

Supplementary Table 1: SNPs included in genetic risk scores. Abbreviations: GWAS, genome-wide association study array; Exome, exome array; MAF, minor allele frequency in the Diabetes Heart Study; HWE, Hardy Weinberg Equilibrium p-value in unrelated individuals from the Diabetes Heart Study; M/m, Major allele/minor allele; CAC, coronary artery calcification; CAD, coronary artery disease; CRP, C-reactive protein; eGFR, estimated glomerular filtration rate.

Chr	Position	SNP	Gene	Source	Risk Score	Alleles (M/m)	Risk Allele	MAF	HWE	Reference
1	11862778	rs17367504	MTHFR	Exome	Blood pressure traits	A/G	A	0.18	0.64	1
3	27537909	rs13082711	SLC4A7	Genotyped	Blood pressure traits	T/C	C	0.22	0.90	1
3	47927484	rs319690	MAP4	Imputed	Blood pressure traits	T/C	T	0.31	0.31	1
3	169100886	rs419076	MECOM	Imputed	Blood pressure traits	T/C	T	0.49	0.02	1
4	54799245	rs871606	CHIC2	Imputed	Blood pressure traits	T/C	T	0.08	0.73	1
4	81164723	rs1458038	FGF5	Genotyped	Blood pressure traits	G/A	A	0.30	1.00	1
4	103188709	rs13107325	SLC39A8	Exome	Blood pressure traits	G/A	G	0.08	0.34	1
5	32815028	rs1173771	NPR3	Genotyped	Blood pressure traits	C/T	C	0.38	0.22	1
5	157804457	rs9313772	EBF1	GWAS	Blood pressure traits	C/T	C	0.38	1.00	1
6	26107463	rs198846	HFE	Exome	Blood pressure traits	G/A	A	0.18	0.04	1
7	106411858	rs17477177	PIK3CG	Imputed	Blood pressure traits	T/C	C	0.21	0.88	1
8	120435812	rs2071518	NOV	Imputed	Blood pressure traits	C/T	T	0.27	0.06	1
10	18727959	rs12258967	CACNB2	Genotyped	Blood pressure traits	C/G	C	0.30	0.12	1
10	63467553	rs4590817	C10orf107	Imputed	Blood pressure traits	G/C	G	0.15	0.35	1
10	95895177	rs9663362	PLCE1	GWAS	Blood pressure traits	G/C	C	0.46	0.85	1
10	104846178	rs11191548	NT5C2	Exome	Blood pressure traits	A/G	A	0.08	0.55	1
11	16902268	rs381815	PLEKHA7	Imputed	Blood pressure traits	C/T	T	0.28	1.00	1
11	130273230	rs11222084	ADAMTS8	GWAS	Blood pressure traits	A/T	T	0.35	0.19	1
12	90060586	rs17249754	ATP2B1	Exome	Blood pressure traits	G/A	G	0.18	1.00	1
12	112007756	rs653178	ATXN2	Exome	Blood pressure traits	A/G	G	0.50	0.31	1
15	75077367	rs1378942	CSK	Exome	Blood pressure traits	A/C	C	0.32	0.11	1
17	45013271	rs17608766	GOSR2	Exome	Blood pressure traits	A/G	G	0.15	1.00	1
20	10969030	rs1327235	JAG1	GWAS	Blood pressure traits	A/G	G	0.48	1.00	1
20	57751117	rs6015450	ZNF831	Genotyped	Blood pressure traits	A/G	G	0.12	0.09	1
1	72812440	rs2815752	NEGR1	Exome	BMI	A/G	A	0.38	0.38	2
1	74991644	rs1514175	TNNI3K	Exome	BMI	G/A	A	0.42	0.63	2
1	96944797	rs1555543	PTBP2	Exome	BMI	C/A	C	0.40	0.01	2

1	177889480	rs543874	SEC16B	Exome	BMI	A/G	G	0.20	0.89	2
2	622827	rs2867125	TMEM18	Exome	BMI	G/A	G	0.15	0.71	2
2	25158008	rs713586	ADCY3	Exome	BMI	A/G	G	0.49	0.64	2
2	59302877	rs887912	FANCL	Exome	BMI	G/A	A	0.30	0.19	2
2	142959931	rs2890652	LRP1B	Imputed	BMI	T/C	C	0.17	0.48	2
3	85884150	rs13078807	CADM2	Exome	BMI	A/G	G	0.21	0.33	2
3	185834499	rs9816226	ETV5	Exome	BMI	A/T	A	0.20	0.30	2
4	45182527	rs10938397	GNPDA2	Exome	BMI	A/G	G	0.44	0.26	2
4	103188709	rs13107325	SLC39A8	Exome	BMI	G/A	A	0.08	0.34	2
5	75015242	rs2112347	HMGCR	Exome	BMI	A/C	A	0.36	0.84	2
6	34302869	rs206936	NUDT3	Exome	BMI	A/G	G	0.21	1.00	2
6	50803050	rs987237	TFAP2B	Exome	BMI	A/G	G	0.18	0.11	2
9	28414339	rs10968576	LRRN6C	Exome	BMI	A/G	G	0.31	0.74	2
11	8604593	rs4929949	STK33	Exome	BMI	G/A	G	0.46	0.51	2
11	27725986	rs10767664	BDNF	Exome	BMI	A/T	A	0.20	0.89	2
11	47650993	rs3817334	MTCH2	Exome	BMI	G/A	A	0.43	0.15	2
12	50247468	rs7138803	FAIM2	Exome	BMI	G/A	A	0.37	0.37	2
13	28020180	rs4771122	MTIF3	Exome	BMI	A/G	G	0.23	0.69	2
14	30515112	rs11847697	PRKD1	Exome	BMI	G/A	A	0.05	0.61	2
14	79936964	rs10150332	NRXN3	Imputed	BMI	T/C	C	0.23	0.60	2
15	68086838	rs2241423	MAP2K5	Exome	BMI	G/A	G	0.23	0.11	2
16	19933600	rs12444979	GPRC5B	Exome	BMI	G/A	G	0.16	0.86	2
16	28885659	rs7359397	SH2B1	Exome	BMI	G/A	A	0.42	0.70	2
16	53803574	rs1558902	FTO	Exome	BMI	A/T	T	0.45	0.19	2
18	57839769	rs571312	MC4R	Exome	BMI	C/A	A	0.23	1.00	2
19	34309532	rs29941	KCTD15	Exome	BMI	G/A	G	0.31	0.83	2
19	46202172	rs2287019	QPCTL	Exome	BMI	G/A	G	0.19	0.17	2
19	47569003	rs3810291	ZC3H4	Exome	BMI	A/G	A	0.32	1.00	2
6	12903957	rs9349379	PHACTR1	Exome	CAC	A/G	G	0.36	0.84	3
9	22125503	rs1333049	CDKN2B	Exome	CAC	C/G	G	0.47	0.46	3
1	55496039	rs11206510	PCSK9	Exome	CAD	A/G	A	0.22	1.00	4
1	56962821	rs17114036	PPAP2B	Exome	CAD	A/G	A	0.07	1.00	4
1	222823529	rs17465637	MIA3	GWAS	CAD	C/A	C	0.28	0.82	4

1	1098822166	rs599839	SORT1	Exome	CAD	A/G	A	0.24	0.53	4
2	203745885	rs6725887	WDR12	GWAS	CAD	T/C	C	0.14	0.43	4
3	138122122	rs9818870	MRAS	GWAS	CAD	C/T	T	0.17	0.73	5
6	12927544	rs12526453	PHACTR1	GWAS	CAD	C/G	C	0.35	1.00	4
6	31184196	rs3869109	HCG27	Exome	CAD	G/A	G	0.42	0.50	6
6	35034800	rs17609940	ANKS1A	GWAS	CAD	G/C	G	0.20	1.00	4
6	151252985	rs6922269	MTHFD1L	GWAS	CAD	G/A	A	0.29	0.03	7
6	160961137	rs3798220	LPA	Exome	CAD	A/G	G	0.02	1.00	4
7	107244545	rs10953541	BCAP29	Exome	CAD	G/A	G	0.23	0.44	8
7	129663496	rs11556924	ZC3HC1	GWAS	CAD	C/T	C	0.39	0.33	4
9	22031005	rs7865618	MTAP	Exome	CAD	A/G	A	0.43	1.00	9
9	136154168	rs579459	ABO	Exome	CAD	A/G	G	0.22	0.28	4
10	30335122	rs2505083	KIAA1462	Exome	CAD	A/G	G	0.42	0.63	8
10	44775824	rs1746048	CXCL12	GWAS	CAD	C/T	C	0.12	0.66	4
10	91002927	rs1412444	LIPA	Genotyped	CAD	G/A	A	0.35	0.13	8
10	104719096	rs12413409	CNNM2	GWAS	CAD	G/A	G	0.08	0.77	4
11	103660567	rs974819	PDGFD	Exome	CAD	G/A	A	0.28	0.91	8
11	116648917	rs964184	ZNF259	Exome	CAD	G/C	C	0.16	0.73	4
13	110960712	rs4773144	COL4A1	Exome	CAD	A/G	G	0.41	0.44	4
14	100133942	rs2895811	HHIPL1	Exome	CAD	A/G	G	0.42	0.51	4
15	79089111	rs3825807	ADAMTS7	Exome	CAD	A/G	A	0.47	0.26	4
17	2126504	rs216172	SMG6	Exome	CAD	G/C	C	0.38	0.77	4
17	17543722	rs12936587	PEMT	Exome	CAD	G/A	G	0.44	0.93	4
17	46988597	rs46522	UBE2Z	Exome	CAD	A/G	A	0.46	0.35	4
19	11163601	rs1122608	SMARCA4	Exome	CAD	C/A	C	0.26	0.90	4
1	40064961	rs12037222	PABPC4	Imputed	CRP	G/A	A	0.23	1.00	10
1	66161461	rs4420065	LEPR	Exome	CRP	G/A	G	0.40	0.63	10
1	154426264	rs4129267	IL6R	Exome	CRP	G/A	G	0.38	1.00	10
1	159678816	rs2794520	CRP	Exome	CRP	G/A	G	0.33	0.92	10
1	247601595	rs12239046	NLRP3	Exome	CRP	G/A	G	0.37	0.07	10
2	27730940	rs1260326	GCKR	Exome	CRP	G/A	A	0.39	0.24	10
2	113841030	rs6734238	IL1F10	Exome	CRP	A/G	G	0.40	1.00	10
5	131839618	rs4705952	IRF1	Exome	CRP	A/G	G	0.23	0.29	10

6	117114025	rs6901250	GPRC6A	Exome	CRP	G/A	A	0.33	0.03	10
7	72971231	rs13233571	BCL7B	Exome	CRP	G/A	G	0.12	1.00	10
8	9183358	rs9987289	PPP1R3B	Exome	CRP	G/A	A	0.11	0.63	10
12	103483094	rs10745954	ASCL1	Exome	CRP	A/G	A	0.49	0.78	10
12	121420807	rs1183910	HNF1A	Exome	CRP	G/A	G	0.31	0.45	10
15	60894965	rs340029	RORA	Exome	CRP	A/G	A	0.38	0.92	10
16	51158710	rs10521222	SALL1	Exome	CRP	G/A	G	0.06	1.00	10
18	12821593	rs2847281	PTPN2	Exome	CRP	A/G	A	0.41	0.02	10
19	45422946	rs4420638	APOC1	Exome	CRP	A/G	A	0.16	0.31	10
20	43042364	rs1800961	HNF4A	Exome	CRP	G/A	G	0.03	1.00	10
1	6279370	rs846111	RNF207	Exome	Electrocardiogram traits	G/C	C	0.27	0.81	11
1	162085685	rs10494366	NOS1AP	Exome	Electrocardiogram traits	A/C	C	0.34	0.47	12
1	162210610	rs4657178	NOS1AP	Exome	Electrocardiogram traits	G/A	A	0.23	1.00	13
1	169099483	rs10919071	ATP1B1	Exome	Electrocardiogram traits	A/G	A	0.12	1.00	13
3	38593393	rs12053903	SCN5A	Exome	Electrocardiogram traits	A/G	A	0.32	1.00	11
3	38766675	rs6795970	SCN10A	Exome	Electrocardiogram traits	G/A	A	0.38	0.49	14
4	86651464	rs7660702	ARHGAP24	Exome	Electrocardiogram traits	A/G	A	0.32	0.83	12
6	36622900	rs1321311	CDKN1A	Exome	Electrocardiogram traits	C/A	A	0.25	0.90	12
6	118653204	rs12210810	PLN	Exome	Electrocardiogram traits	G/C	G	0.05	1.00	13
6	118680374	rs11970286	PLN	Exome	Electrocardiogram traits	G/A	A	0.46	0.78	13
7	116186241	rs3807989	CAV1	Exome	Electrocardiogram traits	G/A	A	0.42	0.10	12
7	150667210	rs3807375	KCNH2	Exome	Electrocardiogram traits	G/A	A	0.38	0.32	12
11	2484803	rs2074238	KCNQ1	Exome	Electrocardiogram traits	G/A	G	0.07	1.00	11
11	2502319	rs12576239	KCNQ1	Exome	Electrocardiogram traits	G/A	A	0.13	0.84	11
12	114795443	rs3825214	TBX5	Exome	Electrocardiogram traits	A/G	G	0.19	0.17	12
13	48162558	rs2478333	HTR2A	Exome	Electrocardiogram traits	C/A	A	0.37	1.00	15
14	23861811	rs365990	MYH6	Genotyped	Electrocardiogram traits	A/G	G	0.38	0.23	12
16	11691753	rs8049607	LITAF	Exome	Electrocardiogram traits	G/A	A	0.50	0.64	11
16	58622178	rs7188697	NDRG4	Exome	Electrocardiogram traits	A/G	A	0.24	0.12	13
17	33324382	rs2074518	LIG3	Exome	Electrocardiogram traits	G/A	G	0.42	0.15	11
17	68494992	rs17779747	KCNJ2	Exome	Electrocardiogram traits	C/A	C	0.34	0.68	13
21	35880072	rs727957	KCNE1	Exome	Electrocardiogram traits	C/A	A	0.17	0.19	12
1	214159256	rs340874	PROX1	Exome	Fasting glucose	G/A	G	0.42	0.34	16

2	27741237	rs780094	GCKR	Exome	Fasting glucose	G/A	G	0.38	0.27	16
2	169763148	rs560887	G6PC2	Exome	Fasting glucose	G/A	G	0.30	0.12	16
3	123065778	rs11708067	ADCY5	Exome	Fasting glucose	A/G	A	0.24	0.61	16
3	170717521	rs11920090	SLC2A2	Exome	Fasting glucose	T/A	T	0.14	0.32	16
7	15064309	rs2191349	DGKB	Exome	Fasting glucose	A/C	A	0.44	0.39	16
7	44235668	rs4607517	GCK	Exome	Fasting glucose	G/A	A	0.20	0.88	16
8	118185733	rs11558471	SLC30A8	Exome	Fasting glucose	A/G	A	0.31	0.19	16
9	4289050	rs7034200	GLIS3	Exome	Fasting glucose	C/A	A	0.46	0.11	16
10	113042093	rs10885122	ADRA2A	Exome	Fasting glucose	C/A	C	0.12	1.00	16
10	114756041	rs4506565	TCF7L2	Exome	Fasting glucose	A/T	T	0.38	0.92	16
11	45873091	rs11605924	CRY2	Exome	Fasting glucose	C/A	A	0.50	0.64	16
11	47336320	rs7944584	MADD	Exome	Fasting glucose	A/T	A	0.28	0.49	16
11	61571478	rs174550	FADS1	Exome	Fasting glucose	A/G	A	0.33	0.83	16
11	92708710	rs10830963	MTNR1B	Exome	Fasting glucose	C/G	G	0.28	0.08	16
15	62433962	rs11071657	C2CD4B	Exome	Fasting glucose	A/G	A	0.38	0.09	16
1	150951477	rs267734	ANXA9	Exome	eGFR	A/G	A	0.20	0.56	17
2	27730940	rs1260326	GCKR	Exome	eGFR	G/A	G	0.39	0.24	17
2	73900900	rs10206899	NAT8	Exome	eGFR	A/G	A	0.24	1.00	18
3	141807137	rs347685	TFDP2	Exome	eGFR	A/C	A	0.27	0.56	17
4	77398015	rs10032549	SHROOM3	Imputed	eGFR	G/A	G	0.49	0.44	18
5	176817636	rs6420094	SLC34A1	Exome	eGFR	A/G	G	0.35	0.13	17
6	43806609	rs881858	VEGFA	Exome	eGFR	A/G	A	0.28	0.82	17
6	160668389	rs2279463	SLC22A2	Exome	eGFR	A/G	G	0.13	0.53	17
7	77416439	rs6465825	TMEM60	Exome	eGFR	A/G	G	0.43	0.07	17
8	23751151	rs10109414	STC1	Exome	eGFR	G/A	A	0.43	0.39	17
9	71434707	rs4744712	PIP5K1B	Imputed	eGFR	C/A	A	0.38	0.10	17
10	1156165	rs10794720	WDR37	Exome	eGFR	G/A	A	0.07	0.29	17
11	30760335	rs3925584	MPPED2	Exome	eGFR	A/G	A	0.46	0.40	19
12	349298	rs10774021	SLC6A13	Exome	eGFR	A/G	A	0.37	0.11	17
12	112007756	rs653178	ATXN2	Exome	eGFR	A/G	G	0.50	0.31	17
13	72347696	rs626277	DACH1	Exome	eGFR	A/C	A	0.41	0.77	17
15	45719187	rs17536527	SPATA5L1	Genotyped	eGFR	G/C	C	0.45	0.38	18
15	53946593	rs491567	WDR72	Exome	eGFR	A/C	A	0.25	0.39	17

15	76158983	rs1394125	UBE2Q2	Exome	eGFR	G/A	A	0.35	0.61	17
16	20367690	rs12917707	UMOD	Exome	eGFR	C/A	C	0.18	0.88	17
17	59456589	rs9895661	BCAS3	Exome	eGFR	A/G	G	0.15	0.37	17
19	33356891	rs12460876	SLC7A9	Exome	eGFR	A/G	A	0.39	0.20	17
20	23612737	rs9111119	CST3	Exome	eGFR	A/G	A	0.21	0.57	17
1	40028180	rs4660293	PABPC4	Exome	HDL cholesterol	A/G	G	0.25	0.90	20
1	230295691	rs4846914	GALNT2	Exome	HDL cholesterol	A/G	G	0.40	0.29	20
2	21206183	rs6754295	APOB	Exome	HDL cholesterol	A/C	A	0.25	0.80	21
2	165540800	rs12328675	COBLL1	Exome	HDL cholesterol	A/G	A	0.11	0.16	20
2	227100698	rs2972146	IRS1	Exome	HDL cholesterol	A/C	A	0.36	0.84	20
5	53298025	rs6450176	ARL15	Exome	HDL cholesterol	G/A	A	0.25	0.27	20
6	34552797	rs2814944	C6orf106	Exome	HDL cholesterol	G/A	A	0.17	0.62	20
6	139829666	rs605066	CITED2	Exome	HDL cholesterol	A/G	G	0.41	0.92	20
6	161089817	rs1084651	LPA	Exome	HDL cholesterol	G/A	A	0.17	0.74	20
7	72982874	rs17145738	MLXIPL	GWAS	HDL cholesterol	C/T	C	0.13	1.00	20
7	130433384	rs4731702	KLF14	Exome	HDL cholesterol	G/A	G	0.45	0.16	20
8	9183358	rs9987289	PPP1R3B	Exome	HDL cholesterol	G/A	A	0.11	0.63	20
8	19844222	rs12678919	LPL	Exome	HDL cholesterol	A/G	A	0.09	0.41	20
8	126490972	rs2954029	TRIB1	Imputed	HDL cholesterol	A/T	A	0.46	0.30	20
9	15289578	rs471364	TTC39B	GWAS	HDL cholesterol	T/C	C	0.10	0.48	22
9	107664301	rs1883025	ABCA1	Exome	HDL cholesterol	G/A	A	0.26	1.00	20
11	46743247	rs3136441	F2	Exome	HDL cholesterol	A/G	A	0.13	0.54	20
11	47286290	rs7120118	NR1H3	Exome	HDL cholesterol	A/G	A	0.30	0.50	23
11	48518893	rs7395662	OR4A47	Exome	HDL cholesterol	G/A	G	0.37	0.01	21
11	61569830	rs174546	FADS1	Exome	HDL cholesterol	G/A	A	0.33	0.83	20
11	116648917	rs964184	APOA5	Exome	HDL cholesterol	G/C	C	0.16	0.73	20
11	122522375	rs7941030	UBASH3B	Exome	HDL cholesterol	A/G	A	0.38	0.24	20
12	20473758	rs7134375	PDE3A	Exome	HDL cholesterol	C/A	C	0.43	0.39	20
12	57792580	rs11613352	LRP1	Imputed	HDL cholesterol	C/T	C	0.25	0.12	20
12	109895168	rs2338104	KCTD10	GWAS	HDL cholesterol	G/C	C	0.48	0.52	22
12	124460167	rs4765127	ZNF664	Exome	HDL cholesterol	C/A	C	0.33	0.14	20
15	58683366	rs1532085	LIPC	Exome	HDL cholesterol	G/A	G	0.36	0.03	20
15	63396867	rs2652834	LACTB	Exome	HDL cholesterol	G/A	A	0.19	0.18	20

16	56993324	rs3764261	CETP	Exome	HDL cholesterol	C/A	C	0.32	1.00	20
16	67902070	rs2271293	LCAT	GWAS	HDL cholesterol	G/A	G	0.11	0.64	22
16	81534790	rs2925979	CMIP	Exome	HDL cholesterol	G/A	A	0.32	0.75	20
17	37813856	rs11869286	STARD3	Exome	HDL cholesterol	G/C	C	0.36	0.42	20
17	66875294	rs4148008	ABCA8	Imputed	HDL cholesterol	C/G	G	0.31	0.83	20
17	76403984	rs4129767	PGS1	Exome	HDL cholesterol	G/A	G	0.49	0.09	20
18	47167214	rs4939883	LIPG	GWAS	HDL cholesterol	C/T	T	0.18	0.53	22
18	57849023	rs12967135	MC4R	Imputed	HDL cholesterol	G/A	A	0.23	0.90	20
19	8469738	rs2967605	ANGPTL4	Exome	HDL cholesterol	G/A	A	0.19	0.28	22
19	45422946	rs4420638	APOC1	GWAS	HDL cholesterol	T/C	C	0.17	0.74	20
20	43042364	rs1800961	HNF4A	Exome	HDL cholesterol	G/A	A	0.03	1.00	20
20	44576502	rs7679	PLTP	GWAS	HDL cholesterol	T/C	C	0.22	0.67	22
1	25775733	rs12027135	TMEM57	Exome	LDL cholesterol	A/T	A	0.45	0.93	20
1	55496039	rs11206510	PCSK9	Exome	LDL cholesterol	A/G	A	0.22	1.00	22
1	55504650	rs2479409	PCSK9	Exome	LDL cholesterol	A/G	G	0.35	0.18	20
1	63025942	rs2131925	DOCK7	Exome	LDL cholesterol	A/C	A	0.36	1.00	20
1	109817590	rs12740374	CELSR2	Exome	LDL cholesterol	C/A	C	0.24	0.90	22
1	220973563	rs2642442	MOSC1	Genotyped	LDL cholesterol	T/C	C	0.32	0.33	20
1	234858597	rs514230	IRF2BP2	Genotyped	LDL cholesterol	A/T	A	0.48	0.44	20
2	21286057	rs515135	APOB	Exome	LDL cholesterol	G/A	G	0.16	0.23	22
2	44065090	rs6756629	ABCG5	Exome	LDL cholesterol	G/A	G	0.07	0.16	21
2	44073881	rs6544713	ABCG8	Exome	LDL cholesterol	G/A	A	0.32	0.59	22
5	74655726	rs3846663	HMGCR	GWAS	LDL cholesterol	C/T	T	0.38	1.00	22
5	156398169	rs1501908	TIMD4	GWAS	LDL cholesterol	C/G	C	0.39	0.21	22
6	16127407	rs3757354	IDOL	Exome	LDL cholesterol	G/A	G	0.20	0.67	20
6	16197194	rs2142672	MYLIP	Exome	LDL cholesterol	G/A	G	0.26	0.19	24
6	26093141	rs1800562	HFE	Exome	LDL cholesterol	G/A	G	0.08	1.00	20
6	32412435	rs3177928	HLA	Exome	LDL cholesterol	G/A	A	0.13	0.83	20
6	33143948	rs2254287	B3GALT4	Exome	LDL cholesterol	C/G	G	0.41	0.25	25
6	160578860	rs1564348	LPA	Exome	LDL cholesterol	A/G	G	0.16	0.49	20
7	21607352	rs12670798	DNAH11	Exome	LDL cholesterol	A/G	G	0.22	0.59	20
7	44579180	rs2072183	NPC1L1	Exome	LDL cholesterol	C/G	G	0.24	1.00	20
8	9183358	rs9987289	PPP1R3B	Exome	LDL cholesterol	G/A	G	0.11	0.63	20

8	59388565	rs2081687	CYP7A1	Exome	LDL cholesterol	G/A	A	0.36	0.69	20
8	126490972	rs2954029	TRIB1	Imputed	LDL cholesterol	A/T	A	0.46	0.30	20
8	145043543	rs11136341	PLEC1	Exome	LDL cholesterol	A/G	G	0.39	0.14	20
9	136155000	rs635634	ABO	Exome	LDL cholesterol	G/A	A	0.20	0.66	20
10	113933886	rs2255141	GPAM	Exome	LDL cholesterol	G/A	A	0.29	0.73	20
11	61569830	rs174546	FADS1	Exome	LDL cholesterol	G/A	G	0.33	0.83	20
11	116648917	rs964184	APOA5	Exome	LDL cholesterol	G/C	C	0.16	0.73	20
11	126243952	rs11220462	ST3GAL4	Exome	LDL cholesterol	G/A	A	0.15	0.85	20
12	112072424	rs11065987	BRAP	Exome	LDL cholesterol	A/G	A	0.44	0.22	20
12	121388962	rs2650000	HNF1A	Exome	LDL cholesterol	C/A	A	0.35	0.54	22
14	24883887	rs8017377	NYNRIN	Exome	LDL cholesterol	G/A	A	0.48	0.51	20
16	56993324	rs3764261	CETP	Exome	LDL cholesterol	C/A	C	0.32	1.00	20
16	72108093	rs2000999	HPR	Exome	LDL cholesterol	G/A	A	0.20	0.24	20
17	45425115	rs7206971	OSBPL7	GWAS	LDL cholesterol	G/A	G	0.48	0.34	20
19	11202306	rs6511720	LDLR	Exome	LDL cholesterol	C/A	C	0.14	0.18	20
19	19407718	rs10401969	SUGP1	Exome	LDL cholesterol	A/G	A	0.10	1.00	20
19	45422946	rs4420638	APOC1	GWAS	LDL cholesterol	T/C	C	0.17	0.74	20
20	39091487	rs2902940	MAFB	Imputed	LDL cholesterol	A/G	A	0.33	0.23	20
20	39228784	rs6102059	MAFB	Imputed	LDL cholesterol	C/T	C	0.31	0.91	22
20	39672618	rs6029526	TOP1	Exome	LDL cholesterol	T/A	A	0.47	0.45	20
4	111718067	rs6843082	PITX2	Exome	Stroke	A/G	G	0.21	0.26	26
6	44594159	rs556621	CDC5L	Genotyped	Stroke	C/A	A	0.32	1.00	27
7	19049388	rs2107595	HDAC9	Genotyped	Stroke	C/T	T	0.16	1.00	26
12	783484	rs12425791	NINJ2	Exome	Stroke	G/A	A	0.19	0.77	28
16	73068678	rs879324	ZFHX3	GWAS	Stroke	G/A	A	0.18	0.54	26
1	120517959	rs10923931	NOTCH2	GWAS	Type 2 Diabetes	G/T	T	0.10	0.29	29
1	212221342	rs2075423	PROX1	Genotyped	Type 2 Diabetes	C/A	C	0.33	1.00	30
2	43732823	rs7578597	THADA	Exome	Type 2 Diabetes	A/G	A	0.08	0.34	29
2	60584819	rs243021	BCL11A	Exome	Type 2 Diabetes	G/A	A	0.47	0.23	31
2	161171454	rs7593730	RBMS1	Exome	Type 2 Diabetes	G/A	G	0.21	0.06	32
2	165528876	rs13389219	GRB14	Exome	Type 2 Diabetes	G/A	G	0.38	0.55	30
2	227020653	rs7578326	IRS1	Exome	Type 2 Diabetes	A/G	A	0.34	0.36	30
3	12393125	rs1801282	PPARG	GWAS	Type 2 Diabetes	C/G	C	0.10	0.00	30

3	23454790	rs1496653	UBE2E2	GWAS	Type 2 Diabetes	A/G	A	0.19	0.55	30
3	64711904	rs4607103	ADAMTS9	GWAS	Type 2 Diabetes	C/T	C	0.24	0.33	29
3	123065778	rs11708067	ADCY5	Exome	Type 2 Diabetes	A/G	A	0.24	0.61	30
3	185511687	rs4402960	IGF2BP2	GWAS	Type 2 Diabetes	G/T	T	0.36	1.00	30
4	6270056	rs4689388	WFS1	Exome	Type 2 Diabetes	A/G	A	0.43	0.25	33
5	55806751	rs459193	ANKRD55	Exome	Type 2 Diabetes	G/A	G	0.25	0.22	30
5	76424949	rs4457053	ZBED3	Exome	Type 2 Diabetes	A/G	G	0.33	0.75	30
6	20688121	rs10440833	CDKA11	Exome	Type 2 Diabetes	T/A	A	0.29	0.43	30
7	14864807	rs17168486	DGKB	Genotyped	Type 2 Diabetes	C/T	T	0.20	0.88	30
7	28180556	rs864745	JAZF1	GWAS	Type 2 Diabetes	C/T	T	0.49	1.00	29
8	41519248	rs516946	ANK1	Exome	Type 2 Diabetes	G/A	G	0.22	0.22	30
8	95960511	rs896854	TP53INP1	Exome	Type 2 Diabetes	G/A	A	0.47	0.78	31
9	22134094	rs10811661	CDKN2B-AS1	GWAS	Type 2 Diabetes	T/C	T	0.15	1.00	30
9	22137685	rs7018475	CDKN2B	Genotyped	Type 2 Diabetes	T/G	T	0.28	0.04	34
9	81952128	rs13292136	CHCHD9	Exome	Type 2 Diabetes	G/A	G	0.07	0.73	31
9	84308948	rs2796441	TLE1	Exome	Type 2 Diabetes	G/A	G	0.39	1.00	30
10	12328010	rs12779790	CDC123	Genotyped	Type 2 Diabetes	A/G	G	0.18	0.73	29
10	80942631	rs12571751	ZMIZ1	Exome	Type 2 Diabetes	A/G	A	0.46	0.30	30
10	94465559	rs5015480	HHEX	GWAS	Type 2 Diabetes	C/T	C	0.39	0.56	30
10	114758349	rs7903146	TCF7L2	Exome	Type 2 Diabetes	G/A	A	0.36	0.84	30
11	2691471	rs231362	KCNQ1	Genotyped	Type 2 Diabetes	C/T	C	0.45	0.17	31
11	2803645	rs163184	KCNQ1	Genotyped	Type 2 Diabetes	T/G	G	0.49	1.00	30
11	17408630	rs5215	KCNJ11	GWAS	Type 2 Diabetes	T/C	C	0.38	0.01	30
11	72433098	rs1552224	ARAP1	Exome	Type 2 Diabetes	A/C	A	0.14	0.43	30
11	92673828	rs1387153	MTNR1B	Exome	Type 2 Diabetes	G/A	A	0.30	0.91	31
12	27956150	rs10842994	KLHDC5	GWAS	Type 2 Diabetes	C/T	C	0.17	0.49	30
12	66174894	rs1531343	HMGA2	GWAS	Type 2 Diabetes	G/C	C	0.09	0.76	31
12	71663102	rs7961581	TSPAN8	GWAS	Type 2 Diabetes	T/C	C	0.32	0.58	29
12	121460686	rs7957197	HNF1A	Exome	Type 2 Diabetes	T/A	T	0.19	0.55	31
13	80717156	rs1359790	SPRY2	GWAS	Type 2 Diabetes	G/A	G	0.28	0.91	30
15	77832762	rs7177055	HMG20A	Exome	Type 2 Diabetes	A/G	A	0.25	0.32	30
15	80432222	rs11634397	ZFAND6	Exome	Type 2 Diabetes	G/A	G	0.33	0.35	31

15	91521337	rs8042680	PRC1	Exome	Type 2 Diabetes	C/A	A	0.30	0.38	31
16	53816275	rs8050136	FTO	GWAS	Type 2 Diabetes	C/A	A	0.43	0.51	29
16	73804746	rs7202877	CTRB2	Genotyped	Type 2 Diabetes	T/G	T	0.07	0.76	30
18	7068462	rs8090011	LAMA1	Genotyped	Type 2 Diabetes	C/G	G	0.38	0.06	35
18	57884750	rs12970134	MC4R	Exome	Type 2 Diabetes	G/A	A	0.27	0.55	30
19	19407718	rs10401969	CILP2	Exome	Type 2 Diabetes	A/G	G	0.10	1.00	30
23	152899922	rs5945326	DUSP9	Genotyped	Type 2 Diabetes	A/G	A	0.21	0.27	31
1	25768937	rs10903129	TMEM57	Exome	Total Cholesterol	G/A	G	0.44	1.00	21
1	55504650	rs2479409	PCSK9	Exome	Total Cholesterol	A/G	G	0.35	0.18	20
1	63118196	rs10889353	DOCK7	GWAS	Total Cholesterol	A/C	A	0.34	0.84	21
1	93009438	rs7515577	EVI5	Exome	Total Cholesterol	A/C	A	0.22	1.00	20
1	109818530	rs646776	CELSR2	Exome	Total Cholesterol	A/G	A	0.24	0.80	21
1	220973563	rs2642442	MOSC1	Genotyped	Total Cholesterol	T/C	C	0.32	0.33	20
1	234858597	rs514230	IRF2BP2	Genotyped	Total Cholesterol	A/T	A	0.48	0.44	20
2	21232195	rs693	APOB	GWAS	Total Cholesterol	G/A	A	0.49	0.71	21
2	27730940	rs1260326	GCKR	Exome	Total Cholesterol	G/A	A	0.39	0.24	20
2	44065090	rs6756629	ABCG5	Exome	Total Cholesterol	G/A	G	0.07	0.16	21
2	135837906	rs7570971	RAB3GAP1	Exome	Total Cholesterol	C/A	A	0.32	0.24	20
3	12628920	rs2290159	RAF1	Exome	Total Cholesterol	G/C	G	0.19	0.55	20
5	74651084	rs3846662	HMGCR	Exome	Total Cholesterol	A/G	G	0.42	0.85	21
5	156390297	rs6882076	TIMD4	Exome	Total Cholesterol	G/A	G	0.39	0.14	20
6	16127407	rs3757354	IDOL	Exome	Total Cholesterol	G/A	G	0.20	0.67	20
6	26093141	rs1800562	HFE	Exome	Total Cholesterol	G/A	G	0.08	1.00	20
6	32412435	rs3177928	HLA	Exome	Total Cholesterol	G/A	A	0.13	0.83	20
6	34546560	rs2814982	C6orf106	Exome	Total Cholesterol	G/A	G	0.10	0.42	20
6	160578860	rs1564348	LPA	Exome	Total Cholesterol	A/G	G	0.16	0.49	20
7	21607352	rs12670798	DNAH11	Exome	Total Cholesterol	A/G	G	0.22	0.59	20
7	44579180	rs2072183	NPC1L1	Exome	Total Cholesterol	C/G	G	0.24	1.00	20
8	9183358	rs9987289	PPP1R3B	Exome	Total Cholesterol	G/A	G	0.11	0.63	20
8	18272881	rs1495741	NAT2	Exome	Total Cholesterol	A/G	G	0.21	0.67	20
8	59388565	rs2081687	CYP7A1	Exome	Total Cholesterol	G/A	A	0.36	0.69	20
8	116648565	rs2737229	TRPS1	Exome	Total Cholesterol	A/C	A	0.32	0.60	20
8	126490972	rs2954029	TRIB1	Imputed	Total Cholesterol	A/T	A	0.46	0.30	20

8	145043543	rs11136341	PLEC1	Exome	Total Cholesterol	A/G	G	0.39	0.14	20
9	107664301	rs1883025	ABCA1	Exome	Total Cholesterol	G/A	G	0.26	1.00	20
9	136155000	rs635634	ABO	Exome	Total Cholesterol	G/A	A	0.20	0.66	20
10	113933886	rs2255141	GPAM	Exome	Total Cholesterol	G/A	A	0.29	0.73	20
11	18632984	rs10128711	SPTY2D1	Exome	Total Cholesterol	G/A	G	0.24	0.71	20
11	61597212	rs174570	FADS2	Exome	Total Cholesterol	G/A	G	0.13	1.00	21
11	116648917	rs964184	APOA5	Exome	Total Cholesterol	G/C	C	0.16	0.73	20
11	122522375	rs7941030	UBASH3B	Exome	Total Cholesterol	A/G	G	0.38	0.24	20
11	126243952	rs11220462	ST3GAL4	Exome	Total Cholesterol	G/A	A	0.15	0.85	20
12	112072424	rs11065987	BRAP	Exome	Total Cholesterol	A/G	A	0.44	0.22	20
16	56993324	rs3764261	CETP	Exome	Total Cholesterol	C/A	A	0.32	1.00	20
16	72108093	rs2000999	HPR	Exome	Total Cholesterol	G/A	A	0.20	0.24	20
17	45425115	rs7206971	OSBPL7	GWAS	Total Cholesterol	G/A	A	0.48	0.34	20
19	11210912	rs2228671	LDLR	Exome	Total Cholesterol	G/A	G	0.14	0.56	21
19	19789528	rs2304130	NCAN	Exome	Total Cholesterol	A/G	A	0.11	0.82	21
19	45395619	rs2075650	TOMM40	Exome	Total Cholesterol	A/G	G	0.12	0.18	21
19	49206417	rs492602	FUT2	Exome	Total Cholesterol	A/G	G	0.49	0.85	20
20	39091487	rs2902940	MAFB	Imputed	Total Cholesterol	A/G	A	0.33	0.23	20
20	39672618	rs6029526	TOP1	Exome	Total Cholesterol	T/A	A	0.47	0.45	20
20	43042364	rs1800961	HNF4A	Exome	Total Cholesterol	G/A	G	0.03	1.00	20
1	63025942	rs2131925	DOCK7	Exome	Triglycerides	A/C	A	0.36	1.00	20
1	230295691	rs4846914	GALNT2	Exome	Triglycerides	A/G	G	0.40	0.29	20
2	21206183	rs6754295	APOB	Exome	Triglycerides	A/C	A	0.25	0.80	21
2	27730940	rs1260326	GCKR	Exome	Triglycerides	G/A	A	0.39	0.24	20
2	165513091	rs10195252	COBLL1	Exome	Triglycerides	A/G	A	0.40	0.92	20
2	227100698	rs2972146	IRS1	Exome	Triglycerides	A/C	A	0.36	0.84	20
3	135926622	rs645040	MSL2L1	Exome	Triglycerides	A/C	A	0.22	0.43	20
4	88030261	rs442177	AFF1	Exome	Triglycerides	A/C	A	0.39	1.00	20
5	55861786	rs9686661	ANKRD55	Exome	Triglycerides	G/A	A	0.23	0.60	20
5	156390297	rs6882076	TIMD4	Exome	Triglycerides	G/A	A	0.39	0.14	20
6	31265490	rs2247056	HLA	Exome	Triglycerides	G/A	G	0.25	0.71	20
7	72982874	rs17145738	MLXIPL	GWAS	Triglycerides	C/T	C	0.13	1.00	20
8	11045161	rs7819412	XKR6	GWAS	Triglycerides	G/A	A	0.48	0.46	22

8	18272881	rs1495741	NAT2	Exome	Triglycerides	A/G	G	0.21	0.67	20
8	19844222	rs12678919	LPL	Exome	Triglycerides	A/G	A	0.09	0.41	20
8	126486409	rs17321515	TRIB1	GWAS	Triglycerides	A/G	A	0.47	0.71	25
10	65027610	rs10761731	JMJD1C	Exome	Triglycerides	A/T	A	0.41	0.85	20
10	94839642	rs2068888	CYP26A1	Exome	Triglycerides	G/A	G	0.44	0.78	20
11	61569830	rs174546	FADS1	Exome	Triglycerides	G/A	A	0.33	0.83	20
11	116652207	rs12286037	ZNF259	GWAS	Triglycerides	C/T	T	0.08	1.00	25
11	116732512	rs2075292	SIK3	Exome	Triglycerides	A/C	C	0.11	0.09	36
12	57792580	rs11613352	LRP1	Imputed	Triglycerides	C/T	C	0.25	0.12	20
12	124460167	rs4765127	ZNF664	Exome	Triglycerides	C/A	C	0.33	0.14	20
15	42683787	rs2412710	CAPN3	Exome	Triglycerides	G/A	A	0.02	1.00	20
15	44245931	rs2929282	FRMD5	Exome	Triglycerides	A/T	T	0.05	1.00	20
15	58683366	rs1532085	LIPC	Exome	Triglycerides	G/A	G	0.36	0.03	20
16	30918487	rs11649653	CTF1	GWAS	Triglycerides	C/G	C	0.36	0.36	20
16	56993324	rs3764261	CETP	Exome	Triglycerides	C/A	C	0.32	1.00	20
19	19407718	rs10401969	SUGP1	Exome	Triglycerides	A/G	A	0.10	1.00	20
19	45414451	rs439401	APOE	Exome	Triglycerides	G/A	G	0.37	0.84	20
20	44576502	rs7679	PLTP	GWAS	Triglycerides	T/C	C	0.22	0.67	22
22	38546033	rs5756931	PLA2G6	Exome	Triglycerides	A/G	A	0.39	0.84	20

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