734	A	G	0.202	0.2695	0.0631	0.000019241									
SF4	rs11555053	19	19251185	A	G	0.155	-0.679	0.1733	0.000089424									
SF4	rs17751061	19	19274092	T	C	0.162	-0.4247	0.1043	0.000046731									
YJEFN3	rs11669730	19	19509713	A	G	0.171	-0.4259	0.1018	0.000028935									
EML2	rs10408179	19	50848844	C	T	0.44	0.2033	0.051	0.00006726									
C20orf111	rs7263518	20	42263105	T	C	0.139	0.3466	0.075	3.8107E-06	0.3628	0.0851	0.000020029						
NFATC2	rs3787187	20	49565569	A	G	0.502							0.241	0.0617	0.000093421	0.3472	0.0861	0.000055175
OPRL1	rs2229205	20	62199875	T	C	0.153										-0.4825	0.1234	0.000091823
ABCG1	rs7278922	21	42500880	T	C	0	9.3324	2.3948	0.000097417									
SEZ6L	rs17305517	22	25059257	C	G	0.05	0.4518	0.1143	0.000077019									
CSF2RB	rs7290817	22	35676908	G	C	0							26.4523	5.6013	2.3294E-06			
BIK	rs4988415	22	41850027	A	G	0				18.6228	4.622	0.000055979				27.5807	6.7478	0.000043629

DBP = distolic blood pressure
SBP = systolic blood pressure
MAP = median arterial pressure
PP = pulse pressure
CHR = chromosome
A1 = allele 1 (minor)
A2 = allele 2
SE = standard error
P-val = p-value
A1Freq = minor allele frequency

Table S4. eQTL supporting information on BP associated SNPs

Locus	IndexSNP	eSNP	r^2 (index to eSNP)	Tissue	Reference	eSNP.p	Chr	Pos (B36)	ArrayID	Transcript	isCis?	Best eSNP/transcript	Best eSNP.p	Tissue	² Best to BPeSNP	D'
2	rs2854275	rs2187668	1	Monocytes		4.82E-95	6	32713862		HLA-DRB4	Y	rs2187668	4.82E-95	Monocytes	Same	Same
2	rs2854275	rs2187668	1	Blood	Fehrmann et al 20	3.20E-59	6	32713862	780403	HLA-DRB1	Y	rs2187668	3.20E-59	Blood(Fehrmann et al)	Same	Same
2	rs2854275	rs2187668	1	Liver	Schröder et al 201	1.31E-10	6	32713862		HLA-DRB4	Y	rs2187668	1.31E-10	Liver(Schroder)	Same	Same
3	rs2282978	rs2282978	IndexSNP	CR:Norm		0.00002616	7	92102346	10023821866	CDK6	Y	Index SNP	0.00002616	CR:Norm	Index SNP	Index SNP
4	rs4746172	rs10824069	1	Lung		<2E-16	10	75532802	100300544_TGI_at	ADK	Y	rs10824069	<2E-16	Lung	Same	Same
5	rs217727	rs217727	IndexSNP	LCL (MuTHER)	Grundberg et al 2(	2.40E-06	11	1973484	ILMN_1830423	AK126915	Y	Index SNP	2.40E-06	LCL (MuTHER)	Same	Same
5	rs217727	rs217727	IndexSNP	Skin (MuTHER)	Grundberg et al 2(	6.59E-06	11	1973484	ILMN_1830423	AK126915	Y	Index SNP	6.59E-06	Skin (MuTHER)	Same	Same
6	rs757081	rs757081	IndexSNP	LCL in asthmatics (Liang 1kg)	Liang et 2013	1.56E-16	11	17308259	229838_at	NUCB2	Y	rs214083	3.28E-45	LCL in asthmatics (Liang 1kg)	0.415	1
6	rs757081	rs757081	IndexSNP	LCL (MuTHER)	Grundberg et al 2(	3.10E-05	11	17308259	ILMN_1799381	SNORD14A	Y	rs1541533	6.17E-44	LCL (MuTHER)	0.034	1
7	rs3741378	rs2306365	0.898	Lymph		2.54E-15	11	65183922	hmm1261-S	PCNXL3	Y	rs2306365	2.54E-15	Lymph	Same	Same
7	rs3741378	rs11227247	0.92	VC:All		7.60E-11	11	65179429	10023850638	MALAT1	Y	rs11227247	7.60E-11	VC:All	Same	Same
7	rs3741378	rs11227247	0.92	Omental Adipose	Dobrin et al 2011	2.16E-08	11	65179429	10023850638	MALAT1	Y	rs11227247	2.16E-08	omental	Same	Same
7	rs3741378	rs7101916	0.879	SubCutAdipose(Greenawalt)	Greenawalt et al 2	4.70E-07	11	65187936	10023850638	MALAT1	Y	rs7101916	4.70E-07	SubCutAdipose(Greenawalt)	Same	Same
7	rs3741378	rs7101916	0.879	CR:All		7.47E-06	11	65187936	10023850638	MALAT1	Y	rs7101916	7.47E-06	CR:All	Same	Same
7	rs3741378	rs11227247	0.92	Liver(UChicago)		0.005228942	11	65179429	A_23_P161624	FOSL1	Y	rs11227247	0.00522894	Liver(UChicago)	Same	Same
7	rs3741378	rs11227247	0.92	Lymph		1.61E-14	11	65179429	hmm1261-S	PCNXL3	Y	rs2306365	2.54E-15	Lymph	0.915	1
9	rs33063	rs33063	IndexSNP	BcellsTransformed_HapMapJPT		9.55E-08	16	68197718	GI_40217627-S	LOC283970	Y	rs9939092	4.74E-21	BcellsTransformed_HapMapJPT	Unknown	Unknown

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Table S5. Gene analysis of the neighboring regions of the findings of this paper

lead SNP	CHR	Position	GENCODE_name	RefSeq_name	score (RegulomeDB)	r²	D'	is_query_snp	rsID	ref	alt	AFR	AMR	ASN	EUR	rsID	#omosome	coordinate	rsid	hits	regulome score	combined score
rs16823124	2	183209147	PDE1A	PDE1A	7	0.83	0.92	0	rs833166	T	A	0.13	0.29	0.49	0.29	rs833166	2	183209146	rs833166	No data	7	7
rs16823124	2	183210447	PDE1A	PDE1A	5	0.77	0.93	0	rs864417	T	A	0.57	0.38	0.58	0.31	rs864417	2	183210446	rs864417	Chromatin_Structure|DNase-seq	5	5
rs16823124	2	183210991	PDE1A	PDE1A	6	0.88	0.94	0	rs833168	T	A	0.29	0.3	0.5	0.29	rs833168	2	183210990	rs833168	Motifs|PWM|HNF1, Motifs|PWM|OTX	6	6
rs16823124	2	183211345	PDE1A	PDE1A	6	0.78	-0.95	0	rs201315410	A	ATC	0.29	0.6	0.42	0.68	rs201315410	2	183211344	n/a	Motifs|PWM|TBX15	6	6
rs16823124	2	183211443	PDE1A	PDE1A	7	0.72	-0.95	0	rs12693302	G	A	0.29	0.59	0.42	0.66	rs12693302	2	183211442	rs12693302	No data	7	7
rs16823124	2	183212028	PDE1A	PDE1A	7	0.79	-0.95	0	rs12996836	T	C	0.29	0.6	0.42	0.68	rs12996836	2	183212027	rs12996836	No data	7	7
rs16823124	2	183213980	PDE1A	PDE1A	5	0.89	-0.95	0	rs6730984	C	T	0.54	0.68	0.5	0.71	rs6730984	2	183213979	rs6730984	Chromatin_Structure|DNase-seq	5	5
rs16823124	2	183213987	PDE1A	PDE1A	5	0.89	0.95	0	rs2623431	T	C	0.31	0.3	0.5	0.29	rs2623431	2	183213986	rs2623431	Motifs|PWM|FOXI1, Motifs|PWM|HFH1(FOXO1), Motifs|PWM	5	5
rs16823124	2	183218993	PDE1A	PDE1A	7	0.98	0.99	0	rs1438065	G	A	0.09	0.27	0.4	0.29	rs1438065	2	183218992	rs1438065	No data	7	7
rs16823124	2	183219680	PDE1A	PDE1A	6	0.99	1	0	rs11682598	G	C	0.12	0.27	0.4	0.29	rs11682598	2	183219679	rs11682598	Motifs|PWM|MEF-2, Motifs|PWM|Tcf7, Chromatin_Structure|F	6	6
rs16823124	2	183224127	PDE1A	PDE1A	5	1	1	1	rs16823124	G	A	0.09	0.27	0.39	0.29	rs16823124	2	183224126	rs16823124	Motifs|PWM|Hoxd13, Motifs|PWM|Hoxd10, Motifs|PWM|AIRE	5	5
rs16823124	2	183238919	PDE1A	PDE1A	6	0.8	0.96	0	rs10931008	T	C	0.26	0.36	0.51	0.32	rs10931008	2	183238918	rs10931008	Motifs|PWM|Irx-3, Motifs|PWM|Irx4, Motifs|PWM|Irx6, Motifs|P	6	6
rs16823124	2	183239941	PDE1A	PDE1A	7	0.97	0.99	0	rs7558737	A	T	0.21	0.29	0.41	0.29	rs7558737	2	183239940	rs7558737	No data	7	7
rs16823124	2	183240754	PDE1A	PDE1A	5	0.98	0.99	0	rs12475637	C	G	0.11	0.27	0.41	0.29	rs12475637	2	183240753	rs12475637	Protein_Binding|ChIP-seq|SETDB1	5	5
rs16823124	2	183240857	PDE1A	PDE1A	5	0.98	0.99	0	rs10931009	G	T	0.11	0.27	0.41	0.29	rs10931009	2	183240856	rs10931009	Protein_Binding|ChIP-seq|SETDB1	5	5
rs16823124	2	183244353	PDE1A	PDE1A	5	0.98	0.99	0	rs16823150	T	C	0.05	0.15	0.41	0.29	rs16823150	2	183244352	rs16823150	Motifs|PWM|GR, Motifs|Footprinting|AR, Motifs|PWM|Glis2, M	5	5
rs16823124	2	183249317	PDE1A	PDE1A	6	0.98	0.99	0	rs59883476	C	T	0.15	0.27	0.41	0.29	rs59883476	2	183249316	rs59883476	Motifs|PWM|PXR(PXR:RXR)	6	6
rs16823124	2	183250402	PDE1A	PDE1A	6	0.87	0.98	0	rs139934813	AAAAC	A	0.05	0.26	0.4	0.27	rs139934813	2	183250401	n/a	Motifs|PWM|BCL6, Motifs|PWM|EWSR1-FLI1, Motifs|PWM|N	6	6
rs16823124	2	183250816	PDE1A	PDE1A	7	0.94	0.98	0	rs11675803	C	T	0.02	0.15	0.35	0.28	rs11675803	2	183250815	rs11675803	No data	7	7
rs16823124	2	183251091	PDE1A	PDE1A	6	0.91	0.95	0	rs4335909	G	A	0.14	0.16	0.41	0.29	rs4335909	2	183251090	rs4335909	Motifs|PWM|NERF1a, Motifs|PWM|CTCF	6	6
rs16823124	2	183252597	PDE1A	PDE1A	6	0.97	0.99	0	rs56730309	A	G	0.19	0.27	0.42	0.29	rs56730309	2	183252596	rs56730309	Motifs|PWM|DMRT2, Motifs|PWM|DMRT3	6	6
rs16823124	2	183257393	PDE1A	PDE1A	5	0.96	0.99	0	rs4630732	T	C	0.19	0.16	0.41	0.29	rs4630732	2	183257392	rs4630732	Protein_Binding|ChIP-seq|HNF4A	5	5
rs16823124	2	183262128	PDE1A	PDE1A	7	0.84	0.98	0	rs1430158	T	C	0.11	0.29	0.65	0.32	rs1430158	2	183262127	rs1430158	No data	7	7
rs16823124	2	183263753	PDE1A	PDE1A	6	0.92	0.98	0	rs10497597	C	T	0.03	0.16	0.4	0.3	rs10497597	2	183263752	rs10497597	Motifs|PWM|MEIS1B:HOXA9, Motifs|PWM|MEIS1A:HOXA9, M	6	6
rs16823124	2	183266212	PDE1A	PDE1A	6	0.56	0.98	0	rs116031461	A	C	0.06	0.23	0.4	0.41	rs116031461	2	183266211	rs116031461	Motifs|PWM|MEIS1A:HOXA9	6	6
rs2854275	6	32623223	HLA-DQB1	HLA-DQB1	1	0.59	0.77	0	rs9273327	A	C	0.06	0.09	0.03	0.08	rs9273327	6	32623222	rs9273327	Single_Nucleotides|HLA-DOA1|eQTL, Chromatin_Structure|[	1f	1
rs2854275	6	32626484	HLA-DQB1	HLA-DQB1	5	0.77	0.93	0	rs9273369	T	C	0.05	0.09	0.03	0.09	rs9273369	6	32626483	rs9273369	Motifs|PWM|Plagl1, Chromatin_Structure|FAIRE, Protein_Bin	5	5
rs2854275	6	32628084	HLA-DQB1	HLA-DQB1	4	0.75	0.88	0	rs2854277	C	T	0.05	0.09	0.03	0.09	rs2854277	6	32628083	rs2854277	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs2854275	6	32628428	HLA-DQB1	HLA-DQB1	6	1	1	1	rs2854275	C	A	0.05	0.09	0.03	0.08	rs2854275	6	32628427	rs2854275	Single_Nucleotides|HLA-DOA1|eQTL, Chromatin_Structure|F	6	6
rs2282978	7	92236164	CDK6	CDK6	6	0.5	-0.97	0	rs8179	T	C	0.9	0.82	0.98	0.78	rs8179	7	92236163	rs8179	Motifs|PWM|RXR::RAR_DR5	6	6
rs2282978	7	92237426	CDK6	CDK6	7	0.65	0.98	0	rs42032	G	A	0.32	0.21	0.04	0.27	rs42032	7	92237425	rs42032	No data	7	7
rs2282978	7	92237533	CDK6	CDK6	7	0.5	0.98	0	rs42033	A	T	0.07	0.18	0.02	0.22	rs42033	7	92237532	rs42033	No data	7	7
rs2282978	7	92239144	CDK6	CDK6	6	0.62	0.97	0	rs42034	A	G	0.06	0.25	0.1	0.27	rs42034	7	92239143	rs42034	Motifs|PWM|Hbp1, Motifs|PWM|TCF11, Chromatin_Structure	6	6
rs2282978	7	92239531	CDK6	CDK6	4	0.62	0.97	0	rs42035	A	G	0.06	0.25	0.1	0.26	rs42035	7	92239530	rs42035	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs2282978	7	92241451	CDK6	CDK6	7	0.63	0.97	0	rs42036	C	G	0.06	0.25	0.1	0.27	rs42036	7	92241450	rs42036	No data	7	7
rs2282978	7	92243672	CDK6	CDK6	7	0.82	0.98	0	rs42377	G	A	0.29	0.29	0.1	0.32	rs42377	7	92243671	rs42377	No data	7	7
rs2282978	7	92243719	CDK6	CDK6	7	0.82	0.98	0	rs42038	C	T	0.35	0.24	0.02	0.32	rs42038	7	92243718	rs42038	No data	7	7
rs2282978	7	92244422	CDK6	CDK6	5	0.64	0.98	0	rs42039	C	T	0.09	0.21	0.02	0.27	rs42039	7	92244421	rs42039	Chromatin_Structure|DNase-seq	5	5
rs2282978	7	92245927	CDK6	CDK6	6	0.64	0.98	0	rs42040	C	T	0.09	0.21	0.02	0.27	rs42040	7	92245926	rs42040	Motifs|PWM|HNF4	6	6
rs2282978	7	92246744	CDK6	CDK6	7	0.64	0.97	0	rs42041	C	G	0.14	0.22	0.03	0.27	rs42041	7	92246743	rs42041	No data	7	7
rs2282978	7	92247333	CDK6	CDK6	5	0.64	0.97	0	rs42043	A	G	0.15	0.27	0.1	0.27	rs42043	7	92247332	rs42043	Motifs|PWM|E47, Motifs|PWM|Myf6, Motifs|PWM|CP2, Chron	5	5
rs2282978	7	92248076	CDK6	CDK6	7	0.84	0.99	0	rs42235	C	T	0.37	0.23	0.03	0.32	rs42235	7	92248075	rs42235	No data	7	7
rs2282978	7	92250140	CDK6	CDK6	5	0.77	0.97	0	rs42044	T	G	0.1	0.38	0.1	0.31	rs42044	7	92250139	rs42044	Protein_Binding|ChIP-seq|ELF1	5	5
rs2282978	7	92252203	CDK6	CDK6	5	0.77	0.97	0	rs42046	C	G	0.07	0.25	0.02	0.31	rs42046	7	92252202	rs42046	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs2282978	7	92253972	CDK6	CDK6	5	0.97	0.99	0	rs10269774	G	A	0.39	0.41	0.1	0.36	rs10269774	7	92253971	rs10269774	Chromatin_Structure|DNase-seq	5	5
rs2282978	7	92256339	CDK6	CDK6	7	0.77	0.97	0	rs10953072	A	C	0.12	0.38	0.1	0.31	rs10953072	7	92256338	rs10953072	No data	7	7
rs2282978	7	92256375	CDK6	CDK6	7	0.79	0.99	0	rs11767704	C	T	0.11	0.25	0.02	0.3	rs11767704	7	92256374	rs11767704	No data	7	7
rs2282978	7	92257392	CDK6	CDK6	5	0.77	0.97	0	rs12531820	A	G	0.12	0.38	0.1	0.31	rs12531820	7	92257391	rs12531820	Motifs|PWM|Foxl1, Motifs|PWM|SRY, Motifs|PWM|Sox17, Mo	5	5
rs2282978	7	92258733	CDK6	CDK6	7	0.8	1	0	rs143120528	AAG	A	0.07	0.25	0.02	0.3	rs143120528	7	92258732	n/a	No data	7	7
rs2282978	7	92258961	CDK6	CDK6	6	0.8	1	0	rs17766836	C	T	0.07	0.25	0.02	0.3	rs17766836	7	92258960	rs17766836	Motifs|PWM|Bcl6b, Motifs|PWM|STAT1, Motifs|PWM|STAT5B	6	6
rs2282978	7	92260161	CDK6	CDK6	5	0.8	1	0	rs11771637	G	A	0.07	0.25	0.02	0.3	rs11771637	7	92260160	rs11771637	Motifs|PWM|RREB1, Chromatin_Structure|FAIRE, Protein_Bi	5	5
rs2282978	7	92263350	CDK6	CDK6	6	0.54	1	0	rs17688839	A	T	0.02	0.2	0.02	0.23	rs17688839	7	92263349	rs17688839	Motifs|PWM|Sox7	6	6
rs2282978	7	92264410	CDK6	CDK6	2	1	1	1	rs2282978	T	C	0.45	0.41	0.11	0.35	rs2282978	7	92264409	rs2282978	Motifs|PWM|Lvf-1, Motifs|Footprinting|Lvf-1, Motifs|PWM|Ik-2	2b	2
rs2282978	7	92264993	CDK6	CDK6	3	0.8	1	0	rs2282979	T	C	0.12	0.38	0.1	0.3	rs2282979	7	92264992	rs2282979	Motifs|PWM|STAT1, Motifs|PWM|IRF, Chromatin_Structure|F	3a	3
rs2282978	7	92265798	CDK6	CDK6	5	0.78	0.98	0	rs66939011	T	C	0.12	0.38	0.1	0.31	rs66939011	7	92265797	rs66939011	Motifs|PWM|Pou2f2, Chromatin_Structure|DNase-seq	5	5
rs2282978	7	92277030	CDK6	CDK6	6	0.85	0.99	0	rs2282982	T	C	0.53	0.45	0.27	0.39	rs2282982	7	92277029	rs2282982	Motifs|PWM|Oct-1	6	6
rs2282978	7	92277315	CDK6	CDK6	5	0.8	1	0	rs73232024	G	A	0.07	0.25	0.02	0.3	rs73232024	7	92277314	rs73232024	Protein_Binding|ChIP-seq|HNF4A	5	5
rs2282978	7	92277477	CDK6	CDK6	5	0.8	1	0	rs6960181	C	T	0.07	0.25	0.02	0.3	rs6960181	7	92277476	rs6960181	Motifs|PWM|NF-AT, Motifs|Footprinting|NF-AT, Chromatin_St	5	5
rs2282978	7	92278116	CDK6	CDK6	7	0.8	1	0	rs56201652	G	A	0.35	0.26	0.02	0.3	rs56201652	7	92278115	rs56201652	No data	7	7
rs2282978	7	92279363	CDK6	CDK6	5	0.86	0.99	0	rs2282983	T	C	0.55	0.44	0.28	0.39	rs2282983	7	92279362	rs2282983	Motifs|PWM|Srf, Chromatin_Structure|DNase-seq	5	5
rs2282978	7	92280695	CDK6	CDK6	7	0.79	1	0	rs11765954	T	C	0.1	0.25	0.02	0.3	rs11765954	7	92280694	rs11765954	No data	7	7
rs2282978	7	92281953	CDK6	CDK6	3	0.79	1	0	rs6948097	C	T	0.07	0.25	0.02	0.3	rs6948097	7	92281952	rs6948097	Motifs|PWM|CACCC-bindingfactor, Chromatin_Structure|DN	3a	3
rs2282978	7	92282624	CDK6	CDK6	5	0.79	1	0	rs11764331	C	T	0.07	0.25	0.02	0.3	rs11764331	7	92282623	rs11764331	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs2282978	7	92283098	CDK6	CDK6	6	0.98	0.99	0	rs6954290	G	T	0.41	0.28	0.02	0.35	rs6954290	7	92283097	rs6954290	Motifs|PWM|Arid5a	6	6
rs2282978	7	92283262	CDK6	CDK6	7	0.79	1	0	rs6954221	C	T	0.07	0.25	0.02	0.3	rs6954221	7	92283261	rs6954221	No data	7	7
rs2282978	7	92285123	CDK6	CDK6	5	0.65	0.83	0	rs11773884	A	G	0.48	0.3	0.17	0.34	rs11773884	7	92285122	rs11773884	Protein_Binding|ChIP-seq|GATA1	5	5
rs2282978	7	92286376	CDK6	CDK6	7	0.77	0.98	0	rs10264916	A	G	0.35	0.26	0.02	0.31	rs10264916	7	92286375	rs10264916	No data	7	7
rs2282978	7	92286918	CDK6	CDK6	4	0.84	0.99	0	rs60814640	A	G	0.54	0.32	0.18	0.39	rs60814640	7	92286917	rs60814640	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs2282978	7	92286980	CDK6	CDK6	5	0.77	0.98	0	rs17164683	C	T	0.35	0.27	0.02	0.31	rs17164683	7	92286979	rs17164683	Motifs|PWM|Pbx1, Protein_Binding|ChIP-seq|GATA1, Protein	5	5
rs2282978	7	92287283	CDK6	CDK6	7	0.77	0.98	0	rs73232029	G	C	0.08	0.25	0.02	0.31	rs73232029	7	92287282	rs73232029	No data	7	7
rs2282978	7	92287849	CDK6	CDK6	6	0.77	0.98	0	rs7804293	T	G	0.07	0.25	0.02	0.31	rs7804293	7	92287848	rs7804293	Motifs|PWM|Oct-1	6	6
rs2282978	7	92288106	CDK6	CDK6	7	0.76	0.96	0	rs7804722	T	C	0.07	0.26	0.02	0.31	rs7804722	7	92288105	rs7804722	No data	7	7
rs2282978	7	92327026	CDK6	CDK6	7	0.58	0.88	0	rs3731326	A	G	0.2	0.27	0.02	0.29	rs3731326	7	92327025	rs3731326	No data	7	7
rs10224002	7	151397487	PRKAG2	PRKAG2	5	0.5	0.74	0	rs6967507	T	C	0.08	0.19	0.01	0.32	rs6967507	7	151397486	rs6967507	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151397645	PRKAG2	PRKAG2	5	0.51	0.75	0	rs6947912	G	C	0.08	0.19	0.01	0.31	rs6947912	7	151397644	rs6947912	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151397688	PRKAG2	PRKAG2	5	0.5	0.74	0	rs6967838	T	C	0.35	0.22	0.01	0.32	rs6967838	7	151397687	rs6967838	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151397773	PRKAG2	PRKAG2	5	0.5	0.74	0	rs6947707	A	T	0.34	0.22	0.01	0.32	rs6947707	7	151397772	rs6947707	Motifs|PWM|Lvf-1, Motifs|Footprinting|Lvf-1, Chromatin_Struc	5	5
rs10224002	7	151398133	PRKAG2	PRKAG2	5	0.51	0.74	0	rs6948449	C	T	0.07	0.19	0.01	0.3	rs6948449	7	151398132	rs6948449	Motifs|Footprinting|PR=GR, Motifs|PWM|PR=GR, Chromatin	5	5
rs10224002	7	151399184	PRKAG2	PRKAG2	6	0.54	0.79	0	rs12531887	G	C	0.06	0.18	0.01	0.27	rs12531887	7	151399183	rs12531887	Motifs|PWM|RP58	6	6
rs10224002	7	151399593	PRKAG2	PRKAG2	5	0.54	0.78	0	rs73158176	C	G	0.08	0.18	0.01	0.27	rs73158176	7	151399592	rs73158176	Motifs|PWM|EWSR1-FLI1, Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151402852	PRKAG2	PRKAG2	4	0.63	0.82	0	rs73158180	A	C	0.12	0.2	0.17	0.31	rs73158180	7	151402851	rs73158180	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs10224002	7	151402902	PRKAG2	PRKAG2	3	0.69	0.85	0	rs66497154	T	C	0.18	0.19	0.16	0.28	rs66497154	7	151402901	rs66497154	Motifs|PWM|Elf3, Chromatin_Structure|FAIRE, Chromatin_St	3a	3
rs10224002	7	151403260	PRKAG2	PRKAG2	2	0.77	0.91	0	rs57807319	T	C	0.33	0.2	0.01	0.28	rs57807319	7	151403259	rs57807319	Motifs|Footprinting|HEB, Motifs|PWM|AP-4, Motifs|PWM|HEB	2b	2
rs10224002	7	151403505	PRKAG2	PRKAG2	5	0.7	0.86	0	rs10263707	T	G	0.38	0.28	0.16	0.3	rs10263707	7	151403504	rs10263707	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151403809	PRKAG2	PRKAG2	5	0.66	0.86	0	rs12534878	C	T	0.42	0.3	0.16	0.32	rs12534878	7	151403808	rs12534878	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151405818	PRKAG2	PRKAG2	5	0.86	0.95	0	rs10480299	T	C	0.31	0.18	0	0.28	rs10480299	7	151405817	rs10480299	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151406005	PRKAG2	PRKAG2	7	0.86	0.95	0	rs10480300	C	T	0.23	0.18	0	0.28	rs10480300	7	151406004	rs10480300	No data	7	7
rs10224002	7	151406220	PRKAG2	PRKAG2	6	0.81	0.9	0	rs17173238	A	G	0.34	0.19	0	0.29	rs17173238	7	151406219	rs17173238	Motifs|Footprinting|DMRT2, Motifs|PWM|DMRT2, Motifs|PWM	6	6
rs10224002	7	151406449	PRKAG2	PRKAG2	2	0.86	0.95	0	rs55779150	A	T	0.3	0.18	0	0.28	rs55779150	7	151406448	rs55779150	Motifs|PWM|Pbx1, Motifs|Footprinting|DMRT2, Motifs|PWM|D	2b	2
rs10224002	7	151406788	PRKAG2	PRKAG2	4	0.86	0.95	0	rs56012466	G	A	0.3	0.18	0	0.28	rs56012466	7	151406787	rs56012466	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs10224002	7	151407429	PRKAG2	PRKAG2	5	0.85	0.95	0	rs55791829	C	G	0.12	0.17	0	0.28	rs55791829	7	151407428	rs55791829	Motifs|PWM|Tcfap2a, Motifs|PWM|Tcfap2b, Motifs|Footprintir	5	5
rs10224002	7	151407801	PRKAG2	PRKAG2	5	0.86	0.95	0	rs7805747	G	A	0.31	0.19	0	0.28	rs7805747	7	151407800	rs7805747	Protein_Binding|ChIP-seq|HNF4A	5	5
rs10224002	7	151411494	PRKAG2	PRKAG2	4	0.93	0.97	0	rs73728279	G	T	0.08	0.18	0	0.29	rs73728279	7	151411493	rs73728279	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs10224002	7	151413124	PRKAG2	PRKAG2	5	0.94	0.98	0	rs6464165	T	C	0.28	0.2	0	0.29	rs6464165	7	151413123	rs6464165	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151413194	PRKAG2	PRKAG2	5	0.94	0.98	0	rs10224210	T	C	0.08	0.18	0	0.29	rs10224210	7	151413193	rs10224210	Motifs|Footprinting|AR, Motifs|Footprinting|SOX, Motifs|PWM	5	5
rs10224002	7	151414329	PRKAG2	PRKAG2	5	0.96	0.99	0	rs10265221	T	C	0.15	0.2	0.06	0.29	rs10265221	7	151414328	rs10265221	Motifs|PWM|C/EBPgamma, Motifs|PWM|Nanog, Chromatin_S	5	5
rs10224002	7	151415041	PRKAG2	PRKAG2	5	1	1	1	rs10224002	A	G	0.44	0.2	0.06	0.29	rs10224002	7	151415040	rs10224002	Motifs|PWM|Zif268, Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151415233	PRKAG2	PRKAG2	5	0.99	1	0	rs73158188	C	T	0.12	0.19	0.06	0.29	rs73158188	7	151415232	rs73158188	Motifs|Footprinting|VBP, Motifs|PWM|VBP, Motifs|Footprintin	5	5
rs10224002	7	151415256	PRKAG2	PRKAG2	5	0.99	1	0	rs10253736	C	T	0.13	0.19	0.06	0.29	rs10253736	7	151415255	rs10253736	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151415536	PRKAG2	PRKAG2	5	0.99	1	0	rs10254101	C	T	0.14	0.19	0.06	0.29	rs10254101	7	151415535	rs10254101	Chromatin_Structure|DNase-seq	5	5
rs10224002	7	151415746	PRKAG2	PRKAG2	5	0.86	0.97	0	rs35755070	GT	G	0.53	0.3	0.18	0.32	rs35755070	7	151415745	n/a	Chromatin_Structure|DNase-seq	5	5
rs4746172	10	75840428	VCL	VCL	6	0.61	-0.92	0	rs199588195	TG	T	0.02	0.14	0.51	0.19	rs199588195	10	75840427	rs74146322	Motifs|PWM|AIRE, Chromatin_Structure|FAIRE	6	6
rs4746172	10	75840430	VCL	VCL	6	0.66	-0.91	0	rs35830669	GT	G	0.02	0.17	0.53	0.2	rs35830669	10	75840429	n/a	Motifs|PWM|AIRE, Chromatin_Structure|FAIRE	6	6
rs4746172	10	75853796	VCL	VCL	5	0.98	1	0	rs10824069	C	T	0.74	0.66	0.38	0.76	rs10824069	10	75853795	rs10824069	Motifs|PWM|Pbx-1b, Motifs|PWM|Pbx-1, Motifs|PWM|Lef1, M	5	5
rs4746172	10	75855842	VCL	VCL	7	1	1	1	rs4746172	C	T	0.74	0.66	0.38	0.76	rs4746172	10	75855841	rs4746172	No data	7	7
rs4746172	10	75855909	VCL	VCL	6	0.82	1	0	rs10689258	T	TTC,T	0.74	0.64	0.37	0.72	rs10689258	10	75855908	rs66999390	Motifs|PWM|Mtf1, Motifs|PWM|Srf, Motifs|PWM|MEF-2, Motifs	6	6
rs4746172	10	75860098	RP11-178G16.2	VCL	6	0.99	0.99	0	rs17743339	A	G	0.97	0.68	0.41	0.76	rs17743339	10	75860097	rs17743339	Motifs|PWM|POU5F1, Motifs|PWM|Hdx	6	6
rs4746172	10	75861664	RP11-178G16.2	VCL	5	0.97	1	0	rs7912297	C	A	0.46	0.63	0.39	0.75	rs7912297	10	75861663	rs7912297	Chromatin_Structure|DNase-seq	5	5
rs4746172	10	75861798	RP11-178G16.2	VCL	6	0.73	0.98	0	rs10709887	AT	A	0.67	0.57	0.28	0.7	rs10709887	10	75861797	n/a	Motifs|PWM|FOXP1	6	6
rs4746172	10	75863750	VCL	VCL	5	0.87	1	0	rs2270552	C	T	0.42	0.61	0.36	0.73	rs2270552	10	75863749	rs2270552	Motifs|PWM|STAT1, Chromatin_Structure|DNase-seq	5	5
rs4746172	10	75864372	VCL	VCL	7	0.97	1	0	rs2131959	G	C	0.75	0.66	0.39	0.75	rs2131959	10	75864371	rs2131959	No data	7	7
rs4746172	10	75867614	VCL	VCL	6	0.53	1	0	rs1874151	C	T	0.37	0.52	0.29	0.63	rs1874151	10	75867613	rs1874151	Motifs|PWM|MZF1, Motifs|PWM|Spz1	6	6
rs4746172	10	75867633	VCL	VCL	7	0.98	1	0	rs1874150	T	C	0.57	0.64	0.39	0.76	rs1874150	10	75867632	rs1874150	No data	7	7
rs4746172	10	75868114	VCL	VCL	7	0.98	1	0	rs3793921	C	T	0.61	0.64	0.39	0.76	rs3793921	10	75868113	rs3793921	No data	7	7
rs4746172	10	75869938	VCL	VCL	7	0.54	0.99	0	rs12415418	A	G	0.38	0.51	0.3	0.63	rs12415418	10	75869937	rs12415418	No data	7	7
rs4746172	10	75870890	VCL	VCL	7	0.53	1	0	rs16931177	C	G	0.37	0.51	0.3	0.63	rs16931177	10	75870889	rs16931177	No data	7	7
rs4746172	10	75871735	VCL	VCL	7	0.96	1	0	rs2131956	C	G	0.76	0.66	0.39	0.75	rs2131956	10	75871734	rs2131956	No data	7	7
rs4746172	10	75873165	VCL	VCL	7	0.53	0.99	0	rs34885185	C	T	0.62	0.54	0.3	0.63	rs34885185	10	75873164	rs34885185	No data	7	7
rs4746172	10	75875216	VCL	VCL	7	0.5	1	0	rs10824073	T	G	0.34	0.49	0.28	0.61	rs10824073	10	75875215	rs10824073	No data	7	7
rs4746172	10	75875794	VCL	VCL	6	0.53	0.98	0	rs6480716	A	G	0.66	0.54	0.3	0.63	rs6480716	10	75875793	rs6480716	Motifs|PWM|HES1	6	6
rs4746172	10	75876009	VCL	VCL	6	0.53	0.99	0	rs7922894	C	T	0.38	0.51	0.3	0.63	rs7922894	10	75876008	rs7922894	Motifs|PWM|RFX1	6	6
rs4746172	10	75877239	VCL	VCL	7	0.51	0.97	0	rs11597732	C	G	0.38	0.52	0.3	0.63	rs11597732	10	75877238	rs11597732	No data	7	7
rs4746172	10	75878915	VCL	VCL	5	0.5	0.96	0	rs16408	C	CTA	0.42	0.52	0.3	0.63	rs16408	10	75878914	rs78391049	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs4746172	10	75879511	VCL	VCL	6	0.94	0.97	0	rs703258	T	A	0.76	0.66	0.4	0.76	rs703258	10	75879510	rs703258	Motifs|PWM|Pou6f1, Motifs|PWM|Oct-1	6	6
rs4746172	10	75880424	VCL	AP3M1	6	0.51	0.97	0	rs6480717	C	T	0.38	0.51	0.3	0.63	rs6480717	10	75880423	rs6480717	Motifs|PWM|AREB6	6	6
rs4746172	10	75880754	AP3M1	AP3M1	5	0.94	0.99	0	rs6480718	C	G	0.77	0.66	0.39	0.75	rs6480718	10	75880753	rs6480718	Motifs|PWM|PPAR, Chromatin_Structure|DNase-seq	5	5
rs4746172	10	75881676	AP3M1	AP3M1	4	0.94	0.99	0	rs6688	G	A	0.76	0.66	0.39	0.75	rs6688	10	75881675	rs6688	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs4746172	10	75883129	AP3M1	AP3M1	3	0.92	0.96	0	rs201890718	C	CCT	0.76	0.66	0.39	0.76	rs201890718	10	75883128	n/a	Motifs|PWM|RelB:p52(NF-kappaB), Motifs|PWM|P50:P50, M	3a	3
rs4746172	10	75884820	AP3M1	AP3M1	6	0.94	0.97	0	rs7080130	A	C	0.76	0.66	0.39	0.76	rs7080130	10	75884819	rs7080130	Motifs|PWM|Osf2, Motifs|PWM|AML, Motifs|PWM|PEBP	6	6
rs4746172	10	75884964	AP3M1	AP3M1	6	0.9	0.97	0	rs7067855	T	C	0.76	0.64	0.38	0.75	rs7067855	10	75884963	rs7067855	Motifs|PWM|ARP-1(COUP-TF2), Motifs|PWM|Tcfap2a, Motifs	6	6
rs4746172	10	75886512	AP3M1	AP3M1	7	0.92	0.97	0	rs7073435	T	C	0.76	0.65	0.38	0.75	rs7073435	10	75886511	rs7073435	No data	7	7
rs4746172	10	75887680	AP3M1	AP3M1	7	0.7	0.96	0	rs11000877	A	G	0.69	0.6	0.34	0.71	rs11000877	10	75887679	rs11000877	No data	7	7
rs4746172	10	75887681	AP3M1	AP3M1	7	0.85	0.97	0	rs11000878	T	A	0.73	0.62	0.37	0.74	rs11000878	10	75887680	rs11000878	No data	7	7
rs4746172	10	75892904	AP3M1	AP3M1	7	0.86	0.95	0	rs7919821	A	G	0.73	0.65	0.39	0.75	rs7919821	10	75892903	rs7919821	No data	7	7
rs4746172	10	75893634	AP3M1	AP3M1	6	0.5	0.96	0	rs10824080	G	A	0.42	0.52	0.29	0.63	rs10824080	10	75893633	rs10824080	Motifs|PWM|HNF4	6	6
rs4746172	10	75896601	AP3M1	AP3M1	6	0.92	0.96	0	rs10762576	A	C	0.61	0.65	0.39	0.76	rs10762576	10	75896600	rs10762576	Motifs|PWM|Klf4, Motifs|PWM|EWSR1-FLI1	6	6
rs4746172	10	75898979	AP3M1	AP3M1	6	0.75	0.92	0	rs2395086	A	C	0.53	0.64	0.38	0.74	rs2395086	10	75898978	rs2395086	Motifs|PWM|Tcfap2e, Motifs|PWM|Elf3, Motifs|PWM|FOXP1,	6	6
rs4746172	10	75900462	AP3M1	AP3M1	5	0.92	0.96	0	rs7896966	C	A	0.77	0.66	0.39	0.76	rs7896966	10	75900461	rs7896966	Motifs|PWM|Sox7, Chromatin_Structure|DNase-seq	5	5
rs4746172	10	75901662	AP3M1	AP3M1	6	0.77	0.95	0	rs10824081	A	G	0.59	0.64	0.37	0.73	rs10824081	10	75901661	rs10824081	Motifs|PWM|Nanog, Motifs|PWM|Oct-1	6	6
rs4746172	10	75902177	AP3M1	AP3M1	7	0.5	0.96	0	rs11000889	G	A	0.42	0.52	0.29	0.63	rs11000889	10	75902176	rs11000889	No data	7	7
rs4746172	10	75902658	AP3M1	AP3M1	6	0.5	0.96	0	rs1874147	C	A	0.37	0.52	0.29	0.63	rs1874147	10	75902657	rs1874147	Motifs|PWM|STAT	6	6
rs4746172	10	75903081	AP3M1	AP3M1	7	0.91	0.96	0	rs6480719	G	T	0.58	0.65	0.4	0.76	rs6480719	10	75903080	rs6480719	No data	7	7
rs4746172	10	75911680	ADK	ADK	2	0.5	0.96	0	rs3812639	T	G	0.37	0.52	0.29	0.63	rs3812639	10	75911679	rs3812639	Motifs|PWM|Foxl1, Motifs|PWM|Mtf1, Motifs|PWM|Foxa2, Mot	2b	2
rs4746172	10	75912631	ADK	ADK	5	0.5	0.96	0	rs2894228	T	C	0.37	0.52	0.29	0.63	rs2894228	10	75912630	rs2894228	Chromatin_Structure|DNase-seq	5	5
rs4746172	10	75912827	ADK	ADK	7	0.5	0.96	0	rs4390292	A	G	0.37	0.52	0.29	0.63	rs4390292	10	75912826	rs4390292	No data	7	7
rs4746172	10	75916861	ADK	ADK	4	0.9	0.95	0	rs6480721	G	A	0.6	0.65	0.39	0.76	rs6480721	10	75916860	rs6480721	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs4746172	10	75917431	ADK	ADK	7	0.84	0.95	0	rs10762577	A	G	0.75	0.63	0.39	0.75	rs10762577	10	75917430	rs10762577	No data	7	7
rs4746172	10	75917833	ADK	ADK	7	0.9	0.95	0	rs7082003	T	A	0.6	0.65	0.39	0.76	rs7082003	10	75917832	rs7082003	No data	7	7
rs4746172	10	75924605	ADK	ADK	4	0.89	0.95	0	rs7894143	G	C	0.77	0.66	0.4	0.76	rs7894143	10	75924604	rs7894143	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs4746172	10	75936611	ADK	ADK	4	0.87	0.93	0	rs10824095	C	T	0.76	0.66	0.4	0.76	rs10824095	10	75936610	rs10824095	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs4746172	10	75939921	ADK	ADK	7	0.85	0.93	0	rs10733895	C	T	0.76	0.66	0.4	0.76	rs10733895	10	75939920	rs10733895	No data	7	7
rs4746172	10	75939990	ADK	ADK	6	0.64	0.91	0	rs201648734	ATTG	A	0.42	0.6	0.39	0.71	rs201648734	10	75939989	n/a	Motifs|PWM|Sox18, Motifs|PWM|Foxk1, Motifs|PWM|Sox1, M	6	6
rs4746172	10	75942734	ADK	ADK	5	0.81	0.91	0	rs4745741	C	T	0.76	0.66	0.4	0.76	rs4745741	10	75942733	rs4745741	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs4746172	10	75948420	ADK	ADK	7	0.79	0.89	0	rs10762581	C	A,G,T	0.76	0.66	0.4	0.76	rs10762581	10	75948419	rs10762581	No data	7	7
rs4746172	10	75949930	ADK	ADK	4	0.8	0.9	0	rs7915999	C	T	0.76	0.66	0.41	0.76	rs7915999	10	75949929	rs7915999	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs4746172	10	75951509	ADK	ADK	6	0.8	0.9	0	rs7097778	A	G	0.77	0.66	0.41	0.76	rs7097778	10	75951508	rs7097778	Motifs|PWM|Lhx3, Motifs|PWM|Lhx5, Motifs|PWM|Dbx1, Chrc	6	6
rs4746172	10	75952903	ADK	ADK	7	0.8	0.9	0	rs7090732	T	C	0.76	0.66	0.41	0.76	rs7090732	10	75952902	rs7090732	No data	7	7
rs4746172	10	75956027	ADK	ADK	7	0.8	0.9	0	rs7087290	C	T	0.76	0.66	0.43	0.76	rs7087290	10	75956026	rs7087290	No data	7	7
rs4746172	10	75959024	ADK	ADK	6	0.79	0.89	0	rs7094239	T	G	0.76	0.66	0.41	0.76	rs7094239	10	75959023	rs7094239	Motifs|PWM|C/EBPalpha, Chromatin_Structure|FAIRE	6	6
rs4746172	10	75961136	ADK	ADK	5	0.77	0.89	0	rs7910153	C	G	0.77	0.66	0.41	0.76	rs7910153	10	75961135	rs7910153	Chromatin_Structure|DNase-seq	5	5
rs4746172	10	75961229	ADK	ADK	7	0.78	0.88	0	rs7895587	T	C	0.76	0.66	0.41	0.76	rs7895587	10	75961228	rs7895587	No data	7	7
rs4746172	10	75964504	ADK	ADK	7	0.76	0.88	0	rs7909197	T	G	0.76	0.66	0.41	0.76	rs7909197	10	75964503	rs7909197	No data	7	7
rs4746172	10	75964752	ADK	ADK	6	0.71	0.87	0	rs10824109	T	C	0.74	0.65	0.4	0.75	rs10824109	10	75964751	rs10824109	Motifs|PWM|C/EBPdelta	6	6
rs4746172	10	75965255	ADK	ADK	7	0.76	0.88	0	rs7896617	A	G	0.76	0.66	0.41	0.76	rs7896617	10	75965254	rs7896617	No data	7	7
rs4746172	10	75969917	ADK	ADK	7	0.72	0.88	0	rs10128407	A	G	0.75	0.66	0.4	0.75	rs10128407	10	75969916	rs10128407	No data	7	7
rs4746172	10	75976512	ADK	ADK	7	0.7	0.87	0	rs76342133	A	G	0.73	0.65	0.4	0.75	rs76342133	10	75976511	rs11416069	No data	7	7
rs4746172	10	75978228	ADK	ADK	7	0.67	0.87	0	rs7916143	T	C	0.73	0.65	0.39	0.73	rs7916143	10	75978227	rs7916143	No data	7	7
rs4746172	10	75979997	ADK	ADK	7	0.56	0.9	0	rs74377705	T	C	0.68	0.59	0.33	0.68	rs74377705	10	75979996	rs74377705	No data	7	7
rs4746172	10	75983842	ADK	ADK	6	0.74	0.86	0	rs10762586	T	C	0.77	0.66	0.41	0.76	rs10762586	10	75983841	rs10762586	Motifs|PWM|Foxl1, Motifs|Footprinting|HFH4(FOXJ1), Motifs|	6	6
rs4746172	10	75984006	ADK	ADK	4	0.74	0.86	0	rs10824119	C	G	0.76	0.66	0.41	0.76	rs10824119	10	75984005	rs10824119	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs4746172	10	75984756	ADK	ADK	7	0.74	0.86	0	rs10762587	G	A	0.76	0.66	0.41	0.76	rs10762587	10	75984755	rs10762587	No data	7	7
rs4746172	10	75985424	ADK	ADK	7	0.74	0.86	0	rs10824120	G	A	0.76	0.66	0.41	0.76	rs10824120	10	75985423	rs10824120	No data	7	7
rs4746172	10	75986541	ADK	ADK	6	0.74	0.86	0	rs2395078	C	T	0.76	0.66	0.4	0.76	rs2395078	10	75986540	rs2395078	Motifs|PWM|Mafb, Motifs|PWM|IRF	6	6
rs4746172	10	75987748	ADK	ADK	5	0.73	0.86	0	rs1908333	G	A	0.76	0.66	0.41	0.76	rs1908333	10	75987747	rs1908333	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs4746172	10	75989610	ADK	ADK	7	0.74	0.86	0	rs11000934	T	C	0.76	0.66	0.41	0.76	rs11000934	10	75989609	rs11000934	No data	7	7
rs4746172	10	75989752	ADK	ADK	7	0.74	0.86	0	rs10762589	C	T	0.76	0.66	0.41	0.76	rs10762589	10	75989751	rs10762589	No data	7	7
rs4746172	10	75992453	ADK	ADK	7	0.65	0.86	0	rs7914783	A	G	0.72	0.64	0.39	0.74	rs7914783	10	75992452	rs7914783	No data	7	7
rs4746172	10	75996316	ADK	ADK	6	0.73	0.86	0	rs4746191	C	T	0.76	0.66	0.41	0.76	rs4746191	10	75996315	rs4746191	Motifs|PWM|Six6, Motifs|PWM|Six-6, Motifs|PWM|Arid3a, Mot	6	6
rs4746172	10	75997024	ADK	ADK	5	0.73	0.86	0	rs6480724	A	G	0.76	0.66	0.41	0.76	rs6480724	10	75997023	rs6480724	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs4746172	10	75999090	ADK	ADK	5	0.73	0.86	0	rs4451661	G	A	0.76	0.66	0.41	0.76	rs4451661	10	75999089	rs4451661	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs4746172	10	76001229	ADK	ADK	7	0.6	0.87	0	rs7092741	T	C	0.72	0.6	0.38	0.71	rs7092741	10	76001228	rs7092741	No data	7	7
rs4746172	10	76002060	ADK	ADK	6	0.73	0.86	0	rs6480726	T	G	0.76	0.66	0.41	0.76	rs6480726	10	76002059	rs6480726	Motifs|PWM|Tcf3	6	6
rs4746172	10	76006039	ADK	ADK	6	0.74	0.86	0	rs4323810	T	C	0.76	0.66	0.4	0.76	rs4323810	10	76006038	rs4323810	Motifs|PWM|Pbx, Chromatin_Structure|FAIRE	6	6
rs4746172	10	76006634	ADK	ADK	5	0.74	0.86	0	rs7099494	G	T	0.76	0.66	0.41	0.76	rs7099494	10	76006633	rs7099494	Protein_Binding|ChIP-seq|RFX3	5	5
rs4746172	10	76013219	ADK	ADK	7	0.71	0.85	0	rs11000939	T	C	0.75	0.66	0.41	0.76	rs11000939	10	76013218	rs11000939	No data	7	7
rs4746172	10	76016686	ADK	ADK	5	0.71	0.85	0	rs9971034	G	T	0.76	0.66	0.4	0.76	rs9971034	10	76016685	rs9971034	Chromatin_Structure|DNase-seq	5	5
rs4746172	10	76016962	ADK	ADK	7	0.71	0.85	0	rs5786141	GT	G	0.76	0.66	0.41	0.76	rs5786141	10	76016961	n/a	No data	7	7
rs4746172	10	76018982	ADK	ADK	6	0.7	0.84	0	rs12243059	T	C	0.76	0.66	0.41	0.76	rs12243059	10	76018981	rs12243059	Motifs|PWM|TBX5, Motifs|PWM|AREB6	6	6
rs4746172	10	76020096	ADK	ADK	5	0.71	0.85	0	rs6480728	C	T	0.76	0.66	0.41	0.76	rs6480728	10	76020095	rs6480728	Motifs|PWM|SREBP, Chromatin_Structure|FAIRE, Chromatir	5	5
rs4746172	10	76021332	ADK	ADK	6	0.69	0.84	0	rs7086014	A	G	0.41	0.63	0.4	0.75	rs7086014	10	76021331	rs7086014	Motifs|PWM|Irx6, Motifs|PWM|Irx2, Motifs|PWM|Irx3	6	6
rs4746172	10	76023295	ADK	ADK	6	0.67	0.83	0	rs7919166	G	T	0.41	0.63	0.41	0.76	rs7919166	10	76023294	rs7919166	Motifs|PWM|Sox13, Chromatin_Structure|FAIRE	6	6
rs4746172	10	76023700	ADK	ADK	7	0.69	0.83	0	rs4745743	T	C	0.72	0.65	0.4	0.76	rs4745743	10	76023699	rs4745743	No data	7	7
rs4746172	10	76024426	ADK	ADK	7	0.68	0.83	0	rs4489684	C	G	0.72	0.65	0.4	0.76	rs4489684	10	76024425	rs4489684	No data	7	7
rs4746172	10	76024971	ADK	ADK	6	0.66	0.82	0	rs4341483	A	G	0.41	0.63	0.4	0.76	rs4341483	10	76024970	rs4341483	Motifs|PWM|DMRT2, Motifs|PWM|HMGIY	6	6
rs4746172	10	76025035	ADK	ADK	7	0.52	0.81	0	rs4341484	A	G	0.91	0.65	0.39	0.72	rs4341484	10	76025034	rs4341484	No data	7	7
rs4746172	10	76025379	ADK	ADK	5	0.55	0.8	0	rs201327671	C	CT	0.4	0.6	0.4	0.73	rs201327671	10	76025378	n/a	Motifs|PWM|HFH4(FOXJ1), Motifs|PWM|Lef1, Protein_Bindin	5	5
rs4746172	10	76026245	ADK	ADK	7	0.68	0.83	0	rs6480730	G	C	0.97	0.68	0.38	0.76	rs6480730	10	76026244	rs6480730	No data	7	7
rs4746172	10	76026316	ADK	ADK	6	0.65	0.82	0	rs4353215	A	G	0.41	0.62	0.4	0.75	rs4353215	10	76026315	rs4353215	Motifs|PWM|Mtf1, Motifs|PWM|Tcfap2e, Motifs|PWM|Elf3, Mo	6	6
rs4746172	10	76027885	ADK	ADK	5	0.66	0.82	0	rs7085334	G	A	0.42	0.63	0.4	0.76	rs7085334	10	76027884	rs7085334	Motifs|PWM|AP-4, Chromatin_Structure|DNase-seq	5	5
rs4746172	10	76028449	ADK	ADK	6	0.65	0.81	0	rs6480731	G	A	0.41	0.63	0.4	0.76	rs6480731	10	76028448	rs6480731	Motifs|PWM|RP58, Chromatin_Structure|FAIRE	6	6
rs4746172	10	76030088	ADK	ADK	6	0.66	0.82	0	rs4376843	C	G	0.72	0.65	0.4	0.76	rs4376843	10	76030087	rs4376843	Motifs|PWM|STAT1:STAT1	6	6

rs4746172	10	76030421	ADK	ADK	7	0.65	0.81	0	rs4459229	C	A	0.43	0.63	0.4	0.76	rs4459229	10	76030420	rs4459229	No data		7	7
rs4746172	10	76030675	ADK	ADK	7	0.66	0.82	0	rs10740423	T	C	0.72	0.65	0.4	0.76	rs10740423	10	76030674	rs10740423	No data		7	7
rs4746172	10	76030679	ADK	ADK	7	0.65	0.81	0	rs10824135	C	T	0.41	0.63	0.4	0.76	rs10824135	10	76030678	rs10824135	No data		7	7
rs4746172	10	76031391	ADK	ADK	6	0.63	0.8	0	rs11000946	A	G	0.42	0.63	0.4	0.76	rs11000946	10	76031390	rs11000946	Motifs|PWM|Sox30, Motifs|PWM|SOX9		6	6
rs4746172	10	76032185	ADK	ADK	7	0.63	0.8	0	rs10824136	T	C	0.42	0.63	0.4	0.76	rs10824136	10	76032184	rs10824136	No data		7	7
rs4746172	10	76032348	ADK	ADK	7	0.63	0.8	0	rs12571088	C	A	0.42	0.63	0.4	0.76	rs12571088	10	76032347	rs12571088	No data		7	7
rs4746172	10	76032360	ADK	ADK	7	0.63	0.8	0	rs10762591	A	T	0.42	0.63	0.4	0.76	rs10762591	10	76032359	rs10762591	No data		7	7
rs4746172	10	76032565	ADK	ADK	7	0.63	0.8	0	rs4746192	G	C	0.43	0.63	0.4	0.76	rs4746192	10	76032564	rs4746192	No data		7	7
rs4746172	10	76032932	ADK	ADK	6	0.63	0.8	0	rs200388593	AG	A	0.43	0.63	0.4	0.76	rs200388593	10	76032931	n/a	Motifs|PWM|hoxa9, Motifs|PWM|Tcfap2e, Motifs|PWM|Srf, Mo		6	6
rs4746172	10	76034090	ADK	ADK	6	0.61	0.8	0	rs11000951	T	C	0.42	0.63	0.4	0.75	rs11000951	10	76034089	rs11000951	Motifs|PWM|Zfx		6	6
rs4746172	10	76038863	ADK	ADK	7	0.6	0.8	0	rs4501938	C	T	0.41	0.63	0.4	0.75	rs4501938	10	76038862	rs4501938	No data		7	7
rs4746172	10	76039631	ADK	ADK	6	0.63	0.8	0	rs12357589	G	T	0.42	0.63	0.4	0.76	rs12357589	10	76039630	rs12357589	Motifs|PWM|STAT1, Motifs|PWM|ISGF-3, Motifs|PWM|Srf		6	6
rs4746172	10	76040139	ADK	ADK	6	0.6	0.79	0	rs11000954	T	C	0.42	0.62	0.39	0.75	rs11000954	10	76040138	rs11000954	Motifs|Footprinting|TBX5, Motifs|Footprinting|AREB6, Motifs|F		6	6
rs4746172	10	76041016	ADK	ADK	6	0.63	0.8	0	rs7096664	A	G	0.41	0.63	0.4	0.76	rs7096664	10	76041015	rs7096664	Motifs|PWM|STATx, Motifs|PWM|STAT1, Chromatin_Structur		6	6
rs4746172	10	76041892	ADK	ADK	6	0.62	0.8	0	rs10824138	T	G	0.41	0.62	0.4	0.76	rs10824138	10	76041891	rs10824138	Motifs|PWM|Foxd3, Motifs|PWM|Hoxd13, Motifs|PWM|FOXD3		6	6
rs4746172	10	76044624	ADK	ADK	7	0.64	0.8	0	rs6480732	C	G	0.71	0.65	0.4	0.76	rs6480732	10	76044623	rs6480732	No data		7	7
rs4746172	10	76047664	ADK	ADK	7	0.63	0.8	0	rs12098289	C	T	0.41	0.62	0.4	0.76	rs12098289	10	76047663	rs12098289	No data		7	7
rs4746172	10	76048878	ADK	ADK	7	0.63	0.8	0	rs7085940	C	A	0.43	0.62	0.4	0.76	rs7085940	10	76048877	rs7085940	No data		7	7
rs4746172	10	76049832	ADK	ADK	5	0.52	0.78	0	rs200106704	A	ACG	0.47	0.61	0.4	0.73	rs200106704	10	76049831	n/a	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		5	5
rs4746172	10	76050277	ADK	ADK	6	0.61	0.79	0	rs4639878	T	C	0.42	0.62	0.4	0.76	rs4639878	10	76050276	rs4639878	Motifs|Footprinting|Cdx, Motifs|PWM|Cdx		6	6
rs4746172	10	76050594	ADK	ADK	4	0.61	0.79	0	rs4615968	A	G	0.41	0.62	0.4	0.76	rs4615968	10	76050593	rs4615968	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs4746172	10	76051136	ADK	ADK	7	0.56	0.81	0	rs10762592	T	C	0.41	0.6	0.4	0.73	rs10762592	10	76051135	rs10762592	No data		7	7
rs4746172	10	76053583	ADK	ADK	4	0.61	0.79	0	rs11000964	A	C	0.42	0.62	0.4	0.76	rs11000964	10	76053582	rs11000964	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs4746172	10	76054049	ADK	ADK	2	0.54	0.79	0	rs201615919	T	TC	0.41	0.6	0.4	0.73	rs201615919	10	76054048	rs117974684	Motifs|PWM|Mtf1, Motifs|PWM|Elf3, Motifs|PWM|FOXP1, Mot	2b		2
rs4746172	10	76057505	ADK	ADK	5	0.63	0.8	0	rs7900243	T	C	0.72	0.65	0.4	0.76	rs7900243	10	76057504	rs7900243	Motifs|PWM|Sox15, Chromatin_Structure|FAIRE, Chromatin		5	5
rs4746172	10	76057769	ADK	ADK	6	0.61	0.79	0	rs10762593	A	G	0.41	0.62	0.4	0.76	rs10762593	10	76057768	rs10762593	Motifs|PWM|Foxl1		6	6
rs4746172	10	76058530	ADK	ADK	6	0.57	0.78	0	rs71024503	AAAAC	A	0.41	0.62	0.4	0.75	rs71024503	10	76058529	n/a	Motifs|PWM|Foxl1, Motifs|PWM|FOXO4, Motifs|PWM|RREB1		6	6
rs4746172	10	76060488	ADK	ADK	5	0.61	0.79	0	rs12776428	T	C	0.41	0.62	0.4	0.76	rs12776428	10	76060487	rs12776428	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		5	5
rs4746172	10	76060717	ADK	ADK	7	0.61	0.82	0	rs7904939	A	G	0.7	0.62	0.38	0.74	rs7904939	10	76060716	rs7904939	No data		7	7
rs4746172	10	76060718	ADK	ADK	7	0.59	0.82	0	rs72818515	C	A	0.42	0.6	0.38	0.74	rs72818515	10	76060717	rs72818515	No data		7	7
rs4746172	10	76063114	ADK	ADK	5	0.63	0.8	0	rs7917790	G	A	0.95	0.68	0.4	0.76	rs7917790	10	76063113	rs7917790	Motifs|PWM|Mtf1, Chromatin_Structure|DNase-seq		5	5
rs4746172	10	76063965	ADK	ADK	6	0.61	0.79	0	rs10824143	C	T	0.42	0.62	0.4	0.76	rs10824143	10	76063964	rs10824143	Motifs|PWM|Elf3, Chromatin_Structure|FAIRE		6	6
rs4746172	10	76064972	ADK	ADK	7	0.6	0.79	0	rs7069460	A	G	0.35	0.61	0.4	0.75	rs7069460	10	76064971	rs7069460	No data		7	7
rs4746172	10	76065511	ADK	ADK	5	0.61	0.79	0	rs11000977	T	G	0.41	0.62	0.41	0.76	rs11000977	10	76065510	rs11000977	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		5	5
rs4746172	10	76066560	ADK	ADK	7	0.61	0.79	0	rs11000978	C	T	0.41	0.62	0.41	0.76	rs11000978	10	76066559	rs11000978	No data		7	7
rs4746172	10	76067557	ADK	ADK	7	0.6	0.78	0	rs10824144	A	C	0.43	0.62	0.41	0.76	rs10824144	10	76067556	rs10824144	No data		7	7
rs4746172	10	76071203	ADK	ADK	7	0.62	0.79	0	rs2894234	G	A	0.71	0.65	0.4	0.76	rs2894234	10	76071202	rs2894234	No data		7	7
rs4746172	10	76071861	ADK	ADK	7	0.59	0.78	0	rs10762594	C	A	0.37	0.62	0.41	0.75	rs10762594	10	76071860	rs10762594	No data		7	7
rs4746172	10	76072766	ADK	ADK	6	0.6	0.78	0	rs6480733	T	G	0.41	0.62	0.41	0.76	rs6480733	10	76072765	rs6480733	Motifs|PWM|Cdx, Motifs|PWM|HFH4(FOXJ1), Chromatin_Stru		6	6
rs4746172	10	76073063	ADK	ADK	7	0.6	0.78	0	rs2126765	A	C	0.41	0.62	0.41	0.76	rs2126765	10	76073062	rs2126765	No data		7	7
rs4746172	10	76073785	ADK	ADK	6	0.6	0.78	0	rs140370166	TTAG	T	0.41	0.62	0.41	0.76	rs140370166	10	76073784	n/a	Motifs|PWM|Dlx2, Chromatin_Structure|FAIRE		6	6
rs4746172	10	76075368	ADK	ADK	7	0.6	0.78	0	rs11297052	GC	G	0.42	0.62	0.4	0.76	rs11297052	10	76075367	n/a	No data		7	7
rs4746172	10	76076034	ADK	ADK	7	0.6	0.78	0	rs10762595	T	A	0.43	0.62	0.41	0.76	rs10762595	10	76076033	rs10762595	No data		7	7
rs4746172	10	76076299	ADK	ADK	7	0.6	0.78	0	rs958620	G	A	0.41	0.62	0.41	0.76	rs958620	10	76076298	rs958620	No data		7	7
rs4746172	10	76079016	ADK	ADK	7	0.62	0.79	0	rs4746196	G	A	0.72	0.65	0.41	0.76	rs4746196	10	76079015	rs4746196	No data		7	7
rs4746172	10	76079394	ADK	ADK	6	0.6	0.78	0	rs2169684	C	T	0.41	0.62	0.41	0.76	rs2169684	10	76079393	rs2169684	Motifs|PWM|Sox1, Motifs|PWM|GATA-1, Chromatin_Structure		6	6
rs4746172	10	76079652	ADK	ADK	7	0.6	0.78	0	rs2126769	C	T	0.41	0.62	0.41	0.76	rs2126769	10	76079651	rs2126769	No data		7	7
rs4746172	10	76080383	ADK	ADK	7	0.62	0.79	0	rs2078036	T	C	0.72	0.65	0.41	0.76	rs2078036	10	76080382	rs2078036	No data		7	7
rs4746172	10	76081943	ADK	ADK	7	0.6	0.78	0	rs10824149	G	T	0.41	0.62	0.41	0.76	rs10824149	10	76081942	rs10824149	No data		7	7
rs4746172	10	76083351	ADK	ADK	6	0.51	0.78	0	rs11000990	T	C	0.4	0.6	0.4	0.73	rs11000990	10	76083350	rs11000990	Motifs|PWM|Tcfap2e, Motifs|PWM|FOXM1		6	6
rs4746172	10	76083430	ADK	ADK	6	0.6	0.78	0	rs11000992	A	G	0.42	0.62	0.4	0.76	rs11000992	10	76083429	rs11000992	Motifs|PWM|Nr2f2, Motifs|PWM|Irf3, Motifs|PWM|Rxra		6	6
rs4746172	10	76084091	ADK	ADK	7	0.6	0.78	0	rs10762596	C	A	0.42	0.62	0.41	0.76	rs10762596	10	76084090	rs10762596	No data		7	7
rs4746172	10	76084118	ADK	ADK	6	0.6	0.78	0	rs10824150	A	C	0.42	0.62	0.41	0.76	rs10824150	10	76084117	rs10824150	Motifs|PWM|FOXP1		6	6
rs4746172	10	76084280	ADK	ADK	6	0.6	0.78	0	rs11000994	A	C	0.42	0.62	0.41	0.76	rs11000994	10	76084279	rs11000994	Motifs|PWM|Tcf1, Chromatin_Structure|FAIRE		6	6
rs4746172	10	76084389	ADK	ADK	6	0.6	0.78	0	rs11000995	G	A,C	0.41	0.62	0.41	0.76	rs11000995	10	76084388	rs11000995	Motifs|PWM|Six6, Chromatin_Structure|FAIRE		6	6
rs4746172	10	76084470	ADK	ADK	6	0.6	0.78	0	rs11000996	G	A	0.41	0.62	0.41	0.76	rs11000996	10	76084469	rs11000996	Motifs|PWM|TCF11:MafG, Motifs|PWM|Pit-1, Chromatin_Stru		6	6
rs4746172	10	76084870	ADK	ADK	6	0.6	0.78	0	rs4746197	A	C	0.42	0.62	0.41	0.76	rs4746197	10	76084869	rs4746197	Motifs|PWM|Sox8		6	6
rs4746172	10	76088153	ADK	ADK	7	0.6	0.78	0	rs35655878	GA	G	0.41	0.62	0.4	0.76	rs35655878	10	76088152	n/a	No data		7	7
rs4746172	10	76089182	ADK	ADK	6	0.6	0.78	0	rs7916445	T	C	0.41	0.62	0.41	0.76	rs7916445	10	76089181	rs7916445	Motifs|PWM|Evi-1, Motifs|PWM|Pou3f1		6	6
rs4746172	10	76096901	ADK	ADK	6	0.6	0.78	0	rs10762598	T	C	0.42	0.62	0.41	0.76	rs10762598	10	76096900	rs10762598	Motifs|PWM|AR, Chromatin_Structure|FAIRE		6	6
rs4746172	10	76098016	ADK	ADK	5	0.6	0.78	0	rs11001002	T	C	0.41	0.62	0.41	0.76	rs11001002	10	76098015	rs11001002	Chromatin_Structure|DNase-seq		5	5
rs4746172	10	76098873	ADK	ADK	7	0.62	0.79	0	rs7920185	C	G	0.71	0.65	0.41	0.76	rs7920185	10	76098872	rs7920185	No data		7	7
rs4746172	10	76101874	ADK	ADK	7	0.6	0.78	0	rs11001004	G	A	0.41	0.62	0.41	0.76	rs11001004	10	76101873	rs11001004	No data		7	7
rs4746172	10	76101965	ADK	ADK	7	0.6	0.78	0	rs12772532	T	C	0.42	0.62	0.41	0.76	rs12772532	10	76101964	rs12772532	No data		7	7
rs4746172	10	76102681	ADK	ADK	5	0.6	0.78	0	rs10824153	C	A	0.41	0.62	0.41	0.76	rs10824153	10	76102680	rs10824153	Chromatin_Structure|DNase-seq		5	5
rs4746172	10	76103332	ADK	ADK	5	0.6	0.78	0	rs11001005	T	C	0.41	0.62	0.41	0.76	rs11001005	10	76103331	rs11001005	Protein_Binding|ChIP-seq|SETDB1		5	5
rs4746172	10	76105675	ADK	ADK	6	0.6	0.78	0	rs11001006	T	C	0.42	0.62	0.4	0.76	rs11001006	10	76105674	rs11001006	Motifs|PWM|Foxl1		6	6
rs217727	11	1995223	MRPL23	LOC100133545	5	0.72	0.94	0	rs217719	G	A	0.32	0.35	0.23	0.21	rs217719	11	1995222	rs217719	Motifs|PWM|HEN1, Chromatin_Structure|DNase-seq		5	5
rs217727	11	2001895	MRPL23	LOC100133545	5	0.71	0.94	0	rs10840138	T	C	0.29	0.35	0.23	0.21	rs10840138	11	2001894	rs10840138	Chromatin_Structure|DNase-seq		5	5
rs217727	11	2002472	MRPL23	LOC100133545	4	0.7	0.93	0	rs10840140	C	T	0.33	0.35	0.23	0.21	rs10840140	11	2002471	rs10840140	Motifs|Footprinting|, Chromatin_Structure|DNase-seq, Protei		4	4
rs217727	11	2005794	MRPL23-AS1	LOC100133545	5	0.83	0.96	0	rs71455916	C	A	0.3	0.33	0.32	0.19	rs71455916	11	2005793	rs71455916	Motifs|PWM|AP-2, Chromatin_Structure|DNase-seq		5	5
rs217727	11	2008366	MRPL23-AS1	LOC100133545	4	0.82	0.96	0	rs12806111	C	T	0.32	0.33	0.32	0.19	rs12806111	11	2008365	rs12806111	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|		4	4
rs217727	11	2010968	MRPL23-AS1	LOC100133545	4	0.64	0.99	0	rs12575654	G	A	0.47	0.37	0.32	0.24	rs12575654	11	2010967	rs12575654	Motifs|Footprinting|, Chromatin_Structure|DNase-seq, Protei		4	4
rs217727	11	2011205	MRPL23-AS1	LOC100133545	2	0.52	0.83	0	rs11564745	G	A	0.42	0.28	0.32	0.22	rs11564745	11	2011204	rs11564745	Motifs|PWM|Zfx, Motifs|Footprinting|Zfx, Chromatin_Structure	2b		2
rs217727	11	2014529	AC051649.6	H19	5	0.5	-0.99	0	rs3214201	C	CT	0.3	0.53	0.52	0.71	rs3214201	11	2014528	n/a	Chromatin_Structure|DNase-seq		5	5
rs217727	11	2015835	H19	H19	5	0.66	0.99	0	rs217728	C	T	0.34	0.36	0.34	0.24	rs217728	11	2015834	rs217728	Chromatin_Structure|DNase-seq		5	5
rs217727	11	2016908	H19	H19	5	1	1	1	rs217727	G	A	0.1	0.25	0.34	0.17	rs217727	11	2016907	rs217727	Motifs|Footprinting|Pax-4, Motifs|PWM|Pax-4, Chromatin_Stru		5	5
rs217727	11	2019995	H19	H19	5	0.66	0.91	0	rs2158394	C	G	0.52	0.38	0.35	0.21	rs2158394	11	2019994	rs2158394	Motifs|PWM|Zic2, Motifs|PWM|Zic1, Chromatin_Structure|DN		5	5
rs217727	11	2021980	H19	H19	2	0.79	0.91	0	rs2525883	C	T	0.05	0.32	0.34	0.18	rs2525883	11	2021979	rs2525883	Motifs|Footprinting|SP1, Motifs|PWM|SP1, Motifs|Footprinting	2b		2
rs217727	11	2024451	H19	H19	5	0.66	0.91	0	rs2525886	C	T	0.47	0.31	0.44	0.21	rs2525886	11	2024450	rs2525886	Chromatin_Structure|DNase-seq		5	5
rs757081	11	17137581	PIK3C2A	PIK3C2A	6	0.5	0.73	0	rs34724588	T	C	0.03	0.25	0.42	0.28	rs34724588	11	17137580	rs34724588	Motifs|PWM|Evi-1		6	6
rs757081	11	17138666	PIK3C2A	PIK3C2A	7	0.51	0.74	0	rs3950680	G	A	0.03	0.25	0.42	0.28	rs3950680	11	17138665	rs3950680	No data		7	7
rs757081	11	17161341	PIK3C2A	PIK3C2A	7	0.51	0.74	0	rs17641418	T	C	0.03	0.25	0.42	0.28	rs17641418	11	17161340	rs17641418	No data		7	7
rs757081	11	17161615	PIK3C2A	PIK3C2A	6	0.51	0.74	0	rs17561348	T	C	0.03	0.25	0.42	0.28	rs17561348	11	17161614	rs17561348	Motifs|PWM|DMRT2, Motifs|PWM|Sox1, Motifs|PWM|HMGIY		6	6
rs757081	11	17188516	PIK3C2A	PIK3C2A	6	0.5	0.73	0	rs214938	C	T	0.04	0.25	0.42	0.28	rs214938	11	17188515	rs214938	Motifs|PWM|c-Myb, Motifs|PWM|Mybl1		6	6
rs757081	11	17212375	PIK3C2A	PIK3C2A	7	0.5	0.73	0	rs644419	T	C	0.03	0.25	0.42	0.28	rs644419	11	17212374	rs644419	No data		7	7
rs757081	11	17225436	PIK3C2A	PIK3C2A	5	0.5	0.82	0	rs214904	C	T	0.57	0.41	0.81	0.36	rs214904	11	17225435	rs214904	Protein_Binding|ChIP-seq|CTCF		5	5
rs757081	11	17226607	PIK3C2A	PIK3C2A	5	0.52	0.74	0	rs214903	C	T	0.04	0.25	0.42	0.28	rs214903	11	17226606	rs214903	Motifs|PWM|LUN-1, Motifs|PWM|Pitx2, Protein_Binding|ChIP-		5	5
rs757081	11	17230850	NUCB2	PIK3C2A	2	0.5	0.74	0	rs140613036	GCA	G	0.06	0.26	0.43	0.28	rs140613036	11	17230849	n/a	Motifs|PWM|COMP1, Motifs|Footprinting|COMP1, Chromatin	2b		2
rs757081	11	17237080	NUCB2	PIK3C2A	7	0.53	0.83	0	rs214923	G	C	0.58	0.42	0.81	0.36	rs214923	11	17237079	rs214923	No data		7	7
rs757081	11	17244779	NUCB2	PIK3C2A	4	0.53	0.83	0	rs214907	G	A	0.6	0.42	0.81	0.36	rs214907	11	17244778	rs214907	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs757081	11	17249329	NUCB2	NUCB2	7	0.54	0.77	0	rs61881877	G	T	0.03	0.25	0.42	0.28	rs61881877	11	17249328	rs61881877	No data		7	7
rs757081	11	17250814	NUCB2	NUCB2	6	0.53	0.76	0	rs61881881	C	T	0.03	0.26	0.42	0.28	rs61881881	11	17250813	rs61881881	Motifs|PWM|E2A, Motifs|PWM|Zfx, Motifs|PWM|MyoD		6	6
rs757081	11	17255512	NUCB2	NUCB2	7	0.53	0.83	0	rs7109536	G	A	0.58	0.42	0.81	0.36	rs7109536	11	17255511	rs7109536	No data		7	7
rs757081	11	17259967	NUCB2	NUCB2	5	0.54	0.77	0	rs60173525	A	G	0.03	0.25	0.42	0.28	rs60173525	11	17259966	rs60173525	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		5	5
rs757081	11	17260116	NUCB2	NUCB2	2	0.54	0.77	0	rs12577525	G	A	0.03	0.25	0.42	0.28	rs12577525	11	17260115	rs12577525	Motifs|Footprinting|CDP, Motifs|PWM|CDP, Motifs|PWM|CutI	2b		2
rs757081	11	17260918	NUCB2	NUCB2	1	0.52	0.83	0	rs10832750	A	T	0.58	0.42	0.82	0.36	rs10832750	11	17260917	rs10832750	Single_Nucleotides|NUCB2|eQTL, Single_Nucleotides|RNU1	1f		1
rs757081	11	17266259	NUCB2	NUCB2	6	0.54	0.77	0	rs17473243	G	A	0.03	0.25	0.42	0.28	rs17473243	11	17266258	rs17473243	Motifs|PWM|Pou5f1, Motifs|PWM|AFP1		6	6
rs757081	11	17266868	NUCB2	NUCB2	6	0.54	0.77	0	rs12577815	G	A	0.04	0.25	0.42	0.28	rs12577815	11	17266867	rs12577815	Motifs|PWM|SREBP		6	6
rs757081	11	17267029	NUCB2	NUCB2	6	0.52	0.83	0	rs1488933	C	T	0.59	0.42	0.82	0.36	rs1488933	11	17267028	rs1488933	Single_Nucleotides|NUCB2|eQTL		6	6
rs757081	11	17267164	NUCB2	NUCB2	6	0.52	0.83	0	rs7108315	C	T	0.57	0.41	0.82	0.36	rs7108315	11	17267163	rs7108315	Single_Nucleotides|NUCB2|eQTL		6	6
rs757081	11	17268348	NUCB2	NUCB2	6	0.52	0.83	0	rs4508187	C	T	0.56	0.41	0.82	0.36	rs4508187	11	17268347	rs4508187	Motifs|PWM|Hnf4a		6	6
rs757081	11	17274441	NUCB2	NUCB2	7	0.52	0.83	0	rs10766382	A	T	0.59	0.43	0.82	0.36	rs10766382	11	17274440	rs10766382	No data		7	7
rs757081	11	17274534	NUCB2	NUCB2	7	0.52	0.83	0	rs11024220	G	A	0.59	0.43	0.82	0.36	rs11024220	11	17274533	rs11024220	No data		7	7
rs757081	11	17274550	NUCB2	NUCB2	6	0.52	0.83	0	rs11024221	T	A	0.59	0.42	0.82	0.36	rs11024221	11	17274549	rs11024221	Motifs|PWM|Hoxa10		6	6
rs757081	11	17275035	NUCB2	NUCB2	4	0.52	0.83	0	rs7108316	T	C	0.57	0.43	0.83	0.36	rs7108316	11	17275034	rs7108316	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|		4	4
rs757081	11	17276965	NUCB2	NUCB2	7	0.52	0.83	0	rs12276859	C	T	0.59	0.43	0.82	0.36	rs12276859	11	17276964	rs12276859	No data		7	7
rs757081	11	17277353	NUCB2	NUCB2	7	0.52	0.83	0	rs7128822	C	T	0.56	0.43	0.82	0.36	rs7128822	11	17277352	rs7128822	No data		7	7
rs757081	11	17277693	NUCB2	NUCB2	6	0.52	0.83	0	rs11024223	A	T	0.57	0.43	0.82	0.36	rs11024223	11	17277692	rs11024223	Single_Nucleotides|RNU14|eQTL, Motifs|PWM|C/EBPgamma		6	6
rs757081	11	17280596	NUCB2	NUCB2	5	0.53	0.83	0	rs7940253	G	A	0.57	0.43	0.83	0.36	rs7940253	11	17280595	rs7940253	Motifs|PWM|PPARgamma:RXRalpha=PPARgamma, Motifs|F		5	5
rs757081	11	17285203	NUCB2	NUCB2	6	0.53	0.84	0	rs11024229	C	T	0.56	0.43	0.82	0.36	rs11024229	11	17285202	rs11024229	Motifs|PWM|PXR(PXR:RXR), Motifs|Footprinting|PXR(PXR:R		6	6
rs757081	11	17285487	NUCB2	NUCB2	1	0.54	0.84	0	rs10832752	G	A	0.57	0.43	0.82	0.36	rs10832752	11	17285486	rs10832752	Single_Nucleotides|NUCB2|eQTL, Chromatin_Structure|FAIF	1f		1
rs757081	11	17287250	NUCB2	NUCB2	7	0.54	0.84	0	rs11024231	G	A	0.57	0.43	0.82	0.36	rs11024231	11	17287249	rs11024231	No data		7	7
rs757081	11	17288298	NUCB2	NUCB2	7	0.54	0.84	0	rs214102	G	A	0.59	0.43	0.82	0.36	rs214102	11	17288297	rs214102	No data		7	7
rs757081	11	17289354	NUCB2	NUCB2	1	0.52	0.85	0	rs214101	A	G	0.6	0.42	0.81	0.37	rs214101	11	17289353	rs214101	Single_Nucleotides|NUCB2|eQTL, Motifs|Footprinting|TEF, M	1b		1
rs757081	11	17291272	NUCB2	NUCB2	6	0.53	0.8	0	rs214098	C	A	0.07	0.18	0.4	0.26	rs214098	11	17291271	rs214098	Motifs|PWM|Zfx, Motifs|Footprinting|Zfx		6	6
rs757081	11	17292068	NUCB2	NUCB2	6	0.53	0.86	0	rs105290	T	C	0.6	0.42	0.82	0.37	rs105290	11	17292067	rs105290	Motifs|PWM|TP53, Motifs|PWM|p53		6	6
rs757081	11	17293356	NUCB2	NUCB2	6	0.52	0.85	0	rs190046	T	C	0.61	0.41	0.82	0.37	rs190046	11	17293355	rs190046	Motifs|PWM|IRF3, Motifs|PWM|Dobox4		6	6
rs757081	11	17293462	NUCB2	NUCB2	6	0.52	0.85	0	rs214095	T	A	0.6	0.41	0.81	0.37	rs214095	11	17293461	rs214095	Motifs|PWM|Octamer, Motifs|PWM|Cart-1, Motifs|PWM|Oct-1		6	6
rs757081	11	17296463	NUCB2	NUCB2	5	0.53	0.81	0	rs214091	A	C	0.02	0.17	0.4	0.25	rs214091	11	17296462	rs214091	Protein_Binding|ChIP-seq|CREBBP		5	5
rs757081	11	17297161	NUCB2	NUCB2	2	0.53	0.81	0	rs214090	C	T	0.02	0.17	0.4	0.25	rs214090	11	17297160	rs214090	Motifs|Footprinting|aMEF-2, Motifs|PWM|aMEF-2, Chromatin	2b		2
rs757081	11	17298365	NUCB2	NUCB2	4	0.55	0.89	0	rs214087	G	C	0.63	0.48	0.81	0.37	rs214087	11	17298364	rs214087	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs757081	11	17298656	NUCB2	NUCB2	4	0.52	0.84	0	rs214085	C	T	0.62	0.41	0.81	0.37	rs214085	11	17298655	rs214085	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs757081	11	17299868	NUCB2	NUCB2	7	0.53	0.85	0	rs214079	A	T	0.6	0.41	0.81	0.36	rs214079	11	17299867	rs214079	No data		7	7
rs757081	11	17300257	NUCB2	NUCB2	1	0.54	0.85	0	rs214076	T	C	0.6	0.41	0.81	0.36	rs214076	11	17300256	rs214076	Single_Nucleotides|NUCB2|eQTL, Protein_Binding|ChIP-seq	1f		1
rs757081	11	17300417	NUCB2	NUCB2	1	0.54	0.85	0	rs214075	G	T	0.6	0.41	0.81	0.36	rs214075	11	17300416	rs214075	Single_Nucleotides|NUCB2|eQTL, Single_Nucleotides|RNU1	1f		1
rs757081	11	17305270	NUCB2	NUCB2	5	0.56	0.84	0	rs214072	C	T	0.02	0.17	0.4	0.25	rs214072	11	17305269	rs214072	Chromatin_Structure|DNase-seq		5	5
rs757081	11	17305294	NUCB2	NUCB2	1	0.56	0.87	0	rs214071	T	G	0.6	0.41	0.81	0.37	rs214071	11	17305293	rs214071	Single_Nucleotides|NUCB2|eQTL, Chromatin_Structure|DNa	1f		1
rs757081	11	17305317	NUCB2	NUCB2	5	0.56	0.83	0	rs214070	T	A	0.02	0.17	0.4	0.25	rs214070	11	17305316	rs214070	Motifs|PWM|Evi-1, Chromatin_Structure|DNase-seq		5	5
rs757081	11	17305600	NUCB2	NUCB2	5	0.56	0.87	0	rs214069	G	A	0.6	0.41	0.81	0.37	rs214069	11	17305599	rs214069	Chromatin_Structure|DNase-seq		5	5
rs757081	11	17305831	NUCB2	NUCB2	7	0.56	0.87	0	rs214067	A	C	0.6	0.41	0.81	0.37	rs214067	11	17305830	rs214067	No data		7	7
rs757081	11	17308273	NUCB2	NUCB2	7	0.52	0.75	0	rs214108	T	C	0.16	0.3	0.39	0.31	rs214108	11	17308272	rs214108	No data		7	7
rs757081	11	17310391	NUCB2	NUCB2	5	0.7	0.91	0	rs55948574	C	T	0.02	0.18	0.38	0.26	rs55948574	11	17310390	rs55948574	Chromatin_Structure|DNase-seq		5	5
rs757081	11	17311811	NUCB2	NUCB2	1	0.58	0.99	0	rs214106	G	C	0.68	0.54	0.82	0.42	rs214106	11	17311810	rs214106	Single_Nucleotides|NUCB2|eQTL, Motifs|PWM|Freac-7, Moti	1f		1
rs757081	11	17313521	NUCB2	NUCB2	4	0.77	0.95	0	rs214105	A	G	0.02	0.18	0.39	0.26	rs214105	11	17313520	rs214105	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|		4	4
rs757081	11	17314784	NUCB2	NUCB2	7	0.77	0.95	0	rs214104	G	A	0.02	0.18	0.38	0.27	rs214104	11	17314783	rs214104	No data		7	7
rs757081	11	17316029	NUCB2	NUCB2	7	0.6	0.81	0	rs1330	C	T	0.16	0.3	0.4	0.32	rs1330	11	17316028	rs1330	No data		7	7
rs757081	11	17320797	NUCB2	NUCB2	6	0.59	0.99	0	rs10741725	G	T	0.68	0.54	0.82	0.41	rs10741725	11	17320796	rs10741725	Single_Nucleotides|NUCB2|eQTL, Single_Nucleotides|KCNJ		6	6
rs757081	11	17321422	NUCB2	NUCB2	7	0.58	0.99	0	rs7933137	T	G	0.68	0.54	0.83	0.42	rs7933137	11	17321421	rs7933137	No data		7	7
rs757081	11	17324948	NUCB2	NUCB2	6	0.77	0.94	0	rs56213534	A	G	0.03	0.18	0.38	0.27	rs56213534	11	17324947	rs56213534	Motifs|PWM|Arid5a, Motifs|PWM|Oct-1, Chromatin_Structure		6	6
rs757081	11	17333183	NUCB2	NUCB2	6	0.83	1	0	rs2521999	G	A	0.02	0.25	0.38	0.26	rs2521999	11	17333182	rs2521999	Motifs|PWM|MEF-2, Motifs|PWM|HeliosA		6	6
rs757081	11	17348878	NUCB2	NUCB2	7	0.64	0.82	0	rs34452722	G	T	0.06	0.36	0.4	0.31	rs34452722	11	17348877	rs34452722	No data		7	7
rs757081	11	17350394	NUCB2	NUCB2	7	0.83	1	0	rs1073443	C	T	0.03	0.25	0.38	0.26	rs1073443	11	17350393	rs1073443	No data		7	7
rs757081	11	17351683	NUCB2	NUCB2	2	1	1	1	rs757081	C	G	0.03	0.28	0.38	0.3	rs757081	11	17351682	rs757081	No data		7	2
rs757081	11	17360590	NUCB2	NUCB2	6	0.83	0.99	0	rs12575367	A	G	0.02	0.26	0.38	0.26	rs12575367	11	17360589	rs12575367	Motifs|PWM|C/EBPbeta, Motifs|PWM|Zbtb3, Motifs|PWM|C/E		6	6
rs757081	11	17365209	NUCB2	B7H6	7	0.83	1	0	rs2051773	A	G	0.03	0.25	0.38	0.26	rs2051773	11	17365208	rs2051773	No data		7	7
rs757081	11	17368013	NUCB2	B7H6	7	0.53	0.78	0	rs66807312	AG	A	0.03	0.31	0.34	0.33	rs66807312	11	17368012	n/a	No data		7	7
rs757081	11	17368017	NUCB2	B7H6	7	0.52	0.77	0	rs199518026	T	TC	0.03	0.31	0.34	0.32	rs199518026	11	17368016	n/a	No data		7	7
rs757081	11	17368018	NUCB2	B7H6	7	0.52	0.77	0	rs67951613	T	TAA,T	0.03	0.31	0.34	0.32	rs67951613	11	17368017	rs1548477	No data		7	7
rs757081	11	17368381	NUCB2	B7H6	6	0.53	0.91	0	rs7484027	T	A	0.53	0.48	0.37	0.4	rs7484027	11	17368380	rs7484027	Motifs|PWM|Tcf3		6	6
rs757081	11	17372443	NCR3LG1	B7H6	7	0.63	-0.88	0	rs7928810	C	A	0.96	0.68	0.63	0.66	rs7928810	11	17372442	rs7928810	No data		7	7
rs757081	11	17375260	NCR3LG1	B7H6	2	0.57	-0.87	0	rs10535629	GGCA	G	0.96	0.67	0.63	0.64	rs10535629	11	17375259	n/a	Motifs|Footprinting|Myf, Motifs|PWM|MYF, Motifs|PWM|Myf, M	2b		2
rs757081	11	17384498	NCR3LG1	B7H6	7	0.56	-0.83	0	rs12146443	T	C	0.96	0.68	0.63	0.66	rs12146443	11	17384497	rs12146443	No data		7	7
rs757081	11	17384542	NCR3LG1	B7H6	7	0.55	-0.82	0	rs12146652	C	A	0.94	0.68	0.62	0.66	rs12146652	11	17384541	rs12146652	No data		7	7
rs757081	11	17385224	NCR3LG1	B7H6	7	0.55	-0.82	0	rs10832776	C	A	0.95	0.68	0.63	0.66	rs10832776	11	17385223	rs10832776	No data		7	7
rs757081	11	17386733	NCR3LG1	B7H6	6	0.55	-0.82	0	rs4439492	C	T	0.95	0.68	0.63	0.66	rs4439492	11	17386732	rs4439492	Motifs|PWM|Oct-1		6	6
rs757081	11	17387982	NCR3LG1	B7H6	6	0.55	-0.82	0	rs11024268	A	G	0.96	0.68	0.63	0.66	rs11024268	11	17387981	rs11024268	Motifs|PWM|Pou5f1, Motifs|PWM|Oct-4(POU5F1)		6	6
rs757081	11	17389850	NCR3LG1	B7H6	5	0.55	-0.82	0	rs2051772	G	A	0.95	0.68	0.63	0.66	rs2051772	11	17389849	rs2051772	Motifs|PWM|CACD, Chromatin_Structure|DNase-seq		5	5
rs757081	11	17394073	NCR3LG1	B7H6	7	0.55	-0.82	0	rs10832778	C	G	0.96	0.68	0.63	0.66	rs10832778	11	17394072	rs10832778	No data		7	7
rs757081	11	17395540	NCR3LG1	B7H6	7	0.55	-0.82	0	rs11024271	T	C	0.96	0.68	0.63	0.66	rs11024271	11	17395539	rs11024271	No data		7	7
rs757081	11	17403639	RP1-239B22.5	KCNJ11	5	0.52	-0.82	0	rs1557765	T	C	0.95	0.68	0.62	0.65	rs1557765	11	17403638	rs1557765	Chromatin_Structure|DNase-seq		5	5
rs757081	11	17404839	RP1-239B22.5	KCNJ11	7	0.52	-0.82	0	rs10734252	G	A	0.96	0.68	0.62	0.65	rs10734252	11	17404838	rs10734252	No data		7	7
rs757081	11	17405617	RP1-239B22.5	KCNJ11	4	0.52	-0.81	0	rs1002226	C	T	0.91	0.67	0.62	0.65	rs1002226	11	17405616	rs1002226	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs3741378	11	65380124	MAP3K11	MAP3K11	4	0.52	0.93	0	rs1078457	C	T	0.05	0.14	0.27	0.19	rs1078457	11	65380123	rs1078457	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs3741378	11	65384727	PCNXL3	PCNXL3	2	0.56	0.99	0	rs12790427	C	T	0.26	0.38	0.43	0.2	rs12790427	11	65384726	rs12790427	Motifs|PWM|LXR, Motifs|Footprinting|sna, Motifs|Footprinting	2b		2
rs3741378	11	65406869	SIPA1	SIPA1	7	0.85	0.95	0	rs3782086	C	T	0.17	0.13	0.32	0.12	rs3782086	11	65406868	rs3782086	No data		7	7
rs3741378	11	65408937	SIPA1	SIPA1	1	1	1	1	rs3741378	C	T	0.32	0.14	0.35	0.13	rs3741378	11	65408936	rs3741378	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		5	1
rs3741378	11	65412974	SIPA1	SIPA1	5	1	1	0	rs12420618	C	G	0.32	0.34	0.4	0.13	rs12420618	11	65412973	rs12420618	Motifs|Footprinting|IRF2, Motifs|Footprinting|IRF-7, Motifs|PW		5	5
rs3741378	11	65414709	SIPA1	SIPA1	4	0.95	0.98	0	rs2075660	C	A	0.33	0.34	0.4	0.13	rs2075660	11	65414708	rs2075660	Motifs|Footprinting|Adf-1, Chromatin_Structure|DNase-seq, F		4	4
rs3741378	11	65422591	RELA	RELA	4	0.9	0.97	0	rs7119750	C	T	0.23	0.32	0.4	0.12	rs7119750	11	65422590	rs7119750	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|		4	4
rs3741378	11	65422853	RELA	RELA	5	0.9	0.97	0	rs11227247	A	C	0.32	0.34	0.4	0.12	rs11227247	11	65422852	rs11227247	Motifs|PWM|Zscan4, Motifs|PWM|Gm397, Chromatin_Structu		5	5
rs3741378	11	65427346	RELA	RELA	5	0.9	0.97	0	rs2306365	G	A	0.21	0.32	0.4	0.12	rs2306365	11	65427345	rs2306365	Motifs|Footprinting|Ikaros, Motifs|PWM|Ikaros, Chromatin_Str		5	5
rs3741378	11	65428302	RELA	RELA	7	0.89	0.96	0	rs4930158	G	T	0.21	0.31	0.39	0.12	rs4930158	11	65428301	rs4930158	No data		7	7
rs3741378	11	65431360	RELA	RELA	4	0.89	0.96	0	rs7101916	C	T	0.21	0.33	0.41	0.12	rs7101916	11	65431359	rs7101916	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se		4	4
rs3741378	11	65433189	RELA	RELA	7	0.89	0.96	0	rs1962691	A	G	0.2	0.31	0.4	0.12	rs1962691	11	65433188	rs1962691	No data		7	7
rs3741378	11	65435127	RELA	RELA	7	0.88	0.95	0	rs12419110	T	C	0.21	0.33	0.41	0.12	rs12419110	11	65435126	rs12419110	No data		7	7
rs3741378	11	65438215	RELA	RELA	7	0.89	0.96	0	rs56115979	C	T	0.21	0.31	0.41	0.12	rs56115979	11	65438214	rs56115979	No data		7	7
rs3741378	11	65440049	RELA	RELA	6	0.89	0.96	0	rs35927673	T	C	0.21	0.32	0.41	0.12	rs35927673	11	65440048	rs35927673	Motifs|PWM|PXR(PXR:RXR), Motifs|PWM|GCNF, Motifs|PWM		6	6
rs3741378	11	65440432	RELA	RELA	6	0.86	0.96	0	rs3862385	T	A	0.16	0.32	0.41	0.12	rs3862385	11	65440431	rs3862385	Motifs|PWM|Barx1, Motifs|PWM|Bcl6b, Motifs|PWM|BCL6, Mo		6	6
rs3741378	11	65446187	RELA	RELA	7	0.85	0.93	0	rs12794436	T	C	0.23	0.32	0.41	0.12	rs12794436	11	65446186	rs12794436	No data		7	7
rs3741378	11	65446379	RELA	RELA	6	0.86	0.94	0	rs12421369	T	C	0.21	0.31	0.4	0.12	rs12421369	11	65446378	rs12421369	Motifs|PWM|TP53, Motifs|PWM|p53		6	6
rs3741378	11	65447958	Metazoa_SRP	RELA	6	0.87	0.95	0	rs36113281	C	T	0.21	0.32	0.41	0.12	rs36113281	11	65447957	rs36113281	Motifs|PWM|Zfp691		6	6
rs3741378	11	65448559	Metazoa_SRP	RELA	7	0.87	0.95	0	rs12418630	C	T	0.21	0.32	0.41	0.12	rs12418630	11	65448558	rs12418630	No data		7	7
rs3741378	11	65448953	Metazoa_SRP	RELA	6	0.85	0.93	0	rs12418683	G	A	0.21	0.32	0.41	0.12	rs12418683	11	65448952	rs12418683	Motifs|PWM|ERRalpha, Motifs|PWM|Esrrb, Motifs|PWM|SF1		6	6
rs3741378	11	65449055	Metazoa_SRP	RELA	7	0.87	0.95	0	rs76397528	C	T	0.21	0.32	0.4	0.12	rs76397528	11	65449054	rs76397528	No data		7	7
rs3741378	11	65449594	Metazoa_SRP	RELA	6	0.87	0.95	0	rs4930299	G	C	0.21	0.32	0.41	0.12	rs4930299	11	65449593	rs4930299	Motifs|PWM|Zbtb3		6	6
rs3741378	11	65451660	Metazoa_SRP	RELA	7	0.87	0.95	0	rs35092037	A	G	0.22	0.32	0.41	0.12	rs35092037	11	65451659	rs35092037	No data		7	7
rs3741378	11	65452574	Metazoa_SRP	RELA	6	0.87	0.95	0	rs9787945	T	G	0.22	0.32	0.41	0.12	rs9787945	11	65452573	rs9787945	Motifs|Footprinting|FAC1, Motifs|PWM|Tcfap2e, Motifs|PWM|		6	6
rs3741378	11	65452602	Metazoa_SRP	RELA	7	0.87	0.95	0	rs9787873	C	T	0.22	0.32	0.41	0.12	rs9787873	11	65452601	rs9787873	No data		7	7
rs3741378	11	65453678	Metazoa_SRP	RELA	5	0.78	0.89	0	rs4578394	G	C	0.08	0.31	0.41	0.12	rs4578394	11	65453677	rs4578394	Chromatin_Structure|DNase-seq		5	5
rs3741378	11	65456685	Metazoa_SRP	KAT5	7	0.87	0.95	0	rs36028748	T	C	0.31	0.33	0.41	0.12	rs36028748	11	65456684	rs36028748	No data		7	7
rs3741378	11	65461544	Metazoa_SRP	KAT5	5	0.85	0.94	0	rs12421691	G	A	0.22	0.32	0.41	0.12	rs12421691	11	65461543	rs12421691	Protein_Binding|ChIP-seq|SPI1		5	5
rs3741378	11	65465236	Metazoa_SRP	KAT5	7	0.79	0.91	0	rs12420405	A	C	0.27	0.31	0.42	0.12	rs12420405	11	65465235	rs12420405	No data		7	7
rs3741378	11	65465597	Metazoa_SRP	KAT5	6	0.81	0.94	0	rs36091060	C	G	0.27	0.31	0.42	0.12	rs36091060	11	65465596	rs36091060	Motifs|Footprinting|GCN4, Motifs|Footprinting|MATa1, Motifs|		6	6
rs3741378	11	65466002	Metazoa_SRP	KAT5	6	0.81	0.94	0	rs12417989	C	T	0.16	0.31	0.42	0.12	rs12417989	11	65466001	rs12417989	Motifs|PWM|Hand1:E47		6	6
rs3741378	11	65471258	Metazoa_SRP	KAT5	6	0.81	0.94	0	rs7107503	T	C	0.18	0.31	0.42	0.12	rs7107503	11	65471257	rs7107503	Motifs|PWM|LUN-1		6	6
rs3741378	11	65471391	KAT5	KAT5	5	0.81	0.94	0	rs7122081	C	T	0.18	0.31	0.42	0.12	rs7122081	11	65471390	rs7122081	Motifs|PWM|Lyf-1, Motifs|Footprinting|Ikaros, Motifs|Footprint		5	5
rs3741378	11	65471422	KAT5	KAT5	5	0.81	0.94	0	rs7122098	C	G	0.17	0.31	0.42	0.12	rs7122098	11	65471421	rs7122098	Motifs|Footprinting|, Chromatin_Structure|DNase-seq		5	5
rs3741378	11	65471742	KAT5	KAT5	6	0.81	0.94	0	rs1963977	A	T	0.16	0.31	0.42	0.12	rs1963977	11	65471741	rs1963977	Motifs|PWM|Osr2, Motifs|PWM|Osr1		6	6
rs3741378	11	65472727	KAT5	KAT5	7	0.81	0.94	0	rs2127510	G	C	0.18	0.31	0.46	0.12	rs2127510	11	65472726	rs2127510	No data		7	7
rs3741378	11	65477963	KAT5	KAT5	7	0.81	0.94	0	rs12418567	G	A	0.17	0.31	0.41	0.12	rs12418567	11	65477962	rs12418567	No data		7	7
rs3741378	11	65481529	KAT5	KAT5	7	0.81	0.94	0	rs4645916	T	C	0.16	0.31	0.41	0.12	rs4645916	11	65481528	rs4645916	No data		7	7
rs3741378	11	65481640	KAT5	KAT5	7	0.72	0.93	0	rs4645917	G	A	0.01	0.07	0.0017	0.11	rs4645917	11	65481639	rs4645917	No data		7	7

rs3741378	11	65484719	KAT5	KAT5	4	0.79	0.93	0	rs2236683	C	A	0.02	0.09	0.24	0.11	rs2236683	11	65484718	rs2236683	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs3741378	11	65488673	RNASEH2C	RNASEH2C	7	0.74	0.88	0	rs55758897	C	T	0.18	0.33	0.41	0.12	rs55758897	11	65488672	rs55758897	No data	7	7
rs3741378	11	65492891	RNASEH2C	RNASEH2C	7	0.65	0.81	0	rs56236098	T	C	0.17	0.27	0.35	0.13	rs56236098	11	65492890	rs56236098	No data	7	7
rs3741378	11	65493162	RNASEH2C	RNASEH2C	7	0.63	0.83	0	rs4930308	C	A,G	0.17	0.31	0.38	0.12	rs4930308	11	65493161	rs4930308	No data	7	7
rs3741378	11	65499692	RNASEH2C	RNASEH2C	6	0.61	0.81	0	rs12361032	C	T	0.03	0.09	0.24	0.13	rs12361032	11	65499691	rs12361032	Motifs|PWM|Pitx2	6	6
rs3741378	11	65507741	RP11-770G2.2	RNASEH2C	7	0.61	0.81	0	rs11227287	G	C	0.09	0.1	0.24	0.13	rs11227287	11	65507740	rs11227287	No data	7	7
rs3741378	11	65520418	RP11-770G2.2	DKFZp761E198	7	0.58	0.78	0	rs34346253	AC	A	0.09	0.1	0.23	0.13	rs34346253	11	65520417	n/a	No data	7	7
rs3741378	11	65531222	RP11-770G2.2	DKFZp761E198	7	0.56	0.77	0	rs67265750	G	T	0.03	0.09	0.24	0.13	rs67265750	11	65531221	rs67265750	No data	7	7
rs3741378	11	65531412	RP11-770G2.2	DKFZp761E198	6	0.56	0.77	0	rs35727622	G	C	0.03	0.09	0.24	0.13	rs35727622	11	65531411	rs35727622	Motifs|PWM|GABPA, Motifs|PWM|ELK1, Motifs|PWM|NRF-2/	6	6
rs3741378	11	65549506	AP5B1	DKFZp761E198	5	0.51	0.73	0	rs61895678	C	G	0.18	0.1	0.24	0.13	rs61895678	11	65549505	rs61895678	Motifs|PWM|Ascl2, Chromatin_Structure|FAIRE, Chromatin_	5	5
rs3741378	11	65549813	AP5B1	DKFZp761E198	5	0.51	0.73	0	rs35696016	G	C	0.17	0.1	0.24	0.13	rs35696016	11	65549812	rs35696016	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs3741378	11	65551001	AP5B1	DKFZp761E198	5	0.51	0.73	0	rs34946581	G	A	0.18	0.1	0.24	0.13	rs34946581	11	65551000	rs34946581	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54417525	HOXC4	HOXC5	4	0.51	0.8	0	rs894738	G	A	0.13	0.31	0.45	0.37	rs894738	12	54417524	rs894738	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54417576	HOXC4	HOXC5	3	0.6	0.91	0	rs736825	C	G	0.32	0.31	0.65	0.39	rs736825	12	54417575	rs736825	Motifs|PWM|KROX, Chromatin_Structure|FAIRE, Chromatin_	3a	3
rs7297416	12	54418143	HOXC4	HOXC5	4	0.51	0.8	0	rs894737	A	C	0.13	0.31	0.45	0.37	rs894737	12	54418142	rs894737	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54418166	HOXC4	HOXC5	4	0.6	0.91	0	rs894736	A	G	0.4	0.34	0.65	0.39	rs894736	12	54418165	rs894736	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54418857	HOXC4	HOXC5	5	0.5	0.9	0	rs2077177	T	C	0.6	0.39	0.65	0.43	rs2077177	12	54418856	rs2077177	Protein_Binding|ChIP-exo|CTCF	5	5
rs7297416	12	54418920	HOXC4	HOXC5	6	0.51	0.8	0	rs754133	G	A	0.13	0.31	0.45	0.37	rs754133	12	54418919	rs754133	Motifs|PWM|TFIIA	6	6
rs7297416	12	54419910	HOXC4	HOXC5	5	0.51	0.8	0	rs12426399	G	T	0.13	0.31	0.45	0.37	rs12426399	12	54419909	rs12426399	Motifs|PWM|MAZR, Motifs|Footprinting|MAZR, Chromatin_St	5	5
rs7297416	12	54420098	HOXC4	HOXC5	4	0.52	0.8	0	rs4759318	C	T	0.13	0.31	0.45	0.36	rs4759318	12	54420097	rs4759318	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54420776	HOXC4	HOXC5	5	0.52	0.8	0	rs12319419	G	C	0.16	0.31	0.45	0.37	rs12319419	12	54420775	rs12319419	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54421476	HOXC4	HOXC5	5	0.54	0.83	0	rs10876528	C	A	0.25	0.32	0.46	0.37	rs10876528	12	54421475	rs10876528	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54421810	HOXC4	HOXC5	5	0.63	0.94	0	rs10876529	T	C	0.46	0.33	0.65	0.4	rs10876529	12	54421809	rs10876529	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54422043	HOXC4	HOXC5	3	0.55	0.84	0	rs200007816	ATATA	A	0.31	0.29	0.58	0.37	rs200007816	12	54422042	n/a	Motifs|PWM|Zfp128, Motifs|PWM|Tbp, Motifs|PWM|Oct-1, Ch	3a	3
rs7297416	12	54424123	HOXC4	HOXC6	2	0.52	0.82	0	rs7308105	T	C	0.29	0.31	0.45	0.38	rs7308105	12	54424122	rs7308105	Motifs|PWM|Zfx, Motifs|Footprinting|Zfx, Motifs|Footprinting|	2b	2
rs7297416	12	54424731	HOXC4	HOXC5	5	0.55	0.84	0	rs4759319	G	T	0.22	0.31	0.45	0.37	rs4759319	12	54424730	rs4759319	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54424872	HOXC4	HOXC5	4	0.64	0.95	0	rs10876530	T	C	0.47	0.33	0.64	0.4	rs10876530	12	54424871	rs10876530	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54425000	HOXC4	HOXC5	5	0.64	0.95	0	rs56270790	G	T	0.3	0.31	0.64	0.4	rs56270790	12	54424999	rs56270790	Motifs|Footprinting|, Chromatin_Structure|FAIRE, Chromatin	5	5
rs7297416	12	54425471	HOXC4	HOXC5	5	0.55	0.84	0	rs10747689	C	T	0.11	0.3	0.46	0.37	rs10747689	12	54425470	rs10747689	Motifs|Footprinting|UF1H3BETA, Motifs|PWM|UF1H3BETA, (	5	5
rs7297416	12	54428011	HOXC4	HOXC5	5	0.56	0.84	0	rs2071449	C	A	0.11	0.31	0.46	0.37	rs2071449	12	54428010	rs2071449	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54428532	HOXC4	HOXC5	4	0.65	0.95	0	rs2071450	C	T	0.46	0.33	0.64	0.39	rs2071450	12	54428531	rs2071450	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54428747	HOXC4	HOXC5	4	0.56	0.84	0	rs61921797	G	A	0.24	0.31	0.46	0.37	rs61921797	12	54428746	rs61921797	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs7297416	12	54429385	HOXC4	HOXC4	5	0.56	0.84	0	rs12422600	G	A	0.13	0.31	0.46	0.37	rs12422600	12	54429384	rs12422600	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54432997	HOXC4	HOXC4	4	0.57	0.88	0	rs765634	A	G	0.31	0.31	0.63	0.39	rs765634	12	54432996	rs765634	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54433011	HOXC4	HOXC4	4	0.51	0.79	0	rs4759320	G	C	0.1	0.32	0.44	0.36	rs4759320	12	54433010	rs4759320	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54433483	HOXC4	HOXC4	4	0.82	0.93	0	rs12426667	A	C	0.32	0.29	0.46	0.31	rs12426667	12	54433482	rs12426667	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs7297416	12	54434277	HOXC4	HOXC4	4	0.84	0.95	0	rs6580970	C	T	0.24	0.28	0.45	0.3	rs6580970	12	54434276	rs6580970	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs7297416	12	54434908	HOXC4	HOXC4	5	0.95	0.98	0	rs4759062	C	T	0.39	0.29	0.64	0.32	rs4759062	12	54434907	rs4759062	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54435716	HOXC4	HOXC4	7	0.93	0.97	0	rs67772913	A	G	0.54	0.28	0.64	0.32	rs67772913	12	54435715	rs67772913	No data	7	7
rs7297416	12	54435811	HOXC4	HOXC4	7	0.54	0.99	0	rs113897279	A	G	0.6	0.46	0.8	0.46	rs113897279	12	54435810	rs113897279	No data	7	7
rs7297416	12	54437748	HOXC4	HOXC4	5	0.87	0.97	0	rs201654182	GTGT	G	0.48	0.27	0.57	0.3	rs201654182	12	54437747	n/a	Motifs|PWM|RREB1, Motifs|Footprinting|RREB1, Chromatin	5	5
rs7297416	12	54437752	HOXC4	HOXC4	5	0.95	0.98	0	rs7136889	T	G	0.54	0.29	0.63	0.32	rs7136889	12	54437751	rs7136889	Motifs|PWM|RREB1, Motifs|Footprinting|RREB1, Chromatin	5	5
rs7297416	12	54440348	HOXC4	HOXC4	5	0.99	1	0	rs7315688	G	A	0.54	0.29	0.63	0.32	rs7315688	12	54440347	rs7315688	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54440445	HOXC4	HOXC4	5	0.99	1	0	rs7315495	A	T	0.54	0.29	0.63	0.32	rs7315495	12	54440444	rs7315495	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54441498	HOXC4	HOXC4	4	0.89	1	0	rs7134677	C	T	0.26	0.27	0.44	0.29	rs7134677	12	54441497	rs7134677	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs7297416	12	54443090	HOXC4	HOXC4	5	1	1	1	rs7297416	A	C	0.4	0.29	0.63	0.32	rs7297416	12	54443089	rs7297416	Chromatin_Structure|DNase-seq	5	5
rs7297416	12	54443718	HOXC4	HOXC4	5	0.99	1	0	rs10876531	A	C	0.4	0.29	0.63	0.32	rs10876531	12	54443717	rs10876531	Motifs|Footprinting|DMRT7, Motifs|Footprinting|DMRT4, Motif	5	5
rs7297416	12	54445215	HOXC4	HOXC4	2	0.79	0.95	0	rs199718335	A	AC	0.5	0.28	0.63	0.29	rs199718335	12	54445214	n/a	Motifs|PWM|RREB1, Motifs|Footprinting|RREB1, Chromatin	2b	2
rs7297416	12	54445218	HOXC4	HOXC4	2	0.8	0.96	0	rs11413924	C	CT	0.5	0.28	0.63	0.29	rs11413924	12	54445217	rs72519948	Motifs|Footprinting|RREB-1, Motifs|PWM|RREB1, Motifs|Foot	2b	2
rs1036477	15	48691494	FBN1	FBN1	7	0.61	0.84	0	rs61999107	C	T	0.18	0.07	0.03	0.11	rs61999107	15	48691493	rs61999107	No data	7	7
rs1036477	15	48693034	FBN1	FBN1	7	0.65	0.84	0	rs36029774	C	T	0.19	0.07	0.06	0.11	rs36029774	15	48693033	rs36029774	No data	7	7
rs1036477	15	48696347	FBN1	FBN1	6	0.68	0.86	0	rs79973522	T	C	0.18	0.08	0.06	0.11	rs79973522	15	48696346	rs79973522	Motifs|PWM|Irx6, Motifs|PWM|FOXP3, Motifs|PWM|Sox7, Mot	6	6
rs1036477	15	48699486	FBN1	FBN1	5	0.71	0.89	0	rs16960886	G	A	0.15	0.06	0.03	0.11	rs16960886	15	48699485	rs16960886	Motifs|PWM|ICSBP, Motifs|PWM|STAT1, Motifs|PWM|ISGF-3	5	5
rs1036477	15	48715237	FBN1	FBN1	6	0.72	0.9	0	rs11636344	C	G	0.21	0.08	0.06	0.11	rs11636344	15	48715236	rs11636344	Motifs|PWM|Hoxd13	6	6
rs1036477	15	48716853	FBN1	FBN1	4	0.71	0.89	0	rs2015637	T	C	0.21	0.08	0.06	0.11	rs2015637	15	48716852	rs2015637	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs1036477	15	48726179	FBN1	FBN1	7	0.69	0.91	0	rs35349206	C	A	0.21	0.07	0.06	0.1	rs35349206	15	48726178	rs35349206	No data	7	7
rs1036477	15	48729030	FBN1	FBN1	6	0.72	0.92	0	rs363820	T	C	0.17	0.06	0.05	0.11	rs363820	15	48729029	rs363820	Motifs|PWM|Pbx1	6	6
rs1036477	15	48737340	FBN1	FBN1	6	0.72	0.9	0	rs199516630	CACA	C	0.2	0.06	0.06	0.11	rs199516630	15	48737339	n/a	Motifs|PWM|FOXP1	6	6
rs1036477	15	48741401	FBN1	FBN1	6	0.72	0.93	0	rs79307111	G	A	0.04	0.04	0	0.1	rs79307111	15	48741400	rs79307111	Motifs|PWM|NRSF	6	6
rs1036477	15	48755472	FBN1	FBN1	6	0.74	0.94	0	rs77105137	G	A	0.03	0.04	0	0.1	rs77105137	15	48755471	rs77105137	Motifs|PWM|Staf, Chromatin_Structure|FAIRE	6	6
rs1036477	15	48755814	FBN1	FBN1	5	0.74	0.92	0	rs56286136	T	C	0.26	0.06	0.05	0.11	rs56286136	15	48755813	rs56286136	Motifs|PWM|Dlx3, Protein_Binding|ChIP-seq|AR	5	5
rs1036477	15	48758527	FBN1	FBN1	5	0.75	0.93	0	rs55999498	T	C	0.26	0.06	0.05	0.11	rs55999498	15	48758526	rs55999498	Chromatin_Structure|DNase-seq	5	5
rs1036477	15	48763754	FBN1	FBN1	7	0.72	0.9	0	rs7174973	A	G	0.34	0.06	0.03	0.11	rs7174973	15	48763753	rs7174973	No data	7	7
rs1036477	15	48772843	FBN1	FBN1	6	0.74	0.92	0	rs11638586	T	C	0.04	0.05	0	0.11	rs11638586	15	48772842	rs11638586	Motifs|PWM|Sox18, Motifs|PWM|Sox13, Motifs|PWM|Sox7, M	6	6
rs1036477	15	48780504	FBN1	FBN1	5	0.76	0.93	0	rs143836403	TTAAA	T	0.04	0.04	0	0.11	rs143836403	15	48780503	n/a	Protein_Binding|ChIP-seq|IKZF1	5	5
rs1036477	15	48785206	FBN1	FBN1	7	0.77	0.94	0	rs75225368	C	T	0.04	0.05	0	0.11	rs75225368	15	48785205	rs75225368	No data	7	7
rs1036477	15	48786917	FBN1	FBN1	5	0.77	0.94	0	rs11635605	C	T	0.04	0.05	0	0.11	rs11635605	15	48786916	rs11635605	Chromatin_Structure|DNase-seq	5	5
rs1036477	15	48787245	FBN1	FBN1	7	0.77	0.94	0	rs6493325	T	C	0.23	0.06	0	0.11	rs6493325	15	48787244	rs6493325	No data	7	7
rs1036477	15	48792623	FBN1	FBN1	6	0.77	0.94	0	rs150854172	GA	G	0.07	0.05	0	0.11	rs150854172	15	48792622	n/a	Motifs|PWM|Nkx1-1, Motifs|PWM|Lhx8, Motifs|PWM|Msx2	6	6
rs1036477	15	48793615	FBN1	FBN1	2	0.77	0.94	0	rs77360718	C	T	0.08	0.05	0	0.11	rs77360718	15	48793614	rs77360718	Motifs|Footprinting|ZNF515, Motifs|PWM|ZNF515, Motifs|PW	2b	2
rs1036477	15	48795436	FBN1	FBN1	7	0.75	0.92	0	rs113741266	G	C	0.04	0.05	0	0.11	rs113741266	15	48795435	rs113741266	No data	7	7
rs1036477	15	48801804	FBN1	FBN1	6	0.77	0.94	0	rs7169657	A	G	0.38	0.06	0	0.11	rs7169657	15	48801803	rs7169657	Motifs|PWM|Irx-3, Motifs|PWM|Irx4, Motifs|PWM|Irx6, Motifs|P	6	6
rs1036477	15	48804722	FBN1	FBN1	7	0.8	0.97	0	rs74330176	G	C	0.39	0.06	0	0.11	rs74330176	15	48804721	rs74330176	No data	7	7
rs1036477	15	48806027	FBN1	FBN1	4	0.8	0.97	0	rs8034829	T	C	0.39	0.06	0	0.11	rs8034829	15	48806026	rs8034829	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs1036477	15	48806539	FBN1	FBN1	7	0.8	0.97	0	rs16961065	C	T	0.35	0.06	0	0.11	rs16961065	15	48806538	rs16961065	No data	7	7
rs1036477	15	48808830	FBN1	FBN1	7	0.77	0.94	0	rs57829342	T	C	0.39	0.06	0	0.11	rs57829342	15	48808829	rs57829342	No data	7	7
rs1036477	15	48809428	FBN1	FBN1	7	0.77	0.94	0	rs6493327	G	A	0.39	0.06	0	0.11	rs6493327	15	48809427	rs6493327	No data	7	7
rs1036477	15	48810941	FBN1	FBN1	6	0.77	0.94	0	rs111297611	T	A	0.04	0.05	0	0.11	rs111297611	15	48810940	rs111297611	Motifs|PWM|Elf3, Motifs|PWM|Srf	6	6
rs1036477	15	48814297	FBN1	FBN1	6	0.77	0.94	0	rs11634611	G	A	0.39	0.06	0	0.11	rs11634611	15	48814296	rs11634611	Motifs|PWM|Ik-2	6	6
rs1036477	15	48819125	FBN1	FBN1	7	0.81	0.95	0	rs59343375	C	T	0.35	0.06	0.0035	0.11	rs59343375	15	48819124	rs59343375	No data	7	7
rs1036477	15	48821350	FBN1	FBN1	7	0.82	0.96	0	rs7170686	G	A	0.44	0.06	0	0.11	rs7170686	15	48821349	rs7170686	No data	7	7
rs1036477	15	48823770	FBN1	FBN1	6	0.8	0.93	0	rs8026752	A	G	0.45	0.07	0	0.11	rs8026752	15	48823769	rs8026752	Motifs|PWM|BCL6	6	6
rs1036477	15	48840835	FBN1	FBN1	5	0.84	0.97	0	rs595244	C	T	0.05	0.04	0	0.11	rs595244	15	48840834	rs595244	Chromatin_Structure|DNase-seq	5	5
rs1036477	15	48848130	FBN1	FBN1	5	0.86	0.97	0	rs685091	T	C	0.46	0.06	0	0.11	rs685091	15	48848129	rs685091	Motifs|PWM|RelB:p52(NF-kappaB), Motifs|PWM|Zfp281, Chr	5	5
rs1036477	15	48858971	FBN1	FBN1	2	0.86	0.97	0	rs1561207	G	T	0.04	0.04	0	0.11	rs1561207	15	48858970	rs1561207	Motifs|PWM|PPAR=HNF-4=COUP=RAR, Motifs|PWM|PPAR(	2b	2
rs1036477	15	48859966	FBN1	FBN1	6	0.86	-0.97	0	rs10744953	T	C	0.54	0.94	1	0.89	rs10744953	15	48859965	rs10744953	Motifs|PWM|MEIS1A:HOXA9	6	6
rs1036477	15	48862043	FBN1	FBN1	7	0.87	0.97	0	rs75385625	G	A	0.62	0.12	0.27	0.11	rs75385625	15	48862042	rs1848050	No data	7	7
rs1036477	15	48864540	FBN1	FBN1	6	0.87	-0.97	0	rs34552450	TA	T	0.47	0.93	1	0.89	rs34552450	15	48864539	n/a	Motifs|PWM|Glis2	6	6
rs1036477	15	48876881	FBN1	FBN1	5	0.88	0.99	0	rs2437947	T	A	0.04	0.04	0.0035	0.11	rs2437947	15	48876880	rs2437947	Chromatin_Structure|DNase-seq	5	5
rs1036477	15	48879291	FBN1	FBN1	5	0.88	0.99	0	rs627634	C	T	0.04	0.04	0	0.11	rs627634	15	48879290	rs627634	Chromatin_Structure|DNase-seq	5	5
rs1036477	15	48883939	FBN1	FBN1	7	0.89	-0.99	0	rs1818275	C	T	0.96	0.96	1	0.89	rs1818275	15	48883938	rs1818275	No data	7	7
rs1036477	15	48885005	FBN1	FBN1	5	0.89	0.99	0	rs686861	A	G	0.1	0.05	0	0.11	rs686861	15	48885004	rs686861	Motifs|Footprinting|CDPCR3, Motifs|PWM|CDPCR3, Chroma	5	5
rs1036477	15	48885877	FBN1	FBN1	7	0.89	0.99	0	rs2456475	G	A	0.04	0.04	0	0.11	rs2456475	15	48885876	rs2456475	No data	7	7
rs1036477	15	48891107	FBN1	FBN1	5	0.89	0.99	0	rs655015	T	C	0.1	0.04	0	0.11	rs655015	15	48891106	rs655015	Motifs|PWM|STAT3:STAT3, Motifs|PWM|STATx, Chromatin_	5	5
rs1036477	15	48891771	FBN1	FBN1	5	0.89	0.99	0	rs682737	G	A	0.04	0.04	0	0.11	rs682737	15	48891770	rs682737	Motifs|PWM|C/EBP, Motifs|Footprinting|HSF2, Motifs|PWM|H	5	5
rs1036477	15	48893649	FBN1	FBN1	7	0.89	0.99	0	rs2455925	T	C	0.07	0.05	0	0.11	rs2455925	15	48893648	rs2455925	No data	7	7
rs1036477	15	48894200	FBN1	FBN1	5	0.89	0.99	0	rs591519	A	T	0.12	0.05	0	0.11	rs591519	15	48894199	rs591519	Motifs|PWM|Hbp1, Protein_Binding|ChIP-seq|IKZF1	5	5
rs1036477	15	48897282	FBN1	FBN1	7	0.9	1	0	rs636178	C	T	0.04	0.05	0	0.11	rs636178	15	48897281	rs636178	No data	7	7
rs1036477	15	48899399	FBN1	FBN1	7	0.9	1	0	rs2466790	G	A	0.04	0.04	0	0.11	rs2466790	15	48899398	rs2466790	No data	7	7
rs1036477	15	48900097	FBN1	FBN1	7	0.9	1	0	rs1678981	C	T	0.04	0.04	0	0.11	rs1678981	15	48900096	rs1678981	No data	7	7
rs1036477	15	48901420	FBN1	FBN1	7	0.9	1	0	rs1678982	C	G	0.13	0.05	0	0.11	rs1678982	15	48901419	rs1678982	No data	7	7
rs1036477	15	48903126	FBN1	FBN1	6	0.9	-1	0	rs1018148	A	G	0.96	0.96	1	0.89	rs1018148	15	48903125	rs1018148	Motifs|PWM|Rxra	6	6
rs1036477	15	48914775	FBN1	FBN1	5	0.9	1	0	rs1036476	T	C	0.04	0.05	0	0.11	rs1036476	15	48914774	rs1036476	Chromatin_Structure|DNase-seq	5	5
rs1036477	15	48914926	FBN1	FBN1	6	1	1	1	rs1036477	A	G	0.6	0.12	0.32	0.12	rs1036477	15	48914925	rs1036477	Motifs|PWM|Gata3, Motifs|PWM|Mrg2, Motifs|PWM|Gata6, M	6	6
rs1036477	15	48915884	FBN1	FBN1	6	1	1	0	rs2118181	T	C	0.55	0.11	0.32	0.12	rs2118181	15	48915883	rs2118181	Motifs|PWM|Esrra, Motifs|PWM|POU3F2	6	6
rs1036477	15	48919103	FBN1	FBN1	6	0.9	1	0	rs2028109	A	C	0.04	0.05	0	0.11	rs2028109	15	48919102	rs2028109	Motifs|PWM|Hoxd13, Motifs|PWM|Tbp	6	6
rs1036477	15	48922360	FBN1	FBN1	5	0.89	1	0	rs689304	C	T	0.06	0.05	0	0.11	rs689304	15	48922359	rs689304	Motifs|PWM|Octamer, Motifs|PWM|OCT-x, Motifs|PWM|Pit-1,	5	5
rs1036477	15	48926202	FBN1	FBN1	6	0.89	1	0	rs625034	T	C	0.04	0.05	0	0.11	rs625034	15	48926201	rs625034	Motifs|PWM|Tcf7, Motifs|PWM|Dbx1, Motifs|PWM|Tlx2, Motifs	6	6
rs1036477	15	48930645	FBN1	FBN1	6	0.96	0.99	0	rs1678983	T	C	0.61	0.08	0.04	0.12	rs1678983	15	48930644	rs1678983	Motifs|PWM|NF-AT, Motifs|PWM|AIRE	6	6
rs1036477	15	48939046	RP11-227D13.1	FBN1	5	0.51	-0.86	0	rs6493333	T	C	0.79	0.84	0.87	0.83	rs6493333	15	48939045	rs6493333	Motifs|PWM|Evi-1, Motifs|Footprinting|Evi-1, Chromatin_Struc	5	5
rs1036477	15	48939888	RP11-227D13.1	FBN1	7	0.87	-1	0	rs4775769	T	G	0.97	0.96	1	0.89	rs4775769	15	48939887	rs4775769	No data	7	7
rs1036477	15	48941542	RP11-227D13.1	FBN1	3	0.51	-0.86	0	rs201351682	TTC	T	0.78	0.83	0.86	0.83	rs201351682	15	48941541	n/a	Motifs|PWM|FOXP1, Motifs|PWM|Srf, Motifs|PWM|Zfp105, Cl	3a	3
rs1036477	15	48944272	RP11-227D13.1	FBN1	7	0.51	-0.86	0	rs2289136	G	A	0.7	0.83	0.87	0.83	rs2289136	15	48944271	rs2289136	No data	7	7
rs1036477	15	48944563	RP11-227D13.1	FBN1	7	0.51	-0.86	0	rs4775770	A	G	0.88	0.85	0.86	0.83	rs4775770	15	48944562	rs4775770	No data	7	7
rs33063	16	69548788	CYB5B	CYB5B	7	0.7	0.86	0	rs7200764	T	C	0.95	0.88	0.94	0.87	rs7200764	16	69548787	rs7200764	No data	7	7
rs33063	16	69559696	NFAT5	NFAT5	7	0.78	0.9	0	rs4783720	C	T	0.98	0.88	0.93	0.86	rs4783720	16	69559695	rs4783720	No data	7	7
rs33063	16	69563890	NFAT5	NFAT5	4	0.8	0.91	0	rs7193778	C	T	0.99	0.88	0.92	0.86	rs7193778	16	69563889	rs7193778	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs33063	16	69564247	NFAT5	NFAT5	7	0.53	0.88	0	rs13331120	A	G	0.95	0.86	0.9	0.8	rs13331120	16	69564246	rs13331120	No data	7	7
rs33063	16	69578482	NFAT5	NFAT5	7	0.85	0.93	0	rs8062941	A	G	0.97	0.88	0.91	0.85	rs8062941	16	69578481	rs8062941	No data	7	7
rs33063	16	69590366	NFAT5	NFAT5	1	0.87	0.94	0	rs1549287	A	G	0.97	0.88	0.91	0.86	rs1549287	16	69590365	rs1549287	Single_Nucleotides|LOC283970|eQTL, Protein_Binding|ChIP	1f	1
rs33063	16	69591167	NFAT5	NFAT5	7	0.85	0.93	0	rs11644997	T	C	0.97	0.87	0.91	0.85	rs11644997	16	69591166	rs11644997	No data	7	7
rs33063	16	69591283	NFAT5	NFAT5	5	0.73	0.93	0	rs1972658	C	A	0.96	0.85	0.9	0.83	rs1972658	16	69591282	rs1972658	Motifs|PWM|FOXP1, Motifs|PWM|AIRE, Protein_Binding|ChIP	5	5
rs33063	16	69591580	NFAT5	NFAT5	7	0.87	0.94	0	rs1465451	A	G	0.99	0.88	0.91	0.86	rs1465451	16	69591579	rs1465451	No data	7	7
rs33063	16	69599803	NFAT5	NFAT5	4	0.8	0.92	0	rs8048032	A	G	0.93	0.85	0.9	0.85	rs8048032	16	69599802	rs8048032	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	4	4
rs33063	16	69610002	NFAT5	NFAT5	7	1	1	0	rs244423	A	G	0.98	0.88	0.9	0.86	rs244423	16	69610001	rs244423	No data	7	7
rs33063	16	69617513	NFAT5	NFAT5	1	1	1	0	rs244422	C	G	0.97	0.88	0.91	0.86	rs244422	16	69617512	rs244422	Single_Nucleotides|LOC283970|eQTL, Chromatin_Structure|	1f	1
rs33063	16	69619388	NFAT5	NFAT5	6	1	1	0	rs168637	T	G	0.99	0.88	0.91	0.86	rs168637	16	69619387	rs168637	Motifs|PWM|CDP, Motifs|PWM|Zfp281	6	6
rs33063	16	69631748	NFAT5	NFAT5	6	0.99	1	0	rs33060	A	G	0.97	0.87	0.88	0.86	rs33060	16	69631747	rs33060	Motifs|PWM|E2A, Motifs|Footprinting|MyoD, Motifs|PWM|Myo	6	6
rs33063	16	69633245	NFAT5	NFAT5	7	0.96	1	0	rs33061	T	C	0.97	0.88	0.88	0.85	rs33061	16	69633244	rs33061	No data	7	7
rs33063	16	69639771	NFAT5	NFAT5	6	0.92	1	0	rs33062	T	A,C,G	0.95	0.87	0.89	0.85	rs33062	16	69639770	rs33062	Motifs|PWM|Lmo2complex	6	6
rs33063	16	69640217	NFAT5	NFAT5	6	1	1	1	rs33063	A	G	0.99	0.88	0.91	0.86	rs33063	16	69640216	rs33063	Single_Nucleotides|LOC283970|eQTL, Motifs|PWM|Sox17, M	6	6
rs33063	16	69646778	NFAT5	NFAT5	6	0.86	0.99	0	rs244414	G	A	0.97	0.87	0.9	0.84	rs244414	16	69646777	rs244414	Motifs|PWM|Elf3, Motifs|PWM|Srf	6	6
rs33063	16	69653696	NFAT5	NFAT5	1	0.97	0.99	0	rs39999	C	G	0.97	0.88	0.91	0.86	rs39999	16	69653695	rs39999	Single_Nucleotides|LOC283970|eQTL, Motifs|PWM|REST, C	1d	1
rs33063	16	69656889	NFAT5	NFAT5	7	0.97	0.99	0	rs190282	G	A	0.98	0.88	0.9	0.86	rs190282	16	69656888	rs190282	No data	7	7
rs33063	16	69657656	NFAT5	NFAT5	6	0.9	0.99	0	rs244419	T	C	0.98	0.87	0.89	0.85	rs244419	16	69657655	rs244419	Motifs|PWM|Zfx, Motifs|PWM|GATA-1, Motifs|Footprinting|Zfx	6	6
rs33063	16	69665208	NFAT5	NFAT5	7	0.86	0.97	0	rs244416	T	C	0.97	0.87	0.9	0.85	rs244416	16	69665207	rs244416	No data	7	7
rs33063	16	69691859	NFAT5	NFAT5	7	0.89	-0.95	0	rs62049971	G	A	0.02	0.12	0.11	0.14	rs62049971	16	69691858	rs62049971	No data	7	7
rs33063	16	69695643	NFAT5	NFAT5	6	0.89	-0.95	0	rs72783110	G	A	0.01	0.12	0.12	0.14	rs72783110	16	69695642	rs72783110	Motifs|PWM|Foxj1, Motifs|PWM|Zfp105	6	6
rs33063	16	69697615	NFAT5	NFAT5	5	0.89	-0.95	0	rs72783112	A	C	0.03	0.12	0.1	0.14	rs72783112	16	69697614	rs72783112	Motifs|PWM|Tcfap2e, Chromatin_Structure|DNase-seq	5	5
rs33063	16	69700201	NFAT5	NFAT5	6	0.87	-0.94	0	rs62049973	A	G	0.01	0.12	0.1	0.14	rs62049973	16	69700200	rs62049973	Motifs|PWM|RFX1	6	6
rs33063	16	69701487	NFAT5	NFAT5	7	0.87	-0.95	0	rs17298067	G	C	0.01	0.12	0.1	0.15	rs17298067	16	69701486	rs17298067	No data	7	7
rs33063	16	69711888	NFAT5	NFAT5	6	0.87	-0.94	0	rs62049974	T	G	0.01	0.12	0.1	0.14	rs62049974	16	69711887	rs62049974	Motifs|PWM|Zfp187	6	6
rs33063	16	69737468	RP11-311C24.1	NFAT5	1	0.85	-0.92	0	rs9980	C	G	0.01	0.12	0.09	0.14	rs9980	16	69737467	rs9980	Single_Nucleotides|LOC283970|eQTL, Motifs|PWM|HOXA3,	1f	1
rs33063	16	69737908	RP11-311C24.1	NFAT5	5	0.85	-0.92	0	rs1043470	C	T	0.01	0.12	0.1	0.14	rs1043470	16	69737907	rs1043470	Chromatin_Structure|FAIRE, Chromatin_Structure|DNase-se	5	5
rs33063	16	69742387	NQO1	NQO1	6	0.82	-0.9	0	rs56125990	A	G	0.01	0.12	0.1	0.14	rs56125990	16	69742386	rs56125990	Motifs|PWM|NF-muE1, Motifs|PWM|YY1	6	6
rs33063	16	69763280	CTD-2033A16.3	NQO1	7	0.77	-0.89	0	rs113441031	C	T	0.01	0.12	0.1	0.15	rs113441031	16	69763279	rs113441031	No data	7	7
rs33063	16	69765524	CTD-2033A16.3	NQO1	7	0.74	-0.87	0	rs12149228	C	T	0.01	0.12	0.1	0.15	rs12149228	16	69765523	rs12149228	No data	7	7
rs33063	16	69770032	CTD-2033A16.3	NOB1	7	0.74	-0.87	0	rs138993217	G	A	0.01	0.12	0.1	0.15	rs138993217	16	69770031	n/a	No data	7	7
rs33063	16	69775500	CTD-2033A16.3	NOB1	1	0.71	-0.86	0	rs17299478	C	T	0.01	0.12	0.1	0.15	rs17299478	16	69775499	rs17299478	Single_Nucleotides|LOC283970|eQTL, Chromatin_Structure|	1f	1
rs33063	16	69789196	NOB1	NOB1	4	0.66	-0.83	0	rs56259873	C	T	0.01	0.12	0.1	0.15	rs56259873	16	69789195	rs56259873	Chromatin_Structure|DNase-seq, Protein_Binding|ChIP-seq|	4	4
rs33063	16	69795323	WWP2	WWP2	6	0.59	-0.82	0	rs56140069	A	T	0.01	0.15	0.1	0.16	rs56140069	16	69795322	rs56140069	Motifs|PWM|Mafb, Motifs|PWM|POU5F1	6	6
rs33063	16	69802865	WWP2	WWP2	7	0.59	-0.82	0	rs62050038	A	T	0.01	0.15	0.11	0.16	rs62050038	16	69802864	rs62050038	No data	7	7
rs33063	16	69818983	WWP2	WWP2	6	0.59	-0.81	0	rs113420661	A	G	0.01	0.14	0.1	0.16	rs113420661	16	69818982	rs113420661	Motifs|PWM|MEF-2, Chromatin_Structure|FAIRE	6	6

CHR = chromosome
r^2 = LD between the lead SNP and the query SNP
D' = d-prime
ref = reference allele
alt = alternative allele
AFR = frequency in the african population
AMR = ad-mixed american
ASN = asian
EUR = european
GERP_cons = conservation score in multi-species alignment
SiPhy_cons = conservation score according to SiPhy
Each annotation comes from two sources: GERP/SyPhy; GENCODE/Roadmap ; GENCODE/RefSeq

Table S6. ENCODE supporting data on BP associated SNPs

Sentinel SNP	Chr	Genome position (hg19)	Highest scoring Proxy SNP	Combined funcitonal score	r2 LD	D' LD	RegulomeDB a	Gene ID	Entrez_ID	Cardiovascular Disease (MESH)	Vascular Disease (MESH)	Hypertension (MESH)	Regulation of Blood Pressure (GO)	direct interactor with Hypertension MESH gene	MESH candidate	Functional Candidate (<4 score)	Literature Candidate	Druggable annotation
rs1682312	2	183210447	rs864417	5	0.77	0.93	Chromatin_Str	PDE1A	5136	.	.	.	.	.	No	No	Yes	Class 2: tools availabl
rs2854275	6	32623223	rs9273327	1	0.59	0.77	Single_Nucleo	HLA-DQB1	3119	.	.	.	.	.	No	Yes	Yes	Non-druggable
rs2854275	6	32713862	rs2854275	eQTL				HLA-DRB4	3126	.	.	.	.	.	No	Yes	No	Non-druggable
rs2282978	7	92264410	rs2282978	2	1	1	Motifs|PWM|L	CDK6	1021	.	.	y	.	Y	Yes	Yes	Yes	Class 2:tools available
rs1022400	7	151403260	rs57807319	2	0.77	0.91	Motifs|Footprir	PRKAG2	51422	.	.	.	.	Y	Yes	Yes	Yes	Non-druggable
rs4746172	10	75853796	rs10824069	5	0.98	1	Motifs|PWM|P	VCL	7414	.	.	.	.	Y	Yes	No	Yes	Class 4 :predicted dru
rs4746172	10	75883129	rs201890718	3	0.92	0.96	Motifs|PWM|R	AP3M1	26985	.	.	.	.	Y	Yes	Yes	No	Non-druggable
rs4746172	10	75911680	rs3812639	2	0.5	0.96	Motifs|PWM|F	ADK	132	.	.	.	.	Y	Yes	Yes	No	Class 2:tools available
rs217727	11	1973484	rs217727	eQTL				AK126915		.	.	.	.	.	No	Yes	No	Non-druggable
rs217727	11	2002472	rs10840140	4	0.7	0.93	Motifs|Footprir	MRPL23	6150	.	.	.	.	.	No	No	No	Non-druggable
rs217727	11	2011205	rs11564745	2	0.52	0.83	Motifs|PWM|Z	MRPL23-AS1	1E+08	.	.	.	.	.	No	Yes	No	Non-druggable
rs217727	11	2021980	rs2525883	2	0.79	0.91	Motifs|Footprir	H19	283120	.	.	.	.	Y	Yes	Yes	Yes	Non-druggable
rs757081	11	17230850	rs140613036	2	0.5	0.74	Motifs|PWM|C	PIK3C2A	5286	.	.	.	.	.	No	Yes	No	Class 3:Gene Related
rs757081	11	17260918	rs10832750	1	0.52	0.83	Single_Nucleo	NUCB2	4925	.	.	.	.	Y	Yes	Yes	Yes	Class 4 :predicted dru
rs757081	11	17308259	rs757081	eQTL				SNORD14A	26822	.	.	.	.	.	No	Yes	No	Non-druggable
rs757081	11	17375260	rs10535629	2	0.57	-0.87	Motifs|Footprir	NCR3LG1	374383	.	.	.	.	.	No	Yes	No	Class 4 :predicted dru
rs757081	11	17405617	rs1002226	4	0.52	-0.81	Chromatin_Str	KCNJ11	3767	Y	.	Y	.	Y	Yes	No	Yes	Class 1:Drug on Mark
rs3741378	11	65380124	rs1078457	4	0.52	0.93	Chromatin_Str	MAP3K11	4296	.	.	.	.	Y	Yes	No	No	Class 2:tools available
rs3741378	11	65384727	rs12790427	2	0.56	0.99	Motifs|PWM|L	PCNXL3	399909	.	.	.	.	.	No	Yes	No	Class 4 :predicted dru
rs3741378	11	65408937	rs3741378	1	1	1	Chromatin_Str	SIPA1	6494	.	.	.	.	.	No	Yes	No	Non-druggable
rs3741378	11	65422591	rs7119750	4	0.9	0.97	Chromatin_Str	RELA	5970	.	.	.	.	Y	No	No	Yes	Class 2:tools available
rs3741378	11	65484719	rs2236683	4	0.79	0.93	Chromatin_Str	KAT5	10524	.	.	.	.	Y	Yes	No	No	Class 2:tools available
rs3741378	11	65499692	rs12361032	6	0.61	0.81	Motifs|PWM|P	RNASEH2C	84153	.	.	.	.	.	No	No	No	Non-druggable
rs3741378	11	65549506	rs61895678	5	0.51	0.73	Motifs|PWM|A	AP5B1	91056	.	.	.	.	.	No	No	No	Non-druggable
rs7297416	12	54417576	rs736825	3	0.6	0.91	Motifs|PWM|K	HOXC5	3222	.	.	.	.	Y	Yes	Yes	No	Non-druggable
rs7297416	12	54424123	rs7308105	2	0.52	0.82	Motifs|PWM|Z	HOXC6	3223	.	.	.	.	Y	Yes	Yes	No	Non-druggable
rs7297416	12	54445215	rs199718335	2	0.79	0.95	Motifs|PWM|R	HOXC4	3221	.	.	.	.	Y	Yes	Yes	No	Non-druggable
rs1036477	15	48793615	rs77360718	2	0.77	0.94	Motifs|Footprir	FBN1	2200	Y	Y	.	.	Y	Yes	Yes	Yes	Non-druggable
rs33063	16	68197718	rs33063	eQTL				LOC283970		.	.	.	.	.	No	Yes	No	Non-druggable
rs33063	16	69548788	rs7200764	7	0.7	0.86	No data	CYB5B	80777	.	.	.	.		No	No	No	Non-druggable
rs33063	16	69590366	rs1549287	1	0.87	0.94	Single_Nucleo	NFAT5	10725	.	.	.	.	Y	Yes	Yes	Yes	Non-druggable
rs33063	16	69742387	rs56125990	6	0.82	-0.9	Motifs|PWM|N	NQO1	1728	.	.	.	.	Y	Yes	No	Yes	Class 1:Drug on Mark
rs33063	16	69775500	rs17299478	1	0.71	-0.86	Single_Nucleo	NOB1	28987	.	.	.	.	.	No	Yes	No	Non-druggable
rs33063	16	69795323	rs56140069	6	0.59	-0.82	Motifs|PWM|M	WWP2	11060	.	.	.	.	.	No	No	Yes	Non-druggable