

Supplementary Table 1. List of genes and single nucleotide polymorphisms

Gene name (HUGO Gene Nomenclature Committee)	Gene abbreviation	Chromosome	Position	SNP	Nucleotide change
Intergenic region	N/A	11	41878760	rs1828390	A>G
Intragenic region	N/A	4	113014745	rs17044137	T>A
Adiponectin, C1Q and collagen domain containing	<i>ADIPOQ</i>	3	188053585	rs2241766	A>C
			188053889	rs2241767	A>G
			188038730	rs822387	A>G
			188043475	rs182052	G>A
			188051478	rs7649121	A>T
			188053146	rs17366568	G>A
			188050873	rs12495941	C>A
			188053816	rs1501299	C>A
			188054179	rs3821799	G>A
			188054252	rs3774261	G>A
			188049570	rs822396	A>G
			188042118	rs16861194	A>G
Adrenergic, beta-2-, receptor, Surface	<i>ADRB2</i>	5	148186632	rs1042713	G>A
			148185244	rs2400707	G>A
			148187639	rs1042719	C>G
Adrenergic, beta-3-, Receptor	<i>ADRB3</i>	8	37941009	rs2071493	A>G
			37942954	rs4994	A>G
			37940642	rs4998	C>G
			37941925	rs4997	C>A
Arachidonate 5-lipoxygenase- activating protein	<i>ALOX5AP</i>	13	30212173	rs4503649	G>A
			30238632	rs4420371	C>G
			30208918	rs4075131	A>G
			30239434	rs4445746	G>A
			30232697	rs9508835	C>A
			30204628	rs11616333	C>G
			30241863	rs9578200	G>A
			30210177	rs12429692	A>T

30229914	rs4769875	G>C
30214737	rs10162089	G>A
30212454	rs3885907	A>C
30234176	rs9315051	A>G
30222252	rs9671124	G>A
30241922	rs9285076	G>A
30223642	rs11147439	C>A
30210095	rs10507391	A>T
30209556	rs9578196	G>A
30207829	rs4769055	C>A
30235557	rs3935645	G>A
30225821	rs9579649	G>A
30203142	rs4076128	A>G
30215451	rs12431114	A>G
30210688	rs4769873	G>A
30225031	rs9579648	G>C

Amyloid beta (A4) precursor protein	APP	21	26376865	rs2830044	A>G
			26182091	rs9976453	G>C
			26329890	rs768039	G>A
			26364466	rs2830038	A>G
			26176987	rs3787620	A>C
			26470200	rs2156079	G>A
			26418537	rs2830068	G>A
			26209794	rs214488	A>G
			26220639	rs383700	G>A
			26439073	rs17588612	A>G
			26349118	rs2830028	C>A
			26387467	rs2830052	A>G
			26368302	rs2830040	G>A
			26319477	rs2830012	G>A
			26247158	rs400603	A>G
			26184398	rs17803163	G>A
			26250045	rs440666	G>A
			26436610	rs2830088	A>G
			26357395	rs2830036	G>A
			26226122	rs2829984	G>A
			26313329	rs2830008	A>G
			26347729	rs2830027	C>G
			26397974	rs2830054	A>C
			26182326	rs2829973	A>G
			26352795	rs2830033	G>A
			26399164	rs12482262	A>G

26170299	rs2242682	G>A
26238744	rs2234983	G>A
26465978	rs466448	A>G
26201908	rs1783016	G>A
26283638	rs2830000	C>A
26256892	rs2014146	A>G
26374512	rs17514385	G>A
26258038	rs216762	G>A
26245574	rs216779	A>C
26179871	rs7276737	G>A
26200117	rs17001492	A>C
26428187	rs466609	A>C
26264862	rs128648	G>A
26390610	rs11702267	G>A
26195959	rs1787438	C>A
26266059	rs2096488	A>C
26296474	rs7278838	C>A
26387225	rs2830051	A>G
26261149	rs436587	A>C
26365980	rs7283136	A>G
26182879	rs1876063	C>A
26459454	rs2830104	A>G

Activating transcription factor 6	<i>ATF6</i>	1	160162987	rs7554023	A>G
			160020464	rs2271012	G>A
			160027935	rs1135983	G>A
			160147105	rs12079579	G>A
			160060383	rs6695284	A>G
			160090444	rs12044770	A>C
			160127563	rs12032568	A>G
			160064862	rs4657110	G>A
			160104385	rs6670606	G>A
			160117159	rs12026254	G>A
			160004686	rs4657100	A>G
			160197883	rs2499851	A>G
			159996372	rs1417580	C>A
			160197099	rs2499854	A>G
			160018364	rs1058405	A>G
			160155578	rs4417044	G>A
			160195394	rs1136046	G>A
			160031416	rs12086247	G>A
			160004861	rs4657101	A>C
			160198185	rs3795649	G>A

			160087527	rs3767635	A>G
			160080643	rs1394070	C>A
			160174961	rs10737517	A>G
			159998328	rs12130299	A>G
			160047602	rs2134697	A>G
			160194950	rs9482	G>A
			160166354	rs10918215	A>G
			160101203	rs10918092	T>A
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Basic helix-loop-helix family, member e40	<i>BHLHE40</i>	3	5004561	rs1467159	G>A
			5005960	rs2137947	A>G
			5004353	rs11920786	C>A
			4991105	rs1588794	A>G
			5004775	rs11918262	G>A
			5001897	rs11925620	C>A
			5001007	rs11130215	A>G
			4999770	rs908078	A>G
			4994935	rs1110261	G>A
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Caveolin 1, caveolae protein, 22kDa	<i>CAVI</i>	7	115968085	rs4730751	C>A
			115958298	rs3779512	C>A
			115987032	rs8713	A>C
			115987822	rs1049337	G>A
			115977928	rs3815412	A>G
			115985211	rs3807995	G>A
			115954443	rs926198	A>G
			115987327	rs9920	A>G
			115993900	rs2052106	G>A
			115973476	rs3807989	G>A
			115969289	rs959173	A>G
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Cholecystokinin	<i>CCK</i>	3	42277811	rs11129949	A>C
			42283738	rs10460960	A>G
			42280967	rs747455	G>A
			42274873	rs8192472	G>A
			42270197	rs7628795	G>A
			42281449	rs11571842	A>G
			42270809	rs9311317	A>G
			42278314	rs10865918	A>C
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Cholecystokinin A receptor	<i>CCKAR</i>	4	26091118	rs2854030	G>A
			26090086	rs1573596	G>A

			26095291	rs915889	G>A
			26096006	rs7665027	A>G
			26097086	rs2000978	A>G
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CDK5 regulatory subunit associated protein 1	<i>CDKAL1</i>	6	20787687	rs7756992	A>G
			20825382	rs10946403	A>G
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Cyclin-dependent kinase inhibitor 2A	<i>CDKN2A</i>	9	22019546	rs564398	A>G
			22124093	rs10811661	A>G
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CCAAT/enhancer binding protein (C/EBP), Beta	<i>CEBPB</i>	20	48245533	rs2904254	G>A
			48236400	rs6020348	G>A
			48243031	rs4253449	G>A
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Contactin associated protein-like 2	<i>CNTNAP2</i>	7	145720690	rs2058376	C>G
			145696389	rs17170068	C>A
			145696770	rs17170069	A>T
			145716767	rs4725691	A>T
			145675272	rs6972458	G>A
			145693841	rs12703803	A>C
			145689641	rs1005388	A>C
			145606895	rs1405109	A>G
			145683285	rs7800227	C>A
			145760033	rs1639438	A>G
			145671699	rs13235449	A>G
			145638724	rs7806058	A>G
			145696049	rs6464757	A>G
			145761723	rs1724497	A>G
			145663456	rs7788551	G>A
			145792907	rs10255515	G>A
			145781524	rs1724472	G>A
			145680680	rs10225674	A>C
			145734687	rs4109977	C>A
			145603002	rs802509	A>T
			145629043	rs17170033	G>A
			145674108	rs17503262	A>G
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Cathepsin S	<i>CTSS</i>	1	148974259	rs7511673	A>T
			148994162	rs10888390	G>A
			149004820	rs1136774	A>G
			148994017	rs11576175	G>A

Fatty acid binding protein 1, liver	<i>FABP1</i>	2	88199662	rs894194	A>G
			88207560	rs2919871	T>A
			88199903	rs1441644	A>T
			88205180	rs2241883	A>G
			88210297	rs2970902	C>G
			88210705	rs2970903	G>A
			88203526	rs2919867	G>A
Fatty acid binding protein 4, Adipocyte	<i>FABP4</i>	8	82552798	rs10109480	G>C
			82562556	rs10099756	A>G
			82553397	rs16909192	A>C
Farnesyltransferase, CAAX box, Alpha	<i>FNTA</i>	8	43038046	rs10958736	G>A
			43055210	rs13282019	G>A
Mechanistic target of rapamycin (serine/threonine kinase)	<i>FRAP1</i>	1	11249374	rs1074078	G>A
			11137167	rs1770345	A>C
			11113818	rs12732063	G>A
Fat mass and obesity associated	<i>FTO</i>	16	52466685	rs10521303	C>A
			52466157	rs10521304	A>G
			52365264	rs17817288	G>A
			52378027	rs9939609	T>A
			52365758	rs1477196	G>A
Glucagon	<i>GCG</i>	2	162705904	rs13416088	G>A
			162719480	rs3761656	A>C
			162705949	rs1990761	A>G
Ghrelin/obestatin prepropeptide	<i>GHLR</i>	3	10311852	rs1617161	G>A
			10311290	rs1629816	G>A
			10300637	rs17032621	A>G
			10300749	rs171336	C>A
			10310785	rs2619507	A>G
			10307467	rs27647	A>G
			10307364	rs26802	A>C
			10303249	rs35683	C>A
			10310144	rs10490815	A>G
			10300949	rs11718213	A>C

Glucosidase, alpha; acid	<i>GAA</i>	17	75707947	rs8132	G>A
			75692308	rs12600845	G>A
			75688354	rs2304851	A>C
			75704675	rs12452616	G>A
			75691186	rs12450199	A>C
Haptoglobin	<i>HP</i>	16	70643061	rs9924964	T>A
			70646464	rs8062041	G>A
			70645831	rs5468	A>C
5-hydroxytryptamine (serotonin) receptor 1A	<i>HTR1A</i>	5	63287417	rs1423691	A>G
Islet amyloid polypeptide	<i>IAPP</i>	12	21424434	rs2417977	A>G
			21416872	rs7137767	A>C
			21423366	rs5486	A>G
			21413820	rs12818296	G>A
			21422703	rs5484	G>A
Insulin-like growth factor 2 mRNA binding protein 2	<i>IGF2BP2</i>	3	186994380	rs4402960	C>A
Interleukin 6 (interferon, beta 2)	<i>IL6</i>	7	22734551	rs2069837	A>G
			22738178	rs2069861	G>A
			22740755	rs10242595	G>A
			22735096	rs2069840	G>C
			22733169	rs1800795	C>G
			22731981	rs2069827	C>A
			22729533	rs12700386	G>C
Insulin induced gene 2	<i>INSIG2</i>	2	118552494	rs7566605	G>C
Potassium inwardly-rectifying channel, subfamily J, member 11 + ATP-binding cassette, sub-family C (CFTR/MRP), member 8	<i>KCNJ11</i> + <i>ABCC8</i>	11	17457785	rs3758947	G>A
			17374079	rs739689	A>G
			17451626	rs2283255	G>A
			17429288	rs6486370	A>C
			17405279	rs1799854	G>A
			17400709	rs2237988	G>A
			17457638	rs3758949	G>A
			17403537	rs10832786	T>A

17429721	rs722341	G>A
17415305	rs7106053	A>G
17371145	rs8192690	G>A
17391178	rs2355017	A>G
17369292	rs11024273	C>A
17402596	rs2237984	G>A
17358094	rs7110094	G>A
17368396	rs2074314	A>G
17365205	rs5215	A>G
17365406	rs1800467	G>C
17377668	rs12293803	G>A
17396804	rs2237991	A>G
17393511	rs4148626	G>A
17361922	rs1002227	C>A
17397803	rs2299640	A>G
17456122	rs3758953	A>G
17387508	rs2237992	G>A
17397960	rs2299639	G>A
17424892	rs7950189	G>A
17409155	rs2074308	G>A
17364600	rs2285676	A>G
17452548	rs11024300	G>A
17389866	rs7939973	C>A
17453091	rs1048099	G>A
17384476	rs2077654	C>G
17410018	rs4148618	G>A

Leptin	<i>LEP</i>	7	127677297	rs11763517	A>G
			127678322	rs11760956	G>A
			127680215	rs2071045	A>G
			127681119	rs7788818	G>A
			127669086	rs2278815	A>G

Leptin receptor	<i>LEPR</i>	1	65815606	rs3790426	C>A
			65660818	rs4655802	A>G
			65657944	rs3806318	A>G
			65878531	rs1892534	G>A
			65860730	rs7516341	A>G
			65659600	rs12145690	A>C
			65748434	rs6672331	G>C
			65869768	rs1892535	G>A
			65661441	rs9436297	A>G
			65809028	rs1137100	A>G

65848539	rs8179183	G>C
65722643	rs10158579	A>G
65710468	rs6704167	A>T
65668514	rs9436301	A>G
65666929	rs3790433	G>A
65772621	rs1022981	A>G
65716459	rs12409877	G>A
65670568	rs1045895	G>A
65836700	rs3762274	A>G
65751867	rs11208659	A>G
65831101	rs1137101	A>G
65761080	rs1171279	G>A
65803650	rs6673324	A>G
65681060	rs9436746	C>A
65670334	rs1887285	A>G
65708081	rs6588147	A>G
65679349	rs970467	G>A
65831388	rs4655537	G>A
65818704	rs10493380	A>C
65664488	rs9436740	T>A
65776442	rs1171267	C>A
65770327	rs6662904	G>A
65846401	rs11585329	C>A
65760733	rs1171278	G>A
65722465	rs2025805	G>A

Lipin 1

LPIN1

2

11809640	rs4315495	G>A
11816381	rs6726960	G>A
11850836	rs10520097	A>G
11835355	rs2278513	G>A
11883264	rs1050800	G>A
11800211	rs893346	A>G
11801430	rs4669778	A>G
11883767	rs11524	A>G
11858237	rs2577261	C>A
11836625	rs13013930	A>G
11847729	rs2358126	A>G
11839504	rs11695702	A>G
11854248	rs2577264	G>A
11889940	rs2577256	A>G
11800101	rs893349	G>A
11842400	rs3795974	G>A

Lipin 2	<i>LPIN2</i>	18	2931376	rs10853287	G>A
			2916401	rs3819090	C>A
			2920137	rs4797092	A>G
			2924196	rs9635812	G>A
			2907151	rs1164	A>G
			2958751	rs625527	A>C
			2909605	rs607549	A>T
			2906053	rs642926	A>G
			3000608	rs7233117	A>G
			3006125	rs10438875	G>A
			2969827	rs3934427	A>G
			3005143	rs6506041	A>C
			2996206	rs4570954	C>G
			2907222	rs1985	T>A
			2905218	rs3745013	A>G
			2991285	rs11661932	G>A
			2980699	rs661767	G>A
			2903895	rs1059281	C>G
2968534	rs11665524	A>G			
Lipin 3	<i>LPIN3</i>	20	39401601	rs6072343	G>A
			39421665	rs6065338	C>A
			39419498	rs12625565	A>C
			39402120	rs4810312	G>C
			39427606	rs7263195	A>G
			39411977	rs6029646	C>A
			39403607	rs4812495	C>G
			39402401	rs16985665	A>G
			39402926	rs6029636	C>A
Lipoprotein lipase	<i>LPL</i>	8	19864003	rs328	C>G
			19855285	rs249	A>G
			19868771	rs13702	A>G
			19855105	rs248	G>A
			19843920	rs1534649	C>A
			19847372	rs3779788	G>A
			19857955	rs270	C>A
			19870652	rs2197089	A>G
			19843824	rs17410577	C>G
			19859468	rs285	G>A
			19857459	rs264	G>A
19866094	rs10099160	A>C			

			19862715	rs316	C>A
			19859377	rs283	G>A
			19855696	rs253	G>A
Melanocortin 4 receptor	<i>MC4R</i>	18	56187482	rs8093815	G>A
			56191566	rs11872992	G>A
MLX interacting protein-like	<i>MLXIPL</i>	7	72645879	rs1051921	G>A
			72670200	rs7798357	G>C
			72679065	rs6967028	A>G
Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	<i>MMP9</i>	20	44075137	rs3787268	G>A
			44072917	rs3918253	A>G
			44073631	rs17576	A>G
			44075812	rs2250889	G>C
Microsomal triglyceride transfer protein	<i>MTTP</i>	4	100731434	rs982424	A>G
			100737269	rs17029213	C>A
			100744537	rs3828542	A>C
			100723686	rs3816873	A>G
			100727578	rs2035816	A>G
			100735044	rs2306985	G>C
			100758918	rs1032355	A>G
			100724007	rs1057613	G>A
			100762326	rs881980	A>C
V-myc myelocytomatosis viral oncogene homolog (avian)	<i>MYC</i>	8	128814447	rs16902364	A>C
			128812032	rs16902359	G>A
			128815525	rs17187428	G>A
			128819320	rs3891248	A>T
Neuromedin B	<i>NMB</i>	15	82999609	rs17598561	G>A
			83001757	rs2292462	A>C
			83001523	rs1051168	C>A
			82996662	rs7180849	G>A
Neuropeptide Y	<i>NPY</i>	7	24300593	rs16472	G>A
			24287938	rs12700524	A>G
			24294444	rs16135	G>A
			24288862	rs16148	A>G
			24291534	rs9785023	A>G

			24295657	rs5574	G>A
			24291283	rs16141	A>C
			24294201	rs3025118	C>A
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Nuclear receptor subfamily 1, group I, member 2	<i>NR1I2</i>	3	120982724	rs3814055	G>A
			120992070	rs1403526	A>G
			120989569	rs1403527	C>A
			120978245	rs11926554	A>G
			121002814	rs2461823	G>A
			121019270	rs3732360	A>G
			121024986	rs3732361	G>A
			120997757	rs16830505	A>G
			121019407	rs1054190	G>A
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Nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	<i>NR3C1</i>	5	142690178	rs33383	G>A
			142727512	rs11740792	A>G
			142772842	rs7701443	A>G
			142772676	rs9324924	C>A
			142659590	rs10482682	G>A
			142672725	rs10482672	G>A
			142641682	rs6196	A>G
			142747932	rs9324921	C>A
			142710568	rs4912905	C>G
			142798498	rs4912913	G>A
			142789464	rs12655166	A>G
			142781672	rs13182800	C>A
			142774917	rs4244032	A>G
			142738689	rs2963156	G>A
			142789139	rs12656106	C>G
			142736196	rs2963155	A>G
			142776724	rs4607376	A>G
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Nucleobindin 2	<i>NUCB2</i>	11	17262798	rs12419530	A>G
			17286373	rs10766383	C>A
			17255041	rs214086	G>C
			17277372	rs10741725	C>A
			17270096	rs214105	A>G
			17255965	rs214082	G>A
			17272604	rs1330	G>A
			17256992	rs214075	C>A
			17295702	rs2634462	G>A

			17257419	rs7127347	A>C
			17308258	rs757081	C>G
<hr/>					
Phosphoenolpyruvate carboxykinase 2 (mitochondrial)	<i>PCK2</i>	14	23642334	rs2071586	C>G
			23634523	rs9783666	C>A
			23647315	rs11629199	C>A
			23639786	rs2759407	A>G
			23639573	rs1951634	C>A
<hr/>					
Pyruvate kinase, liver and RBC	<i>PKLR</i>	1	153527006	rs1052176	C>A
<hr/>					
Protein kinase N2	<i>PKN2</i>	4	113014745	rs17044137	T>A
<hr/>					
Plasminogen activator, urokinase receptor	<i>PLAUR</i>	19	48854900	rs2283628	A>G
			48837382	rs4803648	T>A
			48854793	rs2239372	G>A
			48854072	rs4251864	A>G
			48848311	rs2302524	A>G
			48838769	rs4802189	C>A
			48860120	rs2239374	G>A
			48871795	rs344772	A>G
			48861577	rs4251831	G>C
			48866627	rs344781	A>G
			48843460	rs4251938	A>G
			48863864	rs2286960	G>A
<hr/>					
Patatin-like phospholipase domain containing 2	<i>PNPLA2</i>	11	818915	rs7126805	A>G
<hr/>					
Proopiomelanocortin	<i>POMC</i>	2	25238336	rs6713532	A>G
			25234076	rs1866146	A>G
			25243656	rs3769671	A>C
			25238988	rs6545975	A>G
			25239567	rs7565877	A>G
			25233411	rs6734859	G>A
			25242727	rs934778	A>G
			25239141	rs7565427	G>A
			25249515	rs6719226	G>C
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Peroxisome proliferator-activated receptor delta	<i>PPARD</i>	6	35439081	rs11751895	A>G

35470825	rs6457816	A>G
35438398	rs6902123	A>G
35485899	rs2267668	A>G
35489076	rs4713854	A>C
35430740	rs7744392	A>G
35482438	rs2038068	G>A
35473944	rs9658119	A>C
35496456	rs2076169	A>G

Peroxisome proliferator-activated
receptor gamma

PPARG

3

12363562	rs10510418	A>C
12437023	rs709157	G>A
12404467	rs2938395	A>G
12309415	rs2972164	G>A
12445238	rs1797912	A>C
12371587	rs4135247	A>G
12388338	rs2120825	A>C
12450556	rs3856806	G>A
12368124	rs1801282	C>G
12328197	rs10865710	C>G
12401935	rs10510419	C>A
12418843	rs4135275	A>G
12443462	rs13099634	G>A
12450161	rs7650895	A>C
12374406	rs12629751	G>A
12320970	rs17793693	C>A
12412236	rs4135268	G>C
12365134	rs12497191	A>G

Peroxisome proliferator-activated
receptor gamma, coactivator 1 alpha

PPARGCIA

4

23495420	rs2946385	C>A
23473509	rs4235308	A>G
23491616	rs11734408	A>G
23490082	rs17637318	A>G
23462108	rs7665116	A>G
23502114	rs2970870	A>G
23494665	rs12500214	G>A
23505571	rs7657071	C>A
23425021	rs2970847	G>A
23473906	rs4697426	G>A
23475436	rs10213440	A>G
23466384	rs10002521	A>G
23480118	rs9996943	G>A
23432616	rs2970853	G>A

			23403349	rs2279525	A>G
			23492893	rs4469064	A>G
			23426124	rs2970848	A>G
			23484772	rs4361373	A>G
			23436342	rs2970855	A>T
			23440019	rs2305681	A>G
			23423804	rs3736265	G>A
			23424759	rs8192678	G>A
			23438411	rs1388332	A>G
			23431425	rs2932976	G>A
			23463580	rs12374408	G>A
			23490445	rs7674429	G>A
			23419744	rs3774921	A>G
			23489612	rs13117172	G>A
			23502466	rs2970869	G>A
			23465071	rs7437482	A>C
			23412304	rs7682765	A>G
			23468579	rs6850464	A>G
			23404161	rs3774923	G>A
<hr/>					
Phosphatase and tensin homolog	<i>PTEN</i>	10	89711391	rs926091	G>A
			89713321	rs532678	G>A
			89637133	rs11202596	G>A
			89635452	rs1234220	A>G
			89639556	rs1234219	A>G
			89640738	rs1234218	G>A
			89702452	rs2673832	A>G
			89721849	rs478839	A>G
			89647129	rs2299939	C>A
<hr/>					
Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	<i>PTGSI</i>	9	124173299	rs1236913	G>A
			124176704	rs1213266	G>A
			124201690	rs12353214	G>A
			124199341	rs10306202	G>A
			124188452	rs6478565	A>G
			124177515	rs10306135	T>A
			124183793	rs5789	C>A
			124180516	rs2282169	G>C
			124183612	rs5788	C>A
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Phosphorylase, glycogen, liver	<i>PYGL</i>	14	50483173	rs1538615	A>G
			50457531	rs946616	G>A

			50473710	rs1890707	G>C
			50458581	rs10138493	G>A
			50469909	rs8006455	G>A
			50438151	rs12889552	A>G
			50477329	rs1890706	G>A
			50478507	rs7149936	A>G
			50464832	rs3783273	G>A
			50458311	rs17123178	A>T
			50464229	rs8022952	G>A
Peptide YY	<i>PYY</i>	17	39435090	rs1859223	G>C
			39407614	rs9907468	G>A
			39421450	rs1618809	G>A
			39382855	rs8079623	G>C
			39386056	rs1058046	G>C
			39381050	rs1662754	A>T
			39438166	rs3744419	G>A
Solute carrier family 30 (zinc transporter), member 8	<i>SLC30A8</i>	8	118253963	rs13266634	G>A
Taste receptor, type 1, member 1	<i>TAS1R1</i>	1	6549201	rs12080675	A>C
			6560650	rs11122100	A>G
			6536816	rs10864625	G>A
			6554017	rs11587438	A>G
			6562433	rs4908932	C>A
Taste receptor, type 1, member 2	<i>TAS1R2</i>	1	19052410	rs4920566	A>G
			19058715	rs9701796	G>C
			19042664	rs7534618	A>C
			19049253	rs6603923	A>C
			19038880	rs12033832	G>A
			19036153	rs4920552	G>A
			19049494	rs4076838	A>G
			19037069	rs12036097	G>A
			19039957	rs3935570	C>A
			19034619	rs11261089	G>C
			19043532	rs12408808	G>A
Transcription factor 7-like 2 (T-cell specific, HMG-box)	<i>TCF7L2</i>	10	114798891	rs12255372	C>A
			114791514	rs7895340	G>A
			114748338	rs7903146	G>A

			114767713	rs10885406	A>G
			114777001	rs7924080	A>G
			114786106	rs11196199	A>G
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Toll-like receptor 4	<i>TLR4</i>	9	19509652	rs11536869	A>G
			119520632	rs1554973	A>G
			119504964	rs10759932	A>G
			119519935	rs1927906	A>G
			119523459	rs7037225	G>A
			119502535	rs2737191	A>G
			119521676	rs7856729	C>A
			119517951	rs11536889	G>C
			119501441	rs10759930	G>A
			119509874	rs1927911	G>A
			119523829	rs913930	A>G
			119504545	rs1927914	A>G
			119519830	rs11536897	G>A
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Tumor necrosis factor	<i>TNF</i>	6	31648763	rs1041981	C>A
			31650286	rs1799964	A>G
			31646476	rs915654	T>A
			31652167	rs3093662	A>G
			31650454	rs1800630	C>A
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Tubby homolog (mouse)	<i>TUB</i>	11	8018501	rs1406094	C>A
			8027398	rs4758274	G>A
			8024026	rs2141322	A>G
			8039304	rs2280726	A>G
			8013374	rs2178152	A>G
			8055764	rs7926527	A>G
			8046521	rs7114018	G>A
			8057748	rs4758040	A>G
			8015485	rs1950008	G>A
			8054009	rs3794018	A>G
			8032750	rs10839972	C>A
			8074678	rs2242501	G>A
			8072274	rs4758289	A>G
			8035279	rs11041723	A>C
			8088876	rs11826236	G>A
			8055692	rs7926428	G>A
			8051077	rs6578921	A>G
			8047748	rs1881238	G>A
			8077176	rs16935778	A>G

8075047	rs2242503	G>A
8073495	rs3752898	C>G
8051257	rs1406095	A>G
8077477	rs7481121	G>A
8080074	rs2272383	A>G
8072337	rs7396690	G>C
8066223	rs4385931	C>G
8042227	rs11601971	G>A
8015883	rs12799847	G>A
8070170	rs7939737	G>A
8066384	rs7480804	T>A

Vascular endothelial growth factor A	<i>VEGFA</i>	6	43918951	rs9369425	A>G
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WW domain containing adaptor with coiled-coil	<i>WAC</i>	10	28934115	rs332166	A>G
			28883483	rs1411189	G>A
			28907960	rs332144	G>A
			28899084	rs332139	A>G
			28871569	rs17686203	A>G
			28865694	rs2790444	G>A

Supplementary Table 2A. SNP main effect on total cholesterol at baseline

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>PPARGC1A</i>	rs10002521	820	0.31	0.19	0.09	0.29	0.000128
<i>NR1I2</i>	rs3814055	822	0.38	0.13	0.04	0.22	0.006103
<i>LPIN2</i>	rs10853287	821	0.12	0.17	0.03	0.30	0.014204
<i>MTTP</i>	rs1032355	822	0.19	0.14	0.02	0.25	0.017535
<i>MTTP</i>	rs3828542	822	0.17	-0.14	-0.26	-0.02	0.020399
<i>PPARGC1A</i>	rs9996943	822	0.42	0.10	0.01	0.19	0.028824
<i>PPARGC1A</i>	rs4235308	821	0.41	-0.10	-0.19	-0.01	0.033288
<i>LPL</i>	rs328	822	0.12	0.15	0.01	0.29	0.037197
<i>LPIN1</i>	rs4315495	821	0.42	0.09	0.00	0.18	0.039145
<i>LPIN3</i>	rs6065338	821	0.18	-0.12	-0.24	-0.01	0.039418
<i>NR1I2</i>	rs1403527	821	0.18	0.13	0.00	0.25	0.042259
<i>MTTP</i>	rs2035816	822	0.10	0.15	0.00	0.31	0.049439
<i>PPARGC1A</i>	rs12374408	822	0.29	0.10	0.00	0.20	0.053749
<i>LEP</i>	rs2278815	822	0.46	-0.09	-0.18	0.00	0.054928
<i>CTSS</i>	rs11576175	822	0.11	0.14	0.00	0.28	0.056122
<i>LPIN3</i>	rs6072343	820	0.14	-0.12	-0.25	0.00	0.059298
<i>LPL</i>	rs316	822	0.13	-0.13	-0.26	0.01	0.061929
<i>FABP4</i>	rs16909192	822	0.19	-0.11	-0.23	0.01	0.062650
<i>ATF6</i>	rs1136046	822	0.15	-0.11	-0.24	0.01	0.072843
<i>LPIN1</i>	rs6726960	822	0.23	-0.10	-0.20	0.01	0.075154
<i>BHLHE40</i>	rs11918262	822	0.18	-0.10	-0.21	0.01	0.087587
<i>PPARGC1A</i>	rs6850464	822	0.14	-0.11	-0.24	0.02	0.087738
<i>LPIN3</i>	rs12625565	820	0.22	-0.09	-0.20	0.01	0.091491
<i>CTSS</i>	rs7511673	822	0.39	-0.08	-0.17	0.01	0.093085
<i>FABP1</i>	rs2919867	822	0.20	-0.10	-0.21	0.02	0.093096
<i>PPARD</i>	rs6902123	822	0.09	-0.13	-0.29	0.02	0.093458
<i>PPARGC1A</i>	rs2279525	789	0.29	-0.09	-0.19	0.02	0.100251
<i>PCK2</i>	rs2759407	822	0.07	0.14	-0.03	0.30	0.103488
<i>LPIN2</i>	rs7233117	822	0.30	-0.08	-0.18	0.02	0.113473
<i>BHLHE40</i>	rs908078	822	0.17	-0.10	-0.22	0.02	0.115215
<i>CAV1</i>	rs959173	822	0.16	0.10	-0.02	0.22	0.115500
<i>MTTP</i>	rs881980	822	0.14	-0.10	-0.23	0.03	0.120497
<i>PPARGC1A</i>	rs10213440	816	0.17	-0.09	-0.21	0.03	0.126105
<i>ATF6</i>	rs12086247	821	0.13	-0.10	-0.23	0.03	0.137600
<i>MTTP</i>	rs3816873	822	0.28	0.08	-0.02	0.18	0.138132
<i>PPARD</i>	rs6457816	821	0.09	-0.12	-0.27	0.04	0.138240
<i>ATF6</i>	rs2499851	821	0.31	0.07	-0.03	0.17	0.151679
<i>PPARGC1A</i>	rs2946385	822	0.42	-0.07	-0.15	0.02	0.151948
<i>ADIPOQ</i>	rs12495941	822	0.37	0.06	-0.02	0.15	0.156405
<i>PPARGC1A</i>	rs7437482	822	0.35	-0.06	-0.15	0.03	0.170137
<i>LPIN3</i>	rs4810312	817	0.41	-0.06	-0.15	0.03	0.174295
<i>PPARGC1A</i>	rs4697426	822	0.23	-0.07	-0.18	0.03	0.175823
<i>LPL</i>	rs13702	821	0.33	0.07	-0.03	0.16	0.176512
<i>MLXIPL</i>	rs1051921	819	0.16	-0.08	-0.19	0.04	0.179188
<i>ADRB3</i>	rs4994	822	0.07	0.12	-0.06	0.29	0.182023
<i>ATF6</i>	rs1135983	822	0.09	-0.11	-0.26	0.05	0.183806
<i>LPIN1</i>	rs893346	820	0.06	-0.13	-0.31	0.06	0.184454
<i>MMP9</i>	rs2250889	821	0.05	-0.14	-0.34	0.07	0.184732
<i>CAV1</i>	rs2052106	820	0.34	0.06	-0.03	0.16	0.186215

<i>PPARG</i>	rs12629751	822	0.09	-0.11	-0.26	0.05	0.187304
<i>ATF6</i>	rs12044770	820	0.09	-0.11	-0.26	0.05	0.189262
<i>ADRB3</i>	rs2071493	822	0.06	0.12	-0.06	0.30	0.189363
<i>LPL</i>	rs2197089	822	0.44	-0.06	-0.15	0.03	0.190515
<i>LPIN3</i>	rs7263195	822	0.05	0.13	-0.07	0.34	0.193145
<i>FABP4</i>	rs10099756	822	0.30	-0.07	-0.16	0.03	0.193280
<i>LPIN1</i>	rs10520097	822	0.16	0.08	-0.04	0.20	0.196026
<i>ATF6</i>	rs6695284	822	0.09	-0.10	-0.26	0.05	0.196059
<i>PPARD</i>	rs7744392	821	0.05	-0.12	-0.31	0.06	0.197280
<i>LPIN2</i>	rs625527	822	0.43	0.06	-0.03	0.14	0.198954
<i>LPIN1</i>	rs2278513	822	0.45	-0.06	-0.14	0.03	0.205603
<i>LPIN1</i>	rs893349	822	0.43	0.06	-0.03	0.14	0.214018
<i>CAV1</i>	rs926198	820	0.37	0.06	-0.03	0.15	0.214855
<i>ADRB3</i>	rs4997	821	0.06	0.11	-0.07	0.29	0.218599
<i>LPIN2</i>	rs11665524	822	0.16	-0.07	-0.19	0.04	0.219849
<i>NR1I2</i>	rs11926554	821	0.21	0.07	-0.04	0.18	0.236274
<i>ADIPOQ</i>	rs822387	822	0.07	-0.10	-0.28	0.07	0.237414
<i>PPARGC1A</i>	rs13117172	822	0.19	0.07	-0.05	0.19	0.237943
<i>LPL</i>	rs3779788	822	0.16	0.07	-0.05	0.19	0.241445
<i>ATF6</i>	rs2271012	809	0.09	-0.09	-0.25	0.07	0.258556
<i>FABP1</i>	rs2919871	820	0.27	0.06	-0.04	0.15	0.260856
<i>ADRB3</i>	rs4998	820	0.06	0.10	-0.08	0.28	0.262735
<i>ATF6</i>	rs7554023	822	0.19	0.07	-0.05	0.18	0.262924
<i>LPIN1</i>	rs3795974	821	0.40	0.05	-0.04	0.14	0.266179
<i>CAV1</i>	rs3779512	822	0.44	0.05	-0.04	0.14	0.276444
<i>ADIPOQ</i>	rs7649121	821	0.18	-0.06	-0.18	0.05	0.292125
<i>LPIN2</i>	rs3934427	808	0.11	0.07	-0.07	0.21	0.296734
<i>NR1I2</i>	rs2461823	822	0.35	-0.05	-0.14	0.04	0.298469
<i>LPL</i>	rs264	820	0.16	0.06	-0.06	0.19	0.301036
<i>LPIN2</i>	rs11661932	822	0.10	-0.08	-0.23	0.07	0.302386
<i>LPIN2</i>	rs3745013	822	0.35	0.05	-0.04	0.13	0.302633
<i>PPARD</i>	rs11751895	822	0.03	-0.15	-0.44	0.14	0.317495
<i>PPARGC1A</i>	rs2970869	822	0.22	-0.05	-0.16	0.05	0.318890
<i>PPARG</i>	rs2972164	822	0.48	-0.05	-0.14	0.04	0.322408
<i>PPARGC1A</i>	rs4361373	822	0.15	0.06	-0.06	0.18	0.336147
<i>PCK2</i>	rs11629199	822	0.10	-0.07	-0.22	0.08	0.338144
<i>CAV1</i>	rs3807989	822	0.41	0.04	-0.05	0.14	0.344488
<i>FABP4</i>	rs10109480	822	0.10	0.07	-0.07	0.21	0.346028
<i>LPIN2</i>	rs1164	822	0.19	-0.05	-0.17	0.06	0.346578
<i>FNTA</i>	rs13282019	822	0.05	-0.09	-0.27	0.10	0.349185
<i>ATF6</i>	rs1394070	822	0.14	0.06	-0.07	0.18	0.351678
<i>BHLHE40</i>	rs2137947	822	0.21	-0.05	-0.15	0.06	0.361315
<i>LEP</i>	rs11760956	813	0.38	-0.04	-0.14	0.05	0.361897
<i>NR1I2</i>	rs1054190	822	0.12	-0.06	-0.20	0.07	0.362479
<i>PPARD</i>	rs2038068	819	0.24	-0.05	-0.15	0.06	0.364785
<i>PCK2</i>	rs2071586	806	0.24	0.05	-0.06	0.16	0.370308
<i>LPIN1</i>	rs11524	822	0.12	-0.06	-0.19	0.07	0.371993
<i>ATF6</i>	rs12079579	822	0.07	-0.08	-0.25	0.10	0.378309
<i>PPARGC1A</i>	rs2970848	822	0.33	-0.04	-0.14	0.05	0.381047
<i>ATF6</i>	rs1058405	822	0.26	0.04	-0.06	0.14	0.389079
<i>MLXIPL</i>	rs6967028	822	0.10	0.06	-0.08	0.21	0.396013
<i>LPIN1</i>	rs2577261	822	0.10	-0.06	-0.21	0.09	0.401561

<i>ATF6</i>	rs3795649	822	0.38	-0.04	-0.13	0.05	0.408687
<i>ATF6</i>	rs10737517	821	0.28	-0.04	-0.14	0.06	0.416487
<i>LPIN3</i>	rs6029646	820	0.26	-0.04	-0.14	0.06	0.418200
<i>FABP1</i>	rs894194	822	0.24	0.04	-0.06	0.14	0.419617
<i>LPIN2</i>	rs1059281	821	0.29	0.04	-0.06	0.13	0.428370
<i>LPIN1</i>	rs2577256	819	0.48	-0.04	-0.13	0.05	0.432404
<i>ATF6</i>	rs1417580	822	0.45	0.04	-0.06	0.13	0.435128
<i>PPARGC1A</i>	rs2970847	822	0.17	0.05	-0.07	0.16	0.435270
<i>PCK2</i>	rs9783666	820	0.06	0.07	-0.11	0.26	0.444231
<i>CAV1</i>	rs3807995	821	0.07	-0.07	-0.24	0.11	0.445865
<i>NR1I2</i>	rs1403526	822	0.29	-0.04	-0.14	0.06	0.451587
<i>LPIN1</i>	rs2358126	822	0.46	0.03	-0.05	0.12	0.459872
<i>PPARG</i>	rs12497191	818	0.14	-0.05	-0.18	0.08	0.468303
<i>ATF6</i>	rs12032568	818	0.11	-0.05	-0.20	0.09	0.474928
<i>BHLHE40</i>	rs1588794	822	0.10	0.05	-0.10	0.21	0.475818
<i>ATF6</i>	rs2499854	822	0.33	-0.03	-0.13	0.06	0.478889
<i>LEP</i>	rs11763517	822	0.50	-0.03	-0.13	0.06	0.479580
<i>PPARD</i>	rs2267668	822	0.16	-0.05	-0.17	0.08	0.479885
<i>LPL</i>	rs285	822	0.49	0.03	-0.06	0.12	0.480110
<i>PPARGC1A</i>	rs2970853	822	0.23	0.04	-0.07	0.14	0.480469
<i>NR1I2</i>	rs3732360	821	0.26	0.04	-0.07	0.14	0.488061
<i>ADRB2</i>	rs1042713	822	0.39	-0.03	-0.12	0.06	0.491420
<i>ADIPOQ</i>	rs822396	822	0.17	-0.04	-0.16	0.08	0.494166
<i>CAV1</i>	rs1049337	822	0.27	-0.04	-0.14	0.07	0.499544
<i>ADRB2</i>	rs1042719	822	0.29	0.03	-0.07	0.14	0.501188
<i>ATF6</i>	rs12026254	817	0.11	-0.05	-0.20	0.10	0.503924
<i>PPARGC1A</i>	rs7665116	816	0.13	0.05	-0.09	0.18	0.506880
<i>PPARG</i>	rs7650895	822	0.19	0.04	-0.08	0.16	0.506904
<i>ATF6</i>	rs4657110	822	0.11	-0.05	-0.20	0.10	0.511410
<i>ATF6</i>	rs6670606	822	0.11	-0.05	-0.20	0.10	0.511410
<i>ADIPOQ</i>	rs16861194	822	0.08	-0.05	-0.21	0.11	0.513641
<i>ADIPOQ</i>	rs182052	822	0.36	-0.03	-0.12	0.06	0.530478
<i>BHLHE40</i>	rs11130215	821	0.19	-0.04	-0.15	0.08	0.533754
<i>PPARG</i>	rs709157	822	0.29	0.03	-0.07	0.13	0.536188
<i>LPIN1</i>	rs4669778	822	0.46	-0.03	-0.11	0.06	0.538040
<i>FNTA</i>	rs10958736	822	0.11	0.04	-0.09	0.17	0.540754
<i>PPARGC1A</i>	rs2932976	822	0.26	-0.03	-0.14	0.07	0.545472
<i>PPARGC1A</i>	rs11734408	822	0.28	0.03	-0.07	0.13	0.560321
<i>LPIN2</i>	rs1985	822	0.31	0.03	-0.07	0.12	0.565620
<i>CAV1</i>	rs9920	822	0.10	-0.04	-0.19	0.11	0.567550
<i>LPL</i>	rs1534649	821	0.42	-0.03	-0.11	0.06	0.583275
<i>MTTP</i>	rs1057613	822	0.49	0.03	-0.07	0.12	0.583667
<i>PPARGC1A</i>	rs4469064	822	0.09	-0.04	-0.20	0.11	0.585012
<i>ATF6</i>	rs2134697	821	0.27	-0.03	-0.13	0.07	0.585521
<i>MMP9</i>	rs3918253	810	0.44	-0.03	-0.12	0.07	0.586978
<i>ADIPOQ</i>	rs17366568	822	0.14	0.03	-0.09	0.16	0.588322
<i>LPIN2</i>	rs607549	821	0.27	0.03	-0.07	0.13	0.597820
<i>LPIN2</i>	rs9635812	822	0.28	0.03	-0.07	0.12	0.598451
<i>LPIN2</i>	rs3819090	822	0.29	0.03	-0.07	0.12	0.600108
<i>PPARG</i>	rs1797912	822	0.35	0.02	-0.07	0.12	0.601848
<i>PPARG</i>	rs1801282	822	0.13	0.03	-0.10	0.17	0.603658
<i>LPL</i>	rs17410577	822	0.17	-0.03	-0.14	0.08	0.605965

<i>PPARG</i>	rs4135247	822	0.42	0.02	-0.07	0.12	0.611704
<i>PPARGC1A</i>	rs3774921	822	0.46	-0.02	-0.11	0.07	0.623301
<i>LEPR</i>	rs1022981	822	0.25	-0.03	-0.13	0.08	0.624578
<i>CTSS</i>	rs1136774	822	0.49	-0.02	-0.11	0.07	0.629522
<i>LEP</i>	rs2071045	822	0.24	0.02	-0.08	0.12	0.629933
<i>MTTP</i>	rs17029213	821	0.03	-0.06	-0.30	0.18	0.639990
<i>LPIN1</i>	rs11695702	822	0.28	0.02	-0.07	0.12	0.642167
<i>ADIPOQ</i>	rs3821799	822	0.47	0.02	-0.07	0.11	0.642383
<i>PPARD</i>	rs2076169	822	0.10	-0.04	-0.19	0.12	0.645135
<i>PPARGC1A</i>	rs7682765	822	0.06	0.04	-0.14	0.22	0.645731
<i>ATF6</i>	rs4657100	822	0.11	-0.03	-0.18	0.11	0.650658
<i>BHLHE40</i>	rs11925620	822	0.04	0.05	-0.16	0.25	0.651744
<i>LPIN2</i>	rs4797092	822	0.08	0.04	-0.13	0.20	0.658027
<i>PPARGC1A</i>	rs2970855	822	0.33	0.02	-0.07	0.11	0.658517
<i>LPIN2</i>	rs6506041	822	0.32	-0.02	-0.12	0.08	0.659942
<i>ATF6</i>	rs9482	822	0.30	-0.02	-0.12	0.07	0.664501
<i>CEBPB</i>	rs2904254	822	0.17	-0.03	-0.15	0.09	0.669298
<i>CAVI</i>	rs8713	822	0.18	0.03	-0.09	0.14	0.670382
<i>LPL</i>	rs10099160	821	0.20	0.02	-0.08	0.13	0.680211
<i>PPARG</i>	rs10865710	822	0.26	-0.02	-0.12	0.08	0.680998
<i>MLXIPL</i>	rs7798357	821	0.26	-0.02	-0.12	0.08	0.681002
<i>LPIN1</i>	rs1050800	822	0.16	0.03	-0.10	0.15	0.681255
<i>MMP9</i>	rs3787268	822	0.21	-0.02	-0.13	0.09	0.682845
<i>PPARG</i>	rs13099634	820	0.19	0.02	-0.09	0.14	0.687438
<i>PPARG</i>	rs10510419	820	0.16	0.02	-0.10	0.15	0.702319
<i>PPARG</i>	rs4135268	822	0.07	0.03	-0.14	0.20	0.703681
<i>LPL</i>	rs248	822	0.07	-0.03	-0.20	0.14	0.703916
<i>PPARD</i>	rs4713854	822	0.07	0.03	-0.14	0.21	0.704963
<i>PPARGC1A</i>	rs17637318	822	0.28	0.02	-0.08	0.12	0.709012
<i>PPARGC1A</i>	rs1388332	822	0.08	-0.03	-0.19	0.13	0.710525
<i>ATF6</i>	rs3767635	822	0.31	-0.02	-0.11	0.08	0.713975
<i>PPARGC1A</i>	rs12500214	822	0.22	-0.02	-0.13	0.09	0.716285
<i>ADRB2</i>	rs2400707	822	0.41	-0.02	-0.11	0.07	0.723598
<i>PPARGC1A</i>	rs7674429	822	0.17	0.02	-0.10	0.14	0.726440
<i>LPL</i>	rs249	822	0.09	-0.03	-0.18	0.13	0.730567
<i>CEBPB</i>	rs4253449	822	0.05	-0.04	-0.26	0.18	0.731847
<i>MTTP</i>	rs982424	822	0.06	-0.03	-0.22	0.16	0.735221
<i>MMP9</i>	rs17576	820	0.36	0.02	-0.08	0.11	0.737503
<i>APP</i>	rs1876063	822	0.24	0.02	-0.09	0.12	0.738313
<i>ADIPOQ</i>	rs3774261	822	0.41	0.01	-0.07	0.10	0.745954
<i>FABP1</i>	rs2970902	822	0.37	-0.01	-0.11	0.08	0.748612
<i>ATF6</i>	rs10918215	822	0.30	-0.02	-0.11	0.08	0.749086
<i>ADIPOQ</i>	rs1501299	822	0.28	0.02	-0.08	0.12	0.749914
<i>LPIN2</i>	rs642926	820	0.34	-0.02	-0.11	0.08	0.749941
<i>LPL</i>	rs253	822	0.46	0.01	-0.07	0.10	0.753320
<i>PPARGC1A</i>	rs7657071	822	0.30	-0.02	-0.11	0.08	0.755030
<i>LPIN2</i>	rs661767	821	0.30	-0.01	-0.11	0.08	0.759823
<i>ATF6</i>	rs4417044	822	0.25	0.02	-0.09	0.12	0.760377
<i>FABP1</i>	rs1441644	820	0.29	-0.01	-0.11	0.08	0.767276
<i>LPIN3</i>	rs16985665	821	0.20	-0.02	-0.12	0.09	0.770950
<i>LPIN2</i>	rs4570954	822	0.20	-0.02	-0.13	0.10	0.771656
<i>LPIN2</i>	rs10438875	822	0.23	0.02	-0.09	0.12	0.771702

<i>LPIN1</i>	rs2577264	819	0.40	0.01	-0.08	0.10	0.777249
<i>LPIN1</i>	rs13013930	822	0.25	0.01	-0.09	0.11	0.781849
<i>BHLHE40</i>	rs1467159	822	0.49	0.01	-0.08	0.10	0.796564
<i>ATF6</i>	rs12130299	822	0.25	0.01	-0.09	0.12	0.801737
<i>LPL</i>	rs270	822	0.14	0.01	-0.11	0.14	0.827418
<i>PPARGC1A</i>	rs2305681	821	0.05	0.02	-0.19	0.23	0.827431
<i>LPIN3</i>	rs4812495	808	0.14	0.01	-0.11	0.14	0.830980
<i>PPARG</i>	rs3856806	822	0.12	0.01	-0.12	0.15	0.849854
<i>CAVI</i>	rs3815412	821	0.25	-0.01	-0.11	0.09	0.862731
<i>PPARGC1A</i>	rs3774923	805	0.04	-0.02	-0.26	0.22	0.863361
<i>ADIPOQ</i>	rs2241766	822	0.13	0.01	-0.12	0.15	0.869102
<i>NR1I2</i>	rs3732361	822	0.38	0.01	-0.08	0.10	0.874510
<i>CEBPB</i>	rs6020348	822	0.42	-0.01	-0.09	0.08	0.887467
<i>PPARGC1A</i>	rs8192678	822	0.35	0.01	-0.09	0.10	0.890736
<i>ADIPOQ</i>	rs2241767	822	0.13	0.01	-0.13	0.15	0.896095
<i>PPARG</i>	rs4135275	822	0.19	-0.01	-0.12	0.11	0.901381
<i>PCK2</i>	rs1951634	822	0.28	-0.01	-0.10	0.09	0.902360
<i>ATF6</i>	rs10918092	817	0.36	-0.01	-0.10	0.09	0.904662
<i>BHLHE40</i>	rs1110261	819	0.21	0.01	-0.10	0.12	0.908825
<i>PPARG</i>	rs10510418	822	0.31	0.00	-0.10	0.09	0.929909
<i>MTTP</i>	rs2306985	822	0.37	0.00	-0.09	0.10	0.930486
<i>NR1I2</i>	rs16830505	822	0.12	-0.01	-0.15	0.13	0.934323
<i>FABP1</i>	rs2241883	822	0.33	0.00	-0.10	0.09	0.951842
<i>PPARGC1A</i>	rs3736265	822	0.07	-0.01	-0.18	0.17	0.955376
<i>BHLHE40</i>	rs11920786	821	0.15	0.00	-0.12	0.13	0.957497
<i>CAVI</i>	rs4730751	822	0.28	0.00	-0.10	0.10	0.962108
<i>LPIN3</i>	rs6029636	822	0.26	0.00	-0.10	0.10	0.965627
<i>PPARG</i>	rs2120825	822	0.11	0.00	-0.14	0.13	0.974275
<i>ATF6</i>	rs4657101	819	0.27	0.00	-0.10	0.10	0.974708
<i>PPARG</i>	rs17793693	822	0.10	0.00	-0.15	0.15	0.979540
<i>FABP1</i>	rs2970903	822	0.11	0.00	-0.14	0.14	0.980024
<i>PPARD</i>	rs9658119	821	0.13	0.00	-0.13	0.14	0.981339
<i>PPARG</i>	rs2938395	822	0.36	0.00	-0.09	0.10	0.989952
<i>LPL</i>	rs283	820	0.20	0.00	-0.11	0.11	0.995218
<i>LEP</i>	rs7788818	822	0.06	0.00	-0.18	0.18	0.996658
<i>CNTNAP2</i>	rs17170068	820	0.34	0.00	-0.10	0.10	0.997984
<i>PPARGC1A</i>	rs2970870	822	0.42	0.00	-0.09	0.09	0.998908

Supplementary Table 2B. SNP main effect on LDL-cholesterol at baseline

Gene	SNP	N	MAF	B			<i>P</i>
				mmol/l/allele	L95%CI	U95%CI	
<i>PPARGC1A</i>	rs10002521	817	0.31	0.16	0.08	0.25	0.000247
<i>APP</i>	rs2830104	819	0.13	-0.20	-0.32	-0.08	0.000979
<i>MTTP</i>	rs3828542	819	0.17	-0.15	-0.26	-0.05	0.003864
<i>MTTP</i>	rs1032355	819	0.19	0.14	0.03	0.24	0.008689
<i>PPARGC1A</i>	rs9996943	819	0.42	0.10	0.01	0.18	0.021067
<i>MTTP</i>	rs881980	819	0.14	-0.13	-0.24	-0.02	0.026185
<i>ATF6</i>	rs1136046	819	0.15	-0.12	-0.24	-0.01	0.030285
<i>MTTP</i>	rs2035816	819	0.10	0.15	0.01	0.29	0.032421
<i>LEP</i>	rs2278815	819	0.46	-0.09	-0.17	-0.01	0.034481
<i>LPIN2</i>	rs10853287	818	0.12	0.13	0.01	0.25	0.036852
<i>ADIPOQ</i>	rs7649121	818	0.18	-0.10	-0.21	0.00	0.046755
<i>BHLHE40</i>	rs11918262	819	0.18	-0.10	-0.20	0.00	0.053439
<i>NR1I2</i>	rs3814055	819	0.38	0.08	0.00	0.16	0.053733
<i>FABP4</i>	rs16909192	819	0.19	-0.10	-0.21	0.00	0.054400
<i>PPARGC1A</i>	rs2279525	785	0.29	-0.08	-0.17	0.01	0.066864
<i>MTTP</i>	rs3816873	819	0.28	0.08	-0.01	0.17	0.067319
<i>BHLHE40</i>	rs908078	819	0.17	-0.10	-0.21	0.01	0.068214
<i>PPARD</i>	rs6902123	819	0.09	-0.13	-0.27	0.01	0.069438
<i>PPARGC1A</i>	rs4235308	818	0.41	-0.07	-0.15	0.01	0.087163
<i>CTSS</i>	rs11576175	819	0.11	0.11	-0.02	0.23	0.087412
<i>ATF6</i>	rs1135983	819	0.09	-0.12	-0.26	0.02	0.092127
<i>ATF6</i>	rs12044770	817	0.09	-0.12	-0.26	0.02	0.099820
<i>LPIN3</i>	rs6065338	818	0.18	-0.09	-0.19	0.02	0.103222
<i>PPARGC1A</i>	rs12374408	819	0.29	0.07	-0.02	0.16	0.103543
<i>ATF6</i>	rs6695284	819	0.09	-0.12	-0.26	0.02	0.103619
<i>LPL</i>	rs2197089	819	0.44	-0.07	-0.15	0.01	0.104507
<i>PPARGC1A</i>	rs7437482	819	0.35	-0.07	-0.15	0.02	0.111951
<i>PPARD</i>	rs6457816	818	0.09	-0.11	-0.25	0.03	0.115156
<i>LPIN1</i>	rs4315495	818	0.42	0.06	-0.02	0.14	0.115238
<i>PPARGC1A</i>	rs13117172	819	0.19	0.09	-0.02	0.19	0.115376
<i>LPL</i>	rs328	819	0.12	0.10	-0.02	0.23	0.116211
<i>NR1I2</i>	rs1403527	818	0.18	0.09	-0.02	0.20	0.116948
<i>LPIN3</i>	rs6072343	817	0.14	-0.09	-0.21	0.02	0.118423
<i>CAV1</i>	rs959173	819	0.16	0.08	-0.02	0.19	0.125818
<i>LPIN1</i>	rs2278513	819	0.45	-0.06	-0.14	0.02	0.126909
<i>LPL</i>	rs316	819	0.13	-0.09	-0.21	0.03	0.129618
<i>LPIN3</i>	rs12625565	817	0.22	-0.07	-0.17	0.02	0.136642
<i>CAV1</i>	rs926198	817	0.37	0.06	-0.02	0.15	0.137951
<i>ATF6</i>	rs2271012	806	0.09	-0.11	-0.25	0.04	0.140499
<i>PPARGC1A</i>	rs2970847	819	0.17	0.07	-0.03	0.18	0.157158
<i>MLXIPL</i>	rs6967028	819	0.10	0.09	-0.04	0.23	0.160857
<i>LPIN2</i>	rs11665524	819	0.16	-0.07	-0.18	0.03	0.170538
<i>MMP9</i>	rs2250889	818	0.05	-0.13	-0.31	0.05	0.170965
<i>NR1I2</i>	rs1054190	819	0.12	-0.09	-0.21	0.04	0.175180
<i>LPIN3</i>	rs7263195	819	0.05	0.12	-0.06	0.31	0.177946
<i>LPIN2</i>	rs3745013	819	0.35	0.05	-0.02	0.13	0.178479
<i>LPIN2</i>	rs607549	818	0.27	0.06	-0.03	0.15	0.184959
<i>LPL</i>	rs3779788	819	0.16	0.07	-0.04	0.18	0.187377
<i>PPARGC1A</i>	rs10213440	813	0.17	-0.07	-0.17	0.03	0.192288

<i>CTSS</i>	rs10888390	818	0.36	-0.05	-0.14	0.03	0.196804
<i>FABP1</i>	rs2919867	819	0.20	-0.06	-0.16	0.03	0.200190
<i>PCK2</i>	rs2759407	819	0.07	0.10	-0.05	0.24	0.200462
<i>ATF6</i>	rs10737517	818	0.28	-0.06	-0.14	0.03	0.202597
<i>ADIPOQ</i>	rs182052	819	0.36	-0.05	-0.13	0.03	0.207287
<i>PPARD</i>	rs7744392	818	0.05	-0.11	-0.27	0.06	0.208744
<i>FNTA</i>	rs13282019	819	0.05	-0.11	-0.27	0.06	0.210782
<i>LPIN2</i>	rs11661932	819	0.10	-0.08	-0.22	0.05	0.213897
<i>ATF6</i>	rs2499851	818	0.31	0.05	-0.03	0.14	0.217210
<i>LPIN1</i>	rs893346	817	0.06	-0.11	-0.28	0.06	0.221927
<i>NR1I2</i>	rs2461823	819	0.35	-0.05	-0.14	0.03	0.225428
<i>ADRB3</i>	rs4994	819	0.07	0.09	-0.06	0.25	0.234036
<i>CAV1</i>	rs2052106	817	0.34	0.05	-0.03	0.14	0.236222
<i>ADRB3</i>	rs2071493	819	0.06	0.09	-0.06	0.25	0.242861
<i>FABP4</i>	rs10099756	819	0.30	-0.05	-0.14	0.04	0.243879
<i>BHLHE40</i>	rs2137947	819	0.21	-0.05	-0.15	0.04	0.247972
<i>ADRB3</i>	rs4997	818	0.06	0.09	-0.07	0.25	0.253884
<i>PCK2</i>	rs11629199	819	0.10	-0.08	-0.21	0.06	0.260846
<i>ADRB2</i>	rs1042713	819	0.39	-0.05	-0.13	0.04	0.270878
<i>LPL</i>	rs13702	818	0.33	0.05	-0.04	0.13	0.271407
<i>ADIPOQ</i>	rs12495941	819	0.37	0.04	-0.04	0.12	0.279754
<i>PPARGC1A</i>	rs2970869	819	0.22	-0.05	-0.15	0.04	0.281364
<i>PPARD</i>	rs2038068	816	0.24	-0.05	-0.15	0.04	0.281386
<i>LPIN2</i>	rs1164	819	0.19	-0.05	-0.15	0.04	0.281455
<i>FABP4</i>	rs10109480	819	0.10	0.07	-0.06	0.20	0.285588
<i>LPIN1</i>	rs3795974	818	0.40	0.04	-0.04	0.12	0.290399
<i>LPIN2</i>	rs3934427	805	0.11	0.07	-0.06	0.19	0.290862
<i>ADRB3</i>	rs4998	817	0.06	0.08	-0.07	0.24	0.292963
<i>PPARG</i>	rs709157	819	0.29	0.05	-0.04	0.13	0.294378
<i>PPARGC1A</i>	rs2970848	819	0.33	-0.05	-0.13	0.04	0.296434
<i>CTSS</i>	rs7511673	819	0.39	-0.04	-0.12	0.04	0.298572
<i>LPIN2</i>	rs7233117	819	0.30	-0.05	-0.13	0.04	0.308701
<i>ATF6</i>	rs12032568	815	0.11	-0.07	-0.20	0.06	0.309616
<i>PPARGC1A</i>	rs4697426	819	0.23	-0.05	-0.14	0.05	0.311650
<i>PPARGC1A</i>	rs2970853	819	0.23	0.05	-0.05	0.14	0.317640
<i>LPIN1</i>	rs10520097	819	0.16	0.05	-0.05	0.16	0.328562
<i>ATF6</i>	rs4657110	819	0.11	-0.07	-0.20	0.07	0.329325
<i>ATF6</i>	rs6670606	819	0.11	-0.07	-0.20	0.07	0.329325
<i>ATF6</i>	rs12026254	814	0.11	-0.07	-0.20	0.07	0.333723
<i>LPIN2</i>	rs1059281	818	0.29	0.04	-0.04	0.13	0.336514
<i>PPARG</i>	rs12629751	819	0.09	-0.07	-0.21	0.07	0.337349
<i>PPARGC1A</i>	rs2932976	819	0.26	-0.04	-0.14	0.05	0.341984
<i>PPARGC1A</i>	rs6850464	819	0.14	-0.06	-0.17	0.06	0.342048
<i>LPIN1</i>	rs6726960	819	0.23	-0.05	-0.14	0.05	0.342915
<i>PPARD</i>	rs4713854	819	0.07	0.08	-0.08	0.24	0.343204
<i>PCK2</i>	rs9783666	817	0.06	0.08	-0.09	0.25	0.345834
<i>LPIN2</i>	rs625527	819	0.43	0.04	-0.04	0.12	0.346359
<i>FABP1</i>	rs2970902	819	0.37	-0.04	-0.12	0.04	0.357855
<i>PPARGC1A</i>	rs7674429	819	0.17	0.05	-0.06	0.16	0.359822
<i>ADIPOQ</i>	rs16861194	819	0.08	-0.07	-0.21	0.08	0.368337
<i>ATF6</i>	rs9482	819	0.30	-0.04	-0.12	0.05	0.371553
<i>LPL</i>	rs270	819	0.14	0.05	-0.06	0.16	0.374003

<i>LPL</i>	rs10099160	818	0.20	0.04	-0.05	0.13	0.375937
<i>BHLHE40</i>	rs11925620	819	0.04	0.08	-0.10	0.26	0.394203
<i>CEBPB</i>	rs2904254	819	0.17	-0.05	-0.15	0.06	0.395412
<i>PPARG</i>	rs4135268	819	0.07	0.07	-0.09	0.22	0.397207
<i>PPARG</i>	rs2972164	819	0.48	-0.03	-0.12	0.05	0.397917
<i>NR1I2</i>	rs16830505	819	0.12	-0.05	-0.18	0.07	0.403312
<i>ATF6</i>	rs2499854	819	0.33	-0.04	-0.12	0.05	0.404415
<i>CAV1</i>	rs1049337	819	0.27	-0.04	-0.13	0.05	0.407077
<i>LPIN3</i>	rs4810312	814	0.41	-0.03	-0.11	0.05	0.414504
<i>PPARG</i>	rs1797912	819	0.35	0.03	-0.05	0.12	0.415391
<i>LPL</i>	rs285	819	0.49	0.03	-0.05	0.11	0.417481
<i>ADRB2</i>	rs1042719	819	0.29	0.04	-0.05	0.13	0.419614
<i>LPIN2</i>	rs1985	819	0.31	0.03	-0.05	0.12	0.425083
<i>CAV1</i>	rs3779512	819	0.44	0.03	-0.05	0.12	0.426172
<i>MMP9</i>	rs3918253	807	0.44	-0.03	-0.12	0.05	0.429269
<i>LPL</i>	rs264	817	0.16	0.04	-0.06	0.15	0.429607
<i>LEP</i>	rs11760956	810	0.38	-0.03	-0.12	0.05	0.431236
<i>CAV1</i>	rs3807989	819	0.41	0.03	-0.05	0.11	0.435870
<i>ATF6</i>	rs4657100	819	0.11	-0.05	-0.19	0.08	0.436023
<i>CAV1</i>	rs3807995	818	0.07	-0.06	-0.22	0.09	0.436654
<i>LPIN1</i>	rs893349	819	0.43	0.03	-0.05	0.11	0.437278
<i>ATF6</i>	rs10918215	819	0.30	-0.03	-0.12	0.05	0.440475
<i>BHLHE40</i>	rs1588794	819	0.10	0.05	-0.08	0.19	0.450941
<i>ADIPOQ</i>	rs3774261	819	0.41	0.03	-0.05	0.11	0.478879
<i>ATF6</i>	rs1394070	819	0.14	0.04	-0.07	0.15	0.484762
<i>LEP</i>	rs2071045	819	0.24	0.03	-0.06	0.12	0.485108
<i>MMP9</i>	rs3787268	819	0.21	-0.03	-0.13	0.06	0.487994
<i>PPARGCIA</i>	rs2970855	819	0.33	0.03	-0.05	0.11	0.498605
<i>PPARD</i>	rs2267668	819	0.16	-0.04	-0.15	0.07	0.500639
<i>LPIN2</i>	rs10438875	819	0.23	0.03	-0.06	0.13	0.500937
<i>PPARD</i>	rs11751895	819	0.03	-0.09	-0.35	0.17	0.501103
<i>ATF6</i>	rs4657101	816	0.27	-0.03	-0.12	0.06	0.501705
<i>CAV1</i>	rs9920	819	0.10	-0.05	-0.18	0.09	0.504837
<i>NR1I2</i>	rs11926554	818	0.21	0.03	-0.07	0.13	0.511563
<i>ADIPOQ</i>	rs3821799	819	0.47	0.03	-0.05	0.10	0.515868
<i>CEBPB</i>	rs6020348	819	0.42	-0.03	-0.10	0.05	0.521858
<i>LPL</i>	rs283	817	0.20	0.03	-0.07	0.13	0.527120
<i>ATF6</i>	rs12086247	818	0.13	-0.04	-0.16	0.08	0.528488
<i>LPIN3</i>	rs4812495	805	0.14	0.04	-0.08	0.15	0.534453
<i>ATF6</i>	rs1417580	819	0.45	0.03	-0.06	0.11	0.538941
<i>PPARGCIA</i>	rs2946385	819	0.42	-0.02	-0.10	0.05	0.539715
<i>LPL</i>	rs253	819	0.46	0.02	-0.05	0.10	0.547703
<i>LPIN2</i>	rs4570954	819	0.20	-0.03	-0.13	0.07	0.555793
<i>BHLHE40</i>	rs11130215	818	0.19	-0.03	-0.13	0.07	0.559059
<i>LPIN3</i>	rs6029646	817	0.26	-0.03	-0.11	0.06	0.567813
<i>PCK2</i>	rs2071586	803	0.24	0.03	-0.07	0.12	0.570806
<i>ATF6</i>	rs3767635	819	0.31	-0.02	-0.11	0.06	0.572321
<i>MLXIPL</i>	rs7798357	818	0.26	0.03	-0.06	0.11	0.573846
<i>NR1I2</i>	rs3732360	818	0.26	0.03	-0.07	0.12	0.573856
<i>FABP1</i>	rs2919871	817	0.27	0.02	-0.06	0.11	0.581294
<i>LPIN2</i>	rs642926	817	0.34	-0.02	-0.11	0.06	0.592127
<i>LPIN1</i>	rs2577256	816	0.48	-0.02	-0.10	0.06	0.594154

<i>ADIPOQ</i>	rs2241766	819	0.13	0.03	-0.09	0.15	0.604624
<i>LEP</i>	rs7788818	819	0.06	-0.04	-0.21	0.12	0.605657
<i>ATF6</i>	rs7554023	819	0.19	0.03	-0.08	0.13	0.608264
<i>LEP</i>	rs11763517	819	0.50	-0.02	-0.10	0.06	0.608826
<i>FABP1</i>	rs2241883	819	0.33	-0.02	-0.10	0.06	0.620580
<i>PPARG</i>	rs4135247	819	0.42	0.02	-0.06	0.10	0.620983
<i>PPARG</i>	rs2120825	819	0.11	-0.03	-0.15	0.09	0.621077
<i>MLXIPL</i>	rs1051921	816	0.16	-0.03	-0.13	0.08	0.632259
<i>LPL</i>	rs17410577	819	0.17	-0.02	-0.13	0.08	0.633806
<i>ADIPOQ</i>	rs1501299	819	0.28	0.02	-0.07	0.11	0.636681
<i>PPARGC1A</i>	rs3774921	819	0.46	-0.02	-0.10	0.06	0.637288
<i>CAV1</i>	rs3815412	818	0.25	-0.02	-0.11	0.07	0.640319
<i>LPIN1</i>	rs4669778	819	0.46	-0.02	-0.10	0.06	0.643451
<i>LPIN2</i>	rs661767	818	0.30	-0.02	-0.11	0.06	0.643504
<i>MTTP</i>	rs982424	819	0.06	-0.04	-0.21	0.13	0.652604
<i>PPARGC1A</i>	rs2970870	819	0.42	0.02	-0.06	0.10	0.656776
<i>PPARG</i>	rs10865710	819	0.26	-0.02	-0.11	0.07	0.658002
<i>PPARG</i>	rs7650895	819	0.19	0.02	-0.08	0.13	0.658443
<i>ADIPOQ</i>	rs2241767	819	0.13	0.03	-0.10	0.15	0.664666
<i>PPARGC1A</i>	rs1388332	819	0.08	-0.03	-0.18	0.11	0.665748
<i>LPL</i>	rs248	819	0.07	-0.03	-0.19	0.12	0.672531
<i>PPARG</i>	rs12497191	815	0.14	-0.02	-0.14	0.09	0.680404
<i>PPARGC1A</i>	rs7682765	819	0.06	0.03	-0.13	0.19	0.688941
<i>BHLHE40</i>	rs1467159	819	0.49	0.02	-0.06	0.09	0.692006
<i>ATF6</i>	rs12079579	819	0.07	0.03	-0.13	0.19	0.697241
<i>LPL</i>	rs249	819	0.09	-0.03	-0.16	0.11	0.697725
<i>MTTP</i>	rs1057613	819	0.49	0.02	-0.07	0.10	0.699990
<i>PPARGC1A</i>	rs17637318	819	0.28	-0.02	-0.10	0.07	0.719650
<i>LPIN2</i>	rs4797092	819	0.08	0.03	-0.12	0.17	0.720105
<i>PPARGC1A</i>	rs7665116	813	0.13	0.02	-0.10	0.14	0.725076
<i>LPIN1</i>	rs2358126	819	0.46	0.01	-0.06	0.09	0.732269
<i>PPARG</i>	rs17793693	819	0.10	0.02	-0.11	0.15	0.733672
<i>ADIPOQ</i>	rs822387	819	0.07	-0.03	-0.18	0.13	0.734543
<i>BHLHE40</i>	rs11920786	818	0.15	-0.02	-0.13	0.09	0.736857
<i>ADRB2</i>	rs2400707	819	0.41	-0.01	-0.09	0.07	0.739133
<i>ADIPOQ</i>	rs822396	819	0.17	-0.02	-0.12	0.09	0.754711
<i>ATF6</i>	rs3795649	819	0.38	-0.01	-0.09	0.07	0.760089
<i>LPIN3</i>	rs6029636	819	0.26	0.01	-0.07	0.10	0.773897
<i>CAV1</i>	rs4730751	819	0.28	-0.01	-0.10	0.08	0.776478
<i>ATF6</i>	rs1058405	819	0.26	0.01	-0.08	0.10	0.788993
<i>PPARGC1A</i>	rs4361373	819	0.15	0.01	-0.10	0.12	0.795290
<i>LPIN2</i>	rs9635812	819	0.28	0.01	-0.08	0.10	0.797685
<i>LPL</i>	rs1534649	818	0.42	-0.01	-0.09	0.07	0.803541
<i>NR1I2</i>	rs3732361	819	0.38	-0.01	-0.09	0.07	0.806244
<i>APP</i>	rs2830052	819	0.23	-0.01	-0.11	0.08	0.811419
<i>LPIN2</i>	rs6506041	819	0.32	-0.01	-0.10	0.08	0.815248
<i>PPARD</i>	rs2076169	819	0.10	-0.02	-0.15	0.12	0.826629
<i>PPARD</i>	rs9658119	818	0.13	0.01	-0.11	0.13	0.826881
<i>NR1I2</i>	rs1403526	819	0.29	-0.01	-0.10	0.08	0.833634
<i>MTTP</i>	rs17029213	818	0.03	-0.02	-0.25	0.20	0.840791
<i>LPIN2</i>	rs3819090	819	0.29	0.01	-0.08	0.10	0.844267
<i>FABP1</i>	rs2970903	819	0.11	0.01	-0.11	0.14	0.847397

<i>PPARG</i>	rs2938395	819	0.36	0.01	-0.08	0.09	0.858721
<i>PPARGCIA</i>	rs8192678	819	0.35	-0.01	-0.09	0.08	0.860089
<i>PPARGCIA</i>	rs11734408	819	0.28	-0.01	-0.09	0.08	0.863028
<i>PPARG</i>	rs10510419	817	0.16	0.01	-0.10	0.12	0.864296
<i>LPIN3</i>	rs16985665	818	0.20	0.01	-0.09	0.10	0.867549
<i>MTTP</i>	rs2306985	819	0.37	-0.01	-0.09	0.08	0.871252
<i>ATF6</i>	rs2134697	818	0.27	0.01	-0.08	0.10	0.872165
<i>PCK2</i>	rs1951634	819	0.28	0.01	-0.08	0.10	0.873926
<i>FABP1</i>	rs1441644	817	0.29	-0.01	-0.09	0.08	0.878197
<i>PPARG</i>	rs3856806	819	0.12	-0.01	-0.13	0.11	0.880228
<i>CAVI</i>	rs8713	819	0.18	0.01	-0.10	0.11	0.892589
<i>PPARG</i>	rs4135275	819	0.19	0.01	-0.09	0.11	0.893050
<i>PPARGCIA</i>	rs7657071	819	0.30	-0.01	-0.09	0.08	0.895496
<i>LPINI</i>	rs11695702	819	0.28	0.01	-0.08	0.09	0.899938
<i>ATF6</i>	rs4417044	819	0.25	-0.01	-0.10	0.09	0.909002
<i>CEBPB</i>	rs4253449	819	0.05	-0.01	-0.21	0.18	0.910794
<i>CTSS</i>	rs1136774	819	0.49	0.00	-0.08	0.08	0.911305
<i>PPARGCIA</i>	rs2305681	818	0.05	-0.01	-0.20	0.18	0.913897
<i>LPINI</i>	rs11524	819	0.12	0.01	-0.11	0.12	0.917658
<i>ADIPOQ</i>	rs17366568	819	0.14	0.01	-0.11	0.12	0.923009
<i>PPARGCIA</i>	rs12500214	819	0.22	0.00	-0.10	0.09	0.923144
<i>PPARG</i>	rs1801282	819	0.13	-0.01	-0.12	0.11	0.924565
<i>PPARGCIA</i>	rs3736265	819	0.07	0.01	-0.15	0.16	0.930540
<i>PPARG</i>	rs10510418	819	0.31	0.00	-0.08	0.09	0.933453
<i>BHLHE40</i>	rs1110261	816	0.21	0.00	-0.10	0.10	0.941634
<i>LPINI</i>	rs1050800	819	0.16	0.00	-0.11	0.10	0.955387
<i>FABP1</i>	rs894194	819	0.24	0.00	-0.09	0.09	0.959215
<i>LPINI</i>	rs2577264	816	0.40	0.00	-0.08	0.08	0.961991
<i>FNTA</i>	rs10958736	819	0.11	0.00	-0.12	0.12	0.962665
<i>PPARG</i>	rs13099634	817	0.19	0.00	-0.10	0.10	0.977131
<i>LPINI</i>	rs13013930	819	0.25	0.00	-0.09	0.09	0.979443
<i>PPARGCIA</i>	rs3774923	802	0.04	0.00	-0.22	0.22	0.988427
<i>ATF6</i>	rs12130299	819	0.25	0.00	-0.09	0.09	0.992410
<i>PPARGCIA</i>	rs4469064	819	0.09	0.00	-0.14	0.14	0.995980
<i>LPINI</i>	rs2577261	819	0.10	0.00	-0.14	0.13	0.999004

Supplementary Table 2C. SNP main effect on HDL-cholesterol at baseline

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LPL</i>	rs328	824	0.12	0.09	0.05	0.13	0.000044
<i>FABP1</i>	rs1441644	822	0.29	0.05	0.02	0.08	0.000537
<i>LPL</i>	rs13702	823	0.33	0.04	0.01	0.07	0.003818
<i>ATF6</i>	rs12086247	823	0.13	-0.05	-0.09	-0.01	0.011869
<i>LEP</i>	rs11763517	824	0.50	-0.03	-0.06	-0.01	0.013846
<i>PPARGC1A</i>	rs7665116	818	0.13	-0.05	-0.09	-0.01	0.024894
<i>PPARG</i>	rs4135247	824	0.42	-0.03	-0.06	0.00	0.030264
<i>PPARG</i>	rs10510418	824	0.31	0.03	0.00	0.06	0.037507
<i>PPARGC1A</i>	rs2279525	790	0.29	0.03	0.00	0.06	0.050604
<i>PPARGC1A</i>	rs2970870	824	0.42	0.03	0.00	0.05	0.056449
<i>LPIN2</i>	rs1164	824	0.19	0.03	0.00	0.07	0.056639
<i>LPL</i>	rs2197089	824	0.44	-0.03	-0.05	0.00	0.059533
<i>LPIN2</i>	rs9635812	824	0.28	-0.03	-0.06	0.00	0.065858
<i>PPARG</i>	rs2938395	824	0.36	0.03	0.00	0.05	0.076417
<i>FABP1</i>	rs2919871	822	0.27	-0.03	-0.06	0.00	0.076570
<i>ATF6</i>	rs12079579	824	0.07	-0.05	-0.10	0.01	0.076967
<i>PPARGC1A</i>	rs3774923	807	0.04	-0.07	-0.14	0.01	0.078547
<i>ADIPOQ</i>	rs7649121	823	0.18	0.03	0.00	0.07	0.079308
<i>ADIPOQ</i>	rs182052	824	0.36	0.02	0.00	0.05	0.083485
<i>PPARGC1A</i>	rs7657071	824	0.30	0.03	0.00	0.05	0.083703
<i>ATF6</i>	rs2134697	823	0.27	-0.03	-0.06	0.00	0.084370
<i>PPARG</i>	rs709157	824	0.29	0.02	0.00	0.05	0.091381
<i>FABP1</i>	rs894194	824	0.24	-0.03	-0.06	0.00	0.099977
<i>PPARGC1A</i>	rs2970847	824	0.17	-0.03	-0.06	0.01	0.105998
<i>LPIN1</i>	rs13013930	824	0.25	0.02	-0.01	0.05	0.106251
<i>LPIN2</i>	rs642926	822	0.34	0.02	0.00	0.05	0.107186
<i>LEP</i>	rs11760956	815	0.38	-0.02	-0.05	0.01	0.123046
<i>LPIN2</i>	rs607549	823	0.27	-0.02	-0.05	0.01	0.125832
<i>PPARGC1A</i>	rs12500214	824	0.22	0.03	-0.01	0.06	0.127946
<i>CAV1</i>	rs1049337	824	0.27	0.02	-0.01	0.05	0.138584
<i>FABP1</i>	rs2970903	824	0.11	0.03	-0.01	0.07	0.144141
<i>PPARGC1A</i>	rs2932976	824	0.26	0.02	-0.01	0.05	0.146008
<i>PPARGC1A</i>	rs12374408	824	0.29	0.02	-0.01	0.05	0.146010
<i>LPIN2</i>	rs3819090	824	0.29	-0.02	-0.05	0.01	0.151915
<i>BHLHE40</i>	rs11925620	824	0.04	-0.04	-0.11	0.02	0.155129
<i>MTTP</i>	rs2306985	824	0.37	0.02	-0.01	0.05	0.160402
<i>MTTP</i>	rs982424	824	0.06	0.04	-0.02	0.09	0.180652
<i>LPL</i>	rs249	824	0.09	-0.03	-0.08	0.01	0.187703
<i>MMP9</i>	rs3787268	824	0.21	-0.02	-0.06	0.01	0.189185
<i>PPARGC1A</i>	rs2970869	824	0.22	-0.02	-0.05	0.01	0.191204
<i>LPL</i>	rs285	824	0.49	0.02	-0.01	0.04	0.191575
<i>LPIN1</i>	rs11695702	824	0.28	0.02	-0.01	0.05	0.198714
<i>LPIN2</i>	rs4570954	824	0.20	-0.02	-0.06	0.01	0.202496
<i>PCK2</i>	rs2759407	824	0.07	0.03	-0.02	0.08	0.215623
<i>LPIN2</i>	rs11665524	824	0.16	-0.02	-0.06	0.01	0.221928
<i>LPIN1</i>	rs2577256	821	0.48	-0.02	-0.04	0.01	0.224773
<i>PCK2</i>	rs11629199	824	0.10	-0.03	-0.07	0.02	0.229610
<i>ATF6</i>	rs1417580	824	0.45	-0.02	-0.04	0.01	0.237586
<i>ATF6</i>	rs3767635	824	0.31	0.02	-0.01	0.05	0.242338

<i>MTTP</i>	rs1032355	824	0.19	0.02	-0.01	0.05	0.259480
<i>MTTP</i>	rs1057613	824	0.49	0.02	-0.01	0.04	0.260391
<i>CAVI</i>	rs959173	824	0.16	0.02	-0.02	0.06	0.260676
<i>LPIN2</i>	rs625527	824	0.43	-0.01	-0.04	0.01	0.266884
<i>PPARD</i>	rs4713854	824	0.07	-0.03	-0.08	0.02	0.268388
<i>LPIN3</i>	rs12625565	822	0.22	0.02	-0.01	0.05	0.291822
<i>ADIPOQ</i>	rs3821799	824	0.47	0.01	-0.01	0.04	0.299274
<i>APP</i>	rs12482262	824	0.05	-0.03	-0.09	0.03	0.300051
<i>LEP</i>	rs7788818	824	0.06	0.03	-0.03	0.08	0.315941
<i>LPIN2</i>	rs10853287	823	0.12	-0.02	-0.06	0.02	0.318980
<i>LPIN3</i>	rs16985665	823	0.20	-0.02	-0.05	0.02	0.319953
<i>NR1I2</i>	rs1403527	823	0.18	0.02	-0.02	0.05	0.321025
<i>BHLHE40</i>	rs11920786	823	0.15	0.02	-0.02	0.06	0.329667
<i>ATF6</i>	rs2271012	811	0.09	0.02	-0.02	0.07	0.330437
<i>PPARD</i>	rs2076169	824	0.10	-0.02	-0.07	0.02	0.334905
<i>NR1I2</i>	rs3814055	824	0.38	0.01	-0.01	0.04	0.341615
<i>PCK2</i>	rs1951634	824	0.28	-0.01	-0.04	0.02	0.342188
<i>MTTP</i>	rs17029213	823	0.03	0.03	-0.04	0.11	0.347921
<i>LEP</i>	rs2071045	824	0.24	-0.01	-0.04	0.02	0.349361
<i>LPIN3</i>	rs6029646	822	0.26	-0.01	-0.04	0.02	0.351391
<i>LPL</i>	rs316	824	0.13	-0.02	-0.06	0.02	0.355881
<i>LPIN2</i>	rs661767	823	0.30	-0.01	-0.04	0.02	0.356275
<i>LPIN1</i>	rs2577261	824	0.10	-0.02	-0.07	0.02	0.358930
<i>MMP9</i>	rs3918253	812	0.44	-0.01	-0.04	0.02	0.363332
<i>PPARG</i>	rs1797912	824	0.35	0.01	-0.01	0.04	0.365605
<i>CTSS</i>	rs11576175	824	0.11	-0.02	-0.06	0.02	0.366175
<i>PPARGC1A</i>	rs2946385	824	0.42	0.01	-0.01	0.04	0.367731
<i>PPARGC1A</i>	rs2970848	824	0.33	0.01	-0.02	0.04	0.368124
<i>FABP4</i>	rs10109480	824	0.10	0.02	-0.02	0.06	0.374257
<i>PPARGC1A</i>	rs2970855	824	0.33	-0.01	-0.04	0.02	0.378398
<i>ADIPOQ</i>	rs16861194	824	0.08	-0.02	-0.07	0.03	0.387206
<i>FNTA</i>	rs10958736	824	0.11	0.02	-0.02	0.06	0.388618
<i>ATF6</i>	rs1135983	824	0.09	0.02	-0.03	0.07	0.390903
<i>ATF6</i>	rs4417044	824	0.25	0.01	-0.02	0.04	0.393586
<i>ATF6</i>	rs4657110	824	0.11	0.02	-0.03	0.06	0.396047
<i>ATF6</i>	rs6670606	824	0.11	0.02	-0.03	0.06	0.396047
<i>PPARGC1A</i>	rs6850464	824	0.14	-0.02	-0.06	0.02	0.399693
<i>LPIN2</i>	rs3745013	824	0.35	-0.01	-0.04	0.02	0.405525
<i>ATF6</i>	rs12032568	820	0.11	0.02	-0.03	0.06	0.410394
<i>PPARG</i>	rs12629751	824	0.09	-0.02	-0.07	0.03	0.414537
<i>PPARGC1A</i>	rs10002521	822	0.31	0.01	-0.02	0.04	0.427475
<i>BHLHE40</i>	rs1588794	824	0.10	-0.02	-0.06	0.03	0.434002
<i>ATF6</i>	rs4657100	824	0.11	0.02	-0.03	0.06	0.435143
<i>PPARD</i>	rs2267668	824	0.16	-0.01	-0.05	0.02	0.435351
<i>ATF6</i>	rs1058405	824	0.26	0.01	-0.02	0.04	0.446634
<i>CEBPB</i>	rs2904254	824	0.17	-0.01	-0.05	0.02	0.449956
<i>PPARGC1A</i>	rs7674429	824	0.17	-0.01	-0.05	0.02	0.460603
<i>LPIN3</i>	rs6029636	824	0.26	-0.01	-0.04	0.02	0.462600
<i>ATF6</i>	rs12026254	819	0.11	0.02	-0.03	0.06	0.473056
<i>ATF6</i>	rs6695284	824	0.09	0.02	-0.03	0.06	0.483851
<i>ADIPOQ</i>	rs822396	824	0.17	-0.01	-0.05	0.02	0.484228
<i>PPARGC1A</i>	rs3774921	824	0.46	0.01	-0.02	0.04	0.486529

<i>ATF6</i>	rs4657101	821	0.27	0.01	-0.02	0.04	0.489764
<i>MMP9</i>	rs17576	822	0.36	-0.01	-0.04	0.02	0.490229
<i>ATF6</i>	rs12044770	822	0.09	0.02	-0.03	0.06	0.493876
<i>LPIN2</i>	rs6506041	824	0.32	-0.01	-0.04	0.02	0.494131
<i>PPARG</i>	rs17793693	824	0.10	0.02	-0.03	0.06	0.496586
<i>MLXIPL</i>	rs6967028	824	0.10	-0.02	-0.06	0.03	0.499006
<i>MTTP</i>	rs2035816	824	0.10	0.02	-0.03	0.06	0.500365
<i>BHLHE40</i>	rs1467159	824	0.49	-0.01	-0.03	0.02	0.505032
<i>MTTP</i>	rs3828542	824	0.17	0.01	-0.02	0.05	0.512195
<i>LPL</i>	rs1534649	823	0.42	-0.01	-0.04	0.02	0.513943
<i>LPIN1</i>	rs11524	824	0.12	-0.01	-0.05	0.03	0.514029
<i>MMP9</i>	rs2250889	823	0.05	-0.02	-0.08	0.04	0.516551
<i>ADRB2</i>	rs2400707	824	0.41	0.01	-0.02	0.04	0.520680
<i>PPARGC1A</i>	rs3736265	824	0.07	-0.02	-0.07	0.04	0.524738
<i>CTSS</i>	rs7511673	824	0.39	0.01	-0.02	0.04	0.545643
<i>LPL</i>	rs264	822	0.16	0.01	-0.03	0.05	0.553881
<i>CEBPB</i>	rs6020348	824	0.42	0.01	-0.02	0.03	0.554643
<i>PPARGC1A</i>	rs1388332	824	0.08	-0.01	-0.06	0.03	0.556198
<i>FABP1</i>	rs2970902	824	0.37	-0.01	-0.04	0.02	0.560127
<i>LPIN3</i>	rs6065338	823	0.18	0.01	-0.02	0.05	0.563216
<i>PPARG</i>	rs2120825	824	0.11	-0.01	-0.05	0.03	0.565052
<i>FABP4</i>	rs10099756	824	0.30	0.01	-0.02	0.04	0.570604
<i>ATF6</i>	rs1136046	824	0.15	-0.01	-0.05	0.03	0.579000
<i>PPARG</i>	rs3856806	824	0.12	-0.01	-0.05	0.03	0.580925
<i>PPARGC1A</i>	rs17637318	824	0.28	-0.01	-0.04	0.02	0.582079
<i>ADIPOQ</i>	rs3774261	824	0.41	0.01	-0.02	0.03	0.586275
<i>MTTP</i>	rs881980	824	0.14	0.01	-0.03	0.05	0.587485
<i>PCK2</i>	rs2071586	808	0.24	0.01	-0.02	0.04	0.587627
<i>BHLHE40</i>	rs11130215	823	0.19	-0.01	-0.04	0.02	0.591259
<i>ADIPOQ</i>	rs1501299	824	0.28	0.01	-0.02	0.04	0.591893
<i>LPIN2</i>	rs4797092	824	0.08	-0.01	-0.06	0.04	0.592782
<i>CTSS</i>	rs1136774	824	0.49	0.01	-0.02	0.03	0.603310
<i>ADRB3</i>	rs4994	824	0.07	0.01	-0.04	0.07	0.603435
<i>PPARG</i>	rs10865710	824	0.26	-0.01	-0.04	0.02	0.607819
<i>PPARD</i>	rs7744392	823	0.05	-0.01	-0.07	0.04	0.608297
<i>ADRB2</i>	rs1042719	824	0.29	0.01	-0.02	0.04	0.611680
<i>LPL</i>	rs17410577	824	0.17	0.01	-0.03	0.04	0.619743
<i>CAV1</i>	rs3779512	824	0.44	0.01	-0.02	0.03	0.620673
<i>ATF6</i>	rs2499854	824	0.33	-0.01	-0.03	0.02	0.624887
<i>PPARGC1A</i>	rs11734408	824	0.28	-0.01	-0.04	0.02	0.630930
<i>PPARD</i>	rs6902123	824	0.09	0.01	-0.04	0.06	0.634092
<i>CAV1</i>	rs2052106	822	0.34	0.01	-0.02	0.04	0.635303
<i>LPL</i>	rs253	824	0.46	0.01	-0.02	0.03	0.639047
<i>PPARG</i>	rs4135268	824	0.07	-0.01	-0.06	0.04	0.639440
<i>NR1I2</i>	rs16830505	824	0.12	0.01	-0.03	0.05	0.640168
<i>LPIN1</i>	rs893346	822	0.06	-0.01	-0.07	0.04	0.641229
<i>PPARD</i>	rs6457816	823	0.09	0.01	-0.04	0.06	0.645773
<i>PPARGC1A</i>	rs2970853	824	0.23	-0.01	-0.04	0.02	0.647577
<i>LPIN2</i>	rs3934427	810	0.11	-0.01	-0.05	0.03	0.650866
<i>LPIN2</i>	rs11661932	824	0.10	-0.01	-0.05	0.03	0.657469
<i>FNTA</i>	rs13282019	824	0.05	0.01	-0.04	0.07	0.664502
<i>MTTP</i>	rs3816873	824	0.28	-0.01	-0.04	0.02	0.664744

<i>FABP4</i>	rs16909192	824	0.19	-0.01	-0.04	0.03	0.668163
<i>LPIN2</i>	rs1985	824	0.31	-0.01	-0.03	0.02	0.671406
<i>CAV1</i>	rs926198	822	0.37	0.01	-0.02	0.03	0.672127
<i>PPARGC1A</i>	rs7682765	824	0.06	0.01	-0.04	0.07	0.672289
<i>PPARGC1A</i>	rs13117172	824	0.19	-0.01	-0.04	0.03	0.676279
<i>MLXIPL</i>	rs1051921	821	0.16	0.01	-0.03	0.04	0.677904
<i>LPIN3</i>	rs6072343	822	0.14	0.01	-0.03	0.05	0.680425
<i>ADRB3</i>	rs2071493	824	0.06	0.01	-0.04	0.06	0.688490
<i>ATF6</i>	rs10918092	818	0.36	0.01	-0.02	0.03	0.691589
<i>ADRB3</i>	rs4997	823	0.06	0.01	-0.04	0.06	0.691622
<i>PPARGC1A</i>	rs4361373	824	0.15	0.01	-0.03	0.04	0.694183
<i>CTSS</i>	rs10888390	823	0.36	0.01	-0.02	0.03	0.701556
<i>PPARG</i>	rs13099634	822	0.19	0.01	-0.03	0.04	0.704348
<i>PPARG</i>	rs1801282	824	0.13	0.01	-0.03	0.05	0.708478
<i>CAV1</i>	rs4730751	824	0.28	-0.01	-0.04	0.02	0.711017
<i>BHLHE40</i>	rs2137947	824	0.21	-0.01	-0.04	0.03	0.714710
<i>PPARGC1A</i>	rs10213440	818	0.17	0.01	-0.03	0.04	0.717668
<i>CEBPB</i>	rs4253449	824	0.05	0.01	-0.05	0.08	0.719727
<i>NR1I2</i>	rs1054190	824	0.12	-0.01	-0.05	0.03	0.723545
<i>LPIN1</i>	rs2278513	824	0.45	0.00	-0.02	0.03	0.724984
<i>PPARGC1A</i>	rs4697426	824	0.23	-0.01	-0.04	0.03	0.728659
<i>PPARGC1A</i>	rs2305681	823	0.05	0.01	-0.05	0.07	0.731908
<i>LPIN1</i>	rs10520097	824	0.16	-0.01	-0.04	0.03	0.740425
<i>LPL</i>	rs283	822	0.20	-0.01	-0.04	0.03	0.746815
<i>PPARGC1A</i>	rs8192678	824	0.35	0.00	-0.02	0.03	0.747355
<i>LPIN3</i>	rs7263195	824	0.05	0.01	-0.05	0.07	0.766209
<i>LPL</i>	rs10099160	823	0.20	0.00	-0.04	0.03	0.772392
<i>LPIN1</i>	rs3795974	823	0.40	0.00	-0.03	0.02	0.772814
<i>ADRB3</i>	rs4998	822	0.06	0.01	-0.05	0.06	0.774509
<i>ATF6</i>	rs1394070	824	0.14	0.01	-0.03	0.04	0.788053
<i>CAV1</i>	rs3815412	823	0.25	0.00	-0.04	0.03	0.790718
<i>LPIN3</i>	rs4810312	819	0.41	0.00	-0.03	0.02	0.792779
<i>PPARGC1A</i>	rs9996943	824	0.42	0.00	-0.02	0.03	0.793237
<i>PPARG</i>	rs10510419	822	0.16	0.00	-0.04	0.03	0.796353
<i>ADIPOQ</i>	rs12495941	824	0.37	0.00	-0.02	0.03	0.798252
<i>ADIPOQ</i>	rs2241767	824	0.13	0.01	-0.04	0.05	0.800397
<i>ADRB2</i>	rs1042713	824	0.39	0.00	-0.03	0.02	0.811750
<i>NR1I2</i>	rs11926554	823	0.21	0.00	-0.03	0.04	0.812935
<i>ADIPOQ</i>	rs822387	824	0.07	0.01	-0.05	0.06	0.819772
<i>BHLHE40</i>	rs11918262	824	0.18	0.00	-0.04	0.03	0.820462
<i>PPARGC1A</i>	rs7437482	824	0.35	0.00	-0.03	0.02	0.822122
<i>ATF6</i>	rs3795649	824	0.38	0.00	-0.02	0.03	0.824173
<i>CAV1</i>	rs8713	824	0.18	0.00	-0.04	0.03	0.826270
<i>LPL</i>	rs248	824	0.07	0.01	-0.05	0.06	0.841392
<i>NR1I2</i>	rs2461823	824	0.35	0.00	-0.03	0.03	0.843598
<i>ADIPOQ</i>	rs2241766	824	0.13	0.00	-0.04	0.04	0.847625
<i>LPIN1</i>	rs4669778	824	0.46	0.00	-0.03	0.02	0.848552
<i>LPL</i>	rs270	824	0.14	0.00	-0.03	0.04	0.856362
<i>LPIN1</i>	rs2358126	824	0.46	0.00	-0.02	0.03	0.857834
<i>ATF6</i>	rs12130299	824	0.25	0.00	-0.03	0.03	0.859183
<i>PPARD</i>	rs9658119	823	0.13	0.00	-0.04	0.04	0.859362
<i>NR1I2</i>	rs3732361	824	0.38	0.00	-0.03	0.02	0.863135

<i>PPARD</i>	rs2038068	821	0.24	0.00	-0.03	0.03	0.863951
<i>PCK2</i>	rs9783666	822	0.06	0.00	-0.05	0.06	0.866096
<i>PPARGC1A</i>	rs4235308	823	0.41	0.00	-0.03	0.02	0.866223
<i>BHLHE40</i>	rs1110261	821	0.21	0.00	-0.03	0.04	0.870738
<i>PPARGC1A</i>	rs4469064	824	0.09	0.00	-0.05	0.04	0.870811
<i>LPIN1</i>	rs6726960	824	0.23	0.00	-0.03	0.03	0.874547
<i>CAV1</i>	rs3807995	823	0.07	0.00	-0.06	0.05	0.887230
<i>ATF6</i>	rs2499851	823	0.31	0.00	-0.03	0.03	0.896641
<i>LPIN1</i>	rs1050800	824	0.16	0.00	-0.04	0.03	0.896918
<i>CAV1</i>	rs9920	824	0.10	0.00	-0.04	0.05	0.899362
<i>ATF6</i>	rs7554023	824	0.19	0.00	-0.03	0.04	0.901923
<i>ADIPOQ</i>	rs17366568	824	0.14	0.00	-0.04	0.04	0.910715
<i>LPIN3</i>	rs4812495	810	0.14	0.00	-0.04	0.04	0.925140
<i>LEP</i>	rs2278815	824	0.46	0.00	-0.03	0.03	0.927117
<i>ATF6</i>	rs10737517	823	0.28	0.00	-0.03	0.03	0.928159
<i>LPIN2</i>	rs7233117	824	0.30	0.00	-0.03	0.03	0.929988
<i>LPIN2</i>	rs10438875	824	0.23	0.00	-0.03	0.03	0.931939
<i>MLXIPL</i>	rs7798357	823	0.26	0.00	-0.03	0.03	0.938172
<i>PPARG</i>	rs7650895	824	0.19	0.00	-0.03	0.04	0.939633
<i>LPL</i>	rs3779788	824	0.16	0.00	-0.03	0.04	0.946038
<i>PPARG</i>	rs2972164	824	0.48	0.00	-0.03	0.03	0.946779
<i>LPIN1</i>	rs4315495	823	0.42	0.00	-0.03	0.03	0.955658
<i>LPIN1</i>	rs2577264	821	0.40	0.00	-0.03	0.03	0.962553
<i>NR1I2</i>	rs3732360	823	0.26	0.00	-0.03	0.03	0.966355
<i>LPIN2</i>	rs1059281	823	0.29	0.00	-0.03	0.03	0.967247
<i>BHLHE40</i>	rs908078	824	0.17	0.00	-0.04	0.04	0.975430
<i>PPARG</i>	rs12497191	820	0.14	0.00	-0.04	0.04	0.976425
<i>ATF6</i>	rs10918215	824	0.30	0.00	-0.03	0.03	0.984636
<i>PPARG</i>	rs4135275	824	0.19	0.00	-0.03	0.03	0.985589
<i>LPIN1</i>	rs893349	824	0.43	0.00	-0.03	0.03	0.990569
<i>ATF6</i>	rs9482	824	0.30	0.00	-0.03	0.03	0.994648
<i>NR1I2</i>	rs1403526	824	0.29	0.00	-0.03	0.03	0.994895
<i>PPARD</i>	rs11751895	824	0.03	0.00	-0.09	0.09	0.998921

Supplementary Table 2D. SNP main effect on triglycerides at baseline

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>FABP1</i>	rs894194	813	0.24	0.13	0.06	0.20	0.000176
<i>MLXIPL</i>	rs1051921	810	0.16	-0.14	-0.22	-0.06	0.000400
<i>PPARGC1A</i>	rs2946385	813	0.42	-0.10	-0.16	-0.05	0.000558
<i>FABP1</i>	rs2919871	811	0.27	0.11	0.05	0.18	0.000878
<i>PPARG</i>	rs10510418	813	0.31	-0.10	-0.16	-0.03	0.002961
<i>LPIN2</i>	rs10853287	812	0.12	0.13	0.04	0.22	0.003267
<i>ATF6</i>	rs7554023	813	0.19	0.11	0.03	0.19	0.005822
<i>FABP1</i>	rs1441644	811	0.29	-0.09	-0.15	-0.02	0.007727
<i>PPARGC1A</i>	rs4235308	812	0.41	-0.08	-0.14	-0.02	0.010311
<i>PPARGC1A</i>	rs11734408	813	0.28	0.08	0.02	0.15	0.012169
<i>PPARG</i>	rs709157	813	0.29	-0.08	-0.15	-0.02	0.013585
<i>PPARGC1A</i>	rs17637318	813	0.28	0.08	0.02	0.15	0.013934
<i>LPIN3</i>	rs6072343	811	0.14	-0.11	-0.19	-0.02	0.014478
<i>PPARG</i>	rs2938395	813	0.36	-0.08	-0.14	-0.01	0.019066
<i>MMP9</i>	rs3787268	813	0.21	0.09	0.01	0.16	0.022417
<i>PPARGC1A</i>	rs7665116	807	0.13	0.11	0.01	0.20	0.022570
<i>LPIN3</i>	rs6065338	812	0.18	-0.09	-0.17	-0.01	0.023875
<i>PPARGC1A</i>	rs2970870	813	0.42	-0.07	-0.13	-0.01	0.024035
<i>PPARG</i>	rs2972164	813	0.48	-0.07	-0.13	-0.01	0.024234
<i>LPIN3</i>	rs12625565	811	0.22	-0.08	-0.15	-0.01	0.028004
<i>LPL</i>	rs328	813	0.12	-0.10	-0.20	-0.01	0.032138
<i>PPARG</i>	rs1797912	813	0.35	-0.07	-0.13	-0.01	0.032724
<i>LEP</i>	rs11763517	813	0.50	0.07	0.01	0.13	0.033768
<i>CTSS</i>	rs7511673	813	0.39	-0.07	-0.13	0.00	0.034554
<i>LPINI</i>	rs4315495	812	0.42	0.06	0.00	0.12	0.035468
<i>ATF6</i>	rs2271012	800	0.09	-0.12	-0.22	-0.01	0.035481
<i>PPARGC1A</i>	rs12500214	813	0.22	-0.08	-0.15	0.00	0.036448
<i>FABP1</i>	rs2241883	813	0.33	0.07	0.00	0.13	0.036794
<i>ATF6</i>	rs1135983	813	0.09	-0.11	-0.21	0.00	0.045360
<i>CTSS</i>	rs10888390	812	0.36	-0.06	-0.13	0.00	0.048177
<i>PPARG</i>	rs4135247	813	0.42	0.06	0.00	0.12	0.053802
<i>PPARG</i>	rs2120825	813	0.11	0.09	0.00	0.18	0.054981
<i>ATF6</i>	rs12079579	813	0.07	-0.11	-0.23	0.00	0.056266
<i>ATF6</i>	rs6695284	813	0.09	-0.10	-0.21	0.00	0.057862
<i>ATF6</i>	rs12044770	811	0.09	-0.10	-0.21	0.00	0.058360
<i>MLXIPL</i>	rs7798357	812	0.26	-0.06	-0.13	0.00	0.058859
<i>ADRB2</i>	rs1042713	813	0.39	0.06	0.00	0.12	0.063382
<i>LPIN2</i>	rs3819090	813	0.29	0.06	0.00	0.13	0.064795
<i>LPIN2</i>	rs4797092	813	0.08	0.10	-0.01	0.21	0.066453
<i>CAVI</i>	rs4730751	813	0.28	0.06	0.00	0.13	0.067387
<i>LPIN2</i>	rs9635812	813	0.28	0.06	0.00	0.13	0.067790
<i>PPARGC1A</i>	rs7657071	813	0.30	-0.06	-0.12	0.00	0.069111
<i>PPARGC1A</i>	rs2970847	813	0.17	0.07	-0.01	0.15	0.072158
<i>PPARGC1A</i>	rs4697426	813	0.23	-0.06	-0.14	0.01	0.079015
<i>ATF6</i>	rs12032568	809	0.11	-0.09	-0.19	0.01	0.086694
<i>PPARG</i>	rs3856806	813	0.12	0.08	-0.01	0.17	0.087648
<i>PPARGC1A</i>	rs10213440	808	0.17	-0.07	-0.14	0.01	0.088690
<i>ATF6</i>	rs4657110	813	0.11	-0.09	-0.19	0.01	0.090768
<i>ATF6</i>	rs6670606	813	0.11	-0.09	-0.19	0.01	0.090768

<i>LPIN3</i>	rs4810312	808	0.41	-0.05	-0.11	0.01	0.095066
<i>PPARG</i>	rs1801282	813	0.13	0.07	-0.01	0.16	0.096193
<i>LPIN2</i>	rs1164	813	0.19	-0.06	-0.14	0.01	0.100712
<i>LPIN2</i>	rs625527	813	0.43	0.05	-0.01	0.11	0.102699
<i>PPARGC1A</i>	rs10002521	811	0.31	0.06	-0.01	0.12	0.103819
<i>ATF6</i>	rs12026254	808	0.11	-0.08	-0.18	0.02	0.104273
<i>PPARGC1A</i>	rs9996943	813	0.42	0.05	-0.01	0.11	0.112873
<i>PPARGC1A</i>	rs2970853	813	0.23	0.05	-0.02	0.12	0.126211
<i>LPIN1</i>	rs6726960	813	0.23	-0.05	-0.12	0.02	0.126776
<i>PPARGC1A</i>	rs2279525	779	0.29	-0.05	-0.12	0.02	0.127727
<i>PPARGC1A</i>	rs4469064	813	0.09	-0.08	-0.19	0.02	0.128875
<i>ATF6</i>	rs4657100	813	0.11	-0.08	-0.18	0.02	0.132881
<i>NR1I2</i>	rs3814055	813	0.38	0.05	-0.01	0.11	0.138252
<i>LPL</i>	rs249	813	0.09	0.08	-0.03	0.18	0.144921
<i>CAV1</i>	rs3779512	813	0.44	0.05	-0.02	0.11	0.146700
<i>LPIN1</i>	rs10520097	813	0.16	0.06	-0.02	0.14	0.151323
<i>ADIPOQ</i>	rs2241766	813	0.13	-0.07	-0.16	0.02	0.155445
<i>ADRB2</i>	rs2400707	813	0.41	-0.04	-0.10	0.02	0.166297
<i>ADIPOQ</i>	rs2241767	813	0.13	-0.06	-0.16	0.03	0.170905
<i>LPIN1</i>	rs2278513	813	0.45	-0.04	-0.10	0.02	0.177485
<i>CTSS</i>	rs1136774	813	0.49	-0.04	-0.10	0.02	0.179572
<i>MTTP</i>	rs982424	813	0.06	-0.09	-0.21	0.04	0.181544
<i>PPARGC1A</i>	rs2970848	813	0.33	-0.04	-0.11	0.02	0.187580
<i>PPARG</i>	rs10865710	813	0.26	0.05	-0.02	0.11	0.189259
<i>ADIPOQ</i>	rs822387	813	0.07	-0.08	-0.19	0.04	0.190807
<i>ADIPOQ</i>	rs182052	813	0.36	-0.04	-0.10	0.02	0.197998
<i>PPARGC1A</i>	rs4361373	813	0.15	0.05	-0.03	0.14	0.200965
<i>ATF6</i>	rs2499851	812	0.31	0.04	-0.02	0.11	0.204216
<i>CTSS</i>	rs11576175	813	0.11	0.06	-0.04	0.15	0.229975
<i>LPIN2</i>	rs607549	812	0.27	-0.04	-0.11	0.03	0.230388
<i>LPL</i>	rs13702	812	0.33	-0.04	-0.10	0.03	0.237104
<i>LPIN2</i>	rs642926	811	0.34	-0.04	-0.10	0.03	0.241392
<i>LEP</i>	rs11760956	804	0.38	0.04	-0.03	0.10	0.243459
<i>FABP1</i>	rs2970902	813	0.37	0.04	-0.03	0.10	0.257717
<i>CAV1</i>	rs8713	813	0.18	0.05	-0.03	0.12	0.258412
<i>FNTA</i>	rs10958736	813	0.11	0.05	-0.04	0.14	0.261077
<i>NR1I2</i>	rs1403526	813	0.29	-0.04	-0.10	0.03	0.262646
<i>PPARGC1A</i>	rs2970855	813	0.33	0.04	-0.03	0.10	0.263147
<i>ADIPOQ</i>	rs7649121	813	0.18	-0.04	-0.12	0.04	0.282886
<i>PPARD</i>	rs11751895	813	0.03	-0.11	-0.30	0.09	0.283921
<i>LPIN1</i>	rs1050800	813	0.16	0.04	-0.04	0.12	0.297493
<i>MLXIPL</i>	rs6967028	813	0.10	0.05	-0.05	0.15	0.324112
<i>LPL</i>	rs248	813	0.07	0.06	-0.06	0.17	0.328131
<i>FABP4</i>	rs10109480	813	0.10	-0.05	-0.14	0.05	0.336405
<i>LPL</i>	rs1534649	812	0.42	0.03	-0.03	0.09	0.342494
<i>NR1I2</i>	rs1403527	812	0.18	0.04	-0.04	0.12	0.343447
<i>PPARG</i>	rs10510419	811	0.16	0.04	-0.04	0.12	0.344565
<i>LEP</i>	rs2071045	813	0.24	0.03	-0.04	0.10	0.353004
<i>ATF6</i>	rs1417580	813	0.45	0.03	-0.03	0.09	0.356746
<i>LPIN2</i>	rs7233117	813	0.30	-0.03	-0.10	0.04	0.366824
<i>BHLHE40</i>	rs1467159	813	0.49	0.03	-0.03	0.08	0.370445
<i>MMP9</i>	rs3918253	801	0.44	0.03	-0.03	0.09	0.371207

<i>LPL</i>	rs3779788	813	0.16	0.04	-0.04	0.12	0.374223
<i>PPARGC1A</i>	rs2305681	812	0.05	0.06	-0.08	0.20	0.378810
<i>PPARGC1A</i>	rs3736265	813	0.07	-0.05	-0.17	0.07	0.384772
<i>PPARD</i>	rs6457816	812	0.09	-0.05	-0.15	0.06	0.386385
<i>PPARGC1A</i>	rs8192678	813	0.35	-0.03	-0.09	0.03	0.389182
<i>ATF6</i>	rs2499854	813	0.33	-0.03	-0.09	0.04	0.400964
<i>LPIN1</i>	rs893346	811	0.06	-0.05	-0.18	0.07	0.403644
<i>BHLHE40</i>	rs2137947	813	0.21	0.03	-0.04	0.10	0.407203
<i>ATF6</i>	rs1058405	813	0.26	0.03	-0.04	0.09	0.410621
<i>NR1I2</i>	rs11926554	812	0.21	0.03	-0.04	0.10	0.412649
<i>LPIN1</i>	rs4669778	813	0.46	0.02	-0.03	0.08	0.420416
<i>MMP9</i>	rs17576	812	0.36	0.03	-0.04	0.09	0.420909
<i>PPARG</i>	rs4135275	813	0.19	0.03	-0.04	0.11	0.421952
<i>ATF6</i>	rs4417044	813	0.25	-0.03	-0.10	0.04	0.433033
<i>BHLHE40</i>	rs11920786	812	0.15	0.03	-0.05	0.12	0.433380
<i>ATF6</i>	rs1136046	813	0.15	-0.03	-0.12	0.05	0.435949
<i>FABP4</i>	rs10099756	813	0.30	-0.03	-0.09	0.04	0.442092
<i>PPARD</i>	rs6902123	813	0.09	-0.04	-0.14	0.06	0.451680
<i>LPIN2</i>	rs10438875	813	0.23	0.03	-0.04	0.10	0.452065
<i>TLR4</i>	rs7037225	813	0.16	-0.03	-0.11	0.05	0.453884
<i>NR1I2</i>	rs2461823	813	0.35	-0.02	-0.09	0.04	0.455042
<i>PPARD</i>	rs2267668	813	0.16	0.03	-0.05	0.12	0.455354
<i>ADIPOQ</i>	rs17366568	813	0.14	0.03	-0.05	0.12	0.456762
<i>MTTP</i>	rs17029213	812	0.03	-0.06	-0.23	0.10	0.461261
<i>MTTP</i>	rs3828542	813	0.17	-0.03	-0.11	0.05	0.470815
<i>PCK2</i>	rs2071586	797	0.24	-0.03	-0.10	0.05	0.477860
<i>PPARD</i>	rs4713854	813	0.07	0.04	-0.08	0.16	0.482544
<i>ATF6</i>	rs12086247	812	0.13	-0.03	-0.12	0.06	0.486893
<i>NR1I2</i>	rs3732360	812	0.26	0.02	-0.04	0.09	0.487237
<i>LPIN1</i>	rs11524	813	0.12	-0.03	-0.12	0.06	0.488312
<i>PPARGC1A</i>	rs1388332	813	0.08	-0.04	-0.15	0.07	0.492765
<i>ATF6</i>	rs4657101	810	0.27	0.02	-0.04	0.09	0.494591
<i>PPARGC1A</i>	rs2932976	813	0.26	-0.02	-0.09	0.05	0.496636
<i>PPARG</i>	rs13099634	811	0.19	0.03	-0.05	0.10	0.504480
<i>CAV1</i>	rs3815412	812	0.25	0.02	-0.05	0.09	0.511999
<i>CAV1</i>	rs3807995	812	0.07	-0.04	-0.16	0.08	0.513232
<i>ADIPOQ</i>	rs12495941	813	0.37	0.02	-0.04	0.08	0.514129
<i>LPIN1</i>	rs2577261	813	0.10	-0.03	-0.13	0.07	0.515545
<i>FABP1</i>	rs2970903	813	0.11	-0.03	-0.13	0.06	0.516407
<i>APP</i>	rs2830000	813	0.21	0.02	-0.05	0.09	0.532139
<i>PPARG</i>	rs7650895	813	0.19	0.02	-0.05	0.10	0.540017
<i>ADIPOQ</i>	rs1501299	813	0.28	0.02	-0.05	0.09	0.545569
<i>MTTP</i>	rs3816873	813	0.28	0.02	-0.05	0.09	0.546295
<i>LPIN1</i>	rs13013930	813	0.25	-0.02	-0.09	0.05	0.551997
<i>LPL</i>	rs270	813	0.14	-0.02	-0.11	0.06	0.555446
<i>CAV1</i>	rs926198	812	0.37	0.02	-0.04	0.08	0.558391
<i>PPARGC1A</i>	rs12374408	813	0.29	-0.02	-0.09	0.05	0.558976
<i>APP</i>	rs17514385	811	0.08	0.03	-0.08	0.14	0.559491
<i>CAV1</i>	rs9920	813	0.10	0.03	-0.07	0.13	0.560014
<i>LPIN2</i>	rs3934427	799	0.11	0.03	-0.07	0.12	0.575038
<i>LPL</i>	rs2197089	813	0.44	0.02	-0.04	0.08	0.577382
<i>CAV1</i>	rs2052106	811	0.34	0.02	-0.05	0.08	0.578424

LPL	rs17410577	813	0.17	-0.02	-0.10	0.05	0.579209
ADRB3	rs2071493	813	0.06	0.03	-0.09	0.15	0.583982
NR1I2	rs3732361	813	0.38	0.02	-0.04	0.08	0.590740
ADRB2	rs1042719	813	0.29	-0.02	-0.09	0.05	0.591491
LPIN2	rs6506041	813	0.32	-0.02	-0.08	0.05	0.599159
LPIN2	rs4570954	813	0.20	0.02	-0.06	0.10	0.604648
ATF6	rs3795649	813	0.38	-0.02	-0.08	0.05	0.611877
ATF6	rs3767635	813	0.31	0.02	-0.05	0.08	0.615004
CEBPB	rs2904254	813	0.17	0.02	-0.06	0.10	0.628851
LPIN1	rs2358126	813	0.46	0.01	-0.04	0.07	0.632192
ATF6	rs1394070	813	0.14	0.02	-0.06	0.10	0.633613
LEP	rs7788818	813	0.06	0.03	-0.09	0.15	0.636956
CAVI	rs3807989	813	0.41	0.01	-0.05	0.08	0.639452
PPARD	rs7744392	812	0.05	-0.03	-0.16	0.10	0.642419
PPARGCIA	rs7674429	813	0.17	-0.02	-0.10	0.06	0.647562
ADIPOQ	rs3821799	813	0.47	-0.01	-0.07	0.04	0.657954
PPARD	rs2038068	810	0.24	0.02	-0.05	0.09	0.659215
LPIN1	rs11695702	813	0.28	-0.01	-0.08	0.05	0.660506
ATF6	rs10737517	812	0.28	-0.01	-0.08	0.05	0.665880
ADRB3	rs4994	813	0.07	0.03	-0.09	0.14	0.672264
BHLHE40	rs1588794	813	0.10	0.02	-0.08	0.12	0.673331
ADIPOQ	rs3774261	813	0.41	-0.01	-0.07	0.05	0.676474
ATF6	rs12130299	813	0.25	0.01	-0.05	0.08	0.678579
PPARG	rs12629751	813	0.09	0.02	-0.08	0.13	0.679633
ATF6	rs2134697	812	0.27	-0.01	-0.08	0.05	0.681268
PPARD	rs9658119	812	0.13	0.02	-0.07	0.11	0.681545
LPIN3	rs7263195	813	0.05	-0.03	-0.16	0.11	0.691091
FNTA	rs13282019	813	0.05	0.03	-0.10	0.15	0.691568
PPARG	rs17793693	813	0.10	-0.02	-0.12	0.08	0.693523
MTTP	rs2035816	813	0.10	0.02	-0.08	0.12	0.696430
CEBPB	rs6020348	813	0.42	-0.01	-0.07	0.05	0.701937
ADRB3	rs4998	811	0.06	0.02	-0.10	0.14	0.701941
ADRB3	rs4997	812	0.06	0.02	-0.10	0.14	0.709068
LEP	rs2278815	813	0.46	0.01	-0.05	0.07	0.712604
LPIN3	rs6029646	811	0.26	0.01	-0.05	0.08	0.732822
LPL	rs285	813	0.49	0.01	-0.05	0.07	0.741199
ADIPOQ	rs822396	813	0.17	0.01	-0.06	0.09	0.741274
LPIN2	rs1985	813	0.31	0.01	-0.05	0.07	0.741283
MTTP	rs2306985	813	0.37	-0.01	-0.07	0.05	0.743237
CEBPB	rs4253449	813	0.05	-0.02	-0.17	0.12	0.745667
NR1I2	rs16830505	813	0.12	-0.02	-0.11	0.08	0.753703
LEPR	rs970467	813	0.12	0.02	-0.08	0.11	0.754745
LPIN2	rs3745013	813	0.35	0.01	-0.05	0.07	0.755532
LEPR	rs4655537	812	0.39	-0.01	-0.07	0.05	0.756405
ALOX5AP	rs4769055	808	0.30	0.01	-0.06	0.08	0.759948
ATF6	rs9482	813	0.30	-0.01	-0.07	0.05	0.760556
LPL	rs264	811	0.16	0.01	-0.07	0.09	0.762246
GHRL	rs35683	805	0.48	-0.01	-0.07	0.05	0.762436
ATF6	rs10918215	813	0.30	-0.01	-0.07	0.05	0.768140
LPL	rs10099160	812	0.20	0.01	-0.06	0.08	0.773025
PPARGCIA	rs3774921	813	0.46	0.01	-0.05	0.07	0.782804
LPIN3	rs4812495	799	0.14	0.01	-0.07	0.10	0.786981

<i>PCK2</i>	rs9783666	811	0.06	-0.02	-0.14	0.11	0.787184
<i>BHLHE40</i>	rs11918262	813	0.18	0.01	-0.07	0.09	0.789115
<i>MTTP</i>	rs1032355	813	0.19	0.01	-0.07	0.09	0.802666
<i>ATF6</i>	rs10918092	807	0.36	0.01	-0.05	0.07	0.806457
<i>BHLHE40</i>	rs11925620	813	0.04	0.02	-0.12	0.15	0.808336
<i>LPIN3</i>	rs16985665	812	0.20	0.01	-0.06	0.08	0.811129
<i>LPL</i>	rs316	813	0.13	0.01	-0.08	0.10	0.811529
<i>LPIN2</i>	rs11661932	813	0.10	-0.01	-0.11	0.09	0.816464
<i>LPIN1</i>	rs2577264	810	0.40	0.01	-0.05	0.07	0.828093
<i>BHLHE40</i>	rs11130215	812	0.19	0.01	-0.07	0.08	0.831976
<i>BHLHE40</i>	rs908078	813	0.17	0.01	-0.07	0.09	0.832133
<i>PPARGC1A</i>	rs13117172	813	0.19	-0.01	-0.09	0.07	0.837748
<i>LPIN2</i>	rs661767	812	0.30	0.01	-0.06	0.07	0.853699
<i>LPIN3</i>	rs6029636	813	0.26	0.01	-0.06	0.07	0.854829
<i>MTTP</i>	rs1057613	813	0.49	-0.01	-0.07	0.06	0.866216
<i>PPARGC1A</i>	rs2970869	813	0.22	0.01	-0.07	0.08	0.866887
<i>LPIN2</i>	rs1059281	813	0.29	0.00	-0.06	0.07	0.879000
<i>NR1I2</i>	rs1054190	813	0.12	-0.01	-0.10	0.09	0.879407
<i>LPIN1</i>	rs2577256	810	0.48	0.00	-0.07	0.06	0.879996
<i>BHLHE40</i>	rs1110261	810	0.21	0.01	-0.07	0.08	0.880194
<i>PPARGC1A</i>	rs7437482	813	0.35	0.00	-0.07	0.06	0.881428
<i>PPARG</i>	rs4135268	813	0.07	0.01	-0.10	0.12	0.883931
<i>PPARGC1A</i>	rs7682765	813	0.06	0.01	-0.11	0.13	0.891721
<i>LPIN1</i>	rs893349	813	0.43	0.00	-0.05	0.06	0.904672
<i>LPIN1</i>	rs3795974	812	0.40	0.00	-0.06	0.06	0.914027
<i>PPARG</i>	rs12497191	809	0.14	0.00	-0.09	0.08	0.918159
<i>CAV1</i>	rs959173	813	0.16	0.00	-0.08	0.08	0.919853
<i>FABP1</i>	rs2919867	813	0.20	0.00	-0.08	0.07	0.924928
<i>MTTP</i>	rs881980	813	0.14	0.00	-0.09	0.08	0.933394
<i>PPARD</i>	rs2076169	813	0.10	0.00	-0.10	0.11	0.946121
<i>LPL</i>	rs283	811	0.20	0.00	-0.08	0.07	0.946235
<i>PCK2</i>	rs2759407	813	0.07	0.00	-0.11	0.11	0.955674
<i>LPL</i>	rs253	813	0.46	0.00	-0.06	0.06	0.962842
<i>PCK2</i>	rs1951634	813	0.28	0.00	-0.06	0.07	0.964102
<i>PPARGC1A</i>	rs6850464	813	0.14	0.00	-0.09	0.09	0.970665
<i>ADIPOQ</i>	rs16861194	813	0.08	0.00	-0.10	0.11	0.984432
<i>MMP9</i>	rs2250889	812	0.05	0.00	-0.13	0.14	0.986488
<i>PPARGC1A</i>	rs3774923	796	0.04	0.00	-0.17	0.16	0.987732
<i>FABP4</i>	rs16909192	813	0.19	0.00	-0.08	0.08	0.987778
<i>LPIN2</i>	rs11665524	813	0.16	0.00	-0.08	0.08	0.994943

Data are given as regression coefficient (B) with lower (L95%CI) and upper (U95%CI) 95% confidence intervals. P-values were derived using linear regression. The gene denotes the locus with the closest proximity to the single nucleotide polymorphism (SNP). N, number of observations; MAF, minor allele frequency.

Supplementary Table 3A. SNP main effect on total cholesterol after $\geq 8\%$ weight loss

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>PPARGC1A</i>	rs13117172	721	0.19	-0.14	-0.24	-0.04	0.006734
<i>PPARGC1A</i>	rs10002521	719	0.31	-0.11	-0.19	-0.03	0.010063
<i>FABP4</i>	rs10109480	721	0.10	-0.16	-0.28	-0.04	0.010311
<i>PPARGC1A</i>	rs12374408	721	0.29	-0.11	-0.20	-0.02	0.011447
<i>CAVI</i>	rs2052106	719	0.34	-0.10	-0.18	-0.02	0.019587
<i>PPARGC1A</i>	rs9996943	721	0.42	-0.09	-0.17	-0.01	0.024279
<i>FNTA</i>	rs13282019	721	0.05	0.18	0.02	0.34	0.024942
<i>BHLHE40</i>	rs11918262	721	0.18	0.11	0.01	0.20	0.032425
<i>NR1I2</i>	rs3814055	721	0.38	-0.08	-0.16	0.00	0.037337
<i>PPARGC1A</i>	rs7674429	721	0.17	-0.11	-0.21	0.00	0.043564
<i>PPARGC1A</i>	rs4235308	720	0.41	0.08	0.00	0.16	0.044900
<i>BHLHE40</i>	rs2137947	721	0.21	0.09	0.00	0.18	0.045853
<i>LPL</i>	rs316	721	0.13	0.11	0.00	0.22	0.057415
<i>LPIN3</i>	rs12625565	719	0.22	0.09	-0.01	0.18	0.064970
<i>MTTP</i>	rs3816873	721	0.28	-0.08	-0.17	0.01	0.066675
<i>MLXIPL</i>	rs7798357	720	0.26	0.08	-0.01	0.16	0.067986
<i>CTSS</i>	rs11576175	721	0.11	-0.11	-0.23	0.01	0.069969
<i>BHLHE40</i>	rs1588794	721	0.10	-0.12	-0.25	0.01	0.070372
<i>PPARGC1A</i>	rs8192678	721	0.35	-0.07	-0.15	0.01	0.076103
<i>LEP</i>	rs2071045	721	0.24	-0.08	-0.17	0.01	0.076744
<i>ATF6</i>	rs1136046	721	0.15	0.10	-0.01	0.21	0.077067
<i>LPIN3</i>	rs4810312	717	0.41	0.07	-0.01	0.15	0.081443
<i>CAVI</i>	rs959173	721	0.16	-0.09	-0.19	0.01	0.087516
<i>MTTP</i>	rs1032355	721	0.19	-0.08	-0.18	0.01	0.090375
<i>ATF6</i>	rs12044770	719	0.09	0.12	-0.02	0.25	0.090610
<i>ATF6</i>	rs1135983	721	0.09	0.12	-0.02	0.25	0.090631
<i>ATF6</i>	rs6695284	721	0.09	0.12	-0.02	0.25	0.090631
<i>PPARGC1A</i>	rs10213440	715	0.17	0.09	-0.02	0.19	0.095543
<i>PPARGC1A</i>	rs2970855	721	0.33	0.07	-0.01	0.14	0.098909
<i>MTTP</i>	rs2035816	721	0.10	-0.11	-0.23	0.02	0.105856
<i>MLXIPL</i>	rs1051921	718	0.16	0.08	-0.02	0.18	0.107357
<i>LPIN2</i>	rs10853287	720	0.12	-0.09	-0.21	0.02	0.107450
<i>ADIPOQ</i>	rs7649121	720	0.18	0.08	-0.02	0.18	0.108070
<i>CAVI</i>	rs3779512	721	0.44	-0.06	-0.14	0.01	0.111174
<i>PPARGC1A</i>	rs7437482	721	0.35	0.06	-0.01	0.14	0.112178
<i>LPIN3</i>	rs6029646	719	0.26	0.06	-0.02	0.15	0.119349
<i>CAVI</i>	rs1049337	721	0.27	0.07	-0.02	0.15	0.129517
<i>CAVI</i>	rs3807989	721	0.41	-0.06	-0.14	0.02	0.135504
<i>ATF6</i>	rs2271012	708	0.09	0.10	-0.03	0.24	0.143749
<i>PPARGC1A</i>	rs2970847	721	0.17	0.07	-0.03	0.17	0.147226
<i>MLXIPL</i>	rs6967028	721	0.10	0.09	-0.03	0.22	0.152276
<i>NR1I2</i>	rs1403527	720	0.18	-0.07	-0.18	0.03	0.156316
<i>PPARGC1A</i>	rs2970853	721	0.23	0.06	-0.02	0.15	0.158364
<i>ADIPOQ</i>	rs12495941	721	0.37	-0.05	-0.13	0.02	0.163952
<i>CEBPB</i>	rs4253449	721	0.05	0.13	-0.05	0.31	0.164394
<i>LPIN3</i>	rs6029636	721	0.26	0.06	-0.02	0.14	0.167324
<i>PPARGC1A</i>	rs4361373	721	0.15	-0.07	-0.18	0.03	0.168527
<i>LEP</i>	rs2278815	721	0.46	0.05	-0.02	0.13	0.170835
<i>MTTP</i>	rs1057613	721	0.49	-0.05	-0.13	0.02	0.172292

<i>LPIN3</i>	rs6065338	720	0.18	0.07	-0.03	0.17	0.174874
<i>CAV1</i>	rs8713	721	0.18	-0.07	-0.17	0.03	0.180439
<i>CTSS</i>	rs10888390	720	0.36	0.05	-0.03	0.13	0.182715
<i>ADIPOQ</i>	rs17366568	721	0.14	-0.07	-0.18	0.04	0.192180
<i>FNTA</i>	rs10958736	721	0.11	0.07	-0.04	0.19	0.221243
<i>BHLHE40</i>	rs1110261	718	0.21	-0.06	-0.15	0.04	0.228916
<i>PPARGC1A</i>	rs12500214	721	0.22	0.06	-0.04	0.15	0.232700
<i>FABP4</i>	rs10099756	721	0.30	-0.05	-0.13	0.03	0.232960
<i>MMP9</i>	rs17576	719	0.36	-0.05	-0.13	0.03	0.233975
<i>PPARGC1A</i>	rs1388332	721	0.08	0.08	-0.05	0.22	0.234246
<i>LPIN2</i>	rs11661932	721	0.10	0.08	-0.05	0.20	0.236537
<i>LPIN2</i>	rs642926	719	0.34	-0.05	-0.13	0.03	0.236972
<i>MTTP</i>	rs982424	721	0.06	0.10	-0.06	0.26	0.237553
<i>NR1I2</i>	rs16830505	721	0.12	-0.07	-0.19	0.05	0.243995
<i>LPIN3</i>	rs16985665	721	0.20	0.05	-0.04	0.14	0.247322
<i>LPL</i>	rs1534649	720	0.42	-0.04	-0.12	0.03	0.250879
<i>CAV1</i>	rs3807995	720	0.07	0.09	-0.06	0.24	0.251784
<i>PPARGC1A</i>	rs3774921	721	0.46	0.05	-0.03	0.12	0.256048
<i>ATF6</i>	rs12086247	720	0.13	0.07	-0.05	0.18	0.260251
<i>ADRB3</i>	rs4994	721	0.07	0.08	-0.06	0.23	0.260619
<i>PPARGC1A</i>	rs2946385	721	0.42	0.04	-0.03	0.12	0.269436
<i>LPIN3</i>	rs6072343	720	0.14	0.06	-0.05	0.17	0.270432
<i>LPIN2</i>	rs625527	721	0.43	-0.04	-0.12	0.03	0.275633
<i>PPARGC1A</i>	rs3774923	704	0.04	0.11	-0.09	0.32	0.276501
<i>ATF6</i>	rs2499854	721	0.33	0.04	-0.04	0.12	0.282720
<i>ATF6</i>	rs10737517	720	0.28	0.05	-0.04	0.13	0.285579
<i>LPL</i>	rs249	721	0.09	0.07	-0.06	0.20	0.288396
<i>NR1I2</i>	rs11926554	720	0.21	-0.05	-0.14	0.04	0.292934
<i>CAV1</i>	rs926198	719	0.37	-0.04	-0.12	0.04	0.295171
<i>CAV1</i>	rs9920	721	0.10	-0.07	-0.19	0.06	0.296829
<i>PCK2</i>	rs9783666	719	0.06	0.08	-0.07	0.24	0.301302
<i>ATF6</i>	rs4657101	719	0.27	0.05	-0.04	0.13	0.301457
<i>FABP1</i>	rs2919867	721	0.20	0.05	-0.04	0.14	0.304555
<i>LEP</i>	rs11760956	712	0.38	0.04	-0.04	0.12	0.306451
<i>FABP1</i>	rs2970903	721	0.11	-0.06	-0.18	0.06	0.306552
<i>LPL</i>	rs3779788	721	0.16	-0.05	-0.16	0.05	0.309824
<i>LPL</i>	rs328	721	0.12	-0.06	-0.18	0.06	0.328321
<i>ATF6</i>	rs4657100	721	0.11	0.06	-0.06	0.19	0.329553
<i>LPIN2</i>	rs3934427	707	0.11	-0.06	-0.18	0.06	0.331518
<i>PPARGC1A</i>	rs4697426	721	0.23	0.05	-0.05	0.14	0.342956
<i>PPARGC1A</i>	rs17637318	721	0.28	0.04	-0.04	0.12	0.346082
<i>PPARGC1A</i>	rs3736265	721	0.07	0.07	-0.08	0.22	0.355660
<i>LPIN2</i>	rs11665524	721	0.16	0.05	-0.05	0.15	0.355785
<i>PPARG</i>	rs12497191	717	0.14	0.05	-0.06	0.17	0.356744
<i>ATF6</i>	rs12079579	721	0.07	0.07	-0.08	0.23	0.359565
<i>FRAP1</i>	rs1770345	720	0.47	0.04	-0.04	0.11	0.359915
<i>FABP1</i>	rs2970902	721	0.37	-0.04	-0.11	0.04	0.360957
<i>ALOX5AP</i>	rs4769873	720	0.07	-0.07	-0.23	0.08	0.361053
<i>MTTP</i>	rs3828542	721	0.17	0.05	-0.05	0.15	0.362123
<i>PPARG</i>	rs17793693	721	0.10	0.06	-0.07	0.18	0.363303
<i>APP</i>	rs17588612	721	0.09	0.06	-0.07	0.20	0.364269
<i>BHLHE40</i>	rs1467159	721	0.49	0.03	-0.04	0.11	0.365554

<i>LPIN2</i>	rs6506041	721	0.32	0.04	-0.05	0.12	0.366083
<i>LPIN1</i>	rs13013930	721	0.25	-0.04	-0.12	0.05	0.369811
<i>ATF6</i>	rs4657110	721	0.11	0.06	-0.07	0.18	0.372787
<i>ATF6</i>	rs6670606	721	0.11	0.06	-0.07	0.18	0.372787
<i>ATF6</i>	rs12026254	716	0.11	0.06	-0.07	0.19	0.374574
<i>NR1I2</i>	rs3732360	720	0.26	-0.04	-0.13	0.05	0.383057
<i>PPARGC1A</i>	rs11734408	721	0.28	0.04	-0.05	0.12	0.395344
<i>PPARG</i>	rs4135275	721	0.19	-0.04	-0.14	0.06	0.401669
<i>ATF6</i>	rs3767635	721	0.31	-0.03	-0.12	0.05	0.403638
<i>ATF6</i>	rs12032568	717	0.11	0.05	-0.07	0.18	0.412604
<i>PPARGC1A</i>	rs4469064	721	0.09	0.06	-0.08	0.19	0.418574
<i>LPIN1</i>	rs11695702	721	0.28	-0.03	-0.12	0.05	0.422835
<i>MMP9</i>	rs3918253	709	0.44	-0.03	-0.11	0.05	0.423817
<i>LPIN1</i>	rs2577256	718	0.48	0.03	-0.05	0.11	0.437950
<i>LPIN2</i>	rs1985	721	0.31	0.03	-0.05	0.11	0.440028
<i>ATF6</i>	rs2134697	720	0.27	0.03	-0.05	0.12	0.447892
<i>ATF6</i>	rs1417580	721	0.45	-0.03	-0.11	0.05	0.449485
<i>FABP1</i>	rs2919871	719	0.27	-0.03	-0.12	0.05	0.449806
<i>ADRB3</i>	rs4998	719	0.06	0.06	-0.09	0.21	0.451246
<i>NR1I2</i>	rs3732361	721	0.38	-0.03	-0.11	0.05	0.453683
<i>PPARGC1A</i>	rs2970848	721	0.33	0.03	-0.05	0.11	0.456814
<i>LPIN1</i>	rs4315495	720	0.42	-0.03	-0.10	0.05	0.459273
<i>PPARGC1A</i>	rs7682765	721	0.06	0.06	-0.10	0.21	0.463667
<i>ADRB3</i>	rs2071493	721	0.06	0.06	-0.10	0.21	0.464533
<i>LPIN2</i>	rs1059281	720	0.29	0.03	-0.05	0.11	0.465468
<i>PPARGC1A</i>	rs7657071	721	0.30	0.03	-0.05	0.11	0.469640
<i>PPARG</i>	rs10510418	721	0.31	-0.03	-0.11	0.05	0.474312
<i>PPARG</i>	rs13099634	719	0.19	-0.04	-0.13	0.06	0.474862
<i>FABP1</i>	rs2241883	721	0.33	-0.03	-0.11	0.05	0.480223
<i>LPIN1</i>	rs1050800	721	0.16	-0.04	-0.14	0.07	0.494475
<i>LEP</i>	rs11763517	721	0.50	-0.03	-0.11	0.05	0.496077
<i>FABP1</i>	rs894194	721	0.24	-0.03	-0.12	0.06	0.496173
<i>LPIN2</i>	rs3819090	721	0.29	-0.03	-0.11	0.05	0.498123
<i>ADRB3</i>	rs4997	720	0.06	0.05	-0.10	0.20	0.498930
<i>ATF6</i>	rs2499851	720	0.31	-0.03	-0.11	0.05	0.500431
<i>LPIN1</i>	rs2577261	721	0.10	-0.04	-0.17	0.08	0.505850
<i>LPIN1</i>	rs3795974	720	0.40	-0.03	-0.10	0.05	0.506711
<i>CEBPB</i>	rs2904254	721	0.17	0.03	-0.07	0.14	0.506984
<i>FABP1</i>	rs1441644	719	0.29	0.03	-0.06	0.11	0.507594
<i>ATF6</i>	rs1058405	721	0.26	-0.03	-0.11	0.06	0.509072
<i>LPIN2</i>	rs9635812	721	0.28	-0.03	-0.11	0.06	0.512258
<i>FABP4</i>	rs16909192	721	0.19	0.03	-0.07	0.14	0.515434
<i>LPIN2</i>	rs1164	721	0.19	-0.03	-0.13	0.06	0.519419
<i>PPARD</i>	rs9658119	720	0.13	0.04	-0.08	0.16	0.525660
<i>MTTP</i>	rs2306985	721	0.37	-0.03	-0.11	0.05	0.526453
<i>ADIPOQ</i>	rs3774261	721	0.41	0.02	-0.05	0.10	0.528663
<i>LPL</i>	rs17410577	721	0.17	-0.03	-0.13	0.07	0.528983
<i>ADRB2</i>	rs1042713	721	0.39	0.02	-0.05	0.10	0.536971
<i>PPARGC1A</i>	rs2279525	690	0.29	0.03	-0.06	0.12	0.540821
<i>LPIN3</i>	rs7263195	721	0.05	0.05	-0.12	0.22	0.560337
<i>PPARD</i>	rs4713854	721	0.07	0.04	-0.11	0.20	0.563760
<i>ATF6</i>	rs9482	721	0.30	0.02	-0.06	0.11	0.571618

<i>PCK2</i>	rs2071586	706	0.24	-0.03	-0.12	0.07	0.571827
<i>CAV1</i>	rs3815412	720	0.25	-0.02	-0.11	0.06	0.592847
<i>ATF6</i>	rs1394070	721	0.14	-0.03	-0.14	0.08	0.599428
<i>LPIN1</i>	rs6726960	721	0.23	0.02	-0.07	0.11	0.601805
<i>BHLHE40</i>	rs11920786	720	0.15	0.03	-0.08	0.14	0.612150
<i>PPARG</i>	rs4135268	721	0.07	0.04	-0.11	0.19	0.619470
<i>PPARG</i>	rs10865710	721	0.26	0.02	-0.07	0.11	0.622964
<i>PPARD</i>	rs2267668	721	0.16	0.03	-0.08	0.13	0.623509
<i>ADIPOQ</i>	rs2241767	721	0.13	0.03	-0.09	0.15	0.628208
<i>LPIN1</i>	rs2278513	721	0.45	0.02	-0.06	0.09	0.630172
<i>ATF6</i>	rs10918092	716	0.36	-0.02	-0.10	0.06	0.633753
<i>BHLHE40</i>	rs11925620	721	0.04	-0.04	-0.21	0.13	0.636560
<i>APP</i>	rs128648	721	0.25	-0.02	-0.11	0.07	0.637311
<i>PPARGC1A</i>	rs2970869	721	0.22	-0.02	-0.11	0.07	0.637351
<i>LPL</i>	rs283	719	0.20	0.02	-0.07	0.12	0.639631
<i>PPARGC1A</i>	rs7665116	715	0.13	0.03	-0.09	0.14	0.642278
<i>LPIN3</i>	rs4812495	707	0.14	0.03	-0.08	0.13	0.643650
<i>ADIPOQ</i>	rs822387	721	0.07	0.03	-0.11	0.18	0.644555
<i>PPARGC1A</i>	rs2305681	720	0.05	-0.04	-0.23	0.15	0.649201
<i>PPARG</i>	rs1801282	721	0.13	-0.03	-0.14	0.09	0.656934
<i>LPIN1</i>	rs2577264	719	0.40	-0.02	-0.10	0.06	0.657932
<i>PPARG</i>	rs10510419	719	0.16	0.02	-0.08	0.13	0.659547
<i>ATF6</i>	rs10918215	721	0.30	0.02	-0.06	0.10	0.662776
<i>BHLHE40</i>	rs908078	721	0.17	0.02	-0.08	0.12	0.664558
<i>LPL</i>	rs13702	720	0.33	0.02	-0.06	0.10	0.665474
<i>NR1I2</i>	rs2461823	721	0.35	0.02	-0.06	0.10	0.666756
<i>CAV1</i>	rs4730751	721	0.28	-0.02	-0.10	0.07	0.679291
<i>PPARD</i>	rs2076169	721	0.10	-0.03	-0.16	0.11	0.687948
<i>PPARG</i>	rs7650895	721	0.19	-0.02	-0.12	0.08	0.688299
<i>PPARD</i>	rs11751895	721	0.03	0.05	-0.20	0.31	0.689240
<i>PPARGC1A</i>	rs2970870	721	0.42	0.02	-0.06	0.09	0.695576
<i>PPARG</i>	rs2972164	721	0.48	0.02	-0.06	0.09	0.697580
<i>PPARD</i>	rs6457816	720	0.09	-0.03	-0.16	0.11	0.699500
<i>LPIN2</i>	rs4570954	721	0.20	0.02	-0.08	0.11	0.712917
<i>LPIN2</i>	rs3745013	721	0.35	0.01	-0.06	0.09	0.716497
<i>LPIN2</i>	rs661767	720	0.30	-0.01	-0.10	0.07	0.720120
<i>ADRB2</i>	rs1042719	721	0.29	0.02	-0.07	0.10	0.722851
<i>MMP9</i>	rs2250889	720	0.05	0.03	-0.14	0.20	0.729349
<i>ADIPOQ</i>	rs1501299	721	0.28	0.01	-0.07	0.10	0.738344
<i>ATF6</i>	rs7554023	721	0.19	-0.02	-0.11	0.08	0.746302
<i>ATF6</i>	rs3795649	721	0.38	-0.01	-0.09	0.06	0.747780
<i>NR1I2</i>	rs1054190	721	0.12	0.02	-0.10	0.14	0.750907
<i>LPIN2</i>	rs4797092	721	0.08	-0.02	-0.16	0.12	0.763840
<i>LPL</i>	rs253	721	0.46	-0.01	-0.09	0.06	0.763846
<i>PPARD</i>	rs6902123	721	0.09	0.02	-0.12	0.16	0.766502
<i>MTTP</i>	rs17029213	720	0.03	0.03	-0.18	0.24	0.769999
<i>LPIN1</i>	rs10520097	721	0.16	-0.02	-0.12	0.09	0.770676
<i>ADIPOQ</i>	rs182052	721	0.36	-0.01	-0.09	0.07	0.775298
<i>CEBPB</i>	rs6020348	721	0.42	0.01	-0.06	0.09	0.781799
<i>LPL</i>	rs270	721	0.14	-0.01	-0.12	0.09	0.784566
<i>LPIN2</i>	rs10438875	721	0.23	0.01	-0.08	0.10	0.794761
<i>ADIPOQ</i>	rs3821799	721	0.47	0.01	-0.06	0.08	0.801891

<i>LPIN2</i>	rs7233117	721	0.30	-0.01	-0.10	0.08	0.806764
<i>PPARG</i>	rs3856806	721	0.12	0.01	-0.10	0.13	0.807987
<i>LPIN2</i>	rs607549	720	0.27	-0.01	-0.10	0.08	0.809973
<i>PPARG</i>	rs709157	721	0.29	-0.01	-0.09	0.07	0.812730
<i>PPARD</i>	rs2038068	718	0.24	-0.01	-0.10	0.08	0.813380
<i>PCK2</i>	rs2759407	721	0.07	0.02	-0.12	0.16	0.823175
<i>ADIPOQ</i>	rs2241766	721	0.13	0.01	-0.10	0.13	0.825143
<i>LPIN1</i>	rs11524	721	0.12	0.01	-0.10	0.13	0.832146
<i>PPARG</i>	rs2938395	721	0.36	-0.01	-0.09	0.07	0.833735
<i>LPL</i>	rs285	721	0.49	0.01	-0.07	0.08	0.840908
<i>CTSS</i>	rs1136774	721	0.49	0.01	-0.07	0.09	0.841302
<i>NR3C1</i>	rs10482682	706	0.39	-0.01	-0.09	0.07	0.843892
<i>PTEN</i>	rs2299939	718	0.20	0.01	-0.08	0.10	0.845101
<i>APP</i>	rs17001492	721	0.07	-0.02	-0.17	0.14	0.845291
<i>LPL</i>	rs10099160	720	0.20	-0.01	-0.10	0.08	0.846234
<i>MTTP</i>	rs881980	721	0.14	0.01	-0.10	0.12	0.852000
<i>LEP</i>	rs7788818	721	0.06	-0.02	-0.18	0.15	0.855445
<i>LPIN1</i>	rs893349	721	0.43	0.01	-0.07	0.08	0.866225
<i>PPARG</i>	rs4135247	721	0.42	0.01	-0.07	0.09	0.866935
<i>PPARGCIA</i>	rs2932976	721	0.26	0.01	-0.08	0.10	0.869500
<i>PPARGCIA</i>	rs6850464	721	0.14	0.01	-0.10	0.12	0.870123
<i>LPIN1</i>	rs4669778	721	0.46	-0.01	-0.08	0.07	0.872532
<i>ATF6</i>	rs4417044	721	0.25	0.01	-0.08	0.09	0.872800
<i>BHLHE40</i>	rs11130215	720	0.19	-0.01	-0.10	0.09	0.872813
<i>LPL</i>	rs264	719	0.16	-0.01	-0.11	0.09	0.875419
<i>ADIPOQ</i>	rs822396	721	0.17	0.01	-0.09	0.11	0.885423
<i>LPL</i>	rs2197089	721	0.44	0.01	-0.07	0.08	0.894983
<i>PPARG</i>	rs2120825	721	0.11	-0.01	-0.13	0.11	0.908986
<i>PCK2</i>	rs11629199	721	0.10	0.01	-0.12	0.13	0.921117
<i>MMP9</i>	rs3787268	721	0.21	0.00	-0.09	0.10	0.924046
<i>LPIN1</i>	rs2358126	721	0.46	0.00	-0.07	0.08	0.929866
<i>LPIN1</i>	rs893346	719	0.06	0.01	-0.15	0.17	0.934859
<i>PPARG</i>	rs1797912	721	0.35	0.00	-0.08	0.08	0.935213
<i>LPL</i>	rs248	721	0.07	-0.01	-0.15	0.14	0.937128
<i>ADRB2</i>	rs2400707	721	0.41	0.00	-0.07	0.08	0.940235
<i>PCK2</i>	rs1951634	721	0.28	0.00	-0.08	0.09	0.942912
<i>PPARG</i>	rs12629751	721	0.09	0.00	-0.13	0.14	0.948818
<i>ATF6</i>	rs12130299	721	0.25	0.00	-0.09	0.09	0.951812
<i>ADIPOQ</i>	rs16861194	721	0.08	0.00	-0.14	0.14	0.968907
<i>NR1I2</i>	rs1403526	721	0.29	0.00	-0.08	0.08	0.977847
<i>PPARD</i>	rs7744392	720	0.05	0.00	-0.17	0.17	0.998547

Supplementary Table 3B. SNP main effect on LDL-cholesterol after $\geq 8\%$ weight loss

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>PPARGC1A</i>	rs13117172	717	0.19	-0.12	-0.21	-0.04	0.004377
<i>FABP4</i>	rs10109480	717	0.10	-0.14	-0.24	-0.04	0.006161
<i>PPARGC1A</i>	rs12374408	717	0.29	-0.09	-0.16	-0.02	0.013354
<i>BHLHE40</i>	rs11918262	717	0.18	0.10	0.02	0.18	0.016943
<i>PPARGC1A</i>	rs10002521	715	0.31	-0.08	-0.15	-0.01	0.019784
<i>PPARGC1A</i>	rs7674429	717	0.17	-0.10	-0.18	-0.01	0.027128
<i>PPARGC1A</i>	rs4235308	716	0.41	0.07	0.01	0.14	0.031499
<i>NR1I2</i>	rs3814055	717	0.38	-0.07	-0.14	-0.01	0.034193
<i>BHLHE40</i>	rs2137947	717	0.21	0.08	0.01	0.15	0.035797
<i>PPARGC1A</i>	rs2970855	717	0.33	0.07	0.00	0.13	0.040929
<i>CAV1</i>	rs959173	717	0.16	-0.09	-0.17	0.00	0.048257
<i>LPIN3</i>	rs12625565	715	0.22	0.08	0.00	0.15	0.048770
<i>PPARGC1A</i>	rs9996943	717	0.42	-0.06	-0.13	0.00	0.050178
<i>PPARGC1A</i>	rs10213440	711	0.17	0.08	0.00	0.17	0.050802
<i>LPL</i>	rs316	717	0.13	0.09	0.00	0.19	0.055127
<i>FNTA</i>	rs13282019	717	0.05	0.13	-0.01	0.26	0.061070
<i>ADIPOQ</i>	rs7649121	716	0.18	0.08	0.00	0.16	0.061621
<i>LEP</i>	rs2071045	717	0.24	-0.07	-0.14	0.00	0.065061
<i>MTTP</i>	rs3828542	717	0.17	0.08	-0.01	0.16	0.078868
<i>MTTP</i>	rs1032355	717	0.19	-0.07	-0.15	0.01	0.085064
<i>CAV1</i>	rs1049337	717	0.27	0.06	-0.01	0.13	0.099064
<i>PPARGC1A</i>	rs2970853	717	0.23	0.06	-0.01	0.14	0.099727
<i>CAV1</i>	rs3779512	717	0.44	-0.05	-0.12	0.01	0.107836
<i>LEP</i>	rs2278815	717	0.46	0.05	-0.01	0.12	0.109169
<i>PPARGC1A</i>	rs7437482	717	0.35	0.05	-0.01	0.12	0.115965
<i>CAV1</i>	rs3807989	717	0.41	-0.05	-0.12	0.01	0.119797
<i>BHLHE40</i>	rs1588794	717	0.10	-0.08	-0.19	0.02	0.127134
<i>MTTP</i>	rs2035816	717	0.10	-0.08	-0.19	0.02	0.127893
<i>FABP1</i>	rs2919867	717	0.20	0.06	-0.02	0.14	0.131539
<i>MTTP</i>	rs3816873	717	0.28	-0.06	-0.13	0.02	0.132558
<i>LPL</i>	rs1534649	716	0.42	-0.05	-0.11	0.02	0.135206
<i>LPIN3</i>	rs6065338	716	0.18	0.06	-0.02	0.15	0.140182
<i>CEBPB</i>	rs4253449	717	0.05	0.11	-0.04	0.27	0.145017
<i>MLXIPL</i>	rs6967028	717	0.10	0.08	-0.03	0.18	0.145769
<i>LPIN3</i>	rs4810312	713	0.41	0.05	-0.02	0.11	0.148493
<i>PPARGC1A</i>	rs1388332	717	0.08	0.08	-0.03	0.20	0.154077
<i>ADIPOQ</i>	rs12495941	717	0.37	-0.05	-0.11	0.02	0.154655
<i>PPARGC1A</i>	rs3774923	701	0.04	0.12	-0.05	0.30	0.158601
<i>PPARGC1A</i>	rs2970847	717	0.17	0.06	-0.02	0.14	0.160407
<i>ATF6</i>	rs1136046	717	0.15	0.06	-0.03	0.16	0.163944
<i>FABP4</i>	rs16909192	717	0.19	0.06	-0.03	0.14	0.178283
<i>CAV1</i>	rs926198	715	0.37	-0.05	-0.11	0.02	0.178692
<i>LPIN2</i>	rs6506041	717	0.32	0.05	-0.02	0.12	0.181226
<i>LEP</i>	rs11760956	708	0.38	0.04	-0.02	0.11	0.185817
<i>LPIN2</i>	rs11665524	717	0.16	0.06	-0.03	0.14	0.185853
<i>NR1I2</i>	rs1403527	716	0.18	-0.06	-0.15	0.03	0.186124
<i>FABP1</i>	rs2970903	717	0.11	-0.07	-0.17	0.03	0.186655
<i>ADRB2</i>	rs1042713	717	0.39	0.04	-0.02	0.11	0.192707
<i>LPIN2</i>	rs642926	715	0.34	-0.04	-0.11	0.02	0.194774

<i>ATF6</i>	rs12044770	715	0.09	0.07	-0.04	0.19	0.205331
<i>LPIN3</i>	rs6029646	715	0.26	0.04	-0.02	0.11	0.206803
<i>PPARGC1A</i>	rs8192678	717	0.35	-0.04	-0.11	0.02	0.207464
<i>ATF6</i>	rs1135983	717	0.09	0.07	-0.04	0.19	0.208076
<i>ATF6</i>	rs6695284	717	0.09	0.07	-0.04	0.19	0.208076
<i>ATF6</i>	rs4657101	715	0.27	0.05	-0.03	0.12	0.209549
<i>BHLHE40</i>	rs1110261	714	0.21	-0.05	-0.13	0.03	0.210963
<i>LPL</i>	rs3779788	717	0.16	-0.05	-0.14	0.03	0.232978
<i>LPIN3</i>	rs6072343	716	0.14	0.06	-0.04	0.15	0.239365
<i>MTTP</i>	rs881980	717	0.14	0.05	-0.04	0.14	0.240052
<i>PPARGC1A</i>	rs3736265	717	0.07	0.07	-0.05	0.20	0.244401
<i>CTSS</i>	rs7511673	717	0.39	0.04	-0.03	0.10	0.244728
<i>PPARGC1A</i>	rs17637318	717	0.28	0.04	-0.03	0.11	0.246758
<i>LPL</i>	rs17410577	717	0.17	-0.05	-0.13	0.03	0.254565
<i>PPARG</i>	rs709157	717	0.29	-0.04	-0.11	0.03	0.255460
<i>LPIN3</i>	rs6029636	717	0.26	0.04	-0.03	0.11	0.257193
<i>ATF6</i>	rs10737517	716	0.28	0.04	-0.03	0.11	0.264233
<i>LPIN1</i>	rs2577261	717	0.10	-0.06	-0.17	0.05	0.268488
<i>LPIN2</i>	rs11661932	717	0.10	0.06	-0.05	0.17	0.269469
<i>PPARG</i>	rs10510418	717	0.31	-0.04	-0.11	0.03	0.273770
<i>LPL</i>	rs270	717	0.14	-0.05	-0.13	0.04	0.278221
<i>CTSS</i>	rs10888390	716	0.36	0.04	-0.03	0.10	0.282207
<i>ATF6</i>	rs2271012	704	0.09	0.06	-0.05	0.18	0.284304
<i>PPARGC1A</i>	rs11734408	717	0.28	0.04	-0.03	0.11	0.287257
<i>MLXIPL</i>	rs7798357	716	0.26	0.04	-0.03	0.11	0.289719
<i>LPL</i>	rs249	717	0.09	0.06	-0.05	0.17	0.300397
<i>NR1I2</i>	rs11926554	716	0.21	-0.04	-0.12	0.04	0.301962
<i>ATF6</i>	rs2499854	717	0.33	0.04	-0.03	0.10	0.305097
<i>PPARD</i>	rs4713854	717	0.07	0.06	-0.06	0.19	0.323286
<i>PPARGC1A</i>	rs7665116	711	0.13	0.05	-0.05	0.15	0.333506
<i>LPIN2</i>	rs10853287	716	0.12	-0.05	-0.14	0.05	0.350590
<i>LPIN1</i>	rs2577256	714	0.48	0.03	-0.03	0.10	0.351700
<i>PCK2</i>	rs11629199	717	0.10	0.05	-0.06	0.16	0.354006
<i>LPL</i>	rs328	717	0.12	-0.05	-0.15	0.05	0.360417
<i>MTTP</i>	rs982424	717	0.06	0.06	-0.07	0.20	0.366794
<i>LPIN1</i>	rs2278513	717	0.45	0.03	-0.03	0.09	0.367216
<i>NR1I2</i>	rs1403526	717	0.29	-0.03	-0.10	0.04	0.381735
<i>PCK2</i>	rs9783666	715	0.06	0.06	-0.07	0.19	0.384398
<i>PPARG</i>	rs2938395	717	0.36	-0.03	-0.10	0.04	0.389350
<i>FNTA</i>	rs10958736	717	0.11	0.04	-0.05	0.14	0.398066
<i>LPIN3</i>	rs16985665	717	0.20	0.03	-0.04	0.11	0.398613
<i>BHLHE40</i>	rs908078	717	0.17	0.04	-0.05	0.12	0.400011
<i>FABP4</i>	rs10099756	717	0.30	-0.03	-0.10	0.04	0.400855
<i>LPIN2</i>	rs1164	717	0.19	-0.03	-0.11	0.05	0.401133
<i>CAVI</i>	rs9920	717	0.10	-0.04	-0.15	0.06	0.414001
<i>MMP9</i>	rs17576	715	0.36	-0.03	-0.10	0.04	0.430871
<i>KCNJ11 + ABCC8</i>	rs7939973	717	0.09	0.05	-0.07	0.16	0.433869
<i>PPARGC1A</i>	rs4697426	717	0.23	0.03	-0.05	0.11	0.439198
<i>LPL</i>	rs13702	716	0.33	0.03	-0.04	0.09	0.451467
<i>CEBPB</i>	rs2904254	717	0.17	0.03	-0.05	0.12	0.452189
<i>PPARGC1A</i>	rs4361373	717	0.15	-0.03	-0.12	0.05	0.453378
<i>LPIN1</i>	rs1050800	717	0.16	-0.03	-0.12	0.05	0.453408

<i>FABP1</i>	rs2970902	717	0.37	-0.03	-0.09	0.04	0.453526
<i>PPARG</i>	rs4135275	717	0.19	-0.03	-0.11	0.05	0.454290
<i>ATF6</i>	rs4657100	717	0.11	0.04	-0.07	0.15	0.465131
<i>NR1I2</i>	rs1054190	717	0.12	0.04	-0.06	0.14	0.465969
<i>LPIN2</i>	rs3934427	703	0.11	-0.04	-0.13	0.06	0.470276
<i>MLXIPL</i>	rs1051921	714	0.16	0.03	-0.05	0.11	0.471805
<i>ATF6</i>	rs9482	717	0.30	0.02	-0.04	0.09	0.482388
<i>GHRL</i>	rs11718213	713	0.08	-0.04	-0.16	0.08	0.497546
<i>PPARGC1A</i>	rs3774921	717	0.46	0.02	-0.04	0.09	0.499907
<i>PPARD</i>	rs2267668	717	0.16	0.03	-0.06	0.12	0.504019
<i>MMP9</i>	rs3918253	705	0.44	-0.02	-0.09	0.04	0.510800
<i>FABP1</i>	rs2241883	717	0.33	-0.02	-0.09	0.04	0.521338
<i>LPIN1</i>	rs893349	717	0.43	0.02	-0.04	0.08	0.521756
<i>LPIN2</i>	rs7233117	717	0.30	-0.02	-0.10	0.05	0.522451
<i>LPL</i>	rs10099160	716	0.20	-0.02	-0.10	0.05	0.526992
<i>PPARGC1A</i>	rs4469064	717	0.09	0.04	-0.08	0.15	0.527379
<i>NR1I2</i>	rs3732360	716	0.26	-0.02	-0.10	0.05	0.541637
<i>PPARG</i>	rs1797912	717	0.35	-0.02	-0.09	0.05	0.541758
<i>LPIN1</i>	rs11524	717	0.12	-0.03	-0.13	0.07	0.548069
<i>MMP9</i>	rs3787268	717	0.21	0.02	-0.05	0.10	0.555570
<i>PPARG</i>	rs12497191	713	0.14	0.03	-0.07	0.12	0.556636
<i>ATF6</i>	rs4657110	717	0.11	0.03	-0.07	0.14	0.557421
<i>ATF6</i>	rs6670606	717	0.11	0.03	-0.07	0.14	0.557421
<i>LPIN1</i>	rs893346	715	0.06	0.04	-0.10	0.18	0.557944
<i>CEBPB</i>	rs6020348	717	0.42	0.02	-0.04	0.08	0.558304
<i>BHLHE40</i>	rs1467159	717	0.49	0.02	-0.04	0.08	0.561198
<i>LPIN2</i>	rs1059281	716	0.29	0.02	-0.05	0.09	0.562251
<i>APP</i>	rs2830027	717	0.22	-0.02	-0.10	0.06	0.562265
<i>PPARG</i>	rs17793693	717	0.10	0.03	-0.07	0.14	0.566036
<i>LPL</i>	rs253	717	0.46	-0.02	-0.08	0.04	0.566095
<i>ATF6</i>	rs12026254	712	0.11	0.03	-0.08	0.14	0.567767
<i>PPARG</i>	rs10510419	715	0.16	0.03	-0.06	0.11	0.567929
<i>LPIN2</i>	rs1985	717	0.31	0.02	-0.05	0.09	0.569502
<i>ATF6</i>	rs10918215	717	0.30	0.02	-0.05	0.09	0.569641
<i>LPIN1</i>	rs3795974	716	0.40	-0.02	-0.08	0.05	0.571092
<i>ATF6</i>	rs2499851	716	0.31	-0.02	-0.09	0.05	0.583657
<i>PPARGC1A</i>	rs2946385	717	0.42	0.02	-0.05	0.08	0.586623
<i>PPARGC1A</i>	rs2932976	717	0.26	-0.02	-0.09	0.05	0.587418
<i>ADRB2</i>	rs2400707	717	0.41	-0.02	-0.08	0.05	0.588625
<i>LPIN1</i>	rs2358126	717	0.46	0.02	-0.05	0.08	0.606797
<i>ADIPOQ</i>	rs16861194	717	0.08	0.03	-0.09	0.15	0.609749
<i>ADRB3</i>	rs4994	717	0.07	0.03	-0.09	0.16	0.619917
<i>LPIN2</i>	rs4570954	717	0.20	0.02	-0.06	0.10	0.623788
<i>PPARG</i>	rs3856806	717	0.12	0.02	-0.07	0.12	0.627997
<i>ATF6</i>	rs12032568	713	0.11	0.03	-0.08	0.13	0.637372
<i>ATF6</i>	rs1417580	717	0.45	-0.02	-0.08	0.05	0.637687
<i>PPARD</i>	rs6457816	716	0.09	-0.03	-0.14	0.09	0.645244
<i>PPARG</i>	rs4135247	717	0.42	0.02	-0.05	0.08	0.647590
<i>LPIN1</i>	rs13013930	717	0.25	-0.02	-0.09	0.06	0.648061
<i>PPARG</i>	rs13099634	715	0.19	-0.02	-0.10	0.06	0.649910
<i>NR1I2</i>	rs2461823	717	0.35	0.02	-0.05	0.08	0.652452
<i>PPARG</i>	rs10865710	717	0.26	0.02	-0.06	0.09	0.655549

<i>BHLHE40</i>	rs11925620	717	0.04	-0.03	-0.17	0.11	0.656814
<i>LPIN1</i>	rs11695702	717	0.28	-0.02	-0.09	0.05	0.663860
<i>PPARD</i>	rs9658119	716	0.13	0.02	-0.08	0.12	0.667563
<i>MTTP</i>	rs1057613	717	0.49	-0.01	-0.08	0.05	0.671151
<i>ADIPOQ</i>	rs2241767	717	0.13	0.02	-0.08	0.12	0.675333
<i>PTEN</i>	rs1234218	717	0.05	0.03	-0.11	0.17	0.682511
<i>ATF6</i>	rs3795649	717	0.38	-0.01	-0.08	0.05	0.682512
<i>PPARG</i>	rs2972164	717	0.48	0.01	-0.05	0.08	0.687880
<i>PPARGC1A</i>	rs12500214	717	0.22	0.02	-0.06	0.09	0.689515
<i>LPL</i>	rs248	717	0.07	0.03	-0.10	0.15	0.689808
<i>PPARG</i>	rs2120825	717	0.11	0.02	-0.08	0.12	0.690673
<i>MTTP</i>	rs17029213	716	0.03	0.04	-0.15	0.22	0.690714
<i>ATF6</i>	rs2134697	716	0.27	0.01	-0.06	0.09	0.692257
<i>ADIPOQ</i>	rs17366568	717	0.14	-0.02	-0.11	0.07	0.693751
<i>PPARGC1A</i>	rs7657071	717	0.30	0.01	-0.05	0.08	0.697910
<i>ATF6</i>	rs12086247	716	0.13	0.02	-0.08	0.12	0.700705
<i>LPIN1</i>	rs4315495	716	0.42	-0.01	-0.07	0.05	0.705540
<i>ATF6</i>	rs7554023	717	0.19	0.02	-0.07	0.10	0.710266
<i>PPARGC1A</i>	rs2279525	686	0.29	0.01	-0.06	0.09	0.710734
<i>PPARG</i>	rs4135268	717	0.07	0.02	-0.10	0.15	0.715963
<i>ATF6</i>	rs3767635	717	0.31	-0.01	-0.08	0.06	0.722253
<i>PCK2</i>	rs2759407	717	0.07	0.02	-0.10	0.14	0.729369
<i>BHLHE40</i>	rs11920786	716	0.15	0.02	-0.08	0.11	0.731980
<i>PPARD</i>	rs11751895	717	0.03	0.04	-0.18	0.25	0.732963
<i>ATF6</i>	rs4417044	717	0.25	0.01	-0.06	0.09	0.733271
<i>LPIN3</i>	rs7263195	717	0.05	0.02	-0.12	0.17	0.735123
<i>CAV1</i>	rs3815412	716	0.25	-0.01	-0.09	0.06	0.740409
<i>ADIPOQ</i>	rs182052	717	0.36	0.01	-0.05	0.08	0.741656
<i>ATF6</i>	rs1058405	717	0.26	-0.01	-0.08	0.06	0.743924
<i>LPIN2</i>	rs607549	716	0.27	-0.01	-0.08	0.06	0.745012
<i>TLR4</i>	rs10759930	717	0.43	-0.01	-0.08	0.06	0.745683
<i>LPIN1</i>	rs6726960	717	0.23	-0.01	-0.09	0.06	0.753464
<i>ADIPOQ</i>	rs822387	717	0.07	-0.02	-0.14	0.10	0.753858
<i>ADIPOQ</i>	rs1501299	717	0.28	-0.01	-0.08	0.06	0.757104
<i>LPIN2</i>	rs625527	717	0.43	-0.01	-0.07	0.05	0.770595
<i>LPIN2</i>	rs3745013	717	0.35	0.01	-0.05	0.07	0.772173
<i>NR1I2</i>	rs16830505	717	0.12	-0.01	-0.11	0.09	0.781800
<i>ATF6</i>	rs10918092	711	0.36	-0.01	-0.08	0.06	0.784994
<i>NR1I2</i>	rs3732361	717	0.38	-0.01	-0.07	0.06	0.785393
<i>ADRB2</i>	rs1042719	717	0.29	0.01	-0.06	0.08	0.797108
<i>PPARG</i>	rs7650895	717	0.19	-0.01	-0.09	0.07	0.803672
<i>PPARGC1A</i>	rs2970848	717	0.33	0.01	-0.06	0.08	0.804200
<i>CAV1</i>	rs4730751	717	0.28	-0.01	-0.08	0.06	0.807627
<i>ATF6</i>	rs12130299	717	0.25	0.01	-0.07	0.08	0.818434
<i>LEP</i>	rs7788818	717	0.06	-0.02	-0.15	0.12	0.818536
<i>PPARG</i>	rs12629751	717	0.09	-0.01	-0.13	0.10	0.833922
<i>PCK2</i>	rs1951634	717	0.28	0.01	-0.06	0.08	0.837687
<i>BHLHE40</i>	rs11130215	716	0.19	0.01	-0.07	0.09	0.841467
<i>LPIN2</i>	rs4797092	717	0.08	-0.01	-0.13	0.11	0.842964
<i>LPL</i>	rs283	715	0.20	-0.01	-0.09	0.07	0.867402
<i>FABP1</i>	rs1441644	715	0.29	0.01	-0.06	0.08	0.870807
<i>PPARD</i>	rs2038068	714	0.24	-0.01	-0.08	0.07	0.876185

<i>ADRB3</i>	rs2071493	717	0.06	0.01	-0.12	0.14	0.880227
<i>PPARD</i>	rs2076169	717	0.10	-0.01	-0.12	0.10	0.893305
<i>LPL</i>	rs2197089	717	0.44	0.00	-0.06	0.07	0.895056
<i>LPIN1</i>	rs2577264	715	0.40	0.00	-0.07	0.06	0.910707
<i>LPIN2</i>	rs661767	716	0.30	0.00	-0.06	0.07	0.915955
<i>LPIN2</i>	rs9635812	717	0.28	0.00	-0.07	0.07	0.917486
<i>FABP1</i>	rs894194	717	0.24	0.00	-0.07	0.08	0.920710
<i>CTSS</i>	rs1136774	717	0.49	0.00	-0.07	0.06	0.922274
<i>PPARGCIA</i>	rs7682765	717	0.06	-0.01	-0.14	0.12	0.923039
<i>FABP1</i>	rs2919871	715	0.27	0.00	-0.07	0.07	0.924036
<i>PPARGCIA</i>	rs2970870	717	0.42	0.00	-0.07	0.06	0.926078
<i>LPL</i>	rs285	717	0.49	0.00	-0.07	0.06	0.926473
<i>PPARGCIA</i>	rs2305681	716	0.05	-0.01	-0.17	0.15	0.931161
<i>PCK2</i>	rs2071586	702	0.24	0.00	-0.08	0.07	0.939409
<i>LPIN1</i>	rs10520097	717	0.16	0.00	-0.08	0.09	0.940381
<i>LPIN2</i>	rs3819090	717	0.29	0.00	-0.07	0.07	0.940915
<i>ADRB3</i>	rs4998	715	0.06	0.00	-0.12	0.13	0.942706
<i>LPIN1</i>	rs4669778	717	0.46	0.00	-0.06	0.06	0.952063
<i>ADIPOQ</i>	rs3821799	717	0.47	0.00	-0.06	0.06	0.952534
<i>LPL</i>	rs264	715	0.16	0.00	-0.09	0.08	0.957054
<i>PPARGCIA</i>	rs6850464	717	0.14	0.00	-0.10	0.09	0.959354
<i>PPARG</i>	rs1801282	717	0.13	0.00	-0.09	0.10	0.961849
<i>ATF6</i>	rs12079579	717	0.07	0.00	-0.13	0.13	0.963069
<i>ATF6</i>	rs1394070	717	0.14	0.00	-0.09	0.09	0.967011
<i>MTTP</i>	rs2306985	717	0.37	0.00	-0.07	0.07	0.969348
<i>LPIN2</i>	rs10438875	717	0.23	0.00	-0.08	0.08	0.970296
<i>LPIN3</i>	rs4812495	703	0.14	0.00	-0.09	0.09	0.970663
<i>LEP</i>	rs11763517	717	0.50	0.00	-0.07	0.07	0.970922
<i>PPARGCIA</i>	rs2970869	717	0.22	0.00	-0.08	0.08	0.974282
<i>PPARD</i>	rs6902123	717	0.09	0.00	-0.11	0.12	0.978617
<i>ADIPOQ</i>	rs822396	717	0.17	0.00	-0.08	0.08	0.985250
<i>ADRB3</i>	rs4997	716	0.06	0.00	-0.13	0.13	0.988315
<i>PPARD</i>	rs7744392	716	0.05	0.00	-0.14	0.14	0.991193
<i>MMP9</i>	rs2250889	716	0.05	0.00	-0.14	0.14	0.992309
<i>ADIPOQ</i>	rs3774261	717	0.41	0.00	-0.06	0.06	0.992890
<i>ADIPOQ</i>	rs2241766	717	0.13	0.00	-0.10	0.10	0.999244

Supplementary Table 3C. SNP main effect on HDL-cholesterol after $\geq 8\%$ weight loss

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>PPARGC1A</i>	rs9996943	723	0.42	-0.03	-0.05	-0.01	0.013458
<i>FNTA</i>	rs10958736	723	0.11	0.04	0.01	0.07	0.015259
<i>PPARGC1A</i>	rs7437482	723	0.35	0.03	0.00	0.05	0.017746
<i>LPIN3</i>	rs16985665	723	0.20	0.03	0.00	0.06	0.021898
<i>LPL</i>	rs316	723	0.13	0.04	0.00	0.07	0.026028
<i>ADIPOQ</i>	rs182052	723	0.36	-0.02	-0.05	0.00	0.029211
<i>MLXIPL</i>	rs7798357	722	0.26	0.03	0.00	0.05	0.033880
<i>PPARGC1A</i>	rs7665116	717	0.13	0.04	0.00	0.07	0.034971
<i>PPARGC1A</i>	rs8192678	723	0.35	-0.02	-0.05	0.00	0.042820
<i>LPIN3</i>	rs6029646	721	0.26	0.02	0.00	0.05	0.046213
<i>PPARGC1A</i>	rs17637318	723	0.28	0.02	0.00	0.05	0.048899
<i>FABP4</i>	rs10099756	723	0.30	-0.02	-0.05	0.00	0.049137
<i>PPARGC1A</i>	rs11734408	723	0.28	0.02	0.00	0.05	0.053845
<i>LPIN1</i>	rs2577256	720	0.48	0.02	0.00	0.04	0.056278
<i>PPARGC1A</i>	rs12374408	723	0.29	-0.02	-0.05	0.00	0.060725
<i>LPIN1</i>	rs1050800	723	0.16	-0.03	-0.06	0.00	0.071054
<i>FNTA</i>	rs13282019	723	0.05	0.04	0.00	0.09	0.074585
<i>ADIPOQ</i>	rs17366568	723	0.14	-0.03	-0.06	0.00	0.080618
<i>LEP</i>	rs11760956	714	0.38	0.02	0.00	0.04	0.088186
<i>LPIN3</i>	rs6029636	723	0.26	0.02	0.00	0.04	0.088701
<i>MLXIPL</i>	rs1051921	720	0.16	0.02	0.00	0.05	0.098407
<i>ADRB2</i>	rs2400707	723	0.41	0.02	0.00	0.04	0.101003
<i>LPIN1</i>	rs11524	723	0.12	0.03	-0.01	0.06	0.105927
<i>PCK2</i>	rs1951634	723	0.28	0.02	0.00	0.04	0.107204
<i>ADRB2</i>	rs1042719	723	0.29	-0.02	-0.04	0.00	0.116543
<i>MTTP</i>	rs1032355	723	0.19	-0.02	-0.05	0.01	0.122215
<i>ATF6</i>	rs3767635	723	0.31	-0.02	-0.04	0.00	0.123302
<i>PPARG</i>	rs12629751	723	0.09	0.03	-0.01	0.07	0.125910
<i>LPL</i>	rs1534649	722	0.42	0.02	-0.01	0.04	0.136124
<i>PPARG</i>	rs10510419	721	0.16	0.02	-0.01	0.05	0.143353
<i>PPARG</i>	rs10865710	723	0.26	0.02	-0.01	0.04	0.143554
<i>FABP1</i>	rs1441644	721	0.29	-0.02	-0.04	0.01	0.145772
<i>PPARGC1A</i>	rs10002521	721	0.31	-0.02	-0.04	0.01	0.146161
<i>PPARG</i>	rs10510418	723	0.31	-0.02	-0.04	0.01	0.147165
<i>ATF6</i>	rs12079579	723	0.07	0.03	-0.01	0.08	0.150160
<i>LPIN2</i>	rs1164	723	0.19	-0.02	-0.05	0.01	0.152383
<i>LPL</i>	rs249	723	0.09	0.03	-0.01	0.06	0.153704
<i>PPARGC1A</i>	rs6850464	723	0.14	-0.02	-0.05	0.01	0.155331
<i>FABP1</i>	rs2970903	723	0.11	-0.02	-0.06	0.01	0.156709
<i>CEBPB</i>	rs4253449	723	0.05	-0.04	-0.09	0.01	0.162287
<i>LPIN3</i>	rs12625565	721	0.22	-0.02	-0.04	0.01	0.164257
<i>PPARGC1A</i>	rs4469064	723	0.09	-0.03	-0.07	0.01	0.170281
<i>PPARGC1A</i>	rs3774923	706	0.04	0.04	-0.02	0.10	0.174806
<i>LPL</i>	rs328	723	0.12	-0.02	-0.06	0.01	0.174875
<i>LPIN3</i>	rs4812495	709	0.14	0.02	-0.01	0.05	0.176721
<i>PPARD</i>	rs6902123	723	0.09	-0.03	-0.07	0.01	0.187375
<i>LPL</i>	rs253	723	0.46	0.01	-0.01	0.04	0.189920
<i>LEP</i>	rs2071045	723	0.24	-0.02	-0.04	0.01	0.191094
<i>BHLHE40</i>	rs908078	723	0.17	-0.02	-0.05	0.01	0.194871

<i>LPIN1</i>	rs11695702	723	0.28	-0.02	-0.04	0.01	0.198736
<i>LPIN1</i>	rs10520097	723	0.16	0.02	-0.01	0.05	0.200650
<i>PPARG</i>	rs12497191	719	0.14	0.02	-0.01	0.05	0.208447
<i>ADIPOQ</i>	rs12495941	723	0.37	0.01	-0.01	0.04	0.211426
<i>LPIN3</i>	rs4810312	719	0.41	0.01	-0.01	0.04	0.227419
<i>LPIN3</i>	rs6065338	722	0.18	-0.02	-0.05	0.01	0.230144
<i>MTTP</i>	rs1057613	723	0.49	-0.01	-0.04	0.01	0.232954
<i>ATF6</i>	rs12086247	722	0.13	0.02	-0.01	0.05	0.236181
<i>PPARGC1A</i>	rs1388332	723	0.08	0.02	-0.02	0.06	0.242157
<i>ADIPOQ</i>	rs7649121	722	0.18	-0.02	-0.04	0.01	0.253851
<i>PPARGC1A</i>	rs7682765	723	0.06	0.03	-0.02	0.07	0.259053
<i>LPIN2</i>	rs642926	721	0.34	-0.01	-0.04	0.01	0.261948
<i>CEBPB</i>	rs2904254	723	0.17	0.02	-0.01	0.05	0.263004
<i>PPARG</i>	rs7650895	723	0.19	0.02	-0.01	0.04	0.263327
<i>LPIN1</i>	rs4669778	723	0.46	0.01	-0.01	0.03	0.266937
<i>MMP9</i>	rs17576	721	0.36	-0.01	-0.04	0.01	0.267290
<i>PPARGC1A</i>	rs13117172	723	0.19	-0.02	-0.04	0.01	0.269481
<i>PPARGC1A</i>	rs2970847	723	0.17	0.02	-0.01	0.04	0.270808
<i>LEP</i>	rs11763517	723	0.50	0.01	-0.01	0.04	0.273806
<i>MTTP</i>	rs2035816	723	0.10	-0.02	-0.06	0.02	0.276115
<i>PPARGC1A</i>	rs2970870	723	0.42	-0.01	-0.03	0.01	0.295565
<i>MLXIPL</i>	rs6967028	723	0.10	0.02	-0.02	0.05	0.299226
<i>LPIN2</i>	rs7233117	723	0.30	-0.01	-0.04	0.01	0.299354
<i>ADRB2</i>	rs1042713	723	0.39	-0.01	-0.03	0.01	0.302145
<i>NR1I2</i>	rs11926554	722	0.21	-0.01	-0.04	0.01	0.302623
<i>PPARG</i>	rs17793693	723	0.10	0.02	-0.02	0.05	0.303794
<i>FABP4</i>	rs10109480	723	0.10	-0.02	-0.05	0.02	0.306806
<i>ATF6</i>	rs1135983	723	0.09	0.02	-0.02	0.06	0.314591
<i>ATF6</i>	rs6695284	723	0.09	0.02	-0.02	0.06	0.314591
<i>MMP9</i>	rs3787268	723	0.21	-0.01	-0.04	0.01	0.318860
<i>LEP</i>	rs2278815	723	0.46	0.01	-0.01	0.03	0.319225
<i>ADIPOQ</i>	rs3774261	723	0.41	0.01	-0.01	0.03	0.319986
<i>ATF6</i>	rs12026254	718	0.11	0.02	-0.02	0.06	0.321686
<i>ATF6</i>	rs12044770	721	0.09	0.02	-0.02	0.06	0.323162
<i>ATF6</i>	rs7554023	723	0.19	-0.01	-0.04	0.01	0.325231
<i>PPARGC1A</i>	rs4361373	723	0.15	-0.01	-0.04	0.01	0.326928
<i>PPARD</i>	rs6457816	722	0.09	-0.02	-0.06	0.02	0.335503
<i>LEP</i>	rs7788818	723	0.06	-0.02	-0.07	0.02	0.339402
<i>PPARG</i>	rs2938395	723	0.36	-0.01	-0.03	0.01	0.340675
<i>ADIPOQ</i>	rs1501299	723	0.28	0.01	-0.01	0.04	0.341502
<i>BHLHE40</i>	rs11130215	722	0.19	-0.01	-0.04	0.01	0.344430
<i>ATF6</i>	rs1136046	723	0.15	0.01	-0.02	0.05	0.355469
<i>LPL</i>	rs264	721	0.16	0.01	-0.02	0.04	0.368842
<i>MTTP</i>	rs2306985	723	0.37	-0.01	-0.03	0.01	0.375629
<i>ATF6</i>	rs4657110	723	0.11	0.02	-0.02	0.05	0.379379
<i>ATF6</i>	rs6670606	723	0.11	0.02	-0.02	0.05	0.379379
<i>ATF6</i>	rs1394070	723	0.14	-0.01	-0.04	0.02	0.392299
<i>ATF6</i>	rs3795649	723	0.38	-0.01	-0.03	0.01	0.402031
<i>PPARGC1A</i>	rs7674429	723	0.17	-0.01	-0.04	0.02	0.405069
<i>LPL</i>	rs3779788	723	0.16	0.01	-0.02	0.04	0.406709
<i>MMP9</i>	rs2250889	722	0.05	0.02	-0.03	0.07	0.408741
<i>PPARG</i>	rs4135275	723	0.19	-0.01	-0.04	0.02	0.411751

<i>ATF6</i>	rs12032568	719	0.11	0.02	-0.02	0.05	0.413001
<i>PPARGC1A</i>	rs2279525	691	0.29	-0.01	-0.04	0.01	0.416380
<i>LPL</i>	rs285	723	0.49	0.01	-0.01	0.03	0.417950
<i>PPARG</i>	rs2972164	723	0.48	-0.01	-0.03	0.01	0.419580
<i>LPL</i>	rs13702	722	0.33	-0.01	-0.03	0.01	0.422613
<i>ATF6</i>	rs4657100	723	0.11	0.01	-0.02	0.05	0.424157
<i>PPARD</i>	rs2076169	723	0.10	0.01	-0.02	0.05	0.436997
<i>FABP1</i>	rs2970902	723	0.37	-0.01	-0.03	0.01	0.447049
<i>ATF6</i>	rs2271012	710	0.09	0.01	-0.02	0.05	0.455206
<i>LPIN1</i>	rs893349	723	0.43	-0.01	-0.03	0.01	0.458662
<i>CAV1</i>	rs1049337	723	0.27	-0.01	-0.03	0.02	0.470575
<i>LPIN2</i>	rs9635812	723	0.28	0.01	-0.01	0.03	0.475754
<i>CTSS</i>	rs11576175	723	0.11	-0.01	-0.05	0.02	0.476526
<i>ATF6</i>	rs10918092	717	0.36	-0.01	-0.03	0.01	0.480470
<i>MTTP</i>	rs17029213	722	0.03	-0.02	-0.08	0.04	0.482738
<i>MTTP</i>	rs982424	723	0.06	0.02	-0.03	0.06	0.488374
<i>LPIN1</i>	rs2577264	721	0.40	-0.01	-0.03	0.01	0.492653
<i>CAV1</i>	rs3807995	722	0.07	-0.01	-0.06	0.03	0.493609
<i>LPL</i>	rs270	723	0.14	0.01	-0.02	0.04	0.498645
<i>LPIN1</i>	rs2278513	723	0.45	-0.01	-0.03	0.01	0.498990
<i>MTTP</i>	rs3816873	723	0.28	-0.01	-0.03	0.02	0.500538
<i>LPIN2</i>	rs3819090	723	0.29	0.01	-0.02	0.03	0.504294
<i>CTSS</i>	rs1136774	723	0.49	-0.01	-0.03	0.01	0.504363
<i>LPIN2</i>	rs1985	723	0.31	0.01	-0.02	0.03	0.519348
<i>ADIPOQ</i>	rs16861194	723	0.08	0.01	-0.03	0.05	0.519840
<i>PPARD</i>	rs7744392	722	0.05	-0.02	-0.06	0.03	0.525665
<i>PPARGC1A</i>	rs2970855	723	0.33	0.01	-0.01	0.03	0.527315
<i>PPARG</i>	rs2120825	723	0.11	0.01	-0.02	0.04	0.527888
<i>LPIN2</i>	rs3745013	723	0.35	0.01	-0.01	0.03	0.532589
<i>LPIN2</i>	rs1059281	722	0.29	0.01	-0.02	0.03	0.534705
<i>LPIN2</i>	rs4570954	723	0.20	0.01	-0.02	0.04	0.535506
<i>PPARGC1A</i>	rs2970869	723	0.22	-0.01	-0.03	0.02	0.536107
<i>PPARG</i>	rs3856806	723	0.12	0.01	-0.02	0.04	0.537218
<i>PCK2</i>	rs2759407	723	0.07	-0.01	-0.05	0.03	0.538205
<i>FABP4</i>	rs16909192	723	0.19	-0.01	-0.04	0.02	0.538298
<i>PPARGC1A</i>	rs3736265	723	0.07	0.01	-0.03	0.06	0.542116
<i>PPARG</i>	rs4135268	723	0.07	0.01	-0.03	0.06	0.542467
<i>FABP1</i>	rs894194	723	0.24	-0.01	-0.03	0.02	0.543424
<i>NR1I2</i>	rs1403526	723	0.29	0.01	-0.02	0.03	0.547347
<i>PPARGC1A</i>	rs4235308	722	0.41	0.01	-0.02	0.03	0.552658
<i>LPIN1</i>	rs4315495	722	0.42	0.01	-0.01	0.03	0.555606
<i>ADIPOQ</i>	rs2241766	723	0.13	0.01	-0.02	0.04	0.556376
<i>LPL</i>	rs10099160	722	0.20	0.01	-0.02	0.03	0.558587
<i>LPIN1</i>	rs13013930	723	0.25	-0.01	-0.03	0.02	0.560617
<i>LPIN2</i>	rs10853287	722	0.12	0.01	-0.02	0.04	0.561081
<i>BHLHE40</i>	rs1588794	723	0.10	-0.01	-0.05	0.03	0.563573
<i>MTTP</i>	rs3828542	723	0.17	0.01	-0.02	0.04	0.575844
<i>PPARD</i>	rs4713854	723	0.07	0.01	-0.03	0.06	0.578372
<i>LPIN2</i>	rs11661932	723	0.10	-0.01	-0.05	0.03	0.583018
<i>MMP9</i>	rs3918253	711	0.44	-0.01	-0.03	0.02	0.587870
<i>LPIN1</i>	rs2577261	723	0.10	-0.01	-0.05	0.03	0.588551
<i>NR1I2</i>	rs16830505	723	0.12	-0.01	-0.04	0.02	0.590845

<i>LPIN3</i>	rs7263195	723	0.05	-0.01	-0.06	0.04	0.597227
<i>ATF6</i>	rs2134697	722	0.27	0.01	-0.02	0.03	0.612947
<i>PPARG</i>	rs709157	723	0.29	-0.01	-0.03	0.02	0.628365
<i>LPIN2</i>	rs661767	722	0.30	-0.01	-0.03	0.02	0.634596
<i>LPIN3</i>	rs6072343	722	0.14	-0.01	-0.04	0.02	0.641644
<i>NR1I2</i>	rs3814055	723	0.38	-0.01	-0.03	0.02	0.642705
<i>LPIN1</i>	rs893346	721	0.06	-0.01	-0.06	0.04	0.661624
<i>PPARGC1A</i>	rs2946385	723	0.42	0.00	-0.03	0.02	0.664115
<i>BHLHE40</i>	rs1467159	723	0.49	0.00	-0.02	0.03	0.664355
<i>ATF6</i>	rs2499854	723	0.33	0.00	-0.02	0.03	0.673851
<i>PPARG</i>	rs4135247	723	0.42	0.00	-0.02	0.03	0.679062
<i>CTSS</i>	rs10888390	722	0.36	0.00	-0.03	0.02	0.679394
<i>ADIPOQ</i>	rs822396	723	0.17	-0.01	-0.03	0.02	0.679840
<i>LPIN2</i>	rs6506041	723	0.32	0.00	-0.02	0.03	0.682894
<i>PPARGC1A</i>	rs10213440	717	0.17	0.01	-0.02	0.03	0.693855
<i>LPIN2</i>	rs607549	722	0.27	0.00	-0.03	0.02	0.713482
<i>BHLHE40</i>	rs1110261	720	0.21	-0.01	-0.03	0.02	0.714005
<i>LPIN1</i>	rs2358126	723	0.46	0.00	-0.02	0.03	0.718735
<i>ATF6</i>	rs4657101	721	0.27	0.00	-0.03	0.02	0.723548
<i>BHLHE40</i>	rs11920786	722	0.15	-0.01	-0.04	0.03	0.728252
<i>PPARG</i>	rs13099634	721	0.19	0.00	-0.02	0.03	0.737203
<i>ATF6</i>	rs2499851	722	0.31	0.00	-0.02	0.03	0.745368
<i>PPARGC1A</i>	rs2305681	722	0.05	-0.01	-0.06	0.04	0.748791
<i>PPARGC1A</i>	rs7657071	723	0.30	0.00	-0.03	0.02	0.764162
<i>ADRB3</i>	rs4994	723	0.07	0.01	-0.04	0.05	0.764800
<i>FABP1</i>	rs2919871	721	0.27	0.00	-0.03	0.02	0.770294
<i>CAV1</i>	rs926198	721	0.37	0.00	-0.03	0.02	0.770695
<i>CAV1</i>	rs8713	723	0.18	0.00	-0.02	0.03	0.772538
<i>LEPR</i>	rs1887285	723	0.08	0.01	-0.03	0.05	0.774453
<i>PPARGC1A</i>	rs2970848	723	0.33	0.00	-0.02	0.03	0.779046
<i>CAV1</i>	rs3779512	723	0.44	0.00	-0.03	0.02	0.785655
<i>PCK2</i>	rs11629199	723	0.10	0.00	-0.03	0.04	0.790838
<i>PPARD</i>	rs2267668	723	0.16	0.00	-0.03	0.03	0.798058
<i>PPARG</i>	rs1797912	723	0.35	0.00	-0.03	0.02	0.799654
<i>PCK2</i>	rs9783666	721	0.06	-0.01	-0.05	0.04	0.801737
<i>FABP1</i>	rs2241883	723	0.33	0.00	-0.03	0.02	0.807241
<i>CAV1</i>	rs2052106	721	0.34	0.00	-0.02	0.03	0.812829
<i>CTSS</i>	rs7511673	723	0.39	0.00	-0.02	0.02	0.814569
<i>CAV1</i>	rs9920	723	0.10	0.00	-0.04	0.03	0.818474
<i>PPARGC1A</i>	rs2970853	723	0.23	0.00	-0.02	0.03	0.831631
<i>PPARD</i>	rs2038068	720	0.24	0.00	-0.03	0.02	0.834992
<i>LPIN2</i>	rs625527	723	0.43	0.00	-0.02	0.02	0.840369
<i>NR1I2</i>	rs1054190	723	0.12	0.00	-0.04	0.03	0.843522
<i>ADIPOQ</i>	rs2241767	723	0.13	0.00	-0.03	0.04	0.848489
<i>CAV1</i>	rs3815412	722	0.25	0.00	-0.03	0.02	0.851791
<i>PPARG</i>	rs1801282	723	0.13	0.00	-0.04	0.03	0.852640
<i>MTTP</i>	rs881980	723	0.14	0.00	-0.03	0.03	0.858148
<i>ADRB3</i>	rs4998	721	0.06	0.00	-0.04	0.05	0.865778
<i>LPIN1</i>	rs6726960	723	0.23	0.00	-0.03	0.02	0.866287
<i>ATF6</i>	rs1417580	723	0.45	0.00	-0.02	0.02	0.871384
<i>LPL</i>	rs283	721	0.20	0.00	-0.02	0.03	0.873312
<i>CAV1</i>	rs4730751	723	0.28	0.00	-0.03	0.02	0.873767

<i>BHLHE40</i>	rs2137947	723	0.21	0.00	-0.02	0.03	0.874675
<i>ATF6</i>	rs12130299	723	0.25	0.00	-0.03	0.02	0.875625
<i>ATF6</i>	rs1058405	723	0.26	0.00	-0.03	0.02	0.884371
<i>BHLHE40</i>	rs11918262	723	0.18	0.00	-0.03	0.03	0.891840
<i>LPL</i>	rs17410577	723	0.17	0.00	-0.03	0.03	0.902970
<i>ADIPOQ</i>	rs822387	723	0.07	0.00	-0.04	0.04	0.906976
<i>LPIN2</i>	rs4797092	723	0.08	0.00	-0.04	0.04	0.908422
<i>LPL</i>	rs248	723	0.07	0.00	-0.04	0.04	0.909039
<i>LPIN2</i>	rs10438875	723	0.23	0.00	-0.03	0.02	0.909165
<i>CEBPB</i>	rs6020348	723	0.42	0.00	-0.02	0.02	0.912531
<i>PPARGC1A</i>	rs3774921	723	0.46	0.00	-0.02	0.02	0.916115
<i>ATF6</i>	rs10737517	722	0.28	0.00	-0.02	0.03	0.921142
<i>LPIN2</i>	rs11665524	723	0.16	0.00	-0.03	0.03	0.923039
<i>NR1I2</i>	rs3732361	723	0.38	0.00	-0.02	0.02	0.924454
<i>ATF6</i>	rs4417044	723	0.25	0.00	-0.03	0.02	0.926989
<i>PPARD</i>	rs9658119	722	0.13	0.00	-0.03	0.04	0.927161
<i>NR1I2</i>	rs1403527	722	0.18	0.00	-0.03	0.03	0.937493
<i>ADRB3</i>	rs2071493	723	0.06	0.00	-0.04	0.04	0.938896
<i>ADRB3</i>	rs4997	722	0.06	0.00	-0.04	0.04	0.940376
<i>NR1I2</i>	rs2461823	723	0.35	0.00	-0.02	0.02	0.941926
<i>LPIN1</i>	rs3795974	722	0.40	0.00	-0.02	0.02	0.943899
<i>PCK2</i>	rs2071586	708	0.24	0.00	-0.03	0.03	0.950065
<i>ADIPOQ</i>	rs3821799	723	0.47	0.00	-0.02	0.02	0.954537
<i>LPL</i>	rs2197089	723	0.44	0.00	-0.02	0.02	0.961490
<i>PPARGC1A</i>	rs4697426	723	0.23	0.00	-0.03	0.03	0.964176
<i>CAVI</i>	rs959173	723	0.16	0.00	-0.03	0.03	0.968819
<i>NR1I2</i>	rs3732360	722	0.26	0.00	-0.03	0.02	0.970007
<i>PPARGC1A</i>	rs12500214	723	0.22	0.00	-0.03	0.03	0.972147
<i>BHLHE40</i>	rs11925620	723	0.04	0.00	-0.05	0.05	0.974602
<i>LPIN2</i>	rs3934427	709	0.11	0.00	-0.03	0.03	0.981612
<i>FABP1</i>	rs2919867	723	0.20	0.00	-0.03	0.03	0.989854
<i>PPARGC1A</i>	rs2932976	723	0.26	0.00	-0.03	0.02	0.995938
<i>ATF6</i>	rs9482	723	0.30	0.00	-0.02	0.02	0.997678
<i>ATF6</i>	rs10918215	723	0.30	0.00	-0.02	0.02	0.998157
<i>PPARD</i>	rs11751895	723	0.03	0.00	-0.07	0.07	0.999628

Supplementary Table 3D. SNP main effect on triglycerides after $\geq 8\%$ weight loss

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LPIN1</i>	rs4315495	708	0.42	-0.08	-0.13	-0.02	0.004190
<i>LEP</i>	rs11763517	709	0.50	-0.08	-0.14	-0.02	0.005707
<i>LPIN2</i>	rs10853287	708	0.12	-0.11	-0.19	-0.03	0.010188
<i>LPIN1</i>	rs10520097	709	0.16	-0.10	-0.17	-0.02	0.010407
<i>PPARG</i>	rs2938395	709	0.36	0.07	0.01	0.13	0.016208
<i>ATF6</i>	rs2271012	696	0.09	0.12	0.02	0.22	0.020098
<i>ATF6</i>	rs1135983	709	0.09	0.11	0.02	0.21	0.021838
<i>ATF6</i>	rs6695284	709	0.09	0.11	0.02	0.21	0.021838
<i>ATF6</i>	rs12044770	707	0.09	0.11	0.02	0.21	0.022167
<i>PPARG</i>	rs709157	709	0.29	0.07	0.01	0.13	0.026180
<i>PPARG</i>	rs10510418	709	0.31	0.07	0.01	0.13	0.027061
<i>PPARD</i>	rs6902123	709	0.09	0.11	0.01	0.21	0.032094
<i>LPIN1</i>	rs4669778	709	0.46	-0.06	-0.11	0.00	0.036471
<i>PPARGCIA</i>	rs12500214	709	0.22	0.07	0.00	0.13	0.046795
<i>LPIN1</i>	rs2278513	709	0.45	0.05	0.00	0.11	0.050417
<i>MTTP</i>	rs1057613	709	0.49	-0.06	-0.11	0.00	0.054934
<i>FABP1</i>	rs1441644	707	0.29	0.06	0.00	0.12	0.055301
<i>PPARGCIA</i>	rs4469064	709	0.09	0.09	0.00	0.19	0.057860
<i>PPARD</i>	rs2076169	709	0.10	-0.09	-0.19	0.00	0.059787
<i>PPARGCIA</i>	rs2946385	709	0.42	0.05	0.00	0.11	0.059851
<i>PPARGCIA</i>	rs7665116	703	0.13	-0.08	-0.17	0.00	0.061037
<i>PPARG</i>	rs2120825	709	0.11	-0.08	-0.16	0.01	0.067545
<i>LPIN2</i>	rs11661932	709	0.10	0.09	-0.01	0.18	0.068558
<i>PPARD</i>	rs4713854	709	0.07	-0.10	-0.21	0.01	0.069502
<i>LEP</i>	rs11760956	700	0.38	-0.05	-0.11	0.00	0.070291
<i>PPARG</i>	rs1797912	709	0.35	0.05	0.00	0.11	0.072029
<i>PPARG</i>	rs2972164	709	0.48	0.05	-0.01	0.11	0.075297
<i>LPIN1</i>	rs6726960	709	0.23	0.06	-0.01	0.12	0.077797
<i>ATF6</i>	rs7554023	709	0.19	-0.06	-0.13	0.01	0.078575
<i>FABP1</i>	rs2919871	707	0.27	-0.05	-0.12	0.01	0.078630
<i>ADIPOQ</i>	rs7649121	709	0.18	0.06	-0.01	0.13	0.080377
<i>MTTP</i>	rs2306985	709	0.37	-0.05	-0.11	0.01	0.082013
<i>MTTP</i>	rs881980	709	0.14	-0.07	-0.15	0.01	0.083028
<i>LPIN3</i>	rs12625565	707	0.22	0.06	-0.01	0.12	0.085948
<i>ATF6</i>	rs1136046	709	0.15	0.07	-0.01	0.15	0.088216
<i>FNTA</i>	rs13282019	709	0.05	0.10	-0.02	0.21	0.091249
<i>MTTP</i>	rs3828542	709	0.17	-0.06	-0.14	0.01	0.091332
<i>LPL</i>	rs1534649	708	0.42	-0.05	-0.10	0.01	0.100263
<i>ATF6</i>	rs12032568	705	0.11	0.08	-0.02	0.17	0.102190
<i>PCK2</i>	rs11629199	709	0.10	-0.08	-0.17	0.02	0.104989
<i>FABP1</i>	rs894194	709	0.24	-0.05	-0.11	0.01	0.106172
<i>CAV1</i>	rs3807995	708	0.07	0.09	-0.02	0.20	0.106929
<i>LPIN1</i>	rs2358126	709	0.46	-0.04	-0.10	0.01	0.110801
<i>LPIN2</i>	rs3819090	709	0.29	-0.05	-0.11	0.01	0.112705
<i>ATF6</i>	rs4657110	709	0.11	0.07	-0.02	0.16	0.124656
<i>ATF6</i>	rs6670606	709	0.11	0.07	-0.02	0.16	0.124656
<i>PPARGCIA</i>	rs2970870	709	0.42	0.04	-0.01	0.10	0.131677
<i>LPIN2</i>	rs9635812	709	0.28	-0.05	-0.11	0.01	0.131772
<i>ATF6</i>	rs12026254	704	0.11	0.07	-0.02	0.16	0.140028

<i>CAVI</i>	rs8713	709	0.18	-0.05	-0.13	0.02	0.141060
<i>ADRB2</i>	rs1042713	709	0.39	-0.04	-0.10	0.01	0.143801
<i>LPIN1</i>	rs1050800	709	0.16	0.06	-0.02	0.13	0.143829
<i>ATF6</i>	rs4657100	709	0.11	0.07	-0.02	0.16	0.146842
<i>LPIN3</i>	rs7263195	709	0.05	0.09	-0.03	0.21	0.147852
<i>CAVI</i>	rs9920	709	0.10	-0.07	-0.16	0.02	0.149157
<i>ADIPOQ</i>	rs12495941	709	0.37	-0.04	-0.10	0.02	0.152524
<i>PPARG</i>	rs1801282	709	0.13	-0.06	-0.14	0.02	0.157900
<i>PPARG</i>	rs10865710	709	0.26	-0.05	-0.11	0.02	0.162211
<i>LPIN1</i>	rs13013930	709	0.25	-0.04	-0.11	0.02	0.164984
<i>ADRB2</i>	rs1042719	709	0.29	0.04	-0.02	0.11	0.169360
<i>CAVI</i>	rs2052106	707	0.34	-0.04	-0.10	0.02	0.177440
<i>PPARGC1A</i>	rs4697426	709	0.23	0.05	-0.02	0.11	0.178117
<i>LPIN2</i>	rs7233117	709	0.30	0.04	-0.02	0.10	0.178680
<i>MTTP</i>	rs3816873	709	0.28	-0.04	-0.10	0.02	0.193748
<i>PPARG</i>	rs10510419	707	0.16	-0.05	-0.12	0.03	0.193975
<i>LPL</i>	rs3779788	709	0.16	-0.05	-0.12	0.02	0.195088
<i>LPIN1</i>	rs2577261	709	0.10	0.06	-0.03	0.15	0.196907
<i>ADIPOQ</i>	rs822387	709	0.07	0.07	-0.04	0.17	0.197629
<i>PPARGC1A</i>	rs2932976	709	0.26	0.04	-0.02	0.10	0.210042
<i>LPIN3</i>	rs6065338	708	0.18	0.05	-0.03	0.12	0.211486
<i>ATF6</i>	rs12079579	709	0.07	0.07	-0.04	0.18	0.221942
<i>FABP4</i>	rs16909192	709	0.19	-0.05	-0.12	0.03	0.227381
<i>PPARGC1A</i>	rs2970848	709	0.33	0.04	-0.02	0.09	0.230240
<i>PPARGC1A</i>	rs10002521	707	0.31	-0.04	-0.10	0.02	0.232937
<i>LPIN2</i>	rs625527	709	0.43	-0.03	-0.09	0.02	0.246298
<i>MLXIPL</i>	rs1051921	706	0.16	0.04	-0.03	0.11	0.249205
<i>LPL</i>	rs248	709	0.07	-0.06	-0.17	0.05	0.257306
<i>PCK2</i>	rs1951634	709	0.28	-0.03	-0.10	0.03	0.258822
<i>ADRB3</i>	rs4998	707	0.06	0.06	-0.05	0.17	0.262292
<i>ADRB3</i>	rs4997	708	0.06	0.06	-0.05	0.17	0.264443
<i>ADRB3</i>	rs4994	709	0.07	0.06	-0.05	0.17	0.270295
<i>PPARGC1A</i>	rs17637318	709	0.28	-0.03	-0.09	0.03	0.270364
<i>PPARGC1A</i>	rs4361373	709	0.15	-0.04	-0.12	0.03	0.271684
<i>PPARG</i>	rs7650895	709	0.19	-0.04	-0.11	0.03	0.276088
<i>MTTP</i>	rs2035816	709	0.10	-0.05	-0.14	0.04	0.276518
<i>MMP9</i>	rs3787268	709	0.21	-0.04	-0.10	0.03	0.276919
<i>PPARG</i>	rs3856806	709	0.12	-0.05	-0.13	0.04	0.278258
<i>PPARGC1A</i>	rs11734408	709	0.28	-0.03	-0.09	0.03	0.278823
<i>NR1I2</i>	rs1403526	709	0.29	0.03	-0.03	0.09	0.281908
<i>LPIN2</i>	rs3934427	695	0.11	-0.05	-0.13	0.04	0.282203
<i>LPIN2</i>	rs607549	708	0.27	0.03	-0.03	0.09	0.290702
<i>ATF6</i>	rs10737517	708	0.28	0.03	-0.03	0.09	0.293012
<i>PPARGC1A</i>	rs4235308	708	0.41	0.03	-0.03	0.09	0.296758
<i>NR1I2</i>	rs3732360	708	0.26	-0.03	-0.10	0.03	0.298244
<i>PPARG</i>	rs4135275	709	0.19	-0.04	-0.11	0.03	0.304831
<i>PPARGC1A</i>	rs2279525	678	0.29	0.03	-0.03	0.10	0.305567
<i>LPIN3</i>	rs16985665	709	0.20	-0.03	-0.10	0.03	0.306094
<i>LPL</i>	rs253	709	0.46	-0.03	-0.08	0.03	0.311209
<i>LEP</i>	rs2278815	709	0.46	-0.03	-0.08	0.03	0.313309
<i>PPARD</i>	rs6457816	708	0.09	0.05	-0.05	0.15	0.316657
<i>LPL</i>	rs316	709	0.13	-0.04	-0.12	0.04	0.319688

<i>LPL</i>	rs264	707	0.16	-0.04	-0.11	0.04	0.319937
<i>PPARG</i>	rs12629751	709	0.09	-0.05	-0.15	0.05	0.320541
<i>CTSS</i>	rs7511673	709	0.39	0.03	-0.03	0.08	0.323738
<i>ATF6</i>	rs1417580	709	0.45	-0.03	-0.09	0.03	0.324171
<i>LPIN2</i>	rs4797092	709	0.08	-0.05	-0.15	0.05	0.328805
<i>MLXIPL</i>	rs6967028	709	0.10	-0.04	-0.13	0.05	0.330612
<i>PPARGC1A</i>	rs2305681	708	0.05	-0.07	-0.20	0.07	0.331116
<i>PPARD</i>	rs2267668	709	0.16	-0.04	-0.12	0.04	0.340932
<i>PCK2</i>	rs9783666	707	0.06	0.05	-0.06	0.17	0.341714
<i>ADRB3</i>	rs2071493	709	0.06	0.05	-0.06	0.16	0.343477
<i>PPARD</i>	rs7744392	708	0.05	0.06	-0.06	0.18	0.346953
<i>LPIN2</i>	rs1164	709	0.19	0.03	-0.04	0.10	0.348994
<i>FABP1</i>	rs2919867	709	0.20	-0.03	-0.10	0.04	0.350675
<i>PPARG</i>	rs13099634	707	0.19	-0.03	-0.10	0.04	0.354810
<i>BHLHE40</i>	rs1588794	709	0.10	-0.04	-0.14	0.05	0.356140
<i>PPARG</i>	rs4135247	709	0.42	-0.03	-0.08	0.03	0.359395
<i>ADIPOQ</i>	rs16861194	709	0.08	-0.05	-0.15	0.05	0.360353
<i>ATF6</i>	rs2499854	709	0.33	0.03	-0.03	0.09	0.361597
<i>BHLHE40</i>	rs11920786	708	0.15	-0.04	-0.12	0.04	0.364466
<i>LPL</i>	rs249	709	0.09	-0.04	-0.14	0.05	0.367613
<i>LPIN2</i>	rs6506041	709	0.32	-0.03	-0.09	0.03	0.373935
<i>PPARGC1A</i>	rs3774921	709	0.46	0.03	-0.03	0.08	0.383861
<i>LPIN1</i>	rs893349	709	0.43	0.02	-0.03	0.08	0.384884
<i>PCK2</i>	rs2071586	694	0.24	-0.03	-0.09	0.04	0.385280
<i>LPL</i>	rs328	709	0.12	0.04	-0.05	0.12	0.395951
<i>ATF6</i>	rs3767635	709	0.31	-0.03	-0.08	0.03	0.396568
<i>FABP1</i>	rs2970903	709	0.11	0.04	-0.05	0.12	0.399604
<i>PPARGC1A</i>	rs9996943	709	0.42	-0.02	-0.08	0.03	0.409410
<i>NR1I2</i>	rs2461823	709	0.35	0.02	-0.03	0.08	0.410948
<i>LPIN2</i>	rs11665524	709	0.16	0.03	-0.04	0.10	0.428366
<i>LPL</i>	rs285	709	0.49	-0.02	-0.08	0.03	0.430395
<i>ATF6</i>	rs2499851	708	0.31	-0.02	-0.08	0.04	0.437203
<i>ADRB2</i>	rs2400707	709	0.41	0.02	-0.03	0.08	0.439107
<i>PPARGC1A</i>	rs2970855	709	0.33	-0.02	-0.08	0.03	0.439372
<i>LPIN3</i>	rs6072343	708	0.14	0.03	-0.05	0.11	0.439752
<i>CTSS</i>	rs1136774	709	0.49	0.02	-0.03	0.08	0.448388
<i>ATF6</i>	rs12086247	708	0.13	0.03	-0.05	0.12	0.454160
<i>MMP9</i>	rs2250889	708	0.05	0.05	-0.08	0.17	0.454487
<i>ATF6</i>	rs1058405	709	0.26	-0.02	-0.08	0.04	0.454554
<i>BHLHE40</i>	rs11918262	709	0.18	0.03	-0.04	0.10	0.458214
<i>LPL</i>	rs10099160	708	0.20	-0.02	-0.09	0.04	0.480816
<i>PPARGC1A</i>	rs7657071	709	0.30	0.02	-0.04	0.08	0.487311
<i>BHLHE40</i>	rs2137947	709	0.21	0.02	-0.04	0.09	0.501694
<i>PPARGC1A</i>	rs6850464	709	0.14	0.03	-0.05	0.11	0.506185
<i>PPARGC1A</i>	rs7682765	709	0.06	0.04	-0.07	0.15	0.510321
<i>ATF6</i>	rs12130299	709	0.25	-0.02	-0.08	0.04	0.510818
<i>CAV1</i>	rs3779512	709	0.44	-0.02	-0.08	0.04	0.515887
<i>ADIPOQ</i>	rs182052	709	0.36	0.02	-0.04	0.07	0.518235
<i>ATF6</i>	rs4417044	709	0.25	0.02	-0.04	0.08	0.519393
<i>CEBPB</i>	rs2904254	709	0.17	-0.02	-0.10	0.05	0.519756
<i>PPARGC1A</i>	rs2970847	709	0.17	-0.02	-0.09	0.05	0.521015
<i>NR1I2</i>	rs3732361	709	0.38	-0.02	-0.07	0.04	0.522111

<i>PPARGC1A</i>	rs2970853	709	0.23	-0.02	-0.08	0.04	0.540345
<i>LPL</i>	rs2197089	709	0.44	0.02	-0.04	0.07	0.541153
<i>CEBPB</i>	rs4253449	709	0.05	0.04	-0.09	0.17	0.542870
<i>LPIN2</i>	rs10438875	709	0.23	0.02	-0.05	0.09	0.549895
<i>ATF6</i>	rs9482	709	0.30	0.02	-0.04	0.08	0.552215
<i>CAV1</i>	rs3807989	709	0.41	-0.02	-0.07	0.04	0.562302
<i>CAV1</i>	rs4730751	709	0.28	-0.02	-0.08	0.04	0.567303
<i>NR1I2</i>	rs1054190	709	0.12	0.02	-0.06	0.11	0.572467
<i>LPIN3</i>	rs6029646	707	0.26	-0.02	-0.08	0.04	0.573151
<i>LPIN3</i>	rs6029636	709	0.26	-0.02	-0.07	0.04	0.598834
<i>LEP</i>	rs7788818	709	0.06	0.03	-0.09	0.15	0.600293
<i>ATF6</i>	rs10918215	709	0.30	0.02	-0.04	0.08	0.601197
<i>TUB</i>	rs1881238	702	0.15	0.02	-0.05	0.09	0.602317
<i>LEPR</i>	rs12409877	709	0.42	0.01	-0.04	0.07	0.604855
<i>PYGL</i>	rs10138493	709	0.19	-0.02	-0.09	0.05	0.605688
<i>PYGL</i>	rs1538615	703	0.34	-0.01	-0.07	0.04	0.609327
<i>ATF6</i>	rs1394070	709	0.14	-0.02	-0.10	0.06	0.611317
<i>ATF6</i>	rs4657101	707	0.27	0.02	-0.05	0.08	0.620125
<i>LPL</i>	rs283	707	0.20	0.02	-0.05	0.09	0.621701
<i>MTTP</i>	rs1032355	709	0.19	-0.02	-0.09	0.05	0.623321
<i>LPL</i>	rs17410577	709	0.17	0.02	-0.05	0.09	0.627319
<i>NR1I2</i>	rs16830505	709	0.12	-0.02	-0.11	0.07	0.633423
<i>ATF6</i>	rs2134697	708	0.27	0.02	-0.05	0.08	0.634898
<i>FABP4</i>	rs10109480	709	0.10	0.02	-0.07	0.11	0.635659
<i>CAV1</i>	rs1049337	709	0.27	0.02	-0.05	0.08	0.637482
<i>MTTP</i>	rs982424	709	0.06	0.03	-0.09	0.15	0.642327
<i>ADIPOQ</i>	rs17366568	709	0.14	-0.02	-0.09	0.06	0.646743
<i>LPL</i>	rs13702	708	0.33	0.01	-0.05	0.07	0.653154
<i>ADIPOQ</i>	rs3821799	709	0.47	0.01	-0.04	0.07	0.653829
<i>LPIN1</i>	rs11524	709	0.12	-0.02	-0.10	0.06	0.655696
<i>MMP9</i>	rs17576	708	0.36	-0.01	-0.07	0.05	0.659537
<i>PPARD</i>	rs2038068	706	0.24	-0.01	-0.08	0.05	0.661261
<i>FNTA</i>	rs10958736	709	0.11	0.02	-0.06	0.10	0.663308
<i>MTTP</i>	rs17029213	708	0.03	0.03	-0.12	0.19	0.668130
<i>PPARGC1A</i>	rs7437482	709	0.35	-0.01	-0.07	0.04	0.670367
<i>CAV1</i>	rs3815412	708	0.25	-0.01	-0.08	0.05	0.681834
<i>LPIN1</i>	rs2577256	706	0.48	-0.01	-0.07	0.04	0.685839
<i>BHLHE40</i>	rs1110261	706	0.21	-0.01	-0.08	0.06	0.711032
<i>PPARGC1A</i>	rs3774923	693	0.04	-0.03	-0.18	0.12	0.715371
<i>LPIN2</i>	rs642926	707	0.34	0.01	-0.05	0.07	0.718686
<i>LPIN1</i>	rs2577264	707	0.40	0.01	-0.05	0.07	0.723510
<i>FABP1</i>	rs2970902	709	0.37	0.01	-0.05	0.07	0.727416
<i>PPARGC1A</i>	rs10213440	704	0.17	0.01	-0.06	0.08	0.731223
<i>LPIN2</i>	rs1985	709	0.31	-0.01	-0.07	0.05	0.738747
<i>LPIN1</i>	rs11695702	709	0.28	-0.01	-0.07	0.05	0.742706
<i>PPARG</i>	rs12497191	705	0.14	-0.01	-0.09	0.07	0.750142
<i>LPIN2</i>	rs3745013	709	0.35	-0.01	-0.06	0.05	0.758760
<i>LPIN3</i>	rs4812495	695	0.14	-0.01	-0.09	0.07	0.759554
<i>LPIN2</i>	rs4570954	709	0.20	0.01	-0.06	0.08	0.760522
<i>PPARGC1A</i>	rs8192678	709	0.35	0.01	-0.05	0.07	0.770376
<i>CTSS</i>	rs11576175	709	0.11	-0.01	-0.10	0.07	0.771988
<i>ADIPOQ</i>	rs2241767	709	0.13	0.01	-0.07	0.10	0.772178

<i>ATF6</i>	rs10918092	703	0.36	-0.01	-0.07	0.05	0.780375
<i>FABP4</i>	rs10099756	709	0.30	-0.01	-0.07	0.05	0.781000
<i>PPARGC1A</i>	rs1388332	709	0.08	-0.01	-0.11	0.09	0.781939
<i>PPARGC1A</i>	rs13117172	709	0.19	-0.01	-0.08	0.06	0.784583
<i>CAVI</i>	rs959173	709	0.16	-0.01	-0.08	0.06	0.786457
<i>LPIN2</i>	rs1059281	709	0.29	-0.01	-0.07	0.05	0.789046
<i>NR1I2</i>	rs1403527	708	0.18	-0.01	-0.08	0.06	0.790804
<i>LEP</i>	rs2071045	709	0.24	-0.01	-0.07	0.06	0.790869
<i>ADIPOQ</i>	rs822396	709	0.17	0.01	-0.06	0.08	0.798016
<i>PPARG</i>	rs4135268	709	0.07	-0.01	-0.12	0.09	0.812432
<i>PCK2</i>	rs2759407	709	0.07	0.01	-0.09	0.11	0.815246
<i>LPIN3</i>	rs4810312	705	0.41	0.01	-0.05	0.06	0.815535
<i>PPARGC1A</i>	rs12374408	709	0.29	0.01	-0.05	0.07	0.816713
<i>PPARG</i>	rs17793693	709	0.10	-0.01	-0.10	0.08	0.820310
<i>ADIPOQ</i>	rs3774261	709	0.41	0.01	-0.05	0.06	0.826570
<i>BHLHE40</i>	rs11130215	708	0.19	-0.01	-0.08	0.06	0.827066
<i>PPARGC1A</i>	rs2970869	709	0.22	-0.01	-0.07	0.06	0.846195
<i>LPIN1</i>	rs3795974	708	0.40	0.01	-0.05	0.06	0.849740
<i>ADIPOQ</i>	rs2241766	709	0.13	0.01	-0.08	0.09	0.852645
<i>PPARD</i>	rs11751895	709	0.03	0.02	-0.17	0.20	0.857303
<i>NR1I2</i>	rs3814055	709	0.38	-0.01	-0.06	0.05	0.860161
<i>CEBPB</i>	rs6020348	709	0.42	0.00	-0.05	0.06	0.862180
<i>ATF6</i>	rs3795649	709	0.38	0.00	-0.06	0.05	0.863301
<i>NR1I2</i>	rs11926554	708	0.21	0.01	-0.06	0.07	0.863638
<i>PPARGC1A</i>	rs7674429	709	0.17	0.00	-0.08	0.07	0.896227
<i>MLXIPL</i>	rs7798357	708	0.26	0.00	-0.06	0.06	0.911201
<i>BHLHE40</i>	rs908078	709	0.17	0.00	-0.07	0.08	0.912767
<i>BHLHE40</i>	rs11925620	709	0.04	-0.01	-0.13	0.11	0.919563
<i>LPIN2</i>	rs661767	708	0.30	0.00	-0.06	0.06	0.930978
<i>PPARGC1A</i>	rs3736265	709	0.07	0.00	-0.10	0.11	0.954368
<i>LPIN1</i>	rs893346	707	0.06	0.00	-0.11	0.12	0.962075
<i>LPL</i>	rs270	709	0.14	0.00	-0.07	0.08	0.968495
<i>BHLHE40</i>	rs1467159	709	0.49	0.00	-0.05	0.05	0.969243
<i>MMP9</i>	rs3918253	697	0.44	0.00	-0.06	0.06	0.978441
<i>PPARD</i>	rs9658119	708	0.13	0.00	-0.08	0.09	0.981403
<i>ADIPOQ</i>	rs1501299	709	0.28	0.00	-0.06	0.06	0.981554
<i>CAVI</i>	rs926198	708	0.37	0.00	-0.06	0.06	0.987292

Data are given as regression coefficient (B) with lower (L95%CI) and upper (U95%CI) 95% confidence intervals. P-values were derived using linear regression. The gene denotes the locus with the closest proximity to the single nucleotide polymorphism (SNP). N, number of observations; MAF, minor allele frequency.

Supplementary Table 4A. SNP main effect on total cholesterol after 6 months *ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>ATF6</i>	rs3767635	491	0.31	0.23	0.05	0.42	0.012148
<i>LPIN2</i>	rs11665524	491	0.16	0.26	0.05	0.46	0.014125
<i>LPIN2</i>	rs1059281	490	0.29	-0.22	-0.40	-0.04	0.018880
<i>LPIN2</i>	rs1985	491	0.31	-0.21	-0.39	-0.03	0.020705
<i>PCK2</i>	rs2759407	491	0.07	-0.33	-0.60	-0.05	0.020788
<i>PPARGC1A</i>	rs2946385	491	0.42	-0.19	-0.36	-0.03	0.021374
<i>MTTP</i>	rs982424	491	0.06	-0.53	-0.98	-0.07	0.024142
<i>LPIN2</i>	rs9635812	491	0.28	0.21	0.02	0.39	0.028076
<i>LPIN2</i>	rs3819090	491	0.29	0.20	0.02	0.39	0.028385
<i>PPARGC1A</i>	rs4361373	491	0.15	0.25	0.02	0.49	0.031143
<i>LPL</i>	rs10099160	490	0.20	0.23	0.02	0.44	0.031234
<i>PPARGC1A</i>	rs2970847	491	0.17	0.26	0.02	0.51	0.035233
<i>LPIN2</i>	rs4570954	491	0.20	0.24	0.02	0.46	0.035286
<i>ATF6</i>	rs10918092	486	0.36	0.19	0.01	0.37	0.039435
<i>LPIN2</i>	rs11661932	491	0.10	0.29	0.01	0.57	0.044926
<i>PPARG</i>	rs4135268	491	0.07	-0.34	-0.67	0.00	0.047327
<i>LPIN3</i>	rs6029636	491	0.26	0.21	0.00	0.41	0.049021
<i>LPIN1</i>	rs893349	491	0.43	-0.18	-0.36	0.00	0.049606
<i>LPIN1</i>	rs10520097	491	0.16	0.24	0.00	0.48	0.050914
<i>ATF6</i>	rs12130299	491	0.25	-0.20	-0.41	0.00	0.051591
<i>PPARGC1A</i>	rs9996943	491	0.42	0.18	0.00	0.36	0.054159
<i>LPL</i>	rs285	491	0.49	0.17	0.00	0.34	0.054635
<i>BHLHE40</i>	rs1588794	491	0.10	0.27	-0.01	0.55	0.057882
<i>LPL</i>	rs2197089	491	0.44	-0.16	-0.33	0.01	0.066735
<i>PPARGC1A</i>	rs6850464	491	0.14	0.25	-0.02	0.52	0.068701
<i>LPIN2</i>	rs3745013	491	0.35	-0.15	-0.32	0.01	0.069343
<i>PPARGC1A</i>	rs4235308	490	0.41	-0.17	-0.35	0.02	0.073403
<i>ATF6</i>	rs12079579	491	0.07	-0.30	-0.63	0.03	0.078283
<i>ATF6</i>	rs1417580	491	0.45	-0.16	-0.34	0.02	0.088127
<i>PPARGC1A</i>	rs2970853	491	0.23	0.19	-0.03	0.42	0.092025
<i>LPIN1</i>	rs2577256	491	0.48	-0.15	-0.32	0.03	0.097639
<i>LPIN1</i>	rs4669778	491	0.46	0.15	-0.03	0.33	0.097722
<i>FABP1</i>	rs2970902	491	0.37	0.15	-0.03	0.32	0.099536
<i>ADRB2</i>	rs1042719	491	0.29	0.16	-0.03	0.35	0.106984
<i>LPIN1</i>	rs2278513	491	0.45	-0.14	-0.32	0.03	0.108144
<i>PCK2</i>	rs2071586	479	0.24	-0.15	-0.34	0.04	0.115354
<i>ATF6</i>	rs3795649	491	0.38	0.14	-0.03	0.32	0.115831
<i>LPIN2</i>	rs661767	491	0.30	0.14	-0.04	0.32	0.122405
<i>ATF6</i>	rs2499854	491	0.33	-0.14	-0.32	0.04	0.129626
<i>LPIN2</i>	rs625527	491	0.43	0.13	-0.04	0.30	0.130971
<i>LPIN3</i>	rs16985665	491	0.20	0.17	-0.05	0.40	0.134382
<i>PPARGC1A</i>	rs3774923	477	0.04	-0.35	-0.82	0.11	0.138239
<i>MTTP</i>	rs881980	491	0.14	0.18	-0.07	0.43	0.157295
<i>LEP</i>	rs7788818	491	0.06	0.26	-0.10	0.61	0.158630
<i>PCK2</i>	rs11629199	491	0.10	0.20	-0.08	0.48	0.159710
<i>MTTP</i>	rs1057613	491	0.49	0.12	-0.05	0.30	0.170808
<i>PPARG</i>	rs13099634	489	0.19	0.17	-0.07	0.41	0.175684
<i>LPIN3</i>	rs6072343	490	0.14	-0.16	-0.40	0.08	0.185024
<i>ADIPOQ</i>	rs1501299	491	0.28	0.13	-0.07	0.33	0.189421

<i>PPARG</i>	rs709157	491	0.29	-0.13	-0.32	0.06	0.189951
<i>LPIN2</i>	rs6506041	491	0.32	-0.13	-0.32	0.07	0.199252
<i>LPL</i>	rs316	491	0.13	0.16	-0.09	0.41	0.206244
<i>LPIN3</i>	rs6029646	489	0.26	0.13	-0.07	0.33	0.215527
<i>APP</i>	rs1876063	491	0.24	0.12	-0.08	0.32	0.221891
<i>MTTP</i>	rs17029213	491	0.03	0.27	-0.17	0.71	0.224788
<i>ADIPOQ</i>	rs822396	491	0.17	-0.13	-0.35	0.08	0.227264
<i>LPIN1</i>	rs2358126	491	0.46	0.11	-0.07	0.30	0.227282
<i>ATF6</i>	rs2134697	491	0.27	-0.12	-0.31	0.08	0.232448
<i>ATF6</i>	rs12086247	491	0.13	-0.16	-0.42	0.10	0.234068
<i>LPL</i>	rs328	491	0.12	-0.16	-0.44	0.11	0.238050
<i>PPARGCIA</i>	rs3774921	491	0.46	0.11	-0.07	0.28	0.242729
<i>LPIN1</i>	rs2577264	490	0.40	-0.11	-0.31	0.08	0.242966
<i>PPARGCIA</i>	rs7665116	486	0.13	-0.15	-0.41	0.10	0.243448
<i>PPARG</i>	rs4135247	491	0.42	0.10	-0.07	0.28	0.248261
<i>ADRB2</i>	rs2400707	491	0.41	-0.10	-0.28	0.07	0.253071
<i>ADIPOQ</i>	rs12495941	491	0.37	0.10	-0.07	0.26	0.253097
<i>LPL</i>	rs283	490	0.20	0.11	-0.08	0.31	0.261214
<i>LPIN2</i>	rs10438875	491	0.23	0.12	-0.09	0.33	0.261687
<i>LPIN3</i>	rs12625565	489	0.22	-0.12	-0.32	0.09	0.268531
<i>PPARG</i>	rs2972164	491	0.48	-0.10	-0.27	0.08	0.272833
<i>PPARG</i>	rs2120825	491	0.11	0.18	-0.14	0.50	0.276033
<i>PCK2</i>	rs9783666	489	0.06	-0.16	-0.45	0.13	0.276034
<i>CAVI</i>	rs959173	491	0.16	-0.13	-0.37	0.11	0.277725
<i>PPARGCIA</i>	rs4697426	491	0.23	-0.11	-0.32	0.09	0.280751
<i>BHLHE40</i>	rs11918262	491	0.18	-0.11	-0.32	0.09	0.281848
<i>PPARGCIA</i>	rs12500214	491	0.22	-0.11	-0.32	0.09	0.283178
<i>LPL</i>	rs253	491	0.46	0.09	-0.08	0.27	0.296567
<i>CAVI</i>	rs9920	491	0.10	0.15	-0.13	0.43	0.297860
<i>LPL</i>	rs270	491	0.14	0.13	-0.11	0.37	0.298710
<i>NR1I2</i>	rs1403527	491	0.18	0.13	-0.11	0.37	0.300572
<i>ATF6</i>	rs7554023	491	0.19	0.12	-0.11	0.35	0.306652
<i>PPARGCIA</i>	rs2970870	491	0.42	-0.08	-0.25	0.08	0.321770
<i>LPIN1</i>	rs4315495	491	0.42	0.09	-0.09	0.26	0.322127
<i>PPARGCIA</i>	rs4469064	491	0.09	-0.15	-0.45	0.15	0.322638
<i>CEBPB</i>	rs6020348	491	0.42	-0.09	-0.26	0.09	0.322653
<i>ADIPOQ</i>	rs3774261	491	0.41	0.08	-0.08	0.25	0.326191
<i>MLXIPL</i>	rs1051921	488	0.16	-0.10	-0.31	0.11	0.331121
<i>PPARD</i>	rs9658119	490	0.13	-0.13	-0.38	0.13	0.336051
<i>LPIN1</i>	rs3795974	491	0.40	-0.09	-0.27	0.09	0.343135
<i>ATF6</i>	rs4657101	490	0.27	0.09	-0.10	0.29	0.350287
<i>LPIN2</i>	rs607549	490	0.27	-0.09	-0.29	0.11	0.355925
<i>CAVI</i>	rs4730751	491	0.28	0.09	-0.10	0.28	0.364154
<i>LPIN1</i>	rs11524	491	0.12	-0.12	-0.39	0.15	0.369624
<i>CAVI</i>	rs8713	491	0.18	0.10	-0.13	0.34	0.386136
<i>MTTP</i>	rs3828542	491	0.17	0.11	-0.13	0.35	0.388300
<i>PPARG</i>	rs12497191	488	0.14	-0.11	-0.35	0.14	0.391846
<i>PPARG</i>	rs1797912	491	0.35	-0.08	-0.26	0.10	0.397068
<i>PPARGCIA</i>	rs2279525	466	0.29	-0.09	-0.29	0.12	0.398167
<i>LPIN3</i>	rs6065338	490	0.18	-0.09	-0.32	0.13	0.401027
<i>BHLHE40</i>	rs2137947	491	0.21	-0.08	-0.27	0.11	0.401150
<i>PPARGCIA</i>	rs10213440	486	0.17	-0.11	-0.36	0.15	0.406694

<i>LPIN2</i>	rs3934427	480	0.11	-0.12	-0.40	0.16	0.408752
<i>PPARGC1A</i>	rs2970869	491	0.22	0.09	-0.12	0.31	0.409593
<i>ADIPOQ</i>	rs7649121	490	0.18	-0.10	-0.34	0.14	0.412419
<i>PPARG</i>	rs17793693	491	0.10	-0.11	-0.37	0.15	0.413374
<i>ADIPOQ</i>	rs182052	491	0.36	-0.07	-0.25	0.10	0.413631
<i>FABP1</i>	rs2970903	491	0.11	-0.11	-0.37	0.16	0.426473
<i>LPIN1</i>	rs1050800	491	0.16	0.09	-0.14	0.32	0.428308
<i>CEBPB</i>	rs4253449	491	0.05	-0.18	-0.61	0.26	0.431535
<i>ATF6</i>	rs2499851	491	0.31	-0.07	-0.26	0.11	0.444995
<i>PPARGC1A</i>	rs1388332	491	0.08	-0.12	-0.42	0.19	0.452239
<i>LPIN1</i>	rs13013930	491	0.25	-0.07	-0.27	0.13	0.480222
<i>ATF6</i>	rs4417044	491	0.25	-0.07	-0.26	0.12	0.487997
<i>LPL</i>	rs1534649	490	0.42	0.06	-0.12	0.24	0.497715
<i>BHLHE40</i>	rs11925620	491	0.04	-0.15	-0.57	0.28	0.501883
<i>LPIN3</i>	rs4812495	483	0.14	0.10	-0.19	0.38	0.504041
<i>PPARGC1A</i>	rs8192678	491	0.35	-0.06	-0.25	0.12	0.512763
<i>LEP</i>	rs11760956	482	0.38	-0.06	-0.24	0.12	0.518282
<i>PPARD</i>	rs4713854	491	0.07	-0.14	-0.58	0.29	0.522582
<i>ADIPOQ</i>	rs822387	491	0.07	0.10	-0.22	0.42	0.534572
<i>NR1I2</i>	rs16830505	491	0.12	0.09	-0.20	0.38	0.540849
<i>LPL</i>	rs248	491	0.07	0.09	-0.20	0.39	0.542652
<i>NR1I2</i>	rs1054190	491	0.12	0.08	-0.18	0.33	0.545083
<i>PPARG</i>	rs12629751	491	0.09	-0.09	-0.37	0.20	0.547569
<i>LPIN3</i>	rs4810312	487	0.41	0.05	-0.13	0.23	0.553832
<i>PPARGC1A</i>	rs2970855	491	0.33	0.05	-0.13	0.24	0.556911
<i>ADRB2</i>	rs1042713	491	0.39	0.06	-0.14	0.25	0.558569
<i>ADIPOQ</i>	rs3821799	491	0.47	0.05	-0.12	0.22	0.560736
<i>MTTP</i>	rs2035816	491	0.10	0.09	-0.22	0.40	0.563869
<i>LPL</i>	rs13702	491	0.33	0.05	-0.13	0.24	0.565002
<i>FNTA</i>	rs13282019	491	0.05	0.11	-0.27	0.50	0.566061
<i>CAV1</i>	rs3815412	491	0.25	0.06	-0.14	0.26	0.566705
<i>LPIN2</i>	rs642926	491	0.34	0.05	-0.13	0.24	0.573027
<i>PPARGC1A</i>	rs7437482	491	0.35	-0.06	-0.26	0.14	0.575070
<i>NR1I2</i>	rs3814055	491	0.38	0.05	-0.13	0.24	0.578853
<i>LPL</i>	rs17410577	491	0.17	0.06	-0.17	0.30	0.585338
<i>PPARG</i>	rs2938395	491	0.36	-0.05	-0.25	0.14	0.586018
<i>PPARG</i>	rs7650895	491	0.19	0.07	-0.17	0.30	0.589380
<i>CAV1</i>	rs3807989	491	0.41	-0.05	-0.23	0.13	0.589494
<i>ATF6</i>	rs10918215	491	0.30	-0.05	-0.23	0.13	0.597839
<i>FABP1</i>	rs894194	491	0.24	-0.06	-0.26	0.15	0.598649
<i>PPARD</i>	rs11751895	491	0.03	-0.14	-0.67	0.39	0.602136
<i>MMP9</i>	rs3918253	481	0.44	-0.05	-0.24	0.14	0.602634
<i>PPARGC1A</i>	rs3736265	491	0.07	-0.09	-0.42	0.25	0.602805
<i>CAV1</i>	rs2052106	489	0.34	-0.05	-0.24	0.14	0.606015
<i>ATF6</i>	rs4657100	491	0.11	-0.07	-0.34	0.20	0.606687
<i>ATF6</i>	rs4657110	491	0.11	-0.07	-0.34	0.20	0.607618
<i>ATF6</i>	rs6670606	491	0.11	-0.07	-0.34	0.20	0.607618
<i>PPARD</i>	rs6902123	491	0.09	-0.08	-0.38	0.23	0.610298
<i>PPARG</i>	rs10510418	491	0.31	-0.05	-0.23	0.14	0.610923
<i>ATF6</i>	rs9482	491	0.30	-0.05	-0.23	0.13	0.611003
<i>ATF6</i>	rs12032568	489	0.11	-0.07	-0.34	0.20	0.611783
<i>LPL</i>	rs3779788	491	0.16	0.06	-0.18	0.30	0.612636

<i>ATF6</i>	rs12026254	489	0.11	-0.07	-0.34	0.20	0.617466
<i>MTTP</i>	rs3816873	491	0.28	0.05	-0.15	0.25	0.622635
<i>NR1I2</i>	rs3732360	491	0.26	-0.04	-0.22	0.14	0.648752
<i>ATF6</i>	rs1058405	491	0.26	-0.04	-0.23	0.15	0.653503
<i>MLXIPL</i>	rs6967028	491	0.10	0.07	-0.22	0.35	0.654906
<i>FABP1</i>	rs2919867	491	0.20	0.05	-0.16	0.25	0.658531
<i>CAV1</i>	rs926198	489	0.37	-0.04	-0.22	0.14	0.659650
<i>PPARGC1A</i>	rs2970848	491	0.33	-0.04	-0.22	0.14	0.668397
<i>ADRB3</i>	rs2071493	491	0.06	0.08	-0.30	0.47	0.669154
<i>ADRB3</i>	rs4997	490	0.06	0.08	-0.30	0.46	0.679452
<i>PPARGC1A</i>	rs10002521	491	0.31	0.04	-0.15	0.23	0.682342
<i>PPARGC1A</i>	rs7682765	491	0.06	-0.07	-0.40	0.27	0.689347
<i>CAV1</i>	rs3807995	490	0.07	-0.07	-0.41	0.28	0.700671
<i>NR1I2</i>	rs2461823	491	0.35	0.03	-0.15	0.22	0.711588
<i>FNTA</i>	rs10958736	491	0.11	0.05	-0.22	0.32	0.714274
<i>PPARD</i>	rs2267668	491	0.16	-0.05	-0.30	0.20	0.715667
<i>LEP</i>	rs2071045	491	0.24	0.03	-0.16	0.23	0.724332
<i>LPIN2</i>	rs1164	491	0.19	0.04	-0.18	0.25	0.726423
<i>PCK2</i>	rs1951634	491	0.28	0.03	-0.16	0.23	0.726905
<i>PPARG</i>	rs10865710	491	0.26	-0.04	-0.24	0.17	0.728637
<i>ADRB3</i>	rs4998	490	0.06	0.07	-0.32	0.45	0.734944
<i>BHLHE40</i>	rs1110261	489	0.21	0.04	-0.19	0.27	0.739083
<i>PPARGC1A</i>	rs7657071	491	0.30	-0.03	-0.22	0.16	0.740260
<i>ATF6</i>	rs10737517	490	0.28	-0.03	-0.22	0.16	0.754875
<i>PPARGC1A</i>	rs11734408	491	0.28	0.03	-0.17	0.23	0.756396
<i>PPARGC1A</i>	rs17637318	491	0.28	0.03	-0.17	0.23	0.760427
<i>CTSS</i>	rs1136774	491	0.49	-0.03	-0.20	0.14	0.763195
<i>ADIPOQ</i>	rs2241767	491	0.13	-0.04	-0.30	0.22	0.771086
<i>CEBPB</i>	rs2904254	491	0.17	-0.04	-0.28	0.21	0.771107
<i>PPARG</i>	rs1801282	491	0.13	0.04	-0.26	0.34	0.776223
<i>ADIPOQ</i>	rs16861194	491	0.08	0.04	-0.24	0.31	0.781830
<i>MMP9</i>	rs17576	489	0.36	-0.03	-0.23	0.17	0.788549
<i>ADIPOQ</i>	rs17366568	491	0.14	0.03	-0.22	0.29	0.791860
<i>MMP9</i>	rs2250889	490	0.05	-0.05	-0.47	0.36	0.794761
<i>PPARGC1A</i>	rs7674429	491	0.17	-0.03	-0.26	0.20	0.796891
<i>ADRB3</i>	rs4994	491	0.07	0.05	-0.33	0.43	0.802624
<i>LPL</i>	rs264	489	0.16	-0.03	-0.28	0.22	0.802787
<i>PPARD</i>	rs6457816	490	0.09	-0.04	-0.33	0.25	0.805909
<i>FABP1</i>	rs2919871	490	0.27	-0.02	-0.21	0.16	0.805935
<i>ATF6</i>	rs2271012	480	0.09	0.03	-0.25	0.32	0.812726
<i>BHLHE40</i>	rs1467159	491	0.49	-0.02	-0.20	0.16	0.821359
<i>MMP9</i>	rs3787268	491	0.21	0.02	-0.19	0.24	0.827932
<i>BHLHE40</i>	rs11130215	491	0.19	-0.02	-0.23	0.19	0.829026
<i>FABP4</i>	rs16909192	491	0.19	0.03	-0.21	0.26	0.830580
<i>PPARD</i>	rs2038068	490	0.24	-0.02	-0.23	0.19	0.835809
<i>BHLHE40</i>	rs908078	491	0.17	0.02	-0.19	0.24	0.837499
<i>FABP1</i>	rs1441644	490	0.29	-0.02	-0.21	0.17	0.838528
<i>PPARG</i>	rs10510419	490	0.16	-0.03	-0.27	0.22	0.839394
<i>LPIN1</i>	rs893346	489	0.06	0.03	-0.30	0.36	0.842780
<i>ADIPOQ</i>	rs2241766	491	0.13	-0.02	-0.28	0.23	0.850120
<i>ATF6</i>	rs12044770	489	0.09	-0.03	-0.31	0.25	0.850982
<i>MLXIPL</i>	rs7798357	491	0.26	0.02	-0.17	0.20	0.851117

<i>ATF6</i>	rs1394070	491	0.14	-0.02	-0.26	0.22	0.852137
<i>LPIN2</i>	rs4797092	491	0.08	0.03	-0.26	0.31	0.852892
<i>PPARGC1A</i>	rs13117172	491	0.19	0.02	-0.20	0.25	0.854941
<i>CAVI</i>	rs3779512	491	0.44	-0.02	-0.19	0.16	0.855542
<i>ATF6</i>	rs1135983	491	0.09	-0.03	-0.30	0.25	0.860033
<i>ATF6</i>	rs6695284	491	0.09	-0.03	-0.30	0.25	0.860033
<i>CAVI</i>	rs1049337	491	0.27	0.02	-0.17	0.20	0.862408
<i>FABP1</i>	rs2241883	491	0.33	0.01	-0.16	0.19	0.874502
<i>CTSS</i>	rs11576175	491	0.11	-0.02	-0.29	0.25	0.882721
<i>PPARGC1A</i>	rs2932976	491	0.26	-0.01	-0.20	0.18	0.886063
<i>PPARG</i>	rs4135275	491	0.19	-0.01	-0.21	0.19	0.887685
<i>LPIN2</i>	rs7233117	491	0.30	-0.01	-0.21	0.18	0.892948
<i>PPARGC1A</i>	rs12374408	491	0.29	-0.01	-0.21	0.19	0.900256
<i>PPARGC1A</i>	rs2305681	490	0.05	0.02	-0.40	0.45	0.909022
<i>LPL</i>	rs249	491	0.09	-0.02	-0.29	0.26	0.911474
<i>LPIN1</i>	rs6726960	491	0.23	0.01	-0.18	0.20	0.911862
<i>ATF6</i>	rs1136046	491	0.15	-0.01	-0.25	0.22	0.916060
<i>MTTP</i>	rs1032355	491	0.19	0.01	-0.21	0.23	0.920854
<i>LEP</i>	rs2278815	491	0.46	0.01	-0.16	0.18	0.922267
<i>FABP4</i>	rs10099756	491	0.30	0.01	-0.19	0.21	0.925069
<i>LEP</i>	rs11763517	491	0.50	-0.01	-0.19	0.17	0.929556
<i>PPARG</i>	rs3856806	491	0.12	-0.01	-0.29	0.27	0.930051
<i>NR1I2</i>	rs1403526	491	0.29	0.01	-0.18	0.20	0.930620
<i>PPARD</i>	rs2076169	491	0.10	-0.01	-0.31	0.29	0.947038
<i>CTSS</i>	rs10888390	491	0.36	-0.01	-0.20	0.18	0.947335
<i>NR1I2</i>	rs11926554	490	0.21	-0.01	-0.23	0.22	0.950641
<i>LPIN3</i>	rs7263195	491	0.05	-0.01	-0.38	0.36	0.957535
<i>BHLHE40</i>	rs11920786	490	0.15	-0.01	-0.24	0.22	0.962230
<i>LPIN2</i>	rs10853287	491	0.12	0.01	-0.25	0.26	0.967569
<i>CTSS</i>	rs7511673	491	0.39	0.00	-0.18	0.18	0.973977
<i>NR1I2</i>	rs3732361	491	0.38	0.00	-0.17	0.17	0.976318
<i>LPIN1</i>	rs11695702	491	0.28	0.00	-0.19	0.19	0.980740
<i>PPARD</i>	rs7744392	490	0.05	0.00	-0.33	0.34	0.983173
<i>FABP4</i>	rs10109480	491	0.10	0.00	-0.27	0.27	0.986003

Supplementary Table 4B. SNP main effect on LDL-cholesterol after 6 months *ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>ADRB2</i>	rs1042719	491	0.29	0.19	0.03	0.36	0.021726
<i>PCK2</i>	rs2759407	491	0.07	-0.28	-0.54	-0.03	0.030484
<i>PPARGC1A</i>	rs2946385	491	0.42	-0.15	-0.30	-0.01	0.033845
<i>LPL</i>	rs10099160	490	0.20	0.19	0.00	0.37	0.044123
<i>PPARG</i>	rs13099634	489	0.19	0.21	0.00	0.42	0.047463
<i>PPARGC1A</i>	rs6850464	491	0.14	0.23	0.00	0.47	0.049532
<i>ATF6</i>	rs3767635	491	0.31	0.16	0.00	0.32	0.051262
<i>LPIN3</i>	rs6029636	491	0.26	0.17	-0.01	0.35	0.058563
<i>PPARGC1A</i>	rs9996943	491	0.42	0.15	-0.01	0.31	0.058606
<i>LPIN1</i>	rs893349	491	0.43	-0.15	-0.30	0.01	0.063350
<i>LPIN2</i>	rs11665524	491	0.16	0.16	-0.01	0.34	0.069249
<i>PPARGC1A</i>	rs4361373	491	0.15	0.19	-0.02	0.40	0.070465
<i>LPIN2</i>	rs1059281	490	0.29	-0.15	-0.31	0.01	0.070764
<i>PPARGC1A</i>	rs4235308	490	0.41	-0.14	-0.30	0.01	0.072851
<i>MTTP</i>	rs982424	491	0.06	-0.36	-0.76	0.04	0.079027
<i>FABP1</i>	rs2970902	491	0.37	0.13	-0.02	0.29	0.083528
<i>LPIN3</i>	rs6072343	490	0.14	-0.18	-0.39	0.02	0.083635
<i>LPIN1</i>	rs10520097	491	0.16	0.18	-0.03	0.39	0.085043
<i>LPIN2</i>	rs11661932	491	0.10	0.21	-0.03	0.45	0.092650
<i>ATF6</i>	rs12130299	491	0.25	-0.15	-0.33	0.03	0.094671
<i>BHLHE40</i>	rs1588794	491	0.10	0.20	-0.04	0.45	0.095705
<i>PCK2</i>	rs2071586	479	0.24	-0.14	-0.30	0.02	0.096224
<i>LPIN2</i>	rs1985	491	0.31	-0.13	-0.29	0.03	0.106280
<i>PPARGC1A</i>	rs2970847	491	0.17	0.17	-0.04	0.39	0.106995
<i>LPIN3</i>	rs6029646	489	0.26	0.14	-0.03	0.31	0.115998
<i>LPL</i>	rs285	491	0.49	0.12	-0.03	0.27	0.118219
<i>MTTP</i>	rs1057613	491	0.49	0.12	-0.03	0.27	0.123169
<i>LPIN1</i>	rs2577256	491	0.48	-0.12	-0.27	0.03	0.123683
<i>LPIN2</i>	rs9635812	491	0.28	0.12	-0.04	0.28	0.126041
<i>ADRB2</i>	rs2400707	491	0.41	-0.12	-0.27	0.04	0.134504
<i>LPIN2</i>	rs3819090	491	0.29	0.12	-0.04	0.28	0.135000
<i>LPIN1</i>	rs2577264	490	0.40	-0.13	-0.29	0.04	0.139995
<i>LPIN2</i>	rs6506041	491	0.32	-0.13	-0.29	0.04	0.143555
<i>LPIN3</i>	rs16985665	491	0.20	0.14	-0.05	0.34	0.145539
<i>LPIN2</i>	rs4570954	491	0.20	0.14	-0.05	0.33	0.148775
<i>BHLHE40</i>	rs11918262	491	0.18	-0.13	-0.31	0.05	0.160524
<i>ADIPOQ</i>	rs12495941	491	0.37	0.10	-0.04	0.24	0.164121
<i>PPARGC1A</i>	rs4469064	491	0.09	-0.18	-0.44	0.08	0.165112
<i>BHLHE40</i>	rs2137947	491	0.21	-0.11	-0.28	0.05	0.171436
<i>FABP1</i>	rs2970903	491	0.11	-0.16	-0.38	0.07	0.176601
<i>ATF6</i>	rs12079579	491	0.07	-0.20	-0.48	0.09	0.180915
<i>LPIN3</i>	rs6065338	490	0.18	-0.13	-0.32	0.06	0.185588
<i>LPIN1</i>	rs2358126	491	0.46	0.11	-0.05	0.26	0.186974
<i>ADIPOQ</i>	rs1501299	491	0.28	0.11	-0.06	0.28	0.187718
<i>LPIN1</i>	rs2278513	491	0.45	-0.10	-0.25	0.05	0.188661
<i>LPL</i>	rs270	491	0.14	0.14	-0.07	0.36	0.190989
<i>PPARG</i>	rs7650895	491	0.19	0.14	-0.07	0.34	0.191004
<i>PCK2</i>	rs9783666	489	0.06	-0.18	-0.45	0.10	0.201263
<i>ATF6</i>	rs3795649	491	0.38	0.10	-0.05	0.25	0.206292

<i>PPARG</i>	rs4135268	491	0.07	-0.18	-0.47	0.10	0.206666
<i>PPARG</i>	rs2972164	491	0.48	-0.10	-0.25	0.05	0.207424
<i>LPIN1</i>	rs3795974	491	0.40	-0.10	-0.26	0.06	0.208328
<i>PPARGC1A</i>	rs2279525	467	0.29	-0.11	-0.29	0.06	0.208669
<i>PPARGC1A</i>	rs10213440	486	0.17	-0.14	-0.36	0.08	0.209898
<i>LPIN1</i>	rs4669778	491	0.46	0.10	-0.06	0.25	0.210751
<i>ATF6</i>	rs10918092	485	0.36	0.10	-0.06	0.25	0.218361
<i>LPIN1</i>	rs2577261	491	0.10	0.17	-0.10	0.43	0.224004
<i>PPARGC1A</i>	rs3774923	478	0.04	-0.25	-0.65	0.15	0.225264
<i>ATF6</i>	rs1417580	491	0.45	-0.10	-0.25	0.06	0.226634
<i>ATF6</i>	rs2499854	491	0.33	-0.10	-0.25	0.06	0.229655
<i>NR1I2</i>	rs3814055	491	0.38	0.10	-0.07	0.26	0.246868
<i>LPIN2</i>	rs3745013	491	0.35	-0.09	-0.23	0.06	0.246905
<i>ADIPOQ</i>	rs182052	491	0.36	-0.09	-0.24	0.06	0.248442
<i>CEBPB</i>	rs4253449	491	0.05	-0.22	-0.59	0.16	0.256591
<i>PPARGC1A</i>	rs3774921	491	0.46	0.09	-0.07	0.24	0.271607
<i>LPIN2</i>	rs3934427	481	0.11	-0.13	-0.37	0.11	0.277268
<i>PPARGC1A</i>	rs2970853	491	0.23	0.11	-0.09	0.30	0.284160
<i>LPL</i>	rs2197089	491	0.44	-0.08	-0.22	0.07	0.289219
<i>LPL</i>	rs283	490	0.20	0.09	-0.08	0.26	0.293257
<i>BHLHE40</i>	rs11920786	490	0.15	0.10	-0.09	0.30	0.296112
<i>PPARGC1A</i>	rs7665116	486	0.13	-0.12	-0.34	0.11	0.301198
<i>PPARG</i>	rs17793693	491	0.10	-0.12	-0.35	0.11	0.302522
<i>MLXIPL</i>	rs7798357	491	0.26	0.08	-0.08	0.24	0.308969
<i>FNTA</i>	rs13282019	491	0.05	0.17	-0.16	0.51	0.311258
<i>MTTP</i>	rs2035816	491	0.10	0.14	-0.13	0.40	0.313667
<i>LPIN2</i>	rs607549	490	0.27	-0.09	-0.26	0.08	0.315638
<i>NR1I2</i>	rs1054190	491	0.12	0.11	-0.11	0.33	0.318315
<i>PPARGC1A</i>	rs1388332	491	0.08	-0.13	-0.39	0.13	0.324693
<i>MTTP</i>	rs881980	491	0.14	0.11	-0.11	0.33	0.327812
<i>LPIN3</i>	rs12625565	489	0.22	-0.09	-0.27	0.09	0.339202
<i>PPARG</i>	rs1797912	491	0.35	-0.08	-0.24	0.08	0.340075
<i>PPARG</i>	rs4135247	491	0.42	0.07	-0.08	0.23	0.346665
<i>ATF6</i>	rs12086247	491	0.13	-0.11	-0.34	0.12	0.346945
<i>LPIN2</i>	rs10438875	491	0.23	0.09	-0.10	0.27	0.354644
<i>NR1I2</i>	rs1403527	491	0.18	0.10	-0.11	0.31	0.357460
<i>ADIPOQ</i>	rs822396	491	0.17	-0.09	-0.28	0.10	0.357904
<i>ATF6</i>	rs7554023	491	0.19	0.09	-0.11	0.29	0.358484
<i>LPIN1</i>	rs1050800	491	0.16	0.09	-0.11	0.29	0.361840
<i>GHRL</i>	rs17032621	491	0.14	0.09	-0.11	0.30	0.363115
<i>MTTP</i>	rs3816873	491	0.28	0.08	-0.09	0.25	0.363493
<i>NR1I2</i>	rs3732360	491	0.26	-0.07	-0.23	0.08	0.365368
<i>CAV1</i>	rs8713	491	0.18	0.09	-0.11	0.29	0.366559
<i>LEP</i>	rs7788818	491	0.06	0.14	-0.17	0.45	0.366898
<i>PPARGC1A</i>	rs2970869	491	0.22	0.08	-0.10	0.27	0.384939
<i>FABP4</i>	rs10099756	491	0.30	-0.07	-0.24	0.10	0.390095
<i>LPIN2</i>	rs661767	491	0.30	0.07	-0.09	0.22	0.394213
<i>ATF6</i>	rs2499851	491	0.31	-0.07	-0.23	0.09	0.407791
<i>PCK2</i>	rs11629199	491	0.10	0.10	-0.14	0.34	0.430645
<i>BHLHE40</i>	rs11925620	491	0.04	-0.15	-0.51	0.22	0.432368
<i>LPIN2</i>	rs625527	491	0.43	0.06	-0.09	0.20	0.438117
<i>PPARD</i>	rs2267668	491	0.16	-0.09	-0.32	0.14	0.438661

<i>BHLHE40</i>	rs908078	491	0.17	0.07	-0.11	0.26	0.440252
<i>ADIPOQ</i>	rs2241767	491	0.13	-0.09	-0.31	0.14	0.451073
<i>ATF6</i>	rs4657101	490	0.27	0.06	-0.10	0.23	0.455247
<i>MTTP</i>	rs2306985	491	0.37	0.06	-0.10	0.22	0.456964
<i>PPARGC1A</i>	rs4697426	491	0.23	-0.07	-0.25	0.11	0.467281
<i>PPARD</i>	rs9658119	490	0.13	-0.08	-0.30	0.14	0.469993
<i>CEBPB</i>	rs6020348	491	0.42	-0.05	-0.20	0.09	0.472256
<i>LPIN1</i>	rs6726960	491	0.23	0.06	-0.11	0.23	0.473782
<i>PPARGC1A</i>	rs7437482	491	0.35	-0.06	-0.23	0.11	0.478854
<i>LPIN1</i>	rs893346	489	0.06	0.10	-0.18	0.38	0.479036
<i>FABP1</i>	rs1441644	490	0.29	-0.06	-0.23	0.11	0.479609
<i>CAV1</i>	rs4730751	491	0.28	0.06	-0.11	0.22	0.480921
<i>PPARGC1A</i>	rs13117172	491	0.19	0.07	-0.13	0.27	0.481790
<i>PPARGC1A</i>	rs2970870	491	0.42	-0.05	-0.20	0.09	0.483725
<i>LPIN1</i>	rs13013930	491	0.25	-0.06	-0.23	0.11	0.495961
<i>LPL</i>	rs328	491	0.12	-0.08	-0.32	0.15	0.498976
<i>PPARD</i>	rs11751895	491	0.03	-0.17	-0.65	0.32	0.501019
<i>ADIPOQ</i>	rs3774261	491	0.41	0.05	-0.10	0.19	0.504416
<i>NR1I2</i>	rs11926554	490	0.21	0.07	-0.13	0.26	0.507218
<i>LPL</i>	rs253	491	0.46	0.05	-0.10	0.20	0.508614
<i>LPIN1</i>	rs4315495	491	0.42	0.05	-0.10	0.20	0.510651
<i>BHLHE40</i>	rs1110261	489	0.21	0.07	-0.13	0.26	0.514701
<i>CAV1</i>	rs9920	491	0.10	0.08	-0.16	0.32	0.518200
<i>LPL</i>	rs17410577	491	0.17	0.07	-0.14	0.28	0.521065
<i>PPARG</i>	rs12497191	488	0.14	-0.07	-0.28	0.14	0.524332
<i>LPIN3</i>	rs7263195	491	0.05	0.10	-0.22	0.42	0.526660
<i>MTTP</i>	rs17029213	491	0.03	0.12	-0.26	0.50	0.530003
<i>ATF6</i>	rs4657110	491	0.11	-0.07	-0.30	0.16	0.532207
<i>ATF6</i>	rs6670606	491	0.11	-0.07	-0.30	0.16	0.532207
<i>ATF6</i>	rs4657100	491	0.11	-0.07	-0.30	0.16	0.532341
<i>MMP9</i>	rs2250889	490	0.05	0.11	-0.24	0.47	0.532462
<i>ATF6</i>	rs12032568	489	0.11	-0.07	-0.30	0.16	0.538967
<i>ATF6</i>	rs12026254	489	0.11	-0.07	-0.30	0.16	0.540083
<i>PPARGC1A</i>	rs3736265	491	0.07	-0.09	-0.38	0.20	0.546916
<i>FABP4</i>	rs16909192	491	0.19	-0.06	-0.26	0.14	0.552714
<i>PPARG</i>	rs10510418	491	0.31	-0.05	-0.21	0.11	0.557478
<i>ATF6</i>	rs2134697	491	0.27	-0.05	-0.22	0.12	0.557481
<i>LEP</i>	rs2278815	491	0.46	0.04	-0.10	0.19	0.562163
<i>LEP</i>	rs11763517	491	0.50	0.05	-0.11	0.20	0.567707
<i>ADIPOQ</i>	rs2241766	491	0.13	-0.06	-0.29	0.16	0.568215
<i>FABP1</i>	rs894194	491	0.24	-0.05	-0.23	0.13	0.572143
<i>LPIN3</i>	rs4812495	483	0.14	0.07	-0.18	0.31	0.576515
<i>PPARG</i>	rs2120825	491	0.11	0.08	-0.20	0.36	0.577004
<i>CAV1</i>	rs3815412	491	0.25	0.05	-0.13	0.22	0.588552
<i>CAV1</i>	rs959173	491	0.16	-0.06	-0.26	0.15	0.593705
<i>MLXIPL</i>	rs6967028	491	0.10	0.07	-0.18	0.31	0.603592
<i>LPIN3</i>	rs4810312	487	0.41	0.04	-0.11	0.20	0.605656
<i>ADRB3</i>	rs2071493	491	0.06	0.09	-0.25	0.43	0.607792
<i>PPARG</i>	rs1801282	491	0.13	0.07	-0.19	0.33	0.610083
<i>MTTP</i>	rs1032355	491	0.19	0.05	-0.14	0.24	0.610773
<i>ADRB3</i>	rs4997	490	0.06	0.09	-0.25	0.43	0.615015
<i>CTSS</i>	rs7511673	491	0.39	-0.04	-0.19	0.12	0.635494

<i>BHLHE40</i>	rs1467159	491	0.49	0.04	-0.12	0.19	0.640220
<i>PPARD</i>	rs7744392	490	0.05	0.07	-0.22	0.35	0.648428
<i>ADIPOQ</i>	rs7649121	490	0.18	-0.05	-0.26	0.16	0.664309
<i>LPL</i>	rs3779788	491	0.16	0.05	-0.16	0.25	0.668001
<i>CAVI</i>	rs3807995	490	0.07	-0.07	-0.36	0.23	0.668663
<i>LPL</i>	rs249	491	0.09	0.05	-0.19	0.29	0.669442
<i>PPARG</i>	rs4135275	491	0.19	-0.04	-0.21	0.14	0.681784
<i>TLR4</i>	rs10759930	491	0.43	-0.03	-0.18	0.12	0.684777
<i>LEP</i>	rs2071045	491	0.24	0.03	-0.13	0.20	0.693378
<i>CTSS</i>	rs1136774	491	0.49	-0.03	-0.18	0.12	0.697048
<i>ADRB3</i>	rs4998	490	0.06	0.07	-0.27	0.41	0.697317
<i>FABP1</i>	rs2241883	491	0.33	0.03	-0.12	0.18	0.703419
<i>LPL</i>	rs1534649	490	0.42	0.03	-0.12	0.18	0.706037
<i>PPARGC1A</i>	rs8192678	491	0.35	-0.03	-0.19	0.13	0.709052
<i>ATF6</i>	rs4417044	491	0.25	-0.03	-0.20	0.13	0.710575
<i>LPIN2</i>	rs4797092	491	0.08	0.05	-0.20	0.29	0.713819
<i>ATF6</i>	rs12044770	489	0.09	-0.04	-0.29	0.20	0.717515
<i>ADRB3</i>	rs4994	491	0.07	0.06	-0.28	0.40	0.720078
<i>ATF6</i>	rs1135983	491	0.09	-0.04	-0.28	0.20	0.722590
<i>ATF6</i>	rs6695284	491	0.09	-0.04	-0.28	0.20	0.722590
<i>PPARGC1A</i>	rs7674429	491	0.17	0.04	-0.16	0.23	0.724954
<i>PPARD</i>	rs6457816	490	0.09	0.04	-0.21	0.29	0.733336
<i>PPARGC1A</i>	rs7657071	491	0.30	-0.03	-0.19	0.14	0.735026
<i>LPIN1</i>	rs11524	491	0.12	-0.04	-0.27	0.19	0.735346
<i>ATF6</i>	rs1394070	491	0.14	0.03	-0.17	0.24	0.747947
<i>ADIPOQ</i>	rs3821799	491	0.47	0.02	-0.12	0.17	0.749894
<i>LPL</i>	rs13702	491	0.33	-0.02	-0.18	0.13	0.756612
<i>PPARGC1A</i>	rs2305681	490	0.05	-0.06	-0.42	0.31	0.756737
<i>ADIPOQ</i>	rs822387	491	0.07	0.04	-0.23	0.32	0.756746
<i>LPIN2</i>	rs642926	491	0.34	0.02	-0.13	0.18	0.763003
<i>MMP9</i>	rs17576	489	0.36	-0.03	-0.20	0.15	0.766945
<i>BHLHE40</i>	rs11130215	491	0.19	0.03	-0.15	0.21	0.767644
<i>ATF6</i>	rs10918215	491	0.30	-0.02	-0.18	0.13	0.775048
<i>PPARD</i>	rs2076169	491	0.10	-0.04	-0.30	0.22	0.776425
<i>ATF6</i>	rs9482	491	0.30	-0.02	-0.18	0.13	0.778560
<i>PPARD</i>	rs2038068	490	0.24	-0.03	-0.21	0.16	0.779851
<i>ATF6</i>	rs1136046	491	0.15	-0.03	-0.23	0.17	0.786435
<i>ADIPOQ</i>	rs16861194	491	0.08	-0.03	-0.27	0.21	0.787172
<i>LPL</i>	rs316	491	0.13	0.03	-0.19	0.25	0.791011
<i>CEBPB</i>	rs2904254	491	0.17	0.03	-0.19	0.24	0.804085
<i>PPARGC1A</i>	rs17637318	491	0.28	-0.02	-0.19	0.15	0.804852
<i>ADRB2</i>	rs1042713	491	0.39	0.02	-0.15	0.19	0.809620
<i>PPARGC1A</i>	rs11734408	491	0.28	-0.02	-0.19	0.15	0.810356
<i>FABP1</i>	rs2919867	491	0.20	0.02	-0.15	0.20	0.817364
<i>PCK2</i>	rs1951634	491	0.28	-0.02	-0.19	0.15	0.820895
<i>PTGS1</i>	rs1213266	490	0.08	-0.03	-0.31	0.25	0.822633
<i>LPL</i>	rs248	491	0.07	-0.03	-0.28	0.23	0.835589
<i>TNF</i>	rs915654	490	0.32	-0.02	-0.17	0.14	0.835683
<i>PPARGC1A</i>	rs10002521	491	0.31	0.02	-0.15	0.18	0.839991
<i>LPIN2</i>	rs7233117	491	0.30	-0.02	-0.18	0.15	0.840868
<i>NR1I2</i>	rs3732361	491	0.38	-0.01	-0.16	0.13	0.849641
<i>FABP1</i>	rs2919871	490	0.27	-0.01	-0.17	0.15	0.876730

<i>PPARGC1A</i>	rs2932976	491	0.26	0.01	-0.15	0.18	0.879350
<i>PPARG</i>	rs12629751	491	0.09	-0.02	-0.26	0.22	0.879904
<i>CAVI</i>	rs926198	489	0.37	0.01	-0.14	0.16	0.881302
<i>CAVI</i>	rs1049337	491	0.27	0.01	-0.15	0.17	0.884456
<i>PPARGC1A</i>	rs12500214	491	0.22	-0.01	-0.19	0.16	0.884959
<i>PPARGC1A</i>	rs7682765	491	0.06	0.02	-0.27	0.31	0.889194
<i>NR1I2</i>	rs2461823	491	0.35	-0.01	-0.17	0.15	0.894163
<i>FABP4</i>	rs10109480	491	0.10	0.01	-0.22	0.25	0.906610
<i>FNTA</i>	rs10958736	491	0.11	0.01	-0.22	0.25	0.906700
<i>MMP9</i>	rs3918253	481	0.44	-0.01	-0.17	0.15	0.909770
<i>LPL</i>	rs264	489	0.16	-0.01	-0.23	0.20	0.914702
<i>CTSS</i>	rs11576175	491	0.11	0.01	-0.22	0.25	0.915268
<i>LEP</i>	rs11760956	482	0.38	-0.01	-0.17	0.15	0.922837
<i>PPARG</i>	rs2938395	491	0.36	0.01	-0.16	0.17	0.927149
<i>PPARGC1A</i>	rs2970848	491	0.33	-0.01	-0.17	0.15	0.927340
<i>MLXIPL</i>	rs1051921	488	0.16	-0.01	-0.19	0.17	0.930256
<i>ATF6</i>	rs1058405	491	0.26	-0.01	-0.17	0.16	0.931210
<i>PPARD</i>	rs6902123	491	0.09	0.01	-0.25	0.27	0.936141
<i>CAVI</i>	rs2052106	489	0.34	-0.01	-0.17	0.16	0.936506
<i>CAVI</i>	rs3807989	491	0.41	-0.01	-0.16	0.15	0.939380
<i>PPARG</i>	rs3856806	491	0.12	0.01	-0.23	0.25	0.941573
<i>CAVI</i>	rs3779512	491	0.44	0.01	-0.14	0.15	0.944047
<i>LPIN2</i>	rs1164	491	0.19	-0.01	-0.19	0.18	0.945743
<i>MMP9</i>	rs3787268	491	0.21	-0.01	-0.19	0.18	0.950490
<i>NR1I2</i>	rs1403526	491	0.29	0.00	-0.16	0.17	0.952933
<i>PPARG</i>	rs10865710	491	0.26	0.00	-0.18	0.17	0.959776
<i>ATF6</i>	rs10737517	490	0.28	0.00	-0.17	0.16	0.959915
<i>LPIN2</i>	rs10853287	491	0.12	0.01	-0.21	0.22	0.963590
<i>PPARGC1A</i>	rs12374408	491	0.29	0.00	-0.17	0.18	0.964275
<i>ATF6</i>	rs2271012	480	0.09	0.00	-0.25	0.24	0.968516
<i>ADIPOQ</i>	rs17366568	491	0.14	0.00	-0.23	0.22	0.974131
<i>PPARG</i>	rs10510419	490	0.16	0.00	-0.21	0.21	0.984465
<i>LPIN1</i>	rs11695702	491	0.28	0.00	-0.16	0.16	0.988275
<i>PPARGC1A</i>	rs2970855	491	0.33	0.00	-0.16	0.16	0.995107
<i>NR1I2</i>	rs16830505	491	0.12	0.00	-0.25	0.25	0.996370

Supplementary Table 4C. SNP main effect on HDL-cholesterol after 6 months *ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LEP</i>	rs7788818	493	0.06	0.16	0.04	0.27	0.006312
<i>PPARG</i>	rs4135268	493	0.07	-0.14	-0.24	-0.03	0.010468
<i>PCK2</i>	rs2759407	493	0.07	-0.11	-0.20	-0.02	0.013008
<i>LPL</i>	rs13702	493	0.33	0.07	0.01	0.13	0.018350
<i>LPL</i>	rs316	493	0.13	0.10	0.02	0.18	0.019267
<i>MLXIPL</i>	rs1051921	490	0.16	-0.07	-0.14	-0.01	0.029114
<i>LPL</i>	rs2197089	493	0.44	-0.06	-0.11	0.00	0.042851
<i>CAV1</i>	rs959173	493	0.16	-0.08	-0.15	0.00	0.051620
<i>FABP1</i>	rs894194	493	0.24	0.06	0.00	0.13	0.060800
<i>CAV1</i>	rs926198	491	0.37	-0.05	-0.11	0.00	0.064985
<i>LEP</i>	rs11763517	493	0.50	-0.05	-0.11	0.01	0.075268
<i>NR1I2</i>	rs1054190	493	0.12	-0.07	-0.15	0.01	0.081990
<i>PCK2</i>	rs9783666	491	0.06	-0.08	-0.17	0.01	0.096900
<i>PPARD</i>	rs2076169	493	0.10	-0.08	-0.17	0.02	0.100361
<i>LPIN2</i>	rs11661932	493	0.10	0.07	-0.02	0.16	0.111781
<i>MLXIPL</i>	rs7798357	493	0.26	-0.05	-0.11	0.01	0.112656
<i>PPARD</i>	rs2267668	493	0.16	-0.06	-0.14	0.02	0.115822
<i>PPARD</i>	rs11751895	493	0.03	-0.14	-0.31	0.03	0.117014
<i>CAV1</i>	rs3779512	493	0.44	-0.04	-0.10	0.01	0.124316
<i>PPARGCIA</i>	rs10213440	488	0.17	0.06	-0.02	0.14	0.134859
<i>LPL</i>	rs285	493	0.49	0.04	-0.01	0.10	0.136110
<i>CAV1</i>	rs3807989	493	0.41	-0.04	-0.10	0.02	0.149836
<i>ADIPOQ</i>	rs822387	493	0.07	0.07	-0.03	0.18	0.151341
<i>ADIPOQ</i>	rs3821799	493	0.47	0.04	-0.01	0.09	0.153191
<i>CAV1</i>	rs2052106	491	0.34	-0.04	-0.11	0.02	0.156254
<i>ATF6</i>	rs2271012	482	0.09	0.07	-0.03	0.16	0.157061
<i>LPL</i>	rs3779788	493	0.16	0.05	-0.02	0.13	0.161235
<i>ADRB3</i>	rs4994	493	0.07	-0.09	-0.21	0.04	0.164335
<i>LEP</i>	rs11760956	484	0.38	-0.04	-0.10	0.02	0.170893
<i>NR1I2</i>	rs3732361	493	0.38	-0.04	-0.09	0.02	0.179104
<i>LPIN1</i>	rs13013930	493	0.25	-0.04	-0.11	0.02	0.181365
<i>ADIPOQ</i>	rs3774261	493	0.41	0.04	-0.02	0.09	0.186845
<i>ADIPOQ</i>	rs2241767	493	0.13	0.05	-0.03	0.14	0.201129
<i>PCK2</i>	rs1951634	493	0.28	0.04	-0.02	0.10	0.204251
<i>PPARGCIA</i>	rs7657071	493	0.30	-0.04	-0.10	0.02	0.207506
<i>ATF6</i>	rs1058405	493	0.26	-0.04	-0.10	0.02	0.213175
<i>PPARGCIA</i>	rs4697426	493	0.23	-0.04	-0.11	0.02	0.214902
<i>PPARGCIA</i>	rs7665116	488	0.13	-0.05	-0.13	0.03	0.242498
<i>ADRB3</i>	rs4997	492	0.06	-0.07	-0.20	0.05	0.246842
<i>LPIN1</i>	rs893349	493	0.43	-0.03	-0.09	0.02	0.253243
<i>LPL</i>	rs1534649	492	0.42	0.03	-0.02	0.09	0.254507
<i>ADIPOQ</i>	rs822396	493	0.17	-0.04	-0.11	0.03	0.254762
<i>ADRB3</i>	rs2071493	493	0.06	-0.07	-0.19	0.05	0.255135
<i>ATF6</i>	rs12130299	493	0.25	-0.04	-0.10	0.03	0.259925
<i>PPARGCIA</i>	rs2946385	493	0.42	-0.03	-0.08	0.02	0.261018
<i>ADRB3</i>	rs4998	492	0.06	-0.07	-0.19	0.05	0.262796
<i>ADIPOQ</i>	rs2241766	493	0.13	0.05	-0.04	0.13	0.266863
<i>MTTP</i>	rs2035816	493	0.10	-0.06	-0.16	0.04	0.268625
<i>ATF6</i>	rs1135983	493	0.09	0.05	-0.04	0.14	0.272264

<i>ATF6</i>	rs6695284	493	0.09	0.05	-0.04	0.14	0.272264
<i>ATF6</i>	rs12026254	491	0.11	0.05	-0.04	0.13	0.273271
<i>PPARGC1A</i>	rs2970869	493	0.22	0.04	-0.03	0.11	0.273587
<i>ATF6</i>	rs12044770	491	0.09	0.05	-0.04	0.14	0.274173
<i>PPARGC1A</i>	rs2970847	493	0.17	0.04	-0.04	0.12	0.276781
<i>PCK2</i>	rs2071586	481	0.24	-0.03	-0.09	0.03	0.278521
<i>LPIN2</i>	rs3934427	482	0.11	-0.05	-0.14	0.04	0.286266
<i>PPARGC1A</i>	rs2970853	493	0.23	0.04	-0.03	0.11	0.291911
<i>ATF6</i>	rs4657110	493	0.11	0.05	-0.04	0.13	0.298650
<i>ATF6</i>	rs6670606	493	0.11	0.05	-0.04	0.13	0.298650
<i>ATF6</i>	rs4657100	493	0.11	0.05	-0.04	0.13	0.299918
<i>LPL</i>	rs248	493	0.07	0.05	-0.04	0.14	0.303924
<i>ATF6</i>	rs12032568	491	0.11	0.04	-0.04	0.13	0.308030
<i>LPIN1</i>	rs4315495	493	0.42	-0.03	-0.08	0.03	0.311776
<i>CEBPB</i>	rs4253449	493	0.05	0.07	-0.07	0.21	0.318398
<i>LPIN1</i>	rs6726960	493	0.23	0.03	-0.03	0.09	0.319423
<i>PPARGC1A</i>	rs11734408	493	0.28	0.03	-0.03	0.09	0.324159
<i>PPARGC1A</i>	rs6850464	493	0.14	0.04	-0.04	0.13	0.328950
<i>MTTP</i>	rs1032355	493	0.19	-0.04	-0.11	0.04	0.329298
<i>PPARGC1A</i>	rs17637318	493	0.28	0.03	-0.03	0.09	0.331682
<i>BHLHE40</i>	rs11130215	493	0.19	-0.03	-0.10	0.03	0.340548
<i>PPARD</i>	rs2038068	492	0.24	-0.03	-0.10	0.04	0.345323
<i>ADRB2</i>	rs1042713	493	0.39	0.03	-0.03	0.09	0.353205
<i>LPIN1</i>	rs11524	493	0.12	-0.04	-0.13	0.05	0.353349
<i>BHLHE40</i>	rs1588794	493	0.10	-0.04	-0.13	0.05	0.355361
<i>LPIN2</i>	rs4570954	493	0.20	0.03	-0.04	0.10	0.360654
<i>LPL</i>	rs249	493	0.09	-0.04	-0.13	0.05	0.366867
<i>MTTP</i>	rs3816873	493	0.28	-0.03	-0.09	0.04	0.366891
<i>ATF6</i>	rs7554023	493	0.19	-0.03	-0.11	0.04	0.371855
<i>PPARGC1A</i>	rs2970870	493	0.42	-0.02	-0.08	0.03	0.393524
<i>PPARGC1A</i>	rs3774921	493	0.46	0.02	-0.03	0.08	0.396864
<i>FNTA</i>	rs13282019	493	0.05	-0.05	-0.18	0.07	0.415379
<i>LPIN1</i>	rs3795974	493	0.40	-0.02	-0.08	0.03	0.417218
<i>MTTP</i>	rs3828542	493	0.17	0.03	-0.05	0.11	0.418942
<i>LPIN1</i>	rs2278513	493	0.45	-0.02	-0.08	0.03	0.426161
<i>LPIN1</i>	rs2577264	492	0.40	-0.02	-0.09	0.04	0.427309
<i>NR1I2</i>	rs2461823	493	0.35	0.02	-0.03	0.08	0.429637
<i>MTTP</i>	rs1057613	493	0.49	-0.02	-0.08	0.03	0.434738
<i>PPARG</i>	rs7650895	493	0.19	-0.03	-0.11	0.05	0.435127
<i>ATF6</i>	rs4417044	493	0.25	0.02	-0.04	0.09	0.439971
<i>PPARG</i>	rs3856806	493	0.12	-0.04	-0.12	0.05	0.443398
<i>PCK2</i>	rs11629199	493	0.10	0.03	-0.05	0.12	0.446954
<i>FNTA</i>	rs10958736	493	0.11	0.03	-0.05	0.12	0.449132
<i>CTSS</i>	rs10888390	493	0.36	0.02	-0.04	0.08	0.449171
<i>CTSS</i>	rs7511673	493	0.39	0.02	-0.04	0.08	0.458175
<i>LPL</i>	rs270	493	0.14	-0.03	-0.11	0.05	0.466416
<i>ATF6</i>	rs1417580	493	0.45	-0.02	-0.08	0.04	0.468130
<i>LPIN2</i>	rs3745013	493	0.35	-0.02	-0.07	0.03	0.471011
<i>LPIN1</i>	rs2577256	493	0.48	-0.02	-0.08	0.04	0.476260
<i>PPARGC1A</i>	rs7437482	493	0.35	0.02	-0.04	0.09	0.481255
<i>LPIN2</i>	rs11665524	493	0.16	0.02	-0.04	0.09	0.498617
<i>FABP1</i>	rs2241883	493	0.33	0.02	-0.04	0.08	0.505070

<i>MTTP</i>	rs17029213	493	0.03	0.05	-0.09	0.19	0.514288
<i>PPARGC1A</i>	rs2305681	492	0.05	0.04	-0.09	0.18	0.519484
<i>LPIN3</i>	rs12625565	491	0.22	-0.02	-0.09	0.04	0.519668
<i>ATF6</i>	rs9482	493	0.30	0.02	-0.04	0.08	0.524817
<i>CEBPB</i>	rs6020348	493	0.42	-0.02	-0.07	0.04	0.527903
<i>FABP4</i>	rs16909192	493	0.19	-0.02	-0.10	0.05	0.529000
<i>LPIN1</i>	rs893346	491	0.06	-0.03	-0.14	0.07	0.529940
<i>FABP1</i>	rs2970902	493	0.37	0.02	-0.04	0.07	0.530920
<i>CAV1</i>	rs1049337	493	0.27	0.02	-0.04	0.08	0.532825
<i>LPIN3</i>	rs6072343	492	0.14	-0.02	-0.10	0.05	0.533703
<i>LPL</i>	rs264	491	0.16	0.03	-0.05	0.11	0.534325
<i>BHLHE40</i>	rs2137947	493	0.21	0.02	-0.04	0.08	0.536911
<i>ATF6</i>	rs1136046	493	0.15	0.02	-0.05	0.10	0.538161
<i>LPL</i>	rs10099160	492	0.20	0.02	-0.05	0.09	0.548180
<i>ATF6</i>	rs10918092	487	0.36	0.02	-0.04	0.08	0.550053
<i>NR1I2</i>	rs1403527	493	0.18	0.02	-0.05	0.10	0.554008
<i>LPIN2</i>	rs661767	493	0.30	-0.02	-0.08	0.04	0.557658
<i>ADIPOQ</i>	rs17366568	493	0.14	-0.02	-0.11	0.06	0.558749
<i>LPIN2</i>	rs1164	493	0.19	0.02	-0.05	0.09	0.559175
<i>CAV1</i>	rs9920	493	0.10	0.03	-0.06	0.12	0.559572
<i>ATF6</i>	rs10737517	492	0.28	0.02	-0.04	0.08	0.564254
<i>MMP9</i>	rs3787268	493	0.21	0.02	-0.05	0.09	0.570170
<i>ATF6</i>	rs2499854	493	0.33	0.02	-0.04	0.07	0.593270
<i>PPARGC1A</i>	rs4361373	493	0.15	0.02	-0.05	0.09	0.596186
<i>LPIN3</i>	rs4812495	485	0.14	-0.02	-0.12	0.07	0.597452
<i>ADIPOQ</i>	rs1501299	493	0.28	0.02	-0.05	0.08	0.598727
<i>LPIN2</i>	rs625527	493	0.43	-0.01	-0.07	0.04	0.604744
<i>BHLHE40</i>	rs908078	493	0.17	-0.02	-0.09	0.05	0.604806
<i>PPARG</i>	rs1801282	493	0.13	0.03	-0.07	0.12	0.609317
<i>FABP1</i>	rs2919867	493	0.20	-0.02	-0.08	0.05	0.612337
<i>LPIN2</i>	rs7233117	493	0.30	0.02	-0.05	0.08	0.614000
<i>ADIPOQ</i>	rs12495941	493	0.37	-0.01	-0.07	0.04	0.617054
<i>ATF6</i>	rs10918215	493	0.30	0.01	-0.04	0.07	0.618896
<i>PPARGC1A</i>	rs13117172	493	0.19	-0.02	-0.09	0.05	0.619888
<i>LPL</i>	rs17410577	493	0.17	-0.02	-0.09	0.06	0.620272
<i>LPIN2</i>	rs10853287	493	0.12	-0.02	-0.10	0.06	0.622036
<i>LPIN2</i>	rs1985	493	0.31	-0.01	-0.07	0.04	0.630630
<i>FABP1</i>	rs2970903	493	0.11	-0.02	-0.10	0.06	0.632988
<i>PPARD</i>	rs4713854	493	0.07	-0.03	-0.17	0.11	0.642427
<i>PPARD</i>	rs7744392	492	0.05	0.03	-0.08	0.13	0.643072
<i>PPARG</i>	rs1797912	493	0.35	0.01	-0.04	0.07	0.643185
<i>LPIN2</i>	rs6506041	493	0.32	-0.01	-0.08	0.05	0.644728
<i>CTSS</i>	rs1136774	493	0.49	0.01	-0.04	0.07	0.648293
<i>ATF6</i>	rs2499851	493	0.31	-0.01	-0.07	0.05	0.650337
<i>PPARGC1A</i>	rs2932976	493	0.26	0.01	-0.05	0.08	0.655949
<i>LPIN1</i>	rs4669778	493	0.46	0.01	-0.04	0.07	0.656824
<i>FABP4</i>	rs10099756	493	0.30	0.01	-0.05	0.08	0.662398
<i>PPARGC1A</i>	rs12500214	493	0.22	-0.01	-0.08	0.05	0.665305
<i>BHLHE40</i>	rs11920786	492	0.15	-0.02	-0.09	0.06	0.678503
<i>LPL</i>	rs328	493	0.12	-0.02	-0.11	0.07	0.682190
<i>PPARG</i>	rs12629751	493	0.09	-0.02	-0.11	0.07	0.683553
<i>PPARG</i>	rs4135275	493	0.19	-0.01	-0.08	0.05	0.684233

<i>MTTP</i>	rs881980	493	0.14	0.02	-0.07	0.10	0.707857
<i>LPIN3</i>	rs6029636	493	0.26	0.01	-0.05	0.08	0.713431
<i>LPIN1</i>	rs1050800	493	0.16	0.01	-0.06	0.09	0.713920
<i>PPARG</i>	rs2972164	493	0.48	-0.01	-0.07	0.05	0.717243
<i>FABP4</i>	rs10109480	493	0.10	-0.02	-0.10	0.07	0.717642
<i>BHLHE40</i>	rs1467159	493	0.49	-0.01	-0.07	0.05	0.723130
<i>LPIN2</i>	rs607549	492	0.27	0.01	-0.05	0.08	0.726572
<i>CAV1</i>	rs3815412	493	0.25	0.01	-0.05	0.08	0.726608
<i>PPARG</i>	rs10865710	493	0.26	0.01	-0.05	0.08	0.727298
<i>LPL</i>	rs253	493	0.46	0.01	-0.05	0.07	0.731724
<i>PPARGC1A</i>	rs9996943	493	0.42	0.01	-0.05	0.07	0.735362
<i>NR1I2</i>	rs3732360	493	0.26	-0.01	-0.07	0.05	0.743586
<i>PPARGC1A</i>	rs3774923	479	0.04	-0.03	-0.18	0.13	0.744408
<i>PPARG</i>	rs17793693	493	0.10	0.01	-0.07	0.10	0.747640
<i>LPIN2</i>	rs9635812	493	0.28	-0.01	-0.07	0.05	0.747940
<i>PPARG</i>	rs10510419	492	0.16	-0.01	-0.09	0.07	0.749670
<i>PPARGC1A</i>	rs12374408	493	0.29	-0.01	-0.07	0.05	0.751057
<i>CEBPB</i>	rs2904254	493	0.17	-0.01	-0.09	0.07	0.751970
<i>NR1I2</i>	rs11926554	492	0.21	-0.01	-0.08	0.06	0.755387
<i>LPIN3</i>	rs4810312	489	0.41	-0.01	-0.07	0.05	0.755795
<i>LEP</i>	rs2278815	493	0.46	0.01	-0.05	0.06	0.758152
<i>MTTP</i>	rs2306985	493	0.37	-0.01	-0.07	0.05	0.760976
<i>ADRB2</i>	rs2400707	493	0.41	-0.01	-0.07	0.05	0.762514
<i>MLXIPL</i>	rs6967028	493	0.10	0.01	-0.08	0.11	0.766557
<i>ATF6</i>	rs1394070	493	0.14	0.01	-0.07	0.09	0.766562
<i>LPIN2</i>	rs4797092	493	0.08	-0.01	-0.11	0.08	0.767159
<i>PPARGC1A</i>	rs7682765	493	0.06	-0.02	-0.12	0.09	0.768229
<i>PPARGC1A</i>	rs2970848	493	0.33	0.01	-0.05	0.07	0.786308
<i>LEP</i>	rs2071045	493	0.24	-0.01	-0.07	0.05	0.800283
<i>PPARD</i>	rs6457816	492	0.09	0.01	-0.08	0.11	0.807722
<i>PPARG</i>	rs10510418	493	0.31	-0.01	-0.07	0.05	0.811093
<i>LPIN1</i>	rs2358126	493	0.46	-0.01	-0.07	0.05	0.813914
<i>BHLHE40</i>	rs1110261	491	0.21	-0.01	-0.08	0.07	0.816136
<i>LPIN2</i>	rs10438875	493	0.23	0.01	-0.06	0.08	0.819123
<i>CAV1</i>	rs4730751	493	0.28	0.01	-0.05	0.07	0.820597
<i>PPARG</i>	rs2120825	493	0.11	0.01	-0.09	0.12	0.825651
<i>LPIN1</i>	rs11695702	493	0.28	-0.01	-0.07	0.05	0.828990
<i>LPIN2</i>	rs1059281	492	0.29	-0.01	-0.07	0.05	0.835899
<i>MMP9</i>	rs3918253	483	0.44	-0.01	-0.07	0.05	0.848323
<i>LPIN3</i>	rs7263195	493	0.05	-0.01	-0.13	0.11	0.850024
<i>NR1I2</i>	rs3814055	493	0.38	-0.01	-0.07	0.05	0.851007
<i>PPARG</i>	rs12497191	490	0.14	-0.01	-0.08	0.07	0.858544
<i>ADIPOQ</i>	rs7649121	492	0.18	0.01	-0.07	0.09	0.859091
<i>PPARGC1A</i>	rs2970855	493	0.33	0.01	-0.05	0.06	0.859266
<i>CAV1</i>	rs8713	493	0.18	0.01	-0.07	0.08	0.860201
<i>BHLHE40</i>	rs11918262	493	0.18	0.01	-0.06	0.07	0.861111
<i>PPARGC1A</i>	rs4235308	492	0.41	-0.01	-0.06	0.05	0.862160
<i>PPARGC1A</i>	rs4469064	493	0.09	-0.01	-0.11	0.09	0.862516
<i>ATF6</i>	rs12079579	493	0.07	-0.01	-0.12	0.10	0.873459
<i>CAV1</i>	rs3807995	492	0.07	0.01	-0.10	0.12	0.875560
<i>ADIPOQ</i>	rs16861194	493	0.08	-0.01	-0.10	0.08	0.880123
<i>PPARD</i>	rs9658119	492	0.13	0.01	-0.08	0.09	0.880604

<i>LPIN3</i>	rs6065338	492	0.18	-0.01	-0.08	0.07	0.883341
<i>NR1I2</i>	rs1403526	493	0.29	0.00	-0.06	0.06	0.884592
<i>ATF6</i>	rs12086247	493	0.13	-0.01	-0.09	0.08	0.884926
<i>ATF6</i>	rs3795649	493	0.38	0.00	-0.05	0.06	0.894092
<i>ADRB2</i>	rs1042719	493	0.29	0.00	-0.06	0.07	0.899403
<i>PPARGC1A</i>	rs10002521	493	0.31	0.00	-0.06	0.06	0.902268
<i>LPIN2</i>	rs642926	493	0.34	0.00	-0.06	0.06	0.903271
<i>LPIN1</i>	rs10520097	493	0.16	0.00	-0.07	0.08	0.903790
<i>PPARG</i>	rs2938395	493	0.36	0.00	-0.07	0.06	0.905933
<i>MMP9</i>	rs17576	491	0.36	0.00	-0.07	0.06	0.906155
<i>ADIPOQ</i>	rs182052	493	0.36	0.00	-0.06	0.05	0.915735
<i>ATF6</i>	rs2134697	493	0.27	0.00	-0.07	0.06	0.917815
<i>BHLHE40</i>	rs11925620	493	0.04	0.01	-0.13	0.14	0.922014
<i>PPARGC1A</i>	rs2279525	467	0.29	0.00	-0.06	0.07	0.931366
<i>PPARGC1A</i>	rs7674429	493	0.17	0.00	-0.08	0.07	0.939889
<i>PPARG</i>	rs709157	493	0.29	0.00	-0.06	0.06	0.949064
<i>MMP9</i>	rs2250889	492	0.05	0.00	-0.13	0.14	0.951180
<i>LPIN3</i>	rs6029646	491	0.26	0.00	-0.07	0.06	0.951996
<i>ATF6</i>	rs3767635	493	0.31	0.00	-0.06	0.06	0.952428
<i>MTTP</i>	rs982424	493	0.06	0.00	-0.14	0.15	0.953076
<i>PPARGC1A</i>	rs8192678	493	0.35	0.00	-0.06	0.06	0.953932
<i>PPARG</i>	rs4135247	493	0.42	0.00	-0.06	0.06	0.955859
<i>FABP1</i>	rs1441644	492	0.29	0.00	-0.06	0.06	0.963386
<i>PPARD</i>	rs6902123	493	0.09	0.00	-0.10	0.10	0.965094
<i>FABP1</i>	rs2919871	492	0.27	0.00	-0.06	0.06	0.972772
<i>PPARGC1A</i>	rs1388332	493	0.08	0.00	-0.10	0.10	0.974066
<i>NR1I2</i>	rs16830505	493	0.12	0.00	-0.09	0.09	0.974865
<i>PPARGC1A</i>	rs3736265	493	0.07	0.00	-0.11	0.11	0.979653
<i>ATF6</i>	rs4657101	492	0.27	0.00	-0.06	0.06	0.987233
<i>LPIN2</i>	rs3819090	493	0.29	0.00	-0.06	0.06	0.991116
<i>LPIN3</i>	rs16985665	493	0.20	0.00	-0.07	0.07	0.991855
<i>PPARG</i>	rs13099634	491	0.19	0.00	-0.08	0.08	0.995168
<i>LPL</i>	rs283	492	0.20	0.00	-0.06	0.06	0.997609

Supplementary Table 4D. SNP main effect on triglycerides after 6 months *ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LPIN1</i>	rs4315495	486	0.42	0.19	0.09	0.30	0.000449
<i>FABP4</i>	rs16909192	486	0.19	0.26	0.11	0.41	0.000465
<i>LPIN2</i>	rs625527	486	0.43	0.18	0.07	0.28	0.001015
<i>LPIN1</i>	rs2577261	486	0.10	-0.31	-0.50	-0.11	0.002277
<i>LPIN2</i>	rs9635812	486	0.28	0.18	0.06	0.29	0.003306
<i>LPIN2</i>	rs661767	486	0.30	0.17	0.05	0.28	0.003694
<i>FABP4</i>	rs10099756	486	0.30	0.18	0.06	0.30	0.004579
<i>LPIN2</i>	rs3819090	486	0.29	0.16	0.05	0.28	0.006297
<i>LPIN1</i>	rs6726960	486	0.23	-0.17	-0.29	-0.04	0.007688
<i>BHLHE40</i>	rs1588794	486	0.10	0.23	0.05	0.41	0.010538
<i>PPARGC1A</i>	rs12500214	486	0.22	-0.15	-0.28	-0.02	0.020843
<i>NR1I2</i>	rs16830505	486	0.12	0.20	0.02	0.39	0.027236
<i>PPARD</i>	rs6457816	485	0.09	-0.20	-0.39	-0.02	0.030988
<i>LPIN2</i>	rs4570954	486	0.20	0.16	0.01	0.30	0.031118
<i>LEP</i>	rs2278815	486	0.46	-0.12	-0.23	-0.01	0.032661
<i>PPARD</i>	rs6902123	486	0.09	-0.21	-0.40	-0.02	0.032907
<i>PPARD</i>	rs4713854	486	0.07	0.30	0.02	0.57	0.033740
<i>LPIN2</i>	rs3745013	486	0.35	-0.11	-0.22	-0.01	0.035259
<i>LPIN2</i>	rs11665524	486	0.16	0.14	0.01	0.27	0.035415
<i>NR1I2</i>	rs3732360	486	0.26	0.12	0.01	0.23	0.036439
<i>LPIN2</i>	rs1985	486	0.31	-0.12	-0.24	-0.01	0.038175
<i>PPARG</i>	rs10865710	486	0.26	-0.13	-0.26	-0.01	0.041384
<i>NR1I2</i>	rs3732361	486	0.38	0.11	0.00	0.22	0.042325
<i>LPIN1</i>	rs2278513	486	0.45	-0.11	-0.22	0.00	0.043222
<i>ATF6</i>	rs10918092	480	0.36	0.12	0.00	0.23	0.045203
<i>ATF6</i>	rs3767635	486	0.31	0.12	0.00	0.23	0.046999
<i>BHLHE40</i>	rs11920786	485	0.15	-0.15	-0.29	0.00	0.047863
<i>MTTP</i>	rs17029213	486	0.03	0.27	-0.01	0.55	0.055832
<i>PPARD</i>	rs7744392	485	0.05	-0.20	-0.41	0.01	0.063035
<i>ATF6</i>	rs12079579	486	0.07	-0.20	-0.41	0.01	0.066910
<i>PPARG</i>	rs4135275	486	0.19	0.12	-0.01	0.24	0.069009
<i>PPARD</i>	rs2076169	486	0.10	0.18	-0.01	0.37	0.069679
<i>LPIN1</i>	rs10520097	486	0.16	0.14	-0.02	0.29	0.079482
<i>LPIN3</i>	rs7263195	486	0.05	-0.21	-0.44	0.03	0.083359
<i>ATF6</i>	rs4417044	486	0.25	-0.11	-0.23	0.02	0.086836
<i>LPL</i>	rs248	486	0.07	0.16	-0.02	0.35	0.087699
<i>MMP9</i>	rs2250889	485	0.05	-0.23	-0.49	0.04	0.089932
<i>GAA</i>	rs12452616	486	0.25	-0.10	-0.22	0.02	0.094422
<i>PPARGC1A</i>	rs3774923	473	0.04	-0.25	-0.55	0.04	0.094605
<i>PPARG</i>	rs1801282	486	0.13	-0.16	-0.35	0.03	0.095026
<i>LPIN2</i>	rs3934427	476	0.11	0.15	-0.03	0.33	0.097047
<i>MYC</i>	rs16902359	486	0.13	0.13	-0.02	0.29	0.098351
<i>LPIN2</i>	rs1059281	485	0.29	-0.10	-0.22	0.02	0.098931
<i>PPARD</i>	rs2267668	486	0.16	0.14	-0.03	0.30	0.108211
<i>PPARGC1A</i>	rs7674429	486	0.17	-0.12	-0.26	0.03	0.115135
<i>LEP</i>	rs2071045	486	0.24	0.10	-0.03	0.22	0.119929
<i>MTTP</i>	rs881980	486	0.14	0.13	-0.03	0.29	0.124393
<i>LPIN1</i>	rs13013930	486	0.25	0.10	-0.03	0.22	0.127715
<i>LPIN3</i>	rs6029636	486	0.26	0.10	-0.03	0.23	0.131191

<i>FABP1</i>	rs2919867	486	0.20	0.10	-0.03	0.23	0.132684
<i>MTTP</i>	rs2306985	486	0.37	0.09	-0.03	0.20	0.145334
<i>LPL</i>	rs328	486	0.12	-0.13	-0.30	0.05	0.151214
<i>BHLHE40</i>	rs1467159	486	0.49	-0.08	-0.20	0.03	0.152011
<i>PCK2</i>	rs11629199	486	0.10	0.13	-0.05	0.31	0.152318
<i>MTTP</i>	rs982424	486	0.06	-0.21	-0.51	0.08	0.154422
<i>LPIN3</i>	rs16985665	486	0.20	0.10	-0.04	0.25	0.160572
<i>ATF6</i>	rs1394070	486	0.14	-0.11	-0.26	0.04	0.163612
<i>CEBPB</i>	rs2904254	486	0.17	-0.11	-0.27	0.05	0.163716
<i>ATF6</i>	rs2499854	486	0.33	-0.08	-0.19	0.03	0.163916
<i>PCK2</i>	rs2759407	486	0.07	-0.13	-0.33	0.06	0.166615
<i>FABP1</i>	rs894194	486	0.24	-0.09	-0.22	0.04	0.166768
<i>LPIN2</i>	rs642926	486	0.34	0.08	-0.03	0.20	0.167714
<i>LPIN3</i>	rs4812495	478	0.14	0.13	-0.05	0.30	0.171056
<i>PPARG</i>	rs4135247	486	0.42	0.08	-0.03	0.19	0.176333
<i>LPIN1</i>	rs4669778	486	0.46	0.08	-0.04	0.19	0.189883
<i>ATF6</i>	rs7554023	486	0.19	0.10	-0.05	0.24	0.194677
<i>ADRB3</i>	rs4994	486	0.07	0.16	-0.08	0.41	0.196037
<i>BHLHE40</i>	rs908078	486	0.17	-0.09	-0.23	0.05	0.197622
<i>LPL</i>	rs316	486	0.13	0.10	-0.06	0.26	0.202312
<i>ADRB2</i>	rs1042719	486	0.29	-0.08	-0.20	0.04	0.207208
<i>ATF6</i>	rs2134697	486	0.27	-0.08	-0.20	0.05	0.219740
<i>ADRB2</i>	rs2400707	486	0.41	0.07	-0.04	0.18	0.224813
<i>ADRB3</i>	rs4998	485	0.06	0.15	-0.10	0.40	0.239170
<i>LPIN2</i>	rs10853287	486	0.12	0.10	-0.06	0.26	0.243115
<i>PPARGC1A</i>	rs13117172	486	0.19	-0.08	-0.23	0.06	0.248987
<i>PPARG</i>	rs12629751	486	0.09	-0.10	-0.28	0.07	0.250476
<i>LPIN2</i>	rs1164	486	0.19	0.08	-0.06	0.22	0.251026
<i>ADIPOQ</i>	rs16861194	486	0.08	0.10	-0.07	0.28	0.251148
<i>MTTP</i>	rs3828542	486	0.17	0.09	-0.06	0.24	0.253555
<i>LPIN2</i>	rs10438875	486	0.23	0.08	-0.06	0.21	0.257139
<i>ADRB3</i>	rs2071493	486	0.06	0.14	-0.11	0.39	0.257925
<i>PPARG</i>	rs2938395	486	0.36	-0.07	-0.19	0.05	0.258657
<i>ADRB3</i>	rs4997	485	0.06	0.14	-0.11	0.39	0.260975
<i>LPL</i>	rs264	484	0.16	-0.09	-0.25	0.07	0.262561
<i>ADIPOQ</i>	rs7649121	485	0.18	-0.09	-0.24	0.07	0.266290
<i>APP</i>	rs2234983	486	0.19	-0.08	-0.21	0.06	0.267825
<i>PPARGC1A</i>	rs4469064	486	0.09	0.11	-0.08	0.30	0.269266
<i>FABP1</i>	rs2241883	486	0.33	-0.06	-0.17	0.05	0.275212
<i>PPARG</i>	rs12497191	483	0.14	-0.09	-0.24	0.07	0.275915
<i>PPARD</i>	rs9658119	485	0.13	-0.09	-0.25	0.07	0.277078
<i>PPARGC1A</i>	rs2970855	486	0.33	0.06	-0.05	0.18	0.277356
<i>LPIN2</i>	rs7233117	486	0.30	-0.07	-0.19	0.06	0.294313
<i>PPARGC1A</i>	rs10002521	486	0.31	0.06	-0.06	0.18	0.302605
<i>ATF6</i>	rs12026254	484	0.11	-0.09	-0.26	0.08	0.316748
<i>CAV1</i>	rs3807989	486	0.41	0.06	-0.06	0.18	0.320418
<i>LPIN1</i>	rs2358126	486	0.46	0.06	-0.06	0.18	0.321103
<i>PPARGC1A</i>	rs6850464	486	0.14	-0.09	-0.26	0.09	0.332641
<i>LPIN3</i>	rs12625565	484	0.22	-0.07	-0.20	0.07	0.333275
<i>ATF6</i>	rs4657100	486	0.11	-0.08	-0.25	0.09	0.342041
<i>ATF6</i>	rs4657110	486	0.11	-0.08	-0.25	0.09	0.342815
<i>ATF6</i>	rs6670606	486	0.11	-0.08	-0.25	0.09	0.342815

<i>MTTP</i>	rs1057613	486	0.49	0.05	-0.06	0.16	0.345109
<i>ATF6</i>	rs12032568	484	0.11	-0.08	-0.25	0.09	0.347714
<i>PPARGC1A</i>	rs4235308	485	0.41	-0.05	-0.17	0.06	0.356075
<i>PPARGC1A</i>	rs2970848	486	0.33	-0.05	-0.17	0.06	0.356236
<i>LEP</i>	rs11760956	477	0.38	-0.05	-0.17	0.06	0.358970
<i>PPARG</i>	rs13099634	484	0.19	-0.07	-0.22	0.08	0.363091
<i>LPINI</i>	rs893346	484	0.06	-0.10	-0.30	0.11	0.363836
<i>PPARGC1A</i>	rs10213440	481	0.17	-0.07	-0.24	0.09	0.372637
<i>PPARGC1A</i>	rs2305681	485	0.05	0.12	-0.15	0.39	0.373540
<i>PPARGC1A</i>	rs17637318	486	0.28	0.05	-0.07	0.18	0.386883
<i>LPL</i>	rs3779788	486	0.16	-0.07	-0.22	0.09	0.390610
<i>PPARGC1A</i>	rs11734408	486	0.28	0.05	-0.07	0.18	0.397389
<i>CAVI</i>	rs959173	486	0.16	0.07	-0.09	0.22	0.397539
<i>ATF6</i>	rs3795649	486	0.38	0.05	-0.06	0.16	0.398787
<i>PPARGC1A</i>	rs4361373	486	0.15	0.07	-0.09	0.22	0.401230
<i>LPIN3</i>	rs4810312	482	0.41	0.05	-0.07	0.16	0.404739
<i>PPARG</i>	rs7650895	486	0.19	-0.06	-0.21	0.09	0.409115
<i>PPARGC1A</i>	rs7665116	481	0.13	0.07	-0.10	0.23	0.415193
<i>ADIPOQ</i>	rs182052	486	0.36	0.05	-0.07	0.16	0.422775
<i>PPARGC1A</i>	rs7657071	486	0.30	0.05	-0.07	0.17	0.436785
<i>PPARGC1A</i>	rs2970870	486	0.42	-0.04	-0.15	0.06	0.442436
<i>BHLHE40</i>	rs1110261	484	0.21	-0.06	-0.20	0.09	0.445976
<i>LPL</i>	rs13702	486	0.33	0.04	-0.07	0.16	0.447484
<i>ATF6</i>	rs9482	486	0.30	-0.04	-0.16	0.07	0.449647
<i>PPARG</i>	rs10510419	485	0.16	-0.06	-0.21	0.10	0.461297
<i>ATF6</i>	rs12044770	484	0.09	-0.07	-0.24	0.11	0.463960
<i>ATF6</i>	rs1135983	486	0.09	-0.07	-0.24	0.11	0.470227
<i>ATF6</i>	rs6695284	486	0.09	-0.07	-0.24	0.11	0.470227
<i>LPL</i>	rs2197089	486	0.44	-0.04	-0.15	0.07	0.470444
<i>PPARGC1A</i>	rs2279525	462	0.29	0.05	-0.08	0.17	0.471320
<i>BHLHE40</i>	rs11130215	486	0.19	-0.05	-0.18	0.08	0.474708
<i>NR1I2</i>	rs11926554	485	0.21	-0.05	-0.20	0.09	0.475290
<i>CAVI</i>	rs3807995	485	0.07	0.08	-0.14	0.30	0.476824
<i>PPARGC1A</i>	rs2970853	486	0.23	0.05	-0.09	0.20	0.479098
<i>ADIPOQ</i>	rs17366568	486	0.14	0.06	-0.11	0.22	0.480936
<i>ATF6</i>	rs10737517	485	0.28	-0.04	-0.16	0.08	0.481389
<i>ADIPOQ</i>	rs822387	486	0.07	-0.07	-0.27	0.13	0.484699
<i>ATF6</i>	rs1417580	486	0.45	-0.04	-0.16	0.07	0.487064
<i>LPL</i>	rs253	486	0.46	0.04	-0.07	0.15	0.488833
<i>PPARG</i>	rs3856806	486	0.12	-0.06	-0.24	0.12	0.496468
<i>ATF6</i>	rs10918215	486	0.30	-0.04	-0.15	0.07	0.498799
<i>PPARGC1A</i>	rs8192678	486	0.35	-0.04	-0.16	0.08	0.499928
<i>MTTP</i>	rs3816873	486	0.28	-0.04	-0.17	0.08	0.502442
<i>APP</i>	rs216762	485	0.48	0.03	-0.06	0.13	0.502871
<i>LPL</i>	rs17410577	486	0.17	-0.05	-0.20	0.10	0.504641
<i>MMP9</i>	rs3918253	476	0.44	-0.04	-0.16	0.08	0.517391
<i>LPL</i>	rs249	486	0.09	-0.06	-0.23	0.12	0.517590
<i>CAVI</i>	rs2052106	484	0.34	0.04	-0.08	0.16	0.517987
<i>TUB</i>	rs2141322	486	0.21	-0.04	-0.18	0.09	0.523150
<i>ATF6</i>	rs4657101	485	0.27	0.04	-0.08	0.16	0.523830
<i>LPL</i>	rs270	486	0.14	-0.05	-0.21	0.11	0.525389
<i>CAVI</i>	rs9920	486	0.10	0.06	-0.12	0.24	0.530619

<i>ADRB2</i>	rs1042713	486	0.39	-0.04	-0.16	0.08	0.531818
<i>LEP</i>	rs7788818	486	0.06	-0.07	-0.30	0.16	0.537760
<i>LPL</i>	rs1534649	485	0.42	-0.03	-0.15	0.08	0.543479
<i>PPARGC1A</i>	rs2932976	486	0.26	-0.04	-0.16	0.08	0.544028
<i>ATF6</i>	rs2271012	475	0.09	-0.06	-0.24	0.13	0.546235
<i>LPIN1</i>	rs11695702	486	0.28	0.04	-0.08	0.16	0.548817
<i>PPARG</i>	rs709157	486	0.29	-0.04	-0.16	0.09	0.574400
<i>LEP</i>	rs11763517	486	0.50	-0.03	-0.15	0.08	0.592399
<i>ADIPOQ</i>	rs12495941	486	0.37	0.03	-0.08	0.13	0.603778
<i>PPARG</i>	rs10510418	486	0.31	0.03	-0.09	0.15	0.610744
<i>FNTA</i>	rs13282019	486	0.05	-0.06	-0.31	0.18	0.623236
<i>CAV1</i>	rs3779512	486	0.44	0.03	-0.08	0.14	0.628890
<i>NR1I2</i>	rs1403526	486	0.29	-0.03	-0.15	0.09	0.633552
<i>CAV1</i>	rs3815412	486	0.25	0.03	-0.10	0.16	0.634836
<i>PPARGC1A</i>	rs9996943	486	0.42	0.03	-0.09	0.15	0.638924
<i>NR1I2</i>	rs1403527	486	0.18	0.04	-0.12	0.19	0.642287
<i>ADIPOQ</i>	rs3821799	486	0.47	-0.02	-0.13	0.08	0.661943
<i>PPARGC1A</i>	rs7682765	486	0.06	-0.05	-0.26	0.17	0.663085
<i>PCK2</i>	rs2071586	474	0.24	-0.03	-0.15	0.09	0.666585
<i>LPIN1</i>	rs3795974	486	0.40	0.03	-0.09	0.14	0.673888
<i>PCK2</i>	rs9783666	484	0.06	-0.04	-0.24	0.16	0.698841
<i>PPARG</i>	rs17793693	486	0.10	-0.03	-0.20	0.13	0.700363
<i>ATF6</i>	rs1136046	486	0.15	0.03	-0.12	0.18	0.702633
<i>LPIN3</i>	rs6065338	485	0.18	0.03	-0.12	0.17	0.713347
<i>PPARGC1A</i>	rs3736265	486	0.07	-0.04	-0.25	0.18	0.726041
<i>NR1I2</i>	rs2461823	486	0.35	0.02	-0.10	0.14	0.726356
<i>FABP4</i>	rs10109480	486	0.10	0.03	-0.14	0.20	0.726872
<i>CEBPB</i>	rs6020348	486	0.42	0.02	-0.09	0.13	0.732306
<i>LPIN2</i>	rs607549	485	0.27	-0.02	-0.15	0.11	0.732860
<i>ATF6</i>	rs12130299	486	0.25	-0.02	-0.15	0.11	0.735376
<i>PPARGC1A</i>	rs4697426	486	0.23	-0.02	-0.15	0.11	0.736559
<i>ADIPOQ</i>	rs2241767	486	0.13	-0.03	-0.19	0.14	0.746730
<i>ADIPOQ</i>	rs2241766	486	0.13	-0.03	-0.19	0.14	0.747044
<i>PPARG</i>	rs2120825	486	0.11	0.03	-0.18	0.24	0.758004
<i>CAV1</i>	rs4730751	486	0.28	-0.02	-0.14	0.10	0.760200
<i>PPARGC1A</i>	rs2970847	486	0.17	0.02	-0.13	0.18	0.767714
<i>LPIN2</i>	rs6506041	486	0.32	-0.02	-0.14	0.11	0.768299
<i>LPIN1</i>	rs2577264	485	0.40	0.02	-0.11	0.14	0.778504
<i>LPIN3</i>	rs6029646	484	0.26	0.02	-0.11	0.14	0.805691
<i>PPARG</i>	rs1797912	486	0.35	-0.01	-0.13	0.10	0.807361
<i>MMP9</i>	rs17576	484	0.36	0.02	-0.11	0.14	0.810098
<i>MMP9</i>	rs3787268	486	0.21	0.02	-0.12	0.16	0.810733
<i>ATF6</i>	rs12086247	486	0.13	-0.02	-0.19	0.15	0.813528
<i>LPIN3</i>	rs6072343	485	0.14	0.02	-0.14	0.17	0.815000
<i>MLXIPL</i>	rs6967028	486	0.10	-0.02	-0.20	0.16	0.815808
<i>LPIN1</i>	rs1050800	486	0.16	-0.02	-0.16	0.13	0.816335
<i>PPARD</i>	rs2038068	485	0.24	0.02	-0.12	0.15	0.824479
<i>PPARGC1A</i>	rs2970869	486	0.22	-0.02	-0.15	0.12	0.827669
<i>PPARGC1A</i>	rs7437482	486	0.35	-0.01	-0.14	0.11	0.829967
<i>FABP1</i>	rs2970903	486	0.11	0.02	-0.15	0.19	0.832113
<i>PPARD</i>	rs11751895	486	0.03	0.04	-0.32	0.40	0.836729
<i>ADIPOQ</i>	rs1501299	486	0.28	0.01	-0.11	0.14	0.838546

<i>LPIN1</i>	rs2577256	486	0.48	0.01	-0.10	0.12	0.848301
<i>FABP1</i>	rs1441644	485	0.29	0.01	-0.11	0.14	0.854692
<i>CAV1</i>	rs926198	484	0.37	0.01	-0.10	0.12	0.862689
<i>CNTNAP2</i>	rs7800227	486	0.35	0.01	-0.10	0.12	0.864676
<i>MLXIPL</i>	rs1051921	483	0.16	-0.01	-0.14	0.12	0.872737
<i>PPARGC1A</i>	rs12374408	486	0.29	0.01	-0.12	0.14	0.875520
<i>CAV1</i>	rs1049337	486	0.27	-0.01	-0.13	0.11	0.877398
<i>ATF6</i>	rs1058405	486	0.26	-0.01	-0.13	0.11	0.881718
<i>BHLHE40</i>	rs2137947	486	0.21	0.01	-0.11	0.13	0.887502
<i>LPIN1</i>	rs893349	486	0.43	-0.01	-0.12	0.11	0.891264
<i>PPARG</i>	rs4135268	486	0.07	0.01	-0.20	0.23	0.891711
<i>ATF6</i>	rs2499851	486	0.31	0.01	-0.11	0.13	0.899552
<i>CTSS</i>	rs10888390	486	0.36	0.01	-0.11	0.13	0.907741
<i>FABP1</i>	rs2970902	486	0.37	0.01	-0.11	0.12	0.911395
<i>ADIPOQ</i>	rs822396	486	0.17	-0.01	-0.15	0.13	0.914729
<i>BHLHE40</i>	rs11918262	486	0.18	-0.01	-0.14	0.13	0.916028
<i>CAV1</i>	rs8713	486	0.18	0.01	-0.14	0.16	0.919412
<i>NR1I2</i>	rs3814055	486	0.38	-0.01	-0.12	0.11	0.920109
<i>PPARGC1A</i>	rs2946385	486	0.42	-0.01	-0.11	0.10	0.924634
<i>FNTA</i>	rs10958736	486	0.11	-0.01	-0.18	0.16	0.928200
<i>CTSS</i>	rs11576175	486	0.11	-0.01	-0.18	0.16	0.931846
<i>LPIN2</i>	rs4797092	486	0.08	0.01	-0.17	0.19	0.940522
<i>PPARGC1A</i>	rs3774921	486	0.46	0.00	-0.12	0.11	0.945366
<i>PCK2</i>	rs1951634	486	0.28	0.00	-0.12	0.13	0.951334
<i>NR1I2</i>	rs1054190	486	0.12	0.00	-0.16	0.17	0.954804
<i>FABP1</i>	rs2919871	485	0.27	0.00	-0.12	0.12	0.955613
<i>CEBPB</i>	rs4253449	486	0.05	-0.01	-0.28	0.27	0.961988
<i>BHLHE40</i>	rs11925620	486	0.04	0.01	-0.27	0.28	0.963570
<i>PPARG</i>	rs2972164	486	0.48	0.00	-0.11	0.11	0.968811
<i>LPL</i>	rs10099160	485	0.20	0.00	-0.13	0.14	0.970607
<i>LPL</i>	rs283	485	0.20	0.00	-0.12	0.13	0.973540
<i>LPIN1</i>	rs11524	486	0.12	0.00	-0.17	0.17	0.975392
<i>MLXIPL</i>	rs7798357	486	0.26	0.00	-0.12	0.12	0.978059
<i>ADIPOQ</i>	rs3774261	486	0.41	0.00	-0.11	0.11	0.981403
<i>MTTP</i>	rs2035816	486	0.10	0.00	-0.20	0.20	0.982090
<i>PPARGC1A</i>	rs1388332	486	0.08	0.00	-0.19	0.19	0.987351
<i>LPL</i>	rs285	486	0.49	0.00	-0.11	0.11	0.995195
<i>LPIN2</i>	rs11661932	486	0.10	0.00	-0.18	0.18	0.997078

Data are given as regression coefficient (B) with lower (L95%CI) and upper (U95%CI) 95% confidence intervals. P-values were derived using linear regression. The gene denotes the locus with the closest proximity to the single nucleotide polymorphism (SNP). N, number of observations; MAF, minor allele frequency.

Supplementary Table 5A. SNP-Protein interaction effects on total cholesterol over 6 months
ad libitum diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LPIN2</i>	rs661767	491	0.30	-0.28	-0.50	-0.07	0.008863
<i>LPIN3</i>	rs16985665	491	0.20	-0.32	-0.57	-0.08	0.009343
<i>ADIPOQ</i>	rs822387	491	0.07	-0.49	-0.87	-0.10	0.012967
<i>LPIN2</i>	rs625527	491	0.43	-0.25	-0.44	-0.05	0.013121
<i>LEP</i>	rs11763517	491	0.50	0.25	0.05	0.45	0.015659
<i>LPIN1</i>	rs10520097	491	0.16	-0.32	-0.59	-0.05	0.019043
<i>CEBPB</i>	rs2904254	491	0.17	-0.32	-0.60	-0.03	0.028447
<i>PPARG</i>	rs4135247	491	0.42	-0.22	-0.42	-0.02	0.034933
<i>LEP</i>	rs7788818	491	0.06	-0.43	-0.84	-0.02	0.038963
<i>PPARGC1A</i>	rs3774923	477	0.04	0.58	0.03	1.13	0.039976
<i>PPARGC1A</i>	rs6850464	491	0.14	-0.32	-0.62	-0.01	0.040532
<i>ADRB2</i>	rs1042719	491	0.29	-0.23	-0.46	-0.01	0.043480
<i>PPARGC1A</i>	rs7682765	491	0.06	0.38	-0.02	0.77	0.059969
<i>PPARG</i>	rs10510418	491	0.31	0.20	-0.01	0.41	0.066430
<i>LPIN2</i>	rs4570954	491	0.20	-0.23	-0.48	0.02	0.070176
<i>ADIPOQ</i>	rs822396	491	0.17	0.23	-0.02	0.49	0.073231
<i>LPIN3</i>	rs4812495	483	0.14	-0.28	-0.58	0.03	0.073280
<i>LPIN3</i>	rs6029636	491	0.26	-0.20	-0.42	0.02	0.076406
<i>ATF6</i>	rs2499854	491	0.33	0.18	-0.02	0.39	0.079357
<i>LPIN1</i>	rs13013930	491	0.25	0.20	-0.03	0.42	0.089302
<i>LPL</i>	rs10099160	490	0.20	-0.20	-0.44	0.03	0.090198
<i>LPIN3</i>	rs6029646	489	0.26	-0.18	-0.40	0.03	0.097667
<i>LPIN2</i>	rs3819090	491	0.29	-0.18	-0.39	0.04	0.103699
<i>ADIPOQ</i>	rs7649121	490	0.18	0.20	-0.05	0.46	0.120423
<i>PPARGC1A</i>	rs4697426	491	0.23	0.19	-0.05	0.44	0.123517
<i>LPL</i>	rs285	491	0.49	-0.15	-0.35	0.04	0.128316
<i>LPL</i>	rs270	491	0.14	-0.21	-0.48	0.06	0.128420
<i>LEP</i>	rs11760956	482	0.38	0.16	-0.05	0.37	0.130831
<i>LPIN2</i>	rs4797092	491	0.08	0.27	-0.08	0.63	0.131104
<i>MMP9</i>	rs3918253	481	0.44	0.16	-0.05	0.38	0.133988
<i>ADIPOQ</i>	rs182052	491	0.36	0.15	-0.05	0.35	0.135900
<i>ATF6</i>	rs10737517	490	0.28	0.16	-0.05	0.37	0.137347
<i>ADRB3</i>	rs4994	491	0.07	-0.29	-0.69	0.10	0.141937
<i>PPARG</i>	rs2938395	491	0.36	0.16	-0.06	0.38	0.144055
<i>MMP9</i>	rs2250889	490	0.05	0.37	-0.13	0.86	0.145052
<i>LPIN2</i>	rs7233117	491	0.30	0.17	-0.06	0.40	0.145811
<i>LEP</i>	rs2071045	491	0.24	0.17	-0.06	0.41	0.146904
<i>LPIN2</i>	rs9635812	491	0.28	-0.16	-0.38	0.06	0.147739
<i>ATF6</i>	rs10918215	491	0.30	0.15	-0.05	0.35	0.148755
<i>LPIN3</i>	rs12625565	489	0.22	0.17	-0.07	0.41	0.161847
<i>ATF6</i>	rs1136046	491	0.15	0.19	-0.08	0.46	0.163176
<i>PPARGC1A</i>	rs4361373	491	0.15	-0.19	-0.45	0.08	0.163178
<i>ATF6</i>	rs9482	491	0.30	0.14	-0.06	0.35	0.163223
<i>PPARG</i>	rs2972164	491	0.48	0.14	-0.06	0.34	0.164263
<i>LPIN2</i>	rs1164	491	0.19	0.16	-0.08	0.41	0.183269
<i>LPL</i>	rs328	491	0.12	0.22	-0.10	0.53	0.184358
<i>PPARG</i>	rs4135275	491	0.19	-0.17	-0.42	0.08	0.188563

<i>PPARD</i>	rs2076169	491	0.10	0.24	-0.12	0.61	0.191294
<i>MLXIPL</i>	rs6967028	491	0.10	-0.22	-0.56	0.11	0.191868
<i>LPIN2</i>	rs3934427	480	0.11	-0.21	-0.52	0.11	0.196975
<i>BHLHE40</i>	rs11925620	491	0.04	0.31	-0.17	0.78	0.202768
<i>LPIN2</i>	rs11665524	491	0.16	-0.16	-0.42	0.09	0.203364
<i>LPL</i>	rs248	491	0.07	-0.27	-0.68	0.15	0.205721
<i>PPARD</i>	rs2038068	490	0.24	0.16	-0.09	0.41	0.206913
<i>ADRB2</i>	rs2400707	491	0.41	0.13	-0.07	0.34	0.207085
<i>ADRB3</i>	rs2071493	491	0.06	-0.25	-0.64	0.14	0.211352
<i>ADRB3</i>	rs4997	490	0.06	-0.25	-0.64	0.15	0.222277
<i>MTTP</i>	rs982424	491	0.06	0.28	-0.17	0.74	0.223488
<i>MTTP</i>	rs881980	491	0.14	-0.17	-0.45	0.11	0.227179
<i>LPL</i>	rs2197089	491	0.44	0.12	-0.08	0.32	0.227896
<i>LPL</i>	rs283	490	0.20	-0.14	-0.38	0.09	0.230096
<i>ATF6</i>	rs1058405	491	0.26	-0.13	-0.35	0.08	0.234172
<i>BHLHE40</i>	rs2137947	491	0.21	-0.13	-0.36	0.09	0.235381
<i>PPARGC1A</i>	rs2970847	491	0.17	-0.15	-0.41	0.11	0.248618
<i>ATF6</i>	rs12086247	491	0.13	0.17	-0.13	0.47	0.258227
<i>PPARGC1A</i>	rs1388332	491	0.08	0.20	-0.15	0.55	0.263125
<i>NR1I2</i>	rs3732360	491	0.26	0.13	-0.10	0.35	0.263796
<i>ADRB3</i>	rs4998	490	0.06	-0.22	-0.62	0.17	0.269614
<i>LPIN2</i>	rs1059281	490	0.29	0.12	-0.09	0.33	0.272612
<i>PPARGC1A</i>	rs2279525	466	0.29	0.13	-0.10	0.36	0.272747
<i>MTTP</i>	rs3828542	491	0.17	-0.15	-0.41	0.12	0.273129
<i>MTTP</i>	rs1032355	491	0.19	0.14	-0.11	0.40	0.275652
<i>LPIN2</i>	rs1985	491	0.31	0.11	-0.10	0.32	0.288386
<i>LPL</i>	rs253	491	0.46	-0.11	-0.31	0.09	0.289415
<i>PPARG</i>	rs709157	491	0.29	0.12	-0.10	0.34	0.292324
<i>ADIPOQ</i>	rs3821799	491	0.47	-0.10	-0.29	0.09	0.292560
<i>ADIPOQ</i>	rs1501299	491	0.28	-0.12	-0.35	0.11	0.293632
<i>PPARGC1A</i>	rs7437482	491	0.35	-0.11	-0.33	0.10	0.297261
<i>LPIN1</i>	rs2358126	491	0.46	-0.11	-0.31	0.10	0.298582
<i>ADIPOQ</i>	rs2241767	491	0.13	0.16	-0.14	0.46	0.299850
<i>PPARGC1A</i>	rs2970869	491	0.22	-0.12	-0.36	0.11	0.308234
<i>PPARGC1A</i>	rs7665116	486	0.13	0.16	-0.15	0.46	0.308787
<i>ATF6</i>	rs2499851	491	0.31	-0.11	-0.32	0.10	0.310541
<i>PCK2</i>	rs11629199	491	0.10	-0.17	-0.49	0.16	0.312541
<i>LPIN3</i>	rs6065338	490	0.18	0.14	-0.13	0.40	0.313414
<i>MTTP</i>	rs2035816	491	0.10	0.18	-0.17	0.53	0.320245
<i>PPARGC1A</i>	rs12500214	491	0.22	0.12	-0.12	0.37	0.321459
<i>PPARD</i>	rs11751895	491	0.03	-0.36	-1.07	0.35	0.324599
<i>PPARGC1A</i>	rs10213440	486	0.17	-0.14	-0.42	0.14	0.328900
<i>ADIPOQ</i>	rs16861194	491	0.08	0.17	-0.17	0.51	0.331051
<i>PPARGC1A</i>	rs2970848	491	0.33	0.11	-0.11	0.32	0.331584
<i>NR1I2</i>	rs11926554	490	0.21	0.12	-0.12	0.36	0.337239
<i>ATF6</i>	rs2134697	491	0.27	0.11	-0.12	0.33	0.343745
<i>ATF6</i>	rs4417044	491	0.25	0.11	-0.11	0.33	0.344004
<i>LPL</i>	rs316	491	0.13	-0.15	-0.46	0.16	0.348720
<i>CEBPB</i>	rs4253449	491	0.05	0.23	-0.26	0.71	0.360298
<i>PPARGC1A</i>	rs3736265	491	0.07	0.18	-0.20	0.56	0.361427
<i>MTTP</i>	rs17029213	491	0.03	0.27	-0.31	0.85	0.365794
<i>FNTA</i>	rs13282019	491	0.05	-0.19	-0.62	0.23	0.366705

<i>LPL</i>	rs1534649	490	0.42	-0.09	-0.30	0.11	0.369354
<i>NR1I2</i>	rs1054190	491	0.12	-0.13	-0.43	0.16	0.372567
<i>LPIN1</i>	rs2577264	490	0.40	0.09	-0.12	0.30	0.377300
<i>LPL</i>	rs264	489	0.16	0.12	-0.15	0.40	0.378887
<i>CTSS</i>	rs10888390	491	0.36	0.10	-0.12	0.31	0.384781
<i>LPIN3</i>	rs4810312	487	0.41	-0.09	-0.29	0.11	0.384788
<i>CTSS</i>	rs7511673	491	0.39	0.09	-0.12	0.30	0.385917
<i>PPARG</i>	rs12629751	491	0.09	-0.15	-0.51	0.20	0.395966
<i>PPARGCIA</i>	rs2970870	491	0.42	0.09	-0.12	0.29	0.402494
<i>PPARG</i>	rs7650895	491	0.19	0.11	-0.15	0.37	0.406929
<i>PPARG</i>	rs1797912	491	0.35	0.09	-0.12	0.30	0.409289
<i>PPARGCIA</i>	rs4469064	491	0.09	-0.15	-0.53	0.22	0.415638
<i>BHLHE40</i>	rs11130215	491	0.19	0.10	-0.14	0.34	0.416707
<i>FABP1</i>	rs2970902	491	0.37	-0.08	-0.29	0.12	0.418954
<i>PPARD</i>	rs6457816	490	0.09	0.14	-0.21	0.49	0.424188
<i>LPIN2</i>	rs10438875	491	0.23	0.10	-0.15	0.35	0.427724
<i>LPIN3</i>	rs7263195	491	0.05	0.17	-0.26	0.60	0.445452
<i>PPARGCIA</i>	rs2946385	491	0.42	0.07	-0.12	0.27	0.451554
<i>NR1I2</i>	rs1403527	491	0.18	-0.10	-0.38	0.17	0.455228
<i>PPARGCIA</i>	rs7657071	491	0.30	0.08	-0.14	0.31	0.459018
<i>BHLHE40</i>	rs1588794	491	0.10	-0.12	-0.46	0.21	0.463344
<i>PPARG</i>	rs10510419	490	0.16	0.10	-0.17	0.37	0.467168
<i>LPIN1</i>	rs2278513	491	0.45	0.07	-0.12	0.27	0.468194
<i>FABP4</i>	rs16909192	491	0.19	-0.10	-0.37	0.17	0.473503
<i>FABP1</i>	rs894194	491	0.24	0.08	-0.15	0.32	0.490698
<i>FABP1</i>	rs2919871	490	0.27	-0.08	-0.30	0.15	0.499048
<i>PPARD</i>	rs2267668	491	0.16	0.10	-0.19	0.39	0.502472
<i>LPIN2</i>	rs6506041	491	0.32	0.07	-0.15	0.29	0.515076
<i>LPIN1</i>	rs4669778	491	0.46	-0.07	-0.27	0.13	0.515358
<i>ADIPOQ</i>	rs12495941	491	0.37	-0.07	-0.27	0.14	0.529072
<i>PCK2</i>	rs1951634	491	0.28	0.07	-0.15	0.30	0.530035
<i>PPARGCIA</i>	rs12374408	491	0.29	0.07	-0.16	0.30	0.537942
<i>PPARGCIA</i>	rs2932976	491	0.26	0.07	-0.16	0.30	0.547871
<i>LPIN1</i>	rs893349	491	0.43	0.06	-0.14	0.26	0.548570
<i>PPARGCIA</i>	rs9996943	491	0.42	-0.06	-0.26	0.14	0.549981
<i>PPARGCIA</i>	rs4235308	490	0.41	0.06	-0.14	0.27	0.550443
<i>CTSS</i>	rs11576175	491	0.11	0.10	-0.23	0.43	0.556891
<i>ATF6</i>	rs4657101	490	0.27	0.07	-0.16	0.29	0.559342
<i>LPIN1</i>	rs1050800	491	0.16	-0.08	-0.36	0.20	0.562391
<i>CAV1</i>	rs3815412	491	0.25	0.07	-0.16	0.29	0.565600
<i>LPIN1</i>	rs11695702	491	0.28	0.06	-0.15	0.28	0.566617
<i>NR1I2</i>	rs2461823	491	0.35	-0.06	-0.27	0.15	0.566650
<i>BHLHE40</i>	rs1467159	491	0.49	-0.06	-0.26	0.14	0.568412
<i>LPIN2</i>	rs11661932	491	0.10	-0.10	-0.44	0.24	0.575509
<i>MMP9</i>	rs17576	489	0.36	0.06	-0.15	0.28	0.575849
<i>ATF6</i>	rs12032568	489	0.11	0.09	-0.22	0.40	0.575882
<i>PPARGCIA</i>	rs10002521	491	0.31	0.06	-0.16	0.28	0.576355
<i>CAV1</i>	rs3807989	491	0.41	0.06	-0.15	0.26	0.578570
<i>LPL</i>	rs17410577	491	0.17	-0.07	-0.33	0.18	0.580302
<i>ATF6</i>	rs4657100	491	0.11	0.09	-0.22	0.40	0.581948
<i>ATF6</i>	rs4657110	491	0.11	0.09	-0.22	0.40	0.582333
<i>ATF6</i>	rs6670606	491	0.11	0.09	-0.22	0.40	0.582333

<i>LPIN2</i>	rs607549	490	0.27	-0.06	-0.28	0.16	0.584162
<i>ATF6</i>	rs12026254	489	0.11	0.09	-0.23	0.40	0.586673
<i>PCK2</i>	rs9783666	489	0.06	-0.11	-0.50	0.28	0.586835
<i>ATF6</i>	rs12130299	491	0.25	-0.06	-0.28	0.16	0.588895
<i>PPARGC1A</i>	rs2970853	491	0.23	-0.06	-0.30	0.17	0.594994
<i>BHLHE40</i>	rs11918262	491	0.18	-0.07	-0.31	0.18	0.595355
<i>MLXIPL</i>	rs1051921	488	0.16	0.07	-0.19	0.32	0.596862
<i>CAV1</i>	rs3779512	491	0.44	0.05	-0.15	0.26	0.603175
<i>LEP</i>	rs2278815	491	0.46	0.05	-0.15	0.25	0.603526
<i>LPIN1</i>	rs2577261	491	0.10	0.09	-0.25	0.42	0.606494
<i>PPARGC1A</i>	rs2305681	490	0.05	0.13	-0.37	0.63	0.616578
<i>LPIN1</i>	rs2577256	491	0.48	0.05	-0.15	0.25	0.621341
<i>ATF6</i>	rs12044770	489	0.09	0.08	-0.25	0.41	0.621582
<i>ATF6</i>	rs1135983	491	0.09	0.08	-0.25	0.41	0.625151
<i>ATF6</i>	rs6695284	491	0.09	0.08	-0.25	0.41	0.625151
<i>PPARG</i>	rs4135268	491	0.07	0.10	-0.30	0.50	0.631975
<i>CAV1</i>	rs8713	491	0.18	0.06	-0.20	0.32	0.641687
<i>PPARGC1A</i>	rs2970855	491	0.33	0.05	-0.15	0.25	0.645137
<i>FABP1</i>	rs2241883	491	0.33	0.05	-0.16	0.26	0.645953
<i>ATF6</i>	rs1394070	491	0.14	0.07	-0.22	0.36	0.652157
<i>PCK2</i>	rs2759407	491	0.07	0.08	-0.27	0.44	0.654504
<i>FABP4</i>	rs10099756	491	0.30	-0.05	-0.27	0.17	0.654728
<i>NR1I2</i>	rs3814055	491	0.38	0.05	-0.16	0.26	0.659686
<i>CAV1</i>	rs4730751	491	0.28	0.05	-0.17	0.27	0.659886
<i>LPIN3</i>	rs6072343	490	0.14	0.07	-0.23	0.37	0.663258
<i>CAV1</i>	rs2052106	489	0.34	0.05	-0.17	0.26	0.663600
<i>CAV1</i>	rs959173	491	0.16	-0.06	-0.34	0.22	0.665279
<i>LPIN2</i>	rs642926	491	0.34	0.04	-0.16	0.25	0.676230
<i>ADIPOQ</i>	rs17366568	491	0.14	-0.06	-0.33	0.21	0.676712
<i>BHLHE40</i>	rs1110261	489	0.21	-0.05	-0.30	0.19	0.680300
<i>PPARG</i>	rs10865710	491	0.26	0.04	-0.18	0.27	0.691772
<i>LPIN1</i>	rs6726960	491	0.23	0.04	-0.18	0.27	0.700903
<i>PPARGC1A</i>	rs11734408	491	0.28	0.04	-0.18	0.26	0.706188
<i>PPARG</i>	rs12497191	488	0.14	0.06	-0.24	0.35	0.707867
<i>BHLHE40</i>	rs908078	491	0.17	0.05	-0.21	0.31	0.712093
<i>PPARGC1A</i>	rs17637318	491	0.28	0.04	-0.18	0.26	0.714219
<i>ATF6</i>	rs10918092	486	0.36	-0.04	-0.24	0.16	0.716960
<i>PPARD</i>	rs6902123	491	0.09	0.06	-0.29	0.42	0.723465
<i>LPIN2</i>	rs10853287	491	0.12	-0.05	-0.35	0.25	0.728037
<i>FABP1</i>	rs1441644	490	0.29	0.04	-0.18	0.26	0.728669
<i>LPIN1</i>	rs893346	489	0.06	0.07	-0.34	0.48	0.734535
<i>MLXIPL</i>	rs7798357	491	0.26	-0.04	-0.26	0.18	0.737864
<i>PPARGC1A</i>	rs13117172	491	0.19	-0.04	-0.30	0.21	0.739514
<i>ATF6</i>	rs12079579	491	0.07	0.07	-0.32	0.45	0.740402
<i>CEBPB</i>	rs6020348	491	0.42	-0.03	-0.23	0.17	0.741931
<i>ATF6</i>	rs7554023	491	0.19	0.04	-0.22	0.31	0.748457
<i>PPARG</i>	rs2120825	491	0.11	-0.05	-0.39	0.28	0.748871
<i>NR1I2</i>	rs16830505	491	0.12	-0.05	-0.37	0.26	0.751942
<i>PPARD</i>	rs4713854	491	0.07	-0.07	-0.53	0.39	0.761395
<i>NR1I2</i>	rs3732361	491	0.38	0.03	-0.17	0.23	0.764972
<i>LPIN1</i>	rs11524	491	0.12	0.05	-0.26	0.35	0.766566
<i>PCK2</i>	rs2071586	479	0.24	-0.03	-0.27	0.20	0.770858

<i>LPIN1</i>	rs3795974	491	0.40	0.03	-0.17	0.23	0.771441
<i>FABP1</i>	rs2970903	491	0.11	-0.04	-0.34	0.25	0.772707
<i>FNTA</i>	rs10958736	491	0.11	-0.05	-0.36	0.27	0.780107
<i>ADIPOQ</i>	rs3774261	491	0.41	-0.03	-0.22	0.17	0.782152
<i>MTTP</i>	rs3816873	491	0.28	0.03	-0.20	0.26	0.782893
<i>LPIN2</i>	rs3745013	491	0.35	0.03	-0.17	0.22	0.791860
<i>MTTP</i>	rs1057613	491	0.49	-0.03	-0.24	0.18	0.797270
<i>ATF6</i>	rs3767635	491	0.31	-0.03	-0.24	0.19	0.810110
<i>PPARG</i>	rs13099634	489	0.19	0.03	-0.23	0.29	0.815709
<i>LPL</i>	rs3779788	491	0.16	0.03	-0.24	0.30	0.826896
<i>NR1I2</i>	rs1403526	491	0.29	0.03	-0.20	0.25	0.826992
<i>PPARGCIA</i>	rs8192678	491	0.35	-0.02	-0.23	0.19	0.831692
<i>BHLHE40</i>	rs11920786	490	0.15	-0.03	-0.31	0.25	0.832242
<i>CAV1</i>	rs3807995	490	0.07	0.04	-0.34	0.41	0.850284
<i>ATF6</i>	rs1417580	491	0.45	0.02	-0.18	0.22	0.852580
<i>PPARGCIA</i>	rs7674429	491	0.17	0.02	-0.24	0.29	0.862916
<i>PPARG</i>	rs17793693	491	0.10	0.03	-0.29	0.34	0.872265
<i>TNF</i>	rs3093662	490	0.07	-0.03	-0.43	0.37	0.873122
<i>LPL</i>	rs249	491	0.09	0.02	-0.31	0.36	0.884020
<i>FABP4</i>	rs10109480	491	0.10	-0.02	-0.33	0.28	0.886675
<i>FABP1</i>	rs2919867	491	0.20	0.02	-0.22	0.25	0.894359
<i>CAV1</i>	rs926198	489	0.37	-0.01	-0.22	0.19	0.894787
<i>CAV1</i>	rs9920	491	0.10	0.02	-0.30	0.35	0.898041
<i>MTTP</i>	rs2306985	491	0.37	0.01	-0.20	0.22	0.898795
<i>ATF6</i>	rs2271012	480	0.09	0.02	-0.31	0.35	0.903393
<i>MMP9</i>	rs3787268	491	0.21	0.01	-0.23	0.26	0.909822
<i>CAV1</i>	rs1049337	491	0.27	-0.01	-0.24	0.21	0.913690
<i>PPARD</i>	rs9658119	490	0.13	-0.02	-0.32	0.29	0.913933
<i>ADRB2</i>	rs1042713	491	0.39	0.01	-0.20	0.22	0.922495
<i>ATF6</i>	rs3795649	491	0.38	-0.01	-0.21	0.19	0.926130
<i>LPIN1</i>	rs4315495	491	0.42	0.01	-0.19	0.21	0.932894
<i>LPL</i>	rs13702	491	0.33	-0.01	-0.22	0.21	0.951721
<i>PPARG</i>	rs3856806	491	0.12	-0.01	-0.33	0.31	0.961185
<i>PPARGCIA</i>	rs3774921	491	0.46	0.00	-0.20	0.21	0.986061
<i>PPARD</i>	rs7744392	490	0.05	0.00	-0.41	0.40	0.995233
<i>PPARG</i>	rs1801282	491	0.13	0.00	-0.31	0.30	0.997429

Supplementary Table 5B. SNP-Protein interaction effects on LDL-cholesterol over 6 months
ad libitum diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>CEBPB</i>	rs2904254	491	0.17	-0.35	-0.60	-0.11	0.004725
<i>NUCB2</i>	rs10766383	491	0.25	0.26	0.07	0.45	0.007325
<i>PPARGC1A</i>	rs3774923	478	0.04	0.53	0.06	1.01	0.027366
<i>ATF6</i>	rs1136046	491	0.15	0.25	0.02	0.48	0.036109
<i>ADRB2</i>	rs1042719	491	0.29	-0.20	-0.40	-0.01	0.040378
<i>PPARG</i>	rs4135247	491	0.42	-0.18	-0.36	-0.01	0.041412
<i>PPARG</i>	rs2972164	491	0.48	0.17	0.00	0.34	0.050329
<i>LPIN1</i>	rs13013930	491	0.25	0.19	0.00	0.39	0.051662
<i>PPARG</i>	rs10510418	491	0.31	0.18	0.00	0.36	0.052754
<i>LPL</i>	rs248	491	0.07	-0.35	-0.71	0.01	0.053653
<i>LPIN1</i>	rs10520097	491	0.16	-0.22	-0.45	0.01	0.059002
<i>LPIN3</i>	rs16985665	491	0.20	-0.20	-0.41	0.01	0.061083
<i>ADIPOQ</i>	rs2241767	491	0.13	0.24	-0.02	0.50	0.067269
<i>LPIN2</i>	rs4570954	491	0.20	-0.20	-0.42	0.01	0.067816
<i>PPARGC1A</i>	rs1388332	491	0.08	0.28	-0.02	0.58	0.069650
<i>ADIPOQ</i>	rs822387	491	0.07	-0.30	-0.63	0.03	0.073882
<i>CTSS</i>	rs10888390	491	0.36	0.17	-0.02	0.36	0.074552
<i>LEP</i>	rs11763517	491	0.50	0.16	-0.02	0.33	0.077232
<i>PPARD</i>	rs2038068	490	0.24	0.19	-0.02	0.41	0.077305
<i>CTSS</i>	rs7511673	491	0.39	0.16	-0.02	0.34	0.080403
<i>LPIN2</i>	rs7233117	491	0.30	0.17	-0.02	0.37	0.081158
<i>LPIN3</i>	rs6029646	489	0.26	-0.16	-0.35	0.02	0.086040
<i>PPARG</i>	rs4135275	491	0.19	-0.19	-0.41	0.03	0.088289
<i>LPIN2</i>	rs625527	491	0.43	-0.15	-0.31	0.02	0.091994
<i>PPARD</i>	rs2076169	491	0.10	0.27	-0.05	0.58	0.095150
<i>LPIN2</i>	rs661767	491	0.30	-0.15	-0.34	0.03	0.098376
<i>LEP</i>	rs7788818	491	0.06	-0.30	-0.65	0.06	0.100076
<i>LPIN3</i>	rs6065338	490	0.18	0.19	-0.04	0.42	0.100679
<i>NR1I2</i>	rs1054190	491	0.12	-0.21	-0.46	0.04	0.104100
<i>ATF6</i>	rs2499854	491	0.33	0.14	-0.04	0.32	0.124230
<i>ADIPOQ</i>	rs2241766	491	0.13	0.20	-0.06	0.46	0.125692
<i>PPARGC1A</i>	rs6850464	491	0.14	-0.20	-0.46	0.06	0.131620
<i>CEBPB</i>	rs4253449	491	0.05	0.32	-0.10	0.73	0.135827
<i>PPARGC1A</i>	rs3736265	491	0.07	0.25	-0.08	0.58	0.138051
<i>LPIN3</i>	rs6029636	491	0.26	-0.14	-0.33	0.05	0.143752
<i>PPARG</i>	rs709157	491	0.29	0.14	-0.05	0.33	0.149165
<i>PPARG</i>	rs1797912	491	0.35	0.14	-0.05	0.32	0.149194
<i>BHLHE40</i>	rs11925620	491	0.04	0.30	-0.11	0.70	0.151630
<i>LPIN2</i>	rs1164	491	0.19	0.15	-0.06	0.36	0.154028
<i>PPARGC1A</i>	rs7682765	491	0.06	0.25	-0.09	0.59	0.154125
<i>LPL</i>	rs270	491	0.14	-0.17	-0.41	0.07	0.161757
<i>PPARGC1A</i>	rs2970870	491	0.42	0.13	-0.05	0.30	0.164096
<i>ADRB3</i>	rs4994	491	0.07	-0.25	-0.59	0.10	0.164497
<i>ADIPOQ</i>	rs16861194	491	0.08	0.21	-0.09	0.50	0.167138
<i>MLXIPL</i>	rs6967028	491	0.10	-0.20	-0.49	0.09	0.167692
<i>PPARD</i>	rs2267668	491	0.16	0.17	-0.08	0.43	0.175009
<i>ATF6</i>	rs12044770	489	0.09	0.20	-0.09	0.48	0.176186

<i>MTTP</i>	rs17029213	491	0.03	0.34	-0.15	0.84	0.176215
<i>PPARGC1A</i>	rs4361373	491	0.15	-0.16	-0.39	0.07	0.178036
<i>ATF6</i>	rs1135983	491	0.09	0.19	-0.09	0.48	0.178340
<i>ATF6</i>	rs6695284	491	0.09	0.19	-0.09	0.48	0.178340
<i>PCK2</i>	rs1951634	491	0.28	0.13	-0.06	0.33	0.179911
<i>LPL</i>	rs10099160	490	0.20	-0.14	-0.34	0.07	0.182184
<i>MLXIPL</i>	rs7798357	491	0.26	-0.13	-0.32	0.06	0.185670
<i>LPIN2</i>	rs10438875	491	0.23	0.14	-0.07	0.35	0.190956
<i>LPIN3</i>	rs4812495	483	0.14	-0.17	-0.43	0.09	0.195976
<i>LPIN2</i>	rs4797092	491	0.08	0.20	-0.11	0.50	0.206424
<i>ADIPOQ</i>	rs822396	491	0.17	0.14	-0.08	0.36	0.208323
<i>LEP</i>	rs2071045	491	0.24	0.13	-0.07	0.33	0.214095
<i>ATF6</i>	rs12026254	489	0.11	0.17	-0.10	0.44	0.214780
<i>ATF6</i>	rs12032568	489	0.11	0.17	-0.10	0.44	0.215242
<i>LPIN3</i>	rs12625565	489	0.22	0.13	-0.08	0.33	0.216217
<i>ATF6</i>	rs4657100	491	0.11	0.17	-0.10	0.44	0.216262
<i>ATF6</i>	rs4657110	491	0.11	0.17	-0.10	0.44	0.216451
<i>ATF6</i>	rs6670606	491	0.11	0.17	-0.10	0.44	0.216451
<i>PPARGC1A</i>	rs2970869	491	0.22	-0.13	-0.33	0.08	0.219681
<i>ATF6</i>	rs1058405	491	0.26	-0.12	-0.30	0.07	0.220009
<i>ATF6</i>	rs10737517	490	0.28	0.11	-0.07	0.30	0.222990
<i>ADIPOQ</i>	rs182052	491	0.36	0.11	-0.07	0.28	0.225735
<i>ADRB3</i>	rs2071493	491	0.06	-0.21	-0.56	0.13	0.227894
<i>ATF6</i>	rs12086247	491	0.13	0.16	-0.10	0.41	0.234627
<i>ADRB3</i>	rs4997	490	0.06	-0.21	-0.56	0.14	0.236424
<i>ADRB2</i>	rs2400707	491	0.41	0.11	-0.07	0.28	0.246552
<i>ATF6</i>	rs2271012	480	0.09	0.17	-0.12	0.46	0.248286
<i>LPIN2</i>	rs3819090	491	0.29	-0.11	-0.29	0.08	0.255482
<i>LPL</i>	rs328	491	0.12	0.16	-0.12	0.43	0.256279
<i>FNTA</i>	rs13282019	491	0.05	-0.21	-0.57	0.15	0.256995
<i>CTSS</i>	rs1136774	491	0.49	0.10	-0.07	0.27	0.260872
<i>PPARGC1A</i>	rs4697426	491	0.23	0.12	-0.09	0.33	0.264521
<i>ATF6</i>	rs10918215	491	0.30	0.10	-0.08	0.28	0.264874
<i>ATF6</i>	rs9482	491	0.30	0.10	-0.08	0.28	0.273527
<i>MMP9</i>	rs3918253	481	0.44	0.10	-0.08	0.29	0.273587
<i>LPIN2</i>	rs9635812	491	0.28	-0.11	-0.29	0.08	0.274304
<i>PPARG</i>	rs2938395	491	0.36	0.10	-0.08	0.29	0.277583
<i>LPL</i>	rs285	491	0.49	-0.09	-0.27	0.08	0.284725
<i>PPARGC1A</i>	rs2970855	491	0.33	0.09	-0.08	0.26	0.291401
<i>FABP1</i>	rs894194	491	0.24	0.11	-0.10	0.31	0.301244
<i>LPL</i>	rs264	489	0.16	0.12	-0.11	0.36	0.309364
<i>FABP1</i>	rs2970902	491	0.37	-0.09	-0.27	0.09	0.310571
<i>PPARGC1A</i>	rs2946385	491	0.42	0.09	-0.08	0.25	0.313703
<i>ADRB3</i>	rs4998	490	0.06	-0.18	-0.53	0.17	0.314195
<i>ADIPOQ</i>	rs7649121	490	0.18	0.11	-0.11	0.33	0.314503
<i>ATF6</i>	rs4657101	490	0.27	0.10	-0.09	0.29	0.315258
<i>PPARGC1A</i>	rs2279525	467	0.29	0.10	-0.10	0.30	0.324638
<i>MTTP</i>	rs881980	491	0.14	-0.12	-0.36	0.12	0.331870
<i>LPIN1</i>	rs2358126	491	0.46	-0.09	-0.26	0.09	0.333343
<i>LPIN2</i>	rs3934427	481	0.11	-0.13	-0.40	0.14	0.337990
<i>BHLHE40</i>	rs1588794	491	0.10	-0.14	-0.42	0.15	0.350395
<i>BHLHE40</i>	rs2137947	491	0.21	-0.09	-0.28	0.10	0.356647

<i>MTTP</i>	rs982424	491	0.06	0.18	-0.22	0.58	0.366765
<i>LPIN1</i>	rs4315495	491	0.42	0.08	-0.09	0.25	0.369674
<i>LPL</i>	rs316	491	0.13	-0.12	-0.39	0.15	0.375273
<i>LPIN3</i>	rs6072343	490	0.14	0.12	-0.14	0.37	0.375699
<i>PPARG</i>	rs13099634	489	0.19	-0.10	-0.33	0.12	0.376635
<i>CAV1</i>	rs8713	491	0.18	0.10	-0.12	0.32	0.379216
<i>FABP4</i>	rs10099756	491	0.30	0.08	-0.10	0.27	0.379758
<i>PPARD</i>	rs11751895	491	0.03	-0.27	-0.89	0.35	0.388126
<i>LEP</i>	rs11760956	482	0.38	0.08	-0.10	0.26	0.393023
<i>NR1I2</i>	rs3732360	491	0.26	0.08	-0.11	0.28	0.394811
<i>CAV1</i>	rs4730751	491	0.28	0.08	-0.11	0.27	0.395007
<i>ADIPOQ</i>	rs12495941	491	0.37	-0.08	-0.25	0.10	0.401153
<i>PPARGC1A</i>	rs7657071	491	0.30	0.08	-0.11	0.28	0.403468
<i>CAV1</i>	rs959173	491	0.16	-0.10	-0.35	0.14	0.404567
<i>LPIN2</i>	rs10853287	491	0.12	-0.10	-0.36	0.15	0.421035
<i>LEPR</i>	rs10493380	491	0.18	0.09	-0.14	0.32	0.422055
<i>ATF6</i>	rs2499851	491	0.31	-0.07	-0.26	0.11	0.423526
<i>ADIPOQ</i>	rs1501299	491	0.28	-0.08	-0.27	0.12	0.426863
<i>PPARGC1A</i>	rs7437482	491	0.35	-0.07	-0.26	0.11	0.438878
<i>PPARGC1A</i>	rs7665116	486	0.13	0.10	-0.16	0.36	0.441925
<i>MTTP</i>	rs3828542	491	0.17	-0.09	-0.31	0.14	0.454189
<i>LPIN1</i>	rs2577261	491	0.10	-0.11	-0.40	0.18	0.455155
<i>LPL</i>	rs2197089	491	0.44	0.06	-0.11	0.23	0.462562
<i>NR1I2</i>	rs2461823	491	0.35	-0.07	-0.25	0.11	0.465616
<i>PPARGC1A</i>	rs4235308	490	0.41	0.06	-0.11	0.24	0.466452
<i>CAV1</i>	rs9920	491	0.10	0.10	-0.18	0.39	0.467134
<i>LPIN2</i>	rs6506041	491	0.32	0.07	-0.12	0.25	0.482014
<i>PPARGC1A</i>	rs12500214	491	0.22	0.08	-0.13	0.28	0.483093
<i>LPIN2</i>	rs642926	491	0.34	0.06	-0.11	0.24	0.483513
<i>PPARGC1A</i>	rs2970848	491	0.33	0.06	-0.12	0.25	0.488490
<i>LPL</i>	rs283	490	0.20	-0.07	-0.27	0.13	0.489504
<i>LPIN1</i>	rs2577264	490	0.40	0.06	-0.12	0.24	0.497154
<i>MTTP</i>	rs1032355	491	0.19	0.07	-0.15	0.30	0.510366
<i>LPIN1</i>	rs1050800	491	0.16	-0.08	-0.32	0.16	0.512420
<i>LPL</i>	rs253	491	0.46	-0.06	-0.23	0.11	0.514429
<i>PPARG</i>	rs4135268	491	0.07	-0.12	-0.46	0.23	0.514880
<i>ATF6</i>	rs1394070	491	0.14	-0.08	-0.33	0.17	0.526504
<i>LPIN2</i>	rs1059281	490	0.29	0.06	-0.13	0.24	0.531035
<i>CAV1</i>	rs3815412	491	0.25	0.06	-0.13	0.26	0.544625
<i>PPARD</i>	rs6457816	490	0.09	0.09	-0.21	0.39	0.549096
<i>CAV1</i>	rs3779512	491	0.44	0.05	-0.12	0.23	0.549441
<i>FABP1</i>	rs1441644	490	0.29	0.06	-0.13	0.25	0.550649
<i>LPIN1</i>	rs2577256	491	0.48	0.05	-0.12	0.23	0.560199
<i>BHLHE40</i>	rs1467159	491	0.49	-0.05	-0.22	0.12	0.561509
<i>LPL</i>	rs3779788	491	0.16	0.07	-0.16	0.30	0.567405
<i>ATF6</i>	rs4417044	491	0.25	0.06	-0.14	0.25	0.570833
<i>MMP9</i>	rs17576	489	0.36	0.05	-0.13	0.24	0.578691
<i>BHLHE40</i>	rs1110261	489	0.21	-0.06	-0.27	0.15	0.580561
<i>ADRB2</i>	rs1042713	491	0.39	0.05	-0.13	0.23	0.583374
<i>NR1I2</i>	rs1403527	491	0.18	-0.07	-0.30	0.17	0.587585
<i>LPIN2</i>	rs1985	491	0.31	0.05	-0.13	0.23	0.589764
<i>PPARG</i>	rs12629751	491	0.09	-0.08	-0.39	0.23	0.599340

<i>LPIN2</i>	rs3745013	491	0.35	-0.04	-0.21	0.12	0.603533
<i>PPARGC1A</i>	rs9996943	491	0.42	-0.04	-0.22	0.13	0.609939
<i>FABP4</i>	rs10109480	491	0.10	0.07	-0.19	0.33	0.610911
<i>ADIPOQ</i>	rs3774261	491	0.41	0.04	-0.13	0.21	0.622806
<i>PCK2</i>	rs11629199	491	0.10	-0.07	-0.35	0.21	0.632290
<i>ATF6</i>	rs12130299	491	0.25	-0.05	-0.24	0.14	0.635509
<i>MTTP</i>	rs2035816	491	0.10	0.07	-0.23	0.38	0.635524
<i>PPARGC1A</i>	rs13117172	491	0.19	-0.05	-0.27	0.17	0.636975
<i>PPARGC1A</i>	rs12374408	491	0.29	0.05	-0.15	0.24	0.639815
<i>LPIN1</i>	rs11524	491	0.12	-0.06	-0.32	0.20	0.644580
<i>PPARGC1A</i>	rs2970847	491	0.17	-0.05	-0.28	0.17	0.648249
<i>CCKAR</i>	rs1573596	491	0.46	-0.04	-0.21	0.13	0.648308
<i>PCK2</i>	rs2759407	491	0.07	0.07	-0.24	0.39	0.648624
<i>BHLHE40</i>	rs11920786	490	0.15	-0.05	-0.29	0.18	0.649097
<i>LPIN3</i>	rs4810312	487	0.41	-0.04	-0.21	0.13	0.655773
<i>FABP1</i>	rs2919871	490	0.27	-0.04	-0.24	0.15	0.657225
<i>CAV1</i>	rs2052106	489	0.34	0.04	-0.14	0.23	0.665428
<i>PPARG</i>	rs10865710	491	0.26	0.04	-0.15	0.23	0.672420
<i>MMP9</i>	rs2250889	490	0.05	0.09	-0.34	0.53	0.676589
<i>ATF6</i>	rs12079579	491	0.07	0.07	-0.27	0.41	0.684421
<i>LPIN2</i>	rs11665524	491	0.16	-0.05	-0.26	0.17	0.687866
<i>LPIN1</i>	rs11695702	491	0.28	0.04	-0.15	0.22	0.688085
<i>PPARG</i>	rs7650895	491	0.19	-0.04	-0.27	0.18	0.694115
<i>LPL</i>	rs1534649	490	0.42	-0.03	-0.21	0.14	0.699922
<i>NR1I2</i>	rs11926554	490	0.21	0.04	-0.17	0.25	0.705446
<i>PPARG</i>	rs12497191	488	0.14	0.05	-0.20	0.30	0.706958
<i>PCK2</i>	rs2071586	479	0.24	-0.04	-0.24	0.16	0.709963
<i>LPIN1</i>	rs893346	489	0.06	0.07	-0.29	0.42	0.716074
<i>LPL</i>	rs13702	491	0.33	0.03	-0.15	0.22	0.717421
<i>PPARGC1A</i>	rs10002521	491	0.31	0.03	-0.15	0.22	0.717885
<i>PPARGC1A</i>	rs10213440	486	0.17	-0.04	-0.28	0.20	0.719523
<i>LPIN1</i>	rs6726960	491	0.23	0.03	-0.16	0.23	0.729862
<i>BHLHE40</i>	rs11130215	491	0.19	0.04	-0.17	0.24	0.734041
<i>NR1I2</i>	rs3732361	491	0.38	-0.03	-0.20	0.14	0.741092
<i>PPARGC1A</i>	rs8192678	491	0.35	-0.03	-0.21	0.15	0.741366
<i>NR1I2</i>	rs16830505	491	0.12	-0.04	-0.31	0.23	0.752203
<i>PPARG</i>	rs10510419	490	0.16	0.04	-0.19	0.27	0.753113
<i>FABP1</i>	rs2241883	491	0.33	0.03	-0.15	0.21	0.757190
<i>PPARD</i>	rs9658119	490	0.13	0.04	-0.22	0.30	0.768379
<i>MMP9</i>	rs3787268	491	0.21	0.03	-0.18	0.25	0.774511
<i>CAV1</i>	rs3807995	490	0.07	-0.05	-0.37	0.27	0.774657
<i>MLXIPL</i>	rs1051921	488	0.16	-0.03	-0.25	0.19	0.783134
<i>CEBPB</i>	rs6020348	491	0.42	-0.02	-0.20	0.15	0.783889
<i>PPARG</i>	rs17793693	491	0.10	0.04	-0.23	0.31	0.784970
<i>PPARGC1A</i>	rs4469064	491	0.09	-0.04	-0.36	0.28	0.789693
<i>BHLHE40</i>	rs11918262	491	0.18	-0.03	-0.24	0.18	0.796500
<i>BHLHE40</i>	rs908078	491	0.17	-0.03	-0.25	0.20	0.798335
<i>PTEN</i>	rs2299939	490	0.20	0.03	-0.18	0.23	0.799834
<i>LPL</i>	rs17410577	491	0.17	-0.03	-0.26	0.20	0.800919
<i>LPIN1</i>	rs893349	491	0.43	0.02	-0.15	0.19	0.809750
<i>FABP1</i>	rs2919867	491	0.20	0.02	-0.18	0.23	0.810570
<i>PPARGC1A</i>	rs11734408	491	0.28	0.02	-0.17	0.21	0.810796

<i>MTTP</i>	rs1057613	491	0.49	-0.02	-0.20	0.16	0.811805
<i>LPIN1</i>	rs2278513	491	0.45	-0.02	-0.19	0.15	0.811829
<i>CAVI</i>	rs3807989	491	0.41	0.02	-0.16	0.20	0.813727
<i>PPARGCIA</i>	rs17637318	491	0.28	0.02	-0.17	0.21	0.820774
<i>LPIN3</i>	rs7263195	491	0.05	-0.04	-0.41	0.33	0.821583
<i>NR1I2</i>	rs1403526	491	0.29	0.02	-0.17	0.22	0.832479
<i>PPARD</i>	rs6902123	491	0.09	0.03	-0.27	0.34	0.834778
<i>FNTA</i>	rs10958736	491	0.11	-0.03	-0.30	0.24	0.837492
<i>PPARD</i>	rs4713854	491	0.07	0.04	-0.36	0.44	0.841536
<i>ATF6</i>	rs7554023	491	0.19	0.02	-0.20	0.25	0.843642
<i>PCK2</i>	rs9783666	489	0.06	-0.03	-0.38	0.31	0.846321
<i>LPIN1</i>	rs4669778	491	0.46	-0.02	-0.19	0.16	0.858111
<i>ATF6</i>	rs2134697	491	0.27	0.02	-0.18	0.21	0.861647
<i>LPL</i>	rs249	491	0.09	-0.02	-0.31	0.26	0.869134
<i>LPIN1</i>	rs3795974	491	0.40	0.01	-0.16	0.19	0.871575
<i>ATF6</i>	rs3767635	491	0.31	-0.01	-0.20	0.17	0.890614
<i>LPIN2</i>	rs11661932	491	0.10	-0.02	-0.32	0.27	0.890991
<i>PPARGCIA</i>	rs2305681	490	0.05	0.03	-0.40	0.46	0.901669
<i>FABP1</i>	rs2970903	491	0.11	-0.02	-0.27	0.24	0.904299
<i>CAVI</i>	rs1049337	491	0.27	-0.01	-0.21	0.18	0.907228
<i>PPARG</i>	rs2120825	491	0.11	0.02	-0.27	0.31	0.908367
<i>PPARGCIA</i>	rs3774921	491	0.46	-0.01	-0.19	0.17	0.920444
<i>PPARGCIA</i>	rs2970853	491	0.23	-0.01	-0.21	0.19	0.923965
<i>LEP</i>	rs2278815	491	0.46	-0.01	-0.18	0.16	0.925134
<i>LPIN2</i>	rs607549	490	0.27	-0.01	-0.20	0.18	0.925537
<i>CAVI</i>	rs926198	489	0.37	-0.01	-0.19	0.17	0.931673
<i>ADIPOQ</i>	rs17366568	491	0.14	-0.01	-0.25	0.23	0.939912
<i>PPARD</i>	rs7744392	490	0.05	-0.01	-0.36	0.34	0.945020
<i>CTSS</i>	rs11576175	491	0.11	0.01	-0.28	0.30	0.956687
<i>PPARGCIA</i>	rs7674429	491	0.17	0.01	-0.22	0.23	0.960957
<i>PPARG</i>	rs1801282	491	0.13	-0.01	-0.27	0.26	0.963820
<i>PPARG</i>	rs3856806	491	0.12	0.01	-0.27	0.28	0.964895
<i>ATF6</i>	rs10918092	485	0.36	0.00	-0.18	0.17	0.965658
<i>FABP4</i>	rs16909192	491	0.19	0.00	-0.24	0.23	0.967514
<i>PPARGCIA</i>	rs2932976	491	0.26	0.00	-0.19	0.20	0.978269
<i>MTTP</i>	rs2306985	491	0.37	0.00	-0.18	0.18	0.985398
<i>ATF6</i>	rs3795649	491	0.38	0.00	-0.17	0.18	0.986881
<i>ATF6</i>	rs1417580	491	0.45	0.00	-0.17	0.17	0.990872
<i>ADIPOQ</i>	rs3821799	491	0.47	0.00	-0.16	0.16	0.993738
<i>MTTP</i>	rs3816873	491	0.28	0.00	-0.20	0.20	0.996884
<i>NR1I2</i>	rs3814055	491	0.38	0.00	-0.18	0.18	0.997079

Supplementary Table 5C. SNP-Protein interaction effects on HDL-cholesterol over 6 months*ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>PPARGC1A</i>	rs4697426	493	0.23	0.12	0.04	0.20	0.001995
<i>ADIPOQ</i>	rs822387	493	0.07	-0.18	-0.31	-0.06	0.003853
<i>PPARGC1A</i>	rs10213440	488	0.17	-0.13	-0.21	-0.04	0.005649
<i>ADIPOQ</i>	rs3821799	493	0.47	-0.08	-0.14	-0.02	0.006270
<i>PPARGC1A</i>	rs7437482	493	0.35	-0.08	-0.15	-0.02	0.016394
<i>PCK2</i>	rs2759407	493	0.07	0.13	0.02	0.25	0.021283
<i>PCK2</i>	rs1951634	493	0.28	-0.08	-0.16	-0.01	0.022120
<i>PPARG</i>	rs4135268	493	0.07	0.14	0.01	0.27	0.031297
<i>LEP</i>	rs7788818	493	0.06	-0.14	-0.27	-0.01	0.037040
<i>FABP1</i>	rs894194	493	0.24	-0.08	-0.15	0.00	0.040134
<i>ATF6</i>	rs2271012	482	0.09	-0.11	-0.22	0.00	0.047180
<i>PPARGC1A</i>	rs6850464	493	0.14	-0.10	-0.20	0.00	0.047674
<i>PPARGC1A</i>	rs7682765	493	0.06	0.13	0.00	0.25	0.049445
<i>CAV1</i>	rs2052106	491	0.34	0.07	0.00	0.14	0.053522
<i>ADIPOQ</i>	rs2241767	493	0.13	-0.09	-0.19	0.00	0.054896
<i>LPL</i>	rs316	493	0.13	-0.10	-0.20	0.00	0.055218
<i>PPARGC1A</i>	rs2970847	493	0.17	-0.08	-0.17	0.00	0.059148
<i>ATF6</i>	rs7554023	493	0.19	0.08	0.00	0.17	0.059564
<i>MTTP</i>	rs1032355	493	0.19	0.08	-0.01	0.16	0.068239
<i>CAV1</i>	rs3807989	493	0.41	0.06	-0.01	0.12	0.076338
<i>ATF6</i>	rs12044770	491	0.09	-0.09	-0.20	0.01	0.079230
<i>ATF6</i>	rs1135983	493	0.09	-0.09	-0.20	0.01	0.080657
<i>ATF6</i>	rs6695284	493	0.09	-0.09	-0.20	0.01	0.080657
<i>ADIPOQ</i>	rs3774261	493	0.41	-0.05	-0.12	0.01	0.088539
<i>NR1I2</i>	rs11926554	492	0.21	0.07	-0.01	0.15	0.088869
<i>PCK2</i>	rs11629199	493	0.10	-0.09	-0.19	0.01	0.093274
<i>ATF6</i>	rs12026254	491	0.11	-0.09	-0.19	0.02	0.096601
<i>LPIN2</i>	rs3745013	493	0.35	0.05	-0.01	0.12	0.097585
<i>PPARGC1A</i>	rs7657071	493	0.30	0.06	-0.01	0.13	0.099604
<i>LPIN1</i>	rs13013930	493	0.25	0.06	-0.01	0.13	0.100880
<i>ADIPOQ</i>	rs2241766	493	0.13	-0.08	-0.18	0.02	0.100945
<i>FABP4</i>	rs10099756	493	0.30	-0.06	-0.13	0.01	0.104099
<i>LPIN3</i>	rs16985665	493	0.20	-0.06	-0.14	0.01	0.105341
<i>LPIN1</i>	rs2278513	493	0.45	0.05	-0.01	0.11	0.115424
<i>ATF6</i>	rs4657110	493	0.11	-0.08	-0.18	0.02	0.119511
<i>ATF6</i>	rs6670606	493	0.11	-0.08	-0.18	0.02	0.119511
<i>ATF6</i>	rs4657100	493	0.11	-0.08	-0.18	0.02	0.119654
<i>LPL</i>	rs1534649	492	0.42	-0.05	-0.12	0.01	0.123651
<i>ATF6</i>	rs12032568	491	0.11	-0.08	-0.18	0.02	0.124490
<i>LPIN2</i>	rs4797092	493	0.08	0.09	-0.03	0.20	0.126888
<i>CEBPB</i>	rs2904254	493	0.17	-0.07	-0.16	0.02	0.128679
<i>MTTP</i>	rs2035816	493	0.10	0.09	-0.03	0.20	0.137646
<i>BHLHE40</i>	rs1588794	493	0.10	0.08	-0.03	0.19	0.138559
<i>ATF6</i>	rs3767635	493	0.31	0.05	-0.02	0.12	0.138994
<i>PCK2</i>	rs9783666	491	0.06	0.09	-0.03	0.22	0.139031
<i>LPIN3</i>	rs6029636	493	0.26	-0.05	-0.12	0.02	0.141675
<i>MLXIPL</i>	rs1051921	490	0.16	0.06	-0.02	0.14	0.142113

<i>ADRB2</i>	rs2400707	493	0.41	0.05	-0.02	0.12	0.145709
<i>NR1I2</i>	rs3814055	493	0.38	0.05	-0.02	0.12	0.156609
<i>MLXIPL</i>	rs6967028	493	0.10	-0.08	-0.18	0.03	0.165308
<i>ATF6</i>	rs2499854	493	0.33	-0.05	-0.11	0.02	0.174305
<i>NR1I2</i>	rs1054190	493	0.12	0.06	-0.03	0.16	0.182913
<i>LPIN1</i>	rs11695702	493	0.28	0.05	-0.02	0.12	0.184974
<i>PPARGC1A</i>	rs2305681	492	0.05	0.11	-0.05	0.27	0.188055
<i>ATF6</i>	rs10737517	492	0.28	-0.05	-0.11	0.02	0.190441
<i>LEP</i>	rs11763517	493	0.50	0.04	-0.02	0.11	0.191150
<i>LPIN3</i>	rs6029646	491	0.26	-0.05	-0.11	0.02	0.193643
<i>MTTP</i>	rs982424	493	0.06	-0.10	-0.24	0.05	0.195507
<i>PPARGC1A</i>	rs13117172	493	0.19	0.05	-0.03	0.14	0.197615
<i>ATF6</i>	rs4417044	493	0.25	-0.05	-0.12	0.02	0.199718
<i>LPIN2</i>	rs1164	493	0.19	0.05	-0.03	0.13	0.202209
<i>ATF6</i>	rs9482	493	0.30	-0.04	-0.11	0.02	0.206540
<i>ADIPOQ</i>	rs822396	493	0.17	0.05	-0.03	0.13	0.213958
<i>ATF6</i>	rs1136046	493	0.15	-0.05	-0.14	0.03	0.214866
<i>PPARG</i>	rs7650895	493	0.19	0.05	-0.03	0.14	0.218769
<i>LPL</i>	rs3779788	493	0.16	-0.05	-0.14	0.03	0.233646
<i>LPIN1</i>	rs11524	493	0.12	0.06	-0.04	0.16	0.233670
<i>MMP9</i>	rs3918253	483	0.44	0.04	-0.03	0.11	0.234646
<i>CAV1</i>	rs959173	493	0.16	0.05	-0.04	0.14	0.238477
<i>LPIN1</i>	rs6726960	493	0.23	-0.04	-0.12	0.03	0.238903
<i>PPARD</i>	rs9658119	492	0.13	-0.06	-0.15	0.04	0.239590
<i>LEP</i>	rs2071045	493	0.24	0.04	-0.03	0.12	0.243050
<i>PPARGC1A</i>	rs3736265	493	0.07	-0.07	-0.20	0.05	0.245724
<i>ATF6</i>	rs3795649	493	0.38	0.04	-0.03	0.10	0.248414
<i>LPIN2</i>	rs10438875	493	0.23	0.05	-0.03	0.13	0.251558
<i>ADRB2</i>	rs1042713	493	0.39	-0.04	-0.11	0.03	0.254061
<i>PPARG</i>	rs1797912	493	0.35	-0.04	-0.11	0.03	0.254650
<i>LPIN2</i>	rs9635812	493	0.28	0.04	-0.03	0.11	0.266532
<i>MTTP</i>	rs2306985	493	0.37	0.04	-0.03	0.11	0.266798
<i>LPIN1</i>	rs2577264	492	0.40	0.04	-0.03	0.11	0.268100
<i>BHLHE40</i>	rs2137947	493	0.21	-0.04	-0.11	0.03	0.270391
<i>LPL</i>	rs13702	493	0.33	-0.04	-0.11	0.03	0.271809
<i>ATF6</i>	rs10918215	493	0.30	-0.04	-0.10	0.03	0.273882
<i>PPARGC1A</i>	rs2970869	493	0.22	-0.04	-0.12	0.03	0.275636
<i>PPARGC1A</i>	rs4361373	493	0.15	-0.05	-0.13	0.04	0.277078
<i>PPARD</i>	rs2076169	493	0.10	0.06	-0.05	0.18	0.278869
<i>PPARGC1A</i>	rs1388332	493	0.08	-0.06	-0.17	0.05	0.282794
<i>CTSS</i>	rs10888390	493	0.36	-0.04	-0.11	0.03	0.283110
<i>ADIPOQ</i>	rs7649121	492	0.18	0.05	-0.04	0.13	0.285664
<i>MMP9</i>	rs3787268	493	0.21	-0.04	-0.12	0.04	0.287924
<i>NR1I2</i>	rs3732361	493	0.38	0.03	-0.03	0.10	0.291439
<i>ADIPOQ</i>	rs182052	493	0.36	0.03	-0.03	0.10	0.301069
<i>PPARGC1A</i>	rs10002521	493	0.31	0.04	-0.03	0.11	0.310515
<i>BHLHE40</i>	rs1467159	493	0.49	-0.03	-0.10	0.03	0.312930
<i>PLAUR</i>	rs2286960	491	0.23	-0.04	-0.11	0.04	0.312949
<i>LPIN2</i>	rs607549	492	0.27	-0.04	-0.11	0.03	0.314031
<i>LPIN1</i>	rs10520097	493	0.16	-0.04	-0.13	0.04	0.314990
<i>ATF6</i>	rs1058405	493	0.26	0.03	-0.03	0.10	0.323369
<i>LPL</i>	rs249	493	0.09	0.05	-0.06	0.16	0.342357

<i>PPARGC1A</i>	rs12374408	493	0.29	0.04	-0.04	0.11	0.343320
<i>PPARGC1A</i>	rs2970853	493	0.23	-0.04	-0.11	0.04	0.343491
<i>FABP1</i>	rs2919867	493	0.20	0.04	-0.04	0.11	0.347333
<i>ATF6</i>	rs12130299	493	0.25	0.03	-0.04	0.10	0.352041
<i>CAVI</i>	rs4730751	493	0.28	-0.03	-0.10	0.04	0.352114
<i>BHLHE40</i>	rs11920786	492	0.15	-0.04	-0.13	0.05	0.353626
<i>LPL</i>	rs248	493	0.07	-0.06	-0.20	0.07	0.354137
<i>LPIN3</i>	rs12625565	491	0.22	0.04	-0.04	0.11	0.355100
<i>MMP9</i>	rs2250889	492	0.05	0.07	-0.08	0.23	0.365871
<i>ADRB3</i>	rs4997	492	0.06	0.06	-0.07	0.19	0.366171
<i>FABP1</i>	rs2919871	492	0.27	-0.03	-0.11	0.04	0.367747
<i>PPARG</i>	rs709157	493	0.29	-0.03	-0.10	0.04	0.371246
<i>LPIN1</i>	rs893349	493	0.43	0.03	-0.04	0.09	0.372438
<i>LPIN1</i>	rs2577261	493	0.10	0.05	-0.06	0.16	0.378651
<i>PPARG</i>	rs13099634	491	0.19	0.04	-0.05	0.12	0.379209
<i>BHLHE40</i>	rs11925620	493	0.04	0.07	-0.08	0.22	0.379962
<i>PPARGC1A</i>	rs7674429	493	0.17	0.04	-0.05	0.12	0.382113
<i>ADRB3</i>	rs2071493	493	0.06	0.06	-0.07	0.18	0.383790
<i>ADIPOQ</i>	rs12495941	493	0.37	0.03	-0.04	0.09	0.388023
<i>LPL</i>	rs328	493	0.12	0.05	-0.06	0.15	0.388521
<i>ADRB3</i>	rs4998	492	0.06	0.05	-0.07	0.18	0.399289
<i>NR1I2</i>	rs1403526	493	0.29	0.03	-0.04	0.10	0.399406
<i>PPARGC1A</i>	rs2970855	493	0.33	-0.03	-0.09	0.04	0.403009
<i>MLXIPL</i>	rs7798357	493	0.26	0.03	-0.04	0.10	0.408502
<i>PPARGC1A</i>	rs4469064	493	0.09	-0.05	-0.17	0.07	0.412780
<i>LPIN2</i>	rs4570954	493	0.20	0.03	-0.05	0.11	0.414672
<i>FABP1</i>	rs2241883	493	0.33	-0.03	-0.09	0.04	0.418550
<i>LPIN3</i>	rs4810312	489	0.41	-0.03	-0.09	0.04	0.423637
<i>LPIN1</i>	rs3795974	493	0.40	0.03	-0.04	0.09	0.431337
<i>NR1I2</i>	rs2461823	493	0.35	0.03	-0.04	0.09	0.436575
<i>MTTP</i>	rs1057613	493	0.49	0.03	-0.04	0.09	0.452215
<i>PPARGC1A</i>	rs2279525	467	0.29	0.03	-0.05	0.10	0.452356
<i>BHLHE40</i>	rs11130215	493	0.19	0.03	-0.05	0.11	0.452769
<i>MTTP</i>	rs3828542	493	0.17	-0.03	-0.12	0.05	0.457076
<i>CAVI</i>	rs9920	493	0.10	0.04	-0.07	0.15	0.458162
<i>LPIN2</i>	rs10853287	493	0.12	0.04	-0.06	0.13	0.464434
<i>MTTP</i>	rs17029213	493	0.03	0.07	-0.12	0.26	0.468013
<i>LPIN3</i>	rs6065338	492	0.18	0.03	-0.05	0.12	0.473056
<i>PPARGC1A</i>	rs3774923	479	0.04	-0.06	-0.24	0.11	0.480216
<i>PPARGC1A</i>	rs2932976	493	0.26	0.02	-0.05	0.10	0.505919
<i>PPARG</i>	rs4135247	493	0.42	-0.02	-0.09	0.04	0.514167
<i>LPIN2</i>	rs3819090	493	0.29	0.02	-0.05	0.09	0.514619
<i>LPL</i>	rs17410577	493	0.17	0.03	-0.06	0.11	0.518044
<i>PPARG</i>	rs12497191	490	0.14	0.03	-0.06	0.12	0.531216
<i>LPIN1</i>	rs893346	491	0.06	0.04	-0.09	0.17	0.532748
<i>LPIN2</i>	rs1059281	492	0.29	0.02	-0.05	0.09	0.537885
<i>CEBPB</i>	rs4253449	493	0.05	-0.05	-0.20	0.11	0.539985
<i>LPIN3</i>	rs4812495	485	0.14	-0.03	-0.13	0.07	0.547604
<i>ADRB3</i>	rs4994	493	0.07	0.04	-0.09	0.16	0.552889
<i>CAVI</i>	rs8713	493	0.18	0.03	-0.06	0.11	0.553561
<i>PPARD</i>	rs2267668	493	0.16	0.03	-0.06	0.12	0.556348
<i>PPARD</i>	rs2038068	492	0.24	0.02	-0.06	0.10	0.561714

<i>CTSS</i>	rs7511673	493	0.39	-0.02	-0.09	0.05	0.565508
<i>ATF6</i>	rs2134697	493	0.27	-0.02	-0.09	0.05	0.570137
<i>ATF6</i>	rs1394070	493	0.14	-0.03	-0.12	0.07	0.571963
<i>LPL</i>	rs285	493	0.49	-0.02	-0.08	0.05	0.572576
<i>ATF6</i>	rs4657101	492	0.27	0.02	-0.05	0.09	0.574803
<i>ADRB2</i>	rs1042719	493	0.29	-0.02	-0.09	0.05	0.580660
<i>LPIN3</i>	rs6072343	492	0.14	0.03	-0.07	0.12	0.582370
<i>PCK2</i>	rs2071586	481	0.24	-0.02	-0.10	0.05	0.583803
<i>LPIN2</i>	rs1985	493	0.31	0.02	-0.05	0.09	0.595328
<i>NR1I2</i>	rs1403527	493	0.18	-0.02	-0.11	0.06	0.597846
<i>ATF6</i>	rs10918092	487	0.36	0.02	-0.05	0.08	0.601110
<i>CTSS</i>	rs1136774	493	0.49	-0.02	-0.08	0.05	0.611071
<i>LPIN2</i>	rs11661932	493	0.10	0.03	-0.08	0.14	0.611822
<i>CAV1</i>	rs926198	491	0.37	-0.02	-0.08	0.05	0.611835
<i>ATF6</i>	rs1417580	493	0.45	0.02	-0.05	0.08	0.625413
<i>LEP</i>	rs2278815	493	0.46	-0.02	-0.08	0.05	0.626523
<i>ATF6</i>	rs12079579	493	0.07	-0.03	-0.16	0.09	0.627858
<i>FNTA</i>	rs10958736	493	0.11	-0.03	-0.13	0.08	0.627907
<i>LPIN2</i>	rs3934427	482	0.11	-0.02	-0.12	0.08	0.629338
<i>PPARG</i>	rs10510418	493	0.31	0.02	-0.05	0.08	0.636406
<i>LEP</i>	rs11760956	484	0.38	0.02	-0.05	0.08	0.640865
<i>LPIN1</i>	rs4315495	493	0.42	0.02	-0.05	0.08	0.642842
<i>PPARGC1A</i>	rs2946385	493	0.42	0.01	-0.05	0.08	0.650353
<i>CAV1</i>	rs3815412	493	0.25	0.02	-0.06	0.09	0.652368
<i>FABP4</i>	rs10109480	493	0.10	-0.02	-0.12	0.08	0.652941
<i>ADIPOQ</i>	rs1501299	493	0.28	-0.02	-0.09	0.06	0.663310
<i>LPIN1</i>	rs1050800	493	0.16	-0.02	-0.11	0.07	0.667255
<i>FNTA</i>	rs13282019	493	0.05	-0.03	-0.17	0.11	0.681379
<i>PPARGC1A</i>	rs4235308	492	0.41	0.01	-0.05	0.08	0.690757
<i>MMP9</i>	rs17576	491	0.36	0.01	-0.05	0.08	0.695168
<i>NR1I2</i>	rs3732360	493	0.26	0.01	-0.06	0.09	0.696870
<i>PPARG</i>	rs10510419	492	0.16	0.02	-0.07	0.10	0.696945
<i>BHLHE40</i>	rs1110261	491	0.21	-0.02	-0.09	0.06	0.702801
<i>NR1I2</i>	rs16830505	493	0.12	0.02	-0.08	0.12	0.717113
<i>PPARD</i>	rs4713854	493	0.07	-0.03	-0.18	0.12	0.717155
<i>FABP1</i>	rs2970903	493	0.11	0.02	-0.08	0.11	0.722351
<i>LPL</i>	rs270	493	0.14	0.02	-0.07	0.10	0.727186
<i>LPIN1</i>	rs2358126	493	0.46	0.01	-0.05	0.08	0.728540
<i>FABP1</i>	rs1441644	492	0.29	0.01	-0.06	0.08	0.729240
<i>PPARG</i>	rs1801282	493	0.13	-0.02	-0.12	0.08	0.729665
<i>LPIN2</i>	rs625527	493	0.43	-0.01	-0.07	0.05	0.734241
<i>PPARG</i>	rs2938395	493	0.36	0.01	-0.06	0.08	0.734590
<i>PPARD</i>	rs6457816	492	0.09	0.02	-0.09	0.13	0.737608
<i>PPARG</i>	rs2972164	493	0.48	0.01	-0.05	0.07	0.741401
<i>FABP4</i>	rs16909192	493	0.19	-0.01	-0.10	0.07	0.757204
<i>FABP1</i>	rs2970902	493	0.37	-0.01	-0.08	0.06	0.771338
<i>PPARGC1A</i>	rs8192678	493	0.35	0.01	-0.06	0.08	0.774218
<i>LPIN1</i>	rs4669778	493	0.46	-0.01	-0.07	0.06	0.783256
<i>CTSS</i>	rs11576175	493	0.11	-0.01	-0.12	0.09	0.794070
<i>LPIN2</i>	rs661767	493	0.30	-0.01	-0.08	0.06	0.794577
<i>PPARD</i>	rs6902123	493	0.09	0.02	-0.10	0.13	0.795011
<i>CEBPB</i>	rs6020348	493	0.42	0.01	-0.06	0.07	0.807059

<i>PPARD</i>	rs11751895	493	0.03	0.03	-0.20	0.26	0.807866
<i>CAVI</i>	rs3779512	493	0.44	0.01	-0.06	0.07	0.816958
<i>ATF6</i>	rs12086247	493	0.13	-0.01	-0.11	0.08	0.818498
<i>BHLHE40</i>	rs11918262	493	0.18	-0.01	-0.09	0.07	0.822175
<i>LPL</i>	rs253	493	0.46	0.01	-0.06	0.07	0.839385
<i>PPARG</i>	rs2120825	493	0.11	0.01	-0.10	0.12	0.843314
<i>ATF6</i>	rs2499851	493	0.31	0.01	-0.06	0.08	0.856521
<i>LPIN2</i>	rs11665524	493	0.16	0.01	-0.08	0.09	0.876480
<i>LPIN3</i>	rs7263195	493	0.05	0.01	-0.13	0.15	0.879843
<i>PTEN</i>	rs1234220	493	0.11	0.01	-0.10	0.11	0.883508
<i>PTEN</i>	rs926091	493	0.11	-0.01	-0.10	0.09	0.883685
<i>PPARG</i>	rs17793693	493	0.10	-0.01	-0.11	0.09	0.883977
<i>PPARG</i>	rs12629751	493	0.09	-0.01	-0.12	0.11	0.885105
<i>MTTP</i>	rs881980	493	0.14	0.01	-0.08	0.10	0.887285
<i>LPIN1</i>	rs2577256	493	0.48	0.00	-0.07	0.06	0.890549
<i>PPARGCIA</i>	rs7665116	488	0.13	0.01	-0.09	0.10	0.894622
<i>PPARGCIA</i>	rs9996943	493	0.42	0.00	-0.07	0.06	0.898824
<i>LPIN2</i>	rs642926	493	0.34	0.00	-0.06	0.07	0.901789
<i>ADIPOQ</i>	rs17366568	493	0.14	0.01	-0.08	0.09	0.908095
<i>PPARGCIA</i>	rs17637318	493	0.28	0.00	-0.07	0.07	0.908226
<i>LPIN2</i>	rs6506041	493	0.32	0.00	-0.07	0.07	0.908447
<i>LPIN2</i>	rs7233117	493	0.30	0.00	-0.08	0.07	0.914952
<i>LPL</i>	rs283	492	0.20	0.00	-0.07	0.08	0.915471
<i>PPARD</i>	rs7744392	492	0.05	0.01	-0.12	0.14	0.930414
<i>PPARGCIA</i>	rs11734408	493	0.28	0.00	-0.07	0.07	0.930502
<i>LPL</i>	rs2197089	493	0.44	0.00	-0.06	0.06	0.944974
<i>PPARG</i>	rs3856806	493	0.12	0.00	-0.10	0.11	0.945681
<i>ADIPOQ</i>	rs16861194	493	0.08	0.00	-0.11	0.11	0.949401
<i>PPARG</i>	rs10865710	493	0.26	0.00	-0.07	0.07	0.954444
<i>LPL</i>	rs264	491	0.16	0.00	-0.09	0.09	0.962344
<i>CAVI</i>	rs3807995	492	0.07	0.00	-0.12	0.12	0.964793
<i>PPARGCIA</i>	rs2970848	493	0.33	0.00	-0.07	0.07	0.964933
<i>BHLHE40</i>	rs908078	493	0.17	0.00	-0.09	0.08	0.965510
<i>CAVI</i>	rs1049337	493	0.27	0.00	-0.07	0.07	0.967193
<i>PPARG</i>	rs4135275	493	0.19	0.00	-0.08	0.08	0.980050
<i>PPARGCIA</i>	rs12500214	493	0.22	0.00	-0.08	0.08	0.980555
<i>PPARGCIA</i>	rs2970870	493	0.42	0.00	-0.07	0.07	0.983527
<i>PPARGCIA</i>	rs3774921	493	0.46	0.00	-0.07	0.07	0.992069
<i>LPL</i>	rs10099160	492	0.20	0.00	-0.08	0.08	0.993813

Supplementary Table 5D. SNP-Protein interaction effects on triglycerides over 6 months*ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LPIN1</i>	rs4315495	486	0.42	-0.26	-0.38	-0.14	0.000044
<i>ATF6</i>	rs1394070	486	0.14	0.33	0.14	0.51	0.000452
<i>LEP</i>	rs2278815	486	0.46	0.17	0.05	0.30	0.007546
<i>LPIN3</i>	rs7263195	486	0.05	0.37	0.10	0.64	0.007772
<i>LPIN2</i>	rs661767	486	0.30	-0.18	-0.32	-0.05	0.008220
<i>ATF6</i>	rs4417044	486	0.25	0.19	0.05	0.33	0.008567
<i>CEBPB</i>	rs2904254	486	0.17	0.24	0.05	0.42	0.011275
<i>LPIN1</i>	rs6726960	486	0.23	0.18	0.04	0.32	0.014016
<i>LPIN2</i>	rs11665524	486	0.16	-0.20	-0.36	-0.04	0.016105
<i>LPIN1</i>	rs2278513	486	0.45	0.15	0.02	0.27	0.020034
<i>LPIN2</i>	rs1164	486	0.19	-0.18	-0.33	-0.02	0.022808
<i>ATF6</i>	rs2134697	486	0.27	0.17	0.02	0.31	0.024232
<i>ADRB3</i>	rs4998	485	0.06	-0.29	-0.54	-0.04	0.024553
<i>PPARGC1A</i>	rs3774923	473	0.04	0.40	0.05	0.76	0.024619
<i>LPIN3</i>	rs16985665	486	0.20	-0.18	-0.33	-0.02	0.024953
<i>LPIN1</i>	rs10520097	486	0.16	-0.19	-0.36	-0.02	0.026826
<i>ATF6</i>	rs3767635	486	0.31	-0.15	-0.29	-0.02	0.028639
<i>ADRB3</i>	rs2071493	486	0.06	-0.28	-0.54	-0.03	0.029455
<i>ADRB3</i>	rs4997	485	0.06	-0.28	-0.54	-0.03	0.031000
<i>LPIN1</i>	rs13013930	486	0.25	-0.15	-0.30	-0.01	0.037309
<i>BHLHE40</i>	rs908078	486	0.17	0.17	0.01	0.34	0.040454
<i>LEP</i>	rs11760956	477	0.38	0.14	0.01	0.27	0.041321
<i>ATF6</i>	rs2499854	486	0.33	0.13	0.00	0.26	0.043083
<i>ADRB3</i>	rs4994	486	0.07	-0.26	-0.51	-0.01	0.043316
<i>LPL</i>	rs2197089	486	0.44	0.13	0.00	0.25	0.045343
<i>LPIN2</i>	rs625527	486	0.43	-0.12	-0.25	0.00	0.049463
<i>LPIN1</i>	rs4669778	486	0.46	-0.13	-0.26	0.00	0.049963
<i>LPIN1</i>	rs2358126	486	0.46	-0.13	-0.26	0.00	0.051323
<i>LPL</i>	rs253	486	0.46	-0.13	-0.25	0.00	0.051335
<i>BHLHE40</i>	rs1588794	486	0.10	-0.21	-0.42	0.00	0.055208
<i>ATF6</i>	rs9482	486	0.30	0.13	0.00	0.26	0.055534
<i>LPIN2</i>	rs9635812	486	0.28	-0.13	-0.27	0.01	0.059674
<i>FABP4</i>	rs10099756	486	0.30	-0.13	-0.27	0.01	0.063516
<i>ATF6</i>	rs10918215	486	0.30	0.12	-0.01	0.25	0.063941
<i>ATF6</i>	rs10737517	485	0.28	0.12	-0.01	0.26	0.068206
<i>LPIN1</i>	rs2577261	486	0.10	0.19	-0.02	0.41	0.070842
<i>LPIN2</i>	rs10438875	486	0.23	-0.14	-0.30	0.02	0.079077
<i>LPIN2</i>	rs642926	486	0.34	-0.12	-0.25	0.01	0.079101
<i>CAV1</i>	rs2052106	484	0.34	-0.12	-0.26	0.02	0.081077
<i>ATF6</i>	rs10918092	480	0.36	-0.11	-0.24	0.01	0.081600
<i>ATF6</i>	rs3795649	486	0.38	-0.11	-0.24	0.02	0.086968
<i>CAV1</i>	rs9920	486	0.10	-0.18	-0.40	0.03	0.087663
<i>LPIN2</i>	rs3819090	486	0.29	-0.12	-0.26	0.02	0.087968
<i>BHLHE40</i>	rs11920786	485	0.15	0.15	-0.02	0.32	0.088424
<i>MTTP</i>	rs17029213	486	0.03	-0.31	-0.68	0.06	0.098869
<i>LPIN2</i>	rs11661932	486	0.10	-0.17	-0.39	0.04	0.119695
<i>MTTP</i>	rs982424	486	0.06	0.23	-0.06	0.53	0.120710

<i>LEP</i>	rs11763517	486	0.50	0.10	-0.03	0.23	0.126080
<i>LPIN3</i>	rs4812495	478	0.14	-0.15	-0.34	0.04	0.134129
<i>LEP</i>	rs2071045	486	0.24	-0.11	-0.26	0.04	0.134598
<i>FABP4</i>	rs16909192	486	0.19	-0.13	-0.30	0.04	0.136963
<i>CEBPB</i>	rs6020348	486	0.42	-0.09	-0.22	0.04	0.158042
<i>PPARG</i>	rs7650895	486	0.19	0.12	-0.05	0.28	0.165676
<i>CAVI</i>	rs959173	486	0.16	-0.13	-0.31	0.05	0.166345
<i>LPIN2</i>	rs4570954	486	0.20	-0.11	-0.27	0.05	0.179273
<i>LPL</i>	rs285	486	0.49	-0.09	-0.21	0.04	0.186055
<i>LPIN3</i>	rs6065338	485	0.18	-0.11	-0.28	0.06	0.191605
<i>FABP4</i>	rs10109480	486	0.10	-0.13	-0.32	0.07	0.194555
<i>PPARGC1A</i>	rs12500214	486	0.22	0.10	-0.05	0.25	0.201048
<i>PPARG</i>	rs13099634	484	0.19	0.10	-0.06	0.27	0.217157
<i>PPARGC1A</i>	rs7682765	486	0.06	-0.16	-0.41	0.10	0.223333
<i>ATF6</i>	rs4657101	485	0.27	-0.09	-0.23	0.06	0.227371
<i>LPL</i>	rs13702	486	0.33	-0.08	-0.22	0.05	0.235534
<i>PPARG</i>	rs12497191	483	0.14	-0.11	-0.30	0.07	0.236493
<i>LPL</i>	rs10099160	485	0.20	-0.09	-0.24	0.06	0.247156
<i>PCK2</i>	rs9783666	484	0.06	-0.15	-0.41	0.11	0.249284
<i>FABP1</i>	rs2241883	486	0.33	0.08	-0.05	0.21	0.250549
<i>LPIN3</i>	rs6029636	486	0.26	-0.08	-0.23	0.06	0.252102
<i>PPARG</i>	rs12629751	486	0.09	-0.13	-0.35	0.09	0.254351
<i>PPARGC1A</i>	rs4469064	486	0.09	-0.14	-0.37	0.10	0.255345
<i>PPARGC1A</i>	rs10213440	481	0.17	0.10	-0.08	0.28	0.260454
<i>MMP9</i>	rs2250889	485	0.05	0.18	-0.14	0.50	0.266693
<i>CAVI</i>	rs3807989	486	0.41	-0.07	-0.21	0.06	0.269135
<i>PPARG</i>	rs4135268	486	0.07	0.14	-0.11	0.40	0.269950
<i>MTTP</i>	rs1032355	486	0.19	-0.09	-0.25	0.07	0.276391
<i>ATF6</i>	rs7554023	486	0.19	-0.09	-0.26	0.07	0.276587
<i>LPIN3</i>	rs4810312	482	0.41	-0.07	-0.20	0.06	0.281249
<i>PPARGC1A</i>	rs12374408	486	0.29	-0.08	-0.22	0.07	0.283453
<i>NR1I2</i>	rs3814055	486	0.38	-0.07	-0.21	0.06	0.285407
<i>PPARD</i>	rs4713854	486	0.07	-0.15	-0.44	0.14	0.300370
<i>PPARG</i>	rs2938395	486	0.36	0.07	-0.07	0.21	0.301508
<i>LPIN2</i>	rs1059281	485	0.29	0.07	-0.07	0.21	0.311141
<i>PPARGC1A</i>	rs2970848	486	0.33	0.07	-0.07	0.20	0.312674
<i>MMP9</i>	rs3787268	486	0.21	0.08	-0.08	0.24	0.313460
<i>LPL</i>	rs283	485	0.20	-0.08	-0.23	0.07	0.313759
<i>PTGS1</i>	rs5789	485	0.03	-0.18	-0.52	0.17	0.314431
<i>ADRB2</i>	rs1042719	486	0.29	-0.07	-0.22	0.07	0.314959
<i>ATF6</i>	rs1136046	486	0.15	-0.08	-0.26	0.09	0.332467
<i>MLXIPL</i>	rs6967028	486	0.10	0.10	-0.11	0.32	0.336240
<i>NR1I2</i>	rs11926554	485	0.21	-0.08	-0.23	0.08	0.338782
<i>FABP1</i>	rs2919867	486	0.20	-0.07	-0.22	0.08	0.342545
<i>MLXIPL</i>	rs7798357	486	0.26	0.07	-0.07	0.21	0.345831
<i>LPIN2</i>	rs3934427	476	0.11	-0.10	-0.30	0.11	0.346839
<i>LPIN1</i>	rs11695702	486	0.28	-0.06	-0.20	0.07	0.357186
<i>BHLHE40</i>	rs11130215	486	0.19	0.07	-0.08	0.22	0.363054
<i>MTTP</i>	rs1057613	486	0.49	-0.06	-0.19	0.07	0.367716
<i>LPIN2</i>	rs3745013	486	0.35	0.06	-0.07	0.18	0.368604
<i>PPARD</i>	rs6457816	485	0.09	0.10	-0.12	0.32	0.371675
<i>ADRB2</i>	rs1042713	486	0.39	0.06	-0.07	0.20	0.374973

<i>PPARD</i>	rs9658119	485	0.13	0.08	-0.11	0.28	0.389733
<i>LPIN2</i>	rs1985	486	0.31	0.06	-0.07	0.19	0.389880
<i>BHLHE40</i>	rs1467159	486	0.49	0.06	-0.07	0.18	0.391294
<i>ATF6</i>	rs2271012	475	0.09	-0.09	-0.30	0.12	0.400119
<i>FABP1</i>	rs894194	486	0.24	0.06	-0.09	0.21	0.415968
<i>PPARG</i>	rs2120825	486	0.11	-0.09	-0.31	0.13	0.416696
<i>PPARGC1A</i>	rs7437482	486	0.35	0.06	-0.08	0.19	0.418910
<i>PPARG</i>	rs1801282	486	0.13	0.08	-0.11	0.27	0.419352
<i>ADIPOQ</i>	rs822396	486	0.17	0.07	-0.10	0.23	0.421239
<i>PPARGC1A</i>	rs7665116	481	0.13	0.08	-0.11	0.27	0.430420
<i>PPARGC1A</i>	rs2970853	486	0.23	-0.06	-0.21	0.09	0.438027
<i>BHLHE40</i>	rs11925620	486	0.04	-0.12	-0.42	0.18	0.443855
<i>BHLHE40</i>	rs1110261	484	0.21	0.06	-0.10	0.22	0.445467
<i>ATF6</i>	rs12130299	486	0.25	-0.05	-0.19	0.09	0.448212
<i>LPL</i>	rs17410577	486	0.17	-0.06	-0.23	0.10	0.449513
<i>PPARG</i>	rs10510419	485	0.16	0.07	-0.11	0.24	0.453083
<i>PPARD</i>	rs2267668	486	0.16	-0.07	-0.26	0.11	0.454099
<i>PPARG</i>	rs17793693	486	0.10	-0.08	-0.28	0.13	0.459570
<i>PPARGC1A</i>	rs2970847	486	0.17	-0.06	-0.23	0.11	0.467720
<i>ADIPOQ</i>	rs822387	486	0.07	-0.09	-0.34	0.16	0.471699
<i>LPIN1</i>	rs11524	486	0.12	0.07	-0.12	0.27	0.475911
<i>PPARGC1A</i>	rs4697426	486	0.23	-0.06	-0.21	0.10	0.478013
<i>PPARGC1A</i>	rs7657071	486	0.30	-0.05	-0.19	0.09	0.487472
<i>ADIPOQ</i>	rs182052	486	0.36	0.04	-0.08	0.17	0.492822
<i>LPIN3</i>	rs12625565	484	0.22	0.05	-0.10	0.20	0.499166
<i>LPIN3</i>	rs6072343	485	0.14	-0.07	-0.26	0.13	0.501858
<i>CAV1</i>	rs4730751	486	0.28	0.05	-0.09	0.19	0.501938
<i>ATF6</i>	rs12079579	486	0.07	0.08	-0.16	0.33	0.507114
<i>ADIPOQ</i>	rs12495941	486	0.37	-0.04	-0.17	0.09	0.512904
<i>PCK2</i>	rs11629199	486	0.10	-0.07	-0.27	0.14	0.521180
<i>LPIN1</i>	rs893349	486	0.43	0.04	-0.09	0.17	0.535866
<i>ADRB2</i>	rs2400707	486	0.41	-0.04	-0.17	0.09	0.537057
<i>PPARGC1A</i>	rs2932976	486	0.26	0.05	-0.10	0.19	0.539499
<i>MTTP</i>	rs2306985	486	0.37	-0.04	-0.17	0.09	0.542843
<i>CAV1</i>	rs8713	486	0.18	-0.05	-0.22	0.11	0.543365
<i>ADIPOQ</i>	rs3821799	486	0.47	-0.04	-0.16	0.08	0.546946
<i>LEPR</i>	rs1171278	486	0.18	0.05	-0.12	0.22	0.547234
<i>PPARG</i>	rs709157	486	0.29	0.04	-0.10	0.18	0.547755
<i>PPARGC1A</i>	rs17637318	486	0.28	0.04	-0.10	0.18	0.548539
<i>PPARD</i>	rs6902123	486	0.09	0.07	-0.16	0.29	0.548907
<i>LPIN2</i>	rs7233117	486	0.30	0.04	-0.10	0.19	0.551081
<i>ADIPOQ</i>	rs3774261	486	0.41	-0.04	-0.16	0.09	0.553413
<i>LPIN2</i>	rs10853287	486	0.12	0.06	-0.13	0.24	0.556779
<i>CAV1</i>	rs1049337	486	0.27	0.04	-0.10	0.19	0.557777
<i>ATF6</i>	rs1058405	486	0.26	-0.04	-0.18	0.10	0.562317
<i>PPARGC1A</i>	rs11734408	486	0.28	0.04	-0.10	0.18	0.569403
<i>ADIPOQ</i>	rs1501299	486	0.28	-0.04	-0.19	0.10	0.572632
<i>PPARGC1A</i>	rs2279525	462	0.29	-0.04	-0.19	0.10	0.574530
<i>FNTA</i>	rs13282019	486	0.05	0.08	-0.19	0.34	0.575124
<i>PPARGC1A</i>	rs2970855	486	0.33	-0.04	-0.16	0.09	0.584795
<i>PPARGC1A</i>	rs3736265	486	0.07	0.07	-0.18	0.31	0.591846
<i>PPARGC1A</i>	rs4361373	486	0.15	-0.05	-0.22	0.12	0.592337

<i>ATF6</i>	rs2499851	486	0.31	-0.04	-0.17	0.10	0.597744
<i>CAV1</i>	rs3807995	485	0.07	0.06	-0.17	0.30	0.605479
<i>PPARGC1A</i>	rs2946385	486	0.42	-0.03	-0.16	0.09	0.609571
<i>NR1I2</i>	rs1054190	486	0.12	0.05	-0.14	0.24	0.611373
<i>PPARGC1A</i>	rs13117172	486	0.19	-0.04	-0.20	0.12	0.623419
<i>CTSS</i>	rs11576175	486	0.11	-0.05	-0.27	0.16	0.642232
<i>LPIN1</i>	rs2577264	485	0.40	0.03	-0.10	0.17	0.643893
<i>LPL</i>	rs3779788	486	0.16	0.04	-0.13	0.21	0.647572
<i>CAV1</i>	rs3779512	486	0.44	-0.03	-0.16	0.10	0.653847
<i>CTSS</i>	rs7511673	486	0.39	-0.03	-0.16	0.10	0.663902
<i>NR1I2</i>	rs3732361	486	0.38	0.03	-0.10	0.16	0.664922
<i>MMP9</i>	rs3918253	476	0.44	0.03	-0.11	0.17	0.667560
<i>ATF6</i>	rs1135983	486	0.09	-0.04	-0.25	0.17	0.680277
<i>ATF6</i>	rs6695284	486	0.09	-0.04	-0.25	0.17	0.680277
<i>LPIN2</i>	rs6506041	486	0.32	-0.03	-0.17	0.11	0.680389
<i>MTTP</i>	rs881980	486	0.14	-0.04	-0.21	0.14	0.685639
<i>ATF6</i>	rs12044770	484	0.09	-0.04	-0.25	0.17	0.687082
<i>PCK2</i>	rs2071586	474	0.24	0.03	-0.12	0.18	0.690054
<i>PPARGC1A</i>	rs2970869	486	0.22	-0.03	-0.18	0.12	0.690114
<i>LPIN1</i>	rs3795974	486	0.40	0.03	-0.10	0.16	0.693675
<i>BHLHE40</i>	rs11918262	486	0.18	-0.03	-0.19	0.13	0.694130
<i>PPARGC1A</i>	rs9996943	486	0.42	-0.03	-0.15	0.10	0.695759
<i>PCK2</i>	rs2759407	486	0.07	-0.05	-0.28	0.19	0.700331
<i>LPIN1</i>	rs1050800	486	0.16	0.03	-0.14	0.21	0.701813
<i>PPARD</i>	rs2076169	486	0.10	-0.04	-0.28	0.19	0.722993
<i>ATF6</i>	rs12086247	486	0.13	-0.03	-0.22	0.16	0.725078
<i>CTSS</i>	rs1136774	486	0.49	-0.02	-0.15	0.10	0.725563
<i>BHLHE40</i>	rs2137947	486	0.21	0.02	-0.12	0.17	0.730635
<i>PPARGC1A</i>	rs3774921	486	0.46	-0.02	-0.15	0.11	0.730899
<i>PPARGC1A</i>	rs4235308	485	0.41	0.02	-0.11	0.15	0.743569
<i>ADIPOQ</i>	rs17366568	486	0.14	-0.03	-0.20	0.15	0.752758
<i>LPL</i>	rs1534649	485	0.42	-0.02	-0.15	0.11	0.755356
<i>PPARD</i>	rs7744392	485	0.05	0.04	-0.22	0.29	0.760962
<i>FABP1</i>	rs2970902	486	0.37	0.02	-0.11	0.15	0.761464
<i>LPL</i>	rs328	486	0.12	0.03	-0.17	0.23	0.762580
<i>NR1I2</i>	rs16830505	486	0.12	-0.03	-0.23	0.17	0.765073
<i>MTTP</i>	rs2035816	486	0.10	0.03	-0.19	0.26	0.769142
<i>PPARGC1A</i>	rs10002521	486	0.31	-0.02	-0.16	0.12	0.780650
<i>MTTP</i>	rs3828542	486	0.17	0.02	-0.14	0.19	0.782941
<i>CTSS</i>	rs10888390	486	0.36	-0.02	-0.16	0.12	0.783897
<i>PPARGC1A</i>	rs2305681	485	0.05	-0.04	-0.36	0.28	0.811198
<i>FNTA</i>	rs10958736	486	0.11	0.02	-0.18	0.22	0.815010
<i>NR1I2</i>	rs3732360	486	0.26	0.02	-0.13	0.16	0.822207
<i>PPARGC1A</i>	rs1388332	486	0.08	0.03	-0.20	0.25	0.823911
<i>NR1I2</i>	rs1403527	486	0.18	-0.02	-0.19	0.15	0.825249
<i>PPARG</i>	rs2972164	486	0.48	-0.01	-0.14	0.11	0.830412
<i>LEP</i>	rs7788818	486	0.06	0.03	-0.23	0.29	0.832721
<i>PPARGC1A</i>	rs6850464	486	0.14	-0.02	-0.22	0.18	0.835377
<i>MMP9</i>	rs17576	484	0.36	0.01	-0.12	0.15	0.835768
<i>PPARG</i>	rs3856806	486	0.12	-0.02	-0.22	0.18	0.846662
<i>CAV1</i>	rs926198	484	0.37	-0.01	-0.14	0.12	0.847499
<i>LPL</i>	rs316	486	0.13	-0.02	-0.22	0.18	0.847503

<i>NR1I2</i>	rs1403526	486	0.29	-0.01	-0.16	0.13	0.847811
<i>FABP1</i>	rs1441644	485	0.29	-0.01	-0.15	0.13	0.849979
<i>PPARGC1A</i>	rs2970870	486	0.42	-0.01	-0.14	0.12	0.854123
<i>ADIPOQ</i>	rs7649121	485	0.18	0.01	-0.15	0.18	0.867881
<i>ATF6</i>	rs1417580	486	0.45	0.01	-0.12	0.14	0.868189
<i>LPIN2</i>	rs607549	485	0.27	-0.01	-0.15	0.13	0.872154
<i>PPARD</i>	rs11751895	486	0.03	-0.04	-0.49	0.42	0.875844
<i>ADIPOQ</i>	rs2241766	486	0.13	-0.02	-0.20	0.17	0.876076
<i>ADIPOQ</i>	rs2241767	486	0.13	-0.01	-0.20	0.18	0.881476
<i>PPARG</i>	rs10865710	486	0.26	-0.01	-0.15	0.13	0.886216
<i>PCK2</i>	rs1951634	486	0.28	0.01	-0.13	0.15	0.889167
<i>PPARG</i>	rs1797912	486	0.35	0.01	-0.13	0.15	0.891324
<i>FABP1</i>	rs2970903	486	0.11	0.01	-0.18	0.20	0.895714
<i>LPIN2</i>	rs4797092	486	0.08	-0.01	-0.24	0.21	0.902687
<i>NR1I2</i>	rs2461823	486	0.35	0.01	-0.12	0.14	0.909765
<i>LPIN1</i>	rs893346	484	0.06	-0.01	-0.28	0.25	0.915723
<i>LPIN1</i>	rs2577256	486	0.48	0.01	-0.12	0.14	0.917242
<i>PPARG</i>	rs4135247	486	0.42	-0.01	-0.14	0.12	0.924558
<i>LPL</i>	rs248	486	0.07	0.01	-0.26	0.28	0.934901
<i>LPL</i>	rs264	484	0.16	0.01	-0.17	0.18	0.939288
<i>ATF6</i>	rs12026254	484	0.11	0.01	-0.19	0.21	0.947219
<i>LPL</i>	rs249	486	0.09	0.01	-0.20	0.22	0.948931
<i>MLXIPL</i>	rs1051921	483	0.16	0.01	-0.16	0.17	0.950761
<i>LPIN3</i>	rs6029646	484	0.26	0.00	-0.13	0.14	0.953654
<i>PPARGC1A</i>	rs7674429	486	0.17	0.00	-0.17	0.16	0.956482
<i>CEBPB</i>	rs4253449	486	0.05	-0.01	-0.31	0.30	0.957838
<i>CAVI</i>	rs3815412	486	0.25	0.00	-0.14	0.15	0.964576
<i>PPARG</i>	rs4135275	486	0.19	0.00	-0.16	0.16	0.966217
<i>PPARG</i>	rs10510418	486	0.31	0.00	-0.14	0.13	0.975075
<i>MTTP</i>	rs3816873	486	0.28	0.00	-0.15	0.15	0.978081
<i>PPARD</i>	rs2038068	485	0.24	0.00	-0.16	0.16	0.978760
<i>PPARGC1A</i>	rs8192678	486	0.35	0.00	-0.13	0.13	0.979188
<i>ATF6</i>	rs4657100	486	0.11	0.00	-0.20	0.20	0.980589
<i>ATF6</i>	rs4657110	486	0.11	0.00	-0.20	0.20	0.981506
<i>ATF6</i>	rs6670606	486	0.11	0.00	-0.20	0.20	0.981506
<i>ATF6</i>	rs12032568	484	0.11	0.00	-0.20	0.20	0.985979
<i>FABP1</i>	rs2919871	485	0.27	0.00	-0.14	0.14	0.986848
<i>ADIPOQ</i>	rs16861194	486	0.08	0.00	-0.22	0.22	0.996916

Data are given as regression coefficient (B) with lower (L95%CI) and upper (U95%CI) 95% confidence intervals. P-values were derived using linear regression. The gene denotes the locus with the closest proximity to the single nucleotide polymorphism (SNP). N, number of observations; MAF, minor allele frequency.

Supplementary Table 6A. SNP-GI interaction effects on total cholesterol over 6 months*ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LPIN2</i>	rs3934427	480	0.11	-0.18	-0.34	-0.02	0.023705
<i>CEBPB</i>	rs2904254	491	0.17	-0.18	-0.35	-0.02	0.026090
<i>PCK2</i>	rs2759407	491	0.07	-0.14	-0.29	0.01	0.063335
<i>LPIN1</i>	rs893349	491	0.43	-0.29	-0.51	-0.07	0.008732
<i>ADIPOQ</i>	rs822387	491	0.07	-0.12	-0.27	0.03	0.116160
<i>ATF6</i>	rs12130299	491	0.25	-0.21	-0.38	-0.03	0.021023
<i>PPARG</i>	rs13099634	489	0.19	0.07	-0.10	0.24	0.446597
<i>ATF6</i>	rs1136046	491	0.15	0.05	-0.11	0.21	0.543619
<i>ATF6</i>	rs12079579	491	0.07	-0.12	-0.27	0.03	0.117482
<i>ATF6</i>	rs1417580	491	0.45	-0.27	-0.49	-0.04	0.022369
<i>PPARGC1A</i>	rs2970853	491	0.23	0.06	-0.12	0.23	0.524362
<i>PPARGC1A</i>	rs2970847	491	0.17	0.04	-0.13	0.20	0.668878
<i>ATF6</i>	rs2271012	480	0.09	0.01	-0.14	0.16	0.874404
<i>PCK2</i>	rs9783666	489	0.06	-0.11	-0.26	0.03	0.132155
<i>ATF6</i>	rs1135983	491	0.09	0.01	-0.14	0.16	0.896822
<i>ATF6</i>	rs6695284	491	0.09	0.01	-0.14	0.16	0.896822
<i>ATF6</i>	rs12044770	489	0.09	0.01	-0.14	0.16	0.908733
<i>PCK2</i>	rs2071586	479	0.24	-0.18	-0.36	0.01	0.058038
<i>LPIN1</i>	rs2278513	491	0.45	-0.23	-0.45	-0.01	0.040426
<i>LPIN2</i>	rs11665524	491	0.16	0.03	-0.13	0.19	0.694802
<i>LPIN2</i>	rs9635812	491	0.28	0.07	-0.11	0.26	0.431847
<i>PPARG</i>	rs7650895	491	0.19	0.05	-0.12	0.22	0.590256
<i>LPIN1</i>	rs4669778	491	0.46	0.13	-0.10	0.36	0.280253
<i>CAV1</i>	rs1049337	491	0.27	0.06	-0.12	0.24	0.521028
<i>LPIN1</i>	rs2577264	490	0.40	-0.21	-0.42	0.00	0.050208
<i>NR1I2</i>	rs11926554	490	0.21	0.05	-0.13	0.22	0.579322
<i>FABP4</i>	rs10109480	491	0.10	-0.12	-0.28	0.03	0.117989
<i>LPIN2</i>	rs3819090	491	0.29	0.06	-0.13	0.24	0.538792
<i>PPARGC1A</i>	rs3774921	491	0.46	0.11	-0.12	0.33	0.364619
<i>PPARGC1A</i>	rs4235308	490	0.41	-0.19	-0.40	0.02	0.069735
<i>ATF6</i>	rs10737517	490	0.28	0.05	-0.13	0.24	0.564551
<i>LPIN1</i>	rs3795974	491	0.40	-0.19	-0.40	0.02	0.071208
<i>FABP1</i>	rs2919871	490	0.27	-0.16	-0.34	0.03	0.091701
<i>LPIN2</i>	rs11661932	491	0.10	0.00	-0.16	0.15	0.951369
<i>FABP1</i>	rs2970903	491	0.11	-0.13	-0.29	0.03	0.120687
<i>PPARGC1A</i>	rs7682765	491	0.06	-0.01	-0.16	0.13	0.851808
<i>LPL</i>	rs316	491	0.13	0.00	-0.15	0.16	0.958994
<i>ATF6</i>	rs12026254	489	0.11	0.00	-0.16	0.15	0.962098
<i>TLR4</i>	rs913930	491	0.32	0.06	-0.14	0.26	0.532815
<i>ATF6</i>	rs4657110	491	0.11	0.00	-0.16	0.15	0.967894
<i>ATF6</i>	rs6670606	491	0.11	0.00	-0.16	0.15	0.967894
<i>ATF6</i>	rs4657100	491	0.11	0.00	-0.16	0.15	0.966571
<i>ATF6</i>	rs12032568	489	0.11	0.00	-0.16	0.15	0.958255
<i>PPARG</i>	rs12629751	491	0.09	-0.11	-0.26	0.05	0.173397
<i>BHLHE40</i>	rs1588794	491	0.10	0.00	-0.15	0.15	0.997942
<i>NR1I2</i>	rs3814055	491	0.38	0.07	-0.15	0.28	0.543341
<i>ATF6</i>	rs4657101	490	0.27	0.03	-0.15	0.22	0.721697

<i>LPL</i>	rs3779788	491	0.16	0.01	-0.16	0.17	0.937890
<i>LPL</i>	rs285	491	0.49	0.10	-0.14	0.34	0.416398
<i>PPARGC1A</i>	rs2970855	491	0.33	0.04	-0.15	0.24	0.649608
<i>ADRB2</i>	rs1042713	491	0.39	0.07	-0.15	0.28	0.549615
<i>LPL</i>	rs249	491	0.09	-0.01	-0.16	0.14	0.891688
<i>CTSS</i>	rs1136774	491	0.49	0.09	-0.14	0.32	0.460929
<i>MTTP</i>	rs2035816	491	0.10	-0.01	-0.16	0.14	0.913230
<i>ATF6</i>	rs10918215	491	0.30	0.04	-0.15	0.22	0.706413
<i>LPIN1</i>	rs4315495	491	0.42	0.07	-0.15	0.30	0.534474
<i>LEP</i>	rs2071045	491	0.24	0.03	-0.15	0.21	0.757368
<i>MMP9</i>	rs2250889	490	0.05	-0.03	-0.18	0.11	0.666022
<i>ATF6</i>	rs9482	491	0.30	0.03	-0.15	0.21	0.745799
<i>ADIPOQ</i>	rs7649121	490	0.18	0.01	-0.15	0.18	0.861643
<i>CTSS</i>	rs7511673	491	0.39	0.06	-0.15	0.27	0.591534
<i>LPIN3</i>	rs6029636	491	0.26	0.01	-0.18	0.19	0.943864
<i>PPARGC1A</i>	rs4469064	491	0.09	-0.09	-0.24	0.06	0.238208
<i>PPARGC1A</i>	rs9996943	491	0.42	0.05	-0.17	0.27	0.658254
<i>BHLHE40</i>	rs11918262	491	0.18	-0.12	-0.29	0.05	0.160308
<i>BHLHE40</i>	rs2137947	491	0.21	-0.12	-0.29	0.05	0.162786
<i>PPARG</i>	rs10510419	490	0.16	0.00	-0.17	0.17	0.994171
<i>LPIN2</i>	rs607549	490	0.27	-0.13	-0.31	0.05	0.161938
<i>LPIN2</i>	rs1059281	490	0.29	-0.13	-0.32	0.07	0.194938
<i>LPIN1</i>	rs2358126	491	0.46	0.06	-0.18	0.30	0.601014
<i>PPARGC1A</i>	rs10213440	486	0.17	-0.13	-0.29	0.03	0.120903
<i>LPL</i>	rs264	489	0.16	-0.01	-0.17	0.16	0.925562
<i>CTSS</i>	rs10888390	491	0.36	0.04	-0.16	0.24	0.700254
<i>ATF6</i>	rs3767635	491	0.31	0.03	-0.16	0.22	0.755885
<i>ADIPOQ</i>	rs3821799	491	0.47	-0.17	-0.39	0.06	0.148823
<i>LPIN1</i>	rs6726960	491	0.23	0.00	-0.17	0.18	0.976142
<i>FABP1</i>	rs2970902	491	0.37	0.04	-0.17	0.25	0.710483
<i>PPARD</i>	rs4713854	491	0.07	-0.09	-0.23	0.06	0.251055
<i>MTTP</i>	rs982424	491	0.06	-0.08	-0.23	0.07	0.302753
<i>CAV1</i>	rs926198	489	0.37	-0.15	-0.35	0.06	0.157019
<i>LPL</i>	rs270	491	0.14	-0.11	-0.27	0.05	0.170631
<i>LPL</i>	rs17410577	491	0.17	-0.11	-0.28	0.05	0.187131
<i>LPIN2</i>	rs4570954	491	0.20	0.00	-0.17	0.17	0.992388
<i>LPIN2</i>	rs1985	491	0.31	-0.12	-0.32	0.07	0.216474
<i>PPARD</i>	rs2076169	491	0.10	-0.03	-0.18	0.13	0.738242
<i>ATF6</i>	rs2499851	491	0.31	-0.14	-0.33	0.06	0.170564
<i>LPIN2</i>	rs10438875	491	0.23	-0.01	-0.18	0.17	0.952004
<i>LEP</i>	rs11763517	491	0.50	0.06	-0.19	0.30	0.639772
<i>LPIN2</i>	rs3745013	491	0.35	-0.12	-0.33	0.08	0.235736
<i>LPL</i>	rs2197089	491	0.44	-0.14	-0.37	0.08	0.209921
<i>ADRB2</i>	rs1042719	491	0.29	-0.13	-0.32	0.06	0.174058
<i>PPARGC1A</i>	rs2946385	491	0.42	-0.14	-0.35	0.07	0.202485
<i>CEBPB</i>	rs6020348	491	0.42	-0.14	-0.37	0.08	0.199334
<i>ATF6</i>	rs2134697	491	0.27	-0.12	-0.30	0.07	0.210459
<i>LPIN3</i>	rs7263195	491	0.05	-0.03	-0.18	0.11	0.657418
<i>ADIPOQ</i>	rs16861194	491	0.08	-0.03	-0.18	0.12	0.721776
<i>PPARGC1A</i>	rs8192678	491	0.35	-0.13	-0.33	0.07	0.211019
<i>ADIPOQ</i>	rs182052	491	0.36	0.02	-0.18	0.22	0.857139
<i>ADIPOQ</i>	rs12495941	491	0.37	0.02	-0.19	0.22	0.861494

<i>MTTP</i>	rs3816873	491	0.28	0.01	-0.19	0.20	0.927917
<i>LPIN1</i>	rs10520097	491	0.16	-0.02	-0.18	0.15	0.838068
<i>ATF6</i>	rs4417044	491	0.25	-0.01	-0.18	0.17	0.952689
<i>PPARG</i>	rs1797912	491	0.35	-0.13	-0.34	0.08	0.214389
<i>PPARGC1A</i>	rs7437482	491	0.35	-0.15	-0.34	0.05	0.137695
<i>LPIN1</i>	rs11524	491	0.12	-0.09	-0.24	0.07	0.267009
<i>CAV1</i>	rs959173	491	0.16	-0.09	-0.25	0.07	0.277594
<i>LPIN3</i>	rs6029646	489	0.26	-0.01	-0.19	0.16	0.872203
<i>ATF6</i>	rs10918092	486	0.36	0.01	-0.20	0.21	0.949215
<i>LPIN2</i>	rs661767	491	0.30	-0.10	-0.28	0.09	0.308086
<i>FABP4</i>	rs10099756	491	0.30	-0.11	-0.30	0.07	0.236895
<i>ADRB3</i>	rs2071493	491	0.06	-0.02	-0.17	0.13	0.805486
<i>ADIPOQ</i>	rs17366568	491	0.14	-0.10	-0.26	0.06	0.239827
<i>LPIN1</i>	rs2577256	491	0.48	-0.13	-0.37	0.12	0.310459
<i>ADRB3</i>	rs4997	490	0.06	-0.02	-0.17	0.13	0.805544
<i>ATF6</i>	rs1058405	491	0.26	-0.11	-0.29	0.07	0.224046
<i>ATF6</i>	rs12086247	491	0.13	-0.09	-0.24	0.07	0.291133
<i>LPL</i>	rs10099160	490	0.20	-0.02	-0.19	0.15	0.823907
<i>LPIN2</i>	rs642926	491	0.34	-0.09	-0.28	0.10	0.344603
<i>MLXIPL</i>	rs1051921	488	0.16	-0.10	-0.27	0.07	0.253874
<i>PPARG</i>	rs10510418	491	0.31	-0.01	-0.20	0.18	0.945149
<i>CAV1</i>	rs3807989	491	0.41	-0.13	-0.34	0.09	0.260716
<i>PPARG</i>	rs4135268	491	0.07	-0.09	-0.24	0.06	0.245960
<i>BHLHE40</i>	rs1110261	489	0.21	-0.11	-0.28	0.06	0.214239
<i>PPARG</i>	rs4135275	491	0.19	-0.09	-0.26	0.08	0.299014
<i>LPL</i>	rs253	491	0.46	0.01	-0.22	0.24	0.930588
<i>ADRB3</i>	rs4998	490	0.06	-0.02	-0.17	0.13	0.781742
<i>PPARGC1A</i>	rs3774923	477	0.04	-0.04	-0.18	0.11	0.615058
<i>PPARG</i>	rs1801282	491	0.13	-0.09	-0.25	0.07	0.264032
<i>PPARGC1A</i>	rs2279525	466	0.29	-0.08	-0.28	0.12	0.417621
<i>BHLHE40</i>	rs1467159	491	0.49	-0.13	-0.37	0.11	0.278560
<i>PPARG</i>	rs2938395	491	0.36	0.00	-0.21	0.20	0.979463
<i>LPIN3</i>	rs6072343	490	0.14	-0.09	-0.26	0.07	0.261973
<i>PPARG</i>	rs3856806	491	0.12	-0.08	-0.24	0.07	0.304190
<i>CTSS</i>	rs11576175	491	0.11	-0.04	-0.19	0.12	0.632871
<i>PPARG</i>	rs17793693	491	0.10	-0.04	-0.20	0.12	0.633772
<i>MMP9</i>	rs3918253	481	0.44	0.02	-0.22	0.26	0.869146
<i>CAV1</i>	rs2052106	489	0.34	-0.10	-0.30	0.09	0.302313
<i>LPIN1</i>	rs13013930	491	0.25	-0.02	-0.20	0.16	0.816709
<i>PPARGC1A</i>	rs10002521	491	0.31	-0.03	-0.23	0.17	0.793030
<i>MTTP</i>	rs1032355	491	0.19	-0.02	-0.19	0.15	0.810807
<i>CAV1</i>	rs9920	491	0.10	-0.08	-0.23	0.07	0.308310
<i>CAV1</i>	rs3807995	490	0.07	-0.08	-0.23	0.07	0.305698
<i>ADRB3</i>	rs4994	491	0.07	-0.03	-0.17	0.12	0.740501
<i>ATF6</i>	rs2499854	491	0.33	-0.01	-0.20	0.18	0.900752
<i>PPARGC1A</i>	rs7657071	491	0.30	-0.02	-0.21	0.17	0.826440
<i>LPL</i>	rs248	491	0.07	-0.04	-0.19	0.11	0.579616
<i>CAV1</i>	rs3779512	491	0.44	-0.11	-0.33	0.11	0.331824
<i>LPIN2</i>	rs6506041	491	0.32	-0.09	-0.30	0.11	0.364993
<i>MTTP</i>	rs3828542	491	0.17	-0.09	-0.26	0.08	0.300195
<i>PPARGC1A</i>	rs4697426	491	0.23	-0.09	-0.27	0.09	0.320870
<i>PPARGC1A</i>	rs11734408	491	0.28	-0.02	-0.20	0.16	0.830519

<i>PPARD</i>	rs2038068	490	0.24	-0.03	-0.20	0.14	0.718546
<i>PPARGC1A</i>	rs17637318	491	0.28	-0.02	-0.20	0.16	0.828998
<i>NR1I2</i>	rs3732360	491	0.26	-0.09	-0.27	0.09	0.338370
<i>ADIPOQ</i>	rs2241766	491	0.13	-0.08	-0.24	0.08	0.352130
<i>NR1I2</i>	rs16830505	491	0.12	-0.04	-0.20	0.12	0.610665
<i>PPARD</i>	rs11751895	491	0.03	-0.06	-0.20	0.08	0.411648
<i>PPARGC1A</i>	rs4361373	491	0.15	-0.03	-0.20	0.13	0.690308
<i>LPIN2</i>	rs625527	491	0.43	-0.08	-0.30	0.13	0.449646
<i>LPIN1</i>	rs893346	489	0.06	-0.04	-0.19	0.11	0.590218
<i>LPL</i>	rs13702	491	0.33	-0.03	-0.21	0.16	0.794439
<i>LPIN3</i>	rs12625565	489	0.22	-0.04	-0.22	0.14	0.681324
<i>BHLHE40</i>	rs11920786	490	0.15	-0.07	-0.24	0.09	0.385447
<i>PPARG</i>	rs12497191	488	0.14	-0.05	-0.22	0.12	0.568901
<i>FABP1</i>	rs1441644	490	0.29	-0.03	-0.22	0.16	0.743061
<i>PPARG</i>	rs709157	491	0.29	-0.08	-0.27	0.10	0.385030
<i>LPIN3</i>	rs4810312	487	0.41	-0.02	-0.24	0.21	0.889979
<i>LEP</i>	rs11760956	482	0.38	-0.02	-0.24	0.20	0.860180
<i>LPIN1</i>	rs1050800	491	0.16	-0.07	-0.23	0.10	0.410732
<i>MTTP</i>	rs17029213	491	0.03	-0.04	-0.19	0.10	0.549015
<i>MTTP</i>	rs1057613	491	0.49	-0.02	-0.27	0.23	0.896196
<i>FABP1</i>	rs2241883	491	0.33	-0.03	-0.23	0.17	0.774285
<i>MMP9</i>	rs3787268	491	0.21	-0.04	-0.21	0.14	0.691481
<i>FNTA</i>	rs13282019	491	0.05	-0.07	-0.22	0.08	0.369943
<i>LPIN2</i>	rs10853287	491	0.12	-0.04	-0.20	0.12	0.617787
<i>LPIN2</i>	rs4797092	491	0.08	-0.04	-0.19	0.11	0.594643
<i>PPARGC1A</i>	rs13117172	491	0.19	-0.04	-0.20	0.13	0.669674
<i>ATF6</i>	rs1394070	491	0.14	-0.07	-0.23	0.09	0.375892
<i>PPARD</i>	rs6457816	490	0.09	-0.04	-0.20	0.11	0.572643
<i>LPL</i>	rs283	490	0.20	-0.08	-0.25	0.10	0.392026
<i>NR1I2</i>	rs1403526	491	0.29	-0.04	-0.23	0.16	0.723042
<i>PPARG</i>	rs2972164	491	0.48	-0.09	-0.32	0.14	0.430216
<i>NR1I2</i>	rs1403527	491	0.18	-0.08	-0.24	0.09	0.371571
<i>MTTP</i>	rs881980	491	0.14	-0.08	-0.24	0.08	0.343131
<i>PPARG</i>	rs10865710	491	0.26	-0.08	-0.26	0.11	0.419968
<i>ATF6</i>	rs7554023	491	0.19	-0.08	-0.25	0.09	0.346875
<i>NR1I2</i>	rs1054190	491	0.12	-0.05	-0.21	0.11	0.524168
<i>PPARD</i>	rs2267668	491	0.16	-0.05	-0.21	0.12	0.576426
<i>PPARGC1A</i>	rs7674429	491	0.17	-0.04	-0.21	0.12	0.600310
<i>NR1I2</i>	rs3732361	491	0.38	-0.08	-0.29	0.13	0.468311
<i>BHLHE40</i>	rs908078	491	0.17	-0.05	-0.21	0.12	0.578370
<i>PPARG</i>	rs4135247	491	0.42	-0.08	-0.30	0.14	0.471981
<i>CAV1</i>	rs3815412	491	0.25	-0.08	-0.26	0.10	0.396359
<i>PCK2</i>	rs1951634	491	0.28	-0.04	-0.23	0.14	0.653312
<i>ADIPOQ</i>	rs2241767	491	0.13	-0.07	-0.22	0.09	0.424723
<i>ADIPOQ</i>	rs822396	491	0.17	-0.05	-0.21	0.12	0.569517
<i>PPARGC1A</i>	rs2305681	490	0.05	-0.05	-0.20	0.09	0.480233
<i>CEBPB</i>	rs4253449	491	0.05	-0.06	-0.21	0.08	0.401976
<i>LEP</i>	rs2278815	491	0.46	-0.04	-0.26	0.19	0.756778
<i>LPIN3</i>	rs6065338	490	0.18	-0.07	-0.24	0.10	0.403683
<i>MLXIPL</i>	rs7798357	491	0.26	-0.07	-0.25	0.12	0.487953
<i>LPIN1</i>	rs11695702	491	0.28	-0.05	-0.24	0.14	0.636489
<i>MMP9</i>	rs17576	489	0.36	-0.07	-0.28	0.15	0.535329

<i>PPARGC1A</i>	rs2970870	491	0.42	-0.05	-0.27	0.17	0.682009
<i>MTTP</i>	rs2306985	491	0.37	-0.04	-0.25	0.16	0.676464
<i>BHLHE40</i>	rs11925620	491	0.04	-0.06	-0.21	0.08	0.393920
<i>CAVI</i>	rs4730751	491	0.28	-0.05	-0.23	0.14	0.606892
<i>ATF6</i>	rs3795649	491	0.38	-0.04	-0.25	0.17	0.700358
<i>PPARG</i>	rs2120825	491	0.11	-0.06	-0.21	0.10	0.450964
<i>PPARGC1A</i>	rs6850464	491	0.14	-0.04	-0.20	0.11	0.582752
<i>LPL</i>	rs1534649	490	0.42	-0.07	-0.29	0.15	0.543493
<i>CAVI</i>	rs8713	491	0.18	-0.05	-0.22	0.11	0.535873
<i>MLXIPL</i>	rs6967028	491	0.10	-0.05	-0.21	0.10	0.490810
<i>ADRB2</i>	rs2400707	491	0.41	-0.05	-0.28	0.18	0.689698
<i>PCK2</i>	rs11629199	491	0.10	-0.06	-0.21	0.10	0.481377
<i>FNTA</i>	rs10958736	491	0.11	-0.05	-0.21	0.10	0.499118
<i>FABP1</i>	rs894194	491	0.24	-0.07	-0.25	0.11	0.470343
<i>NR1I2</i>	rs2461823	491	0.35	-0.05	-0.26	0.15	0.623356
<i>PPARD</i>	rs6902123	491	0.09	-0.05	-0.21	0.10	0.476326
<i>LPL</i>	rs328	491	0.12	-0.06	-0.22	0.10	0.443043
<i>PPARGC1A</i>	rs1388332	491	0.08	-0.06	-0.21	0.09	0.455962
<i>PPARGC1A</i>	rs3736265	491	0.07	-0.06	-0.21	0.09	0.456718
<i>LPIN2</i>	rs1164	491	0.19	-0.05	-0.21	0.12	0.589939
<i>ADIPOQ</i>	rs1501299	491	0.28	-0.05	-0.24	0.14	0.607716
<i>PPARGC1A</i>	rs2970869	491	0.22	-0.07	-0.25	0.12	0.471628
<i>LPIN1</i>	rs2577261	491	0.10	-0.05	-0.21	0.10	0.482103
<i>FABP1</i>	rs2919867	491	0.20	-0.06	-0.23	0.11	0.505112
<i>BHLHE40</i>	rs11130215	491	0.19	-0.05	-0.22	0.11	0.525495
<i>PPARGC1A</i>	rs2970848	491	0.33	-0.06	-0.25	0.13	0.550488
<i>PPARD</i>	rs9658119	490	0.13	-0.05	-0.21	0.11	0.526205
<i>PPARGC1A</i>	rs12374408	491	0.29	-0.07	-0.26	0.12	0.487089
<i>PPARGC1A</i>	rs12500214	491	0.22	-0.06	-0.24	0.11	0.490934
<i>LPIN3</i>	rs4812495	483	0.14	-0.06	-0.22	0.10	0.484193
<i>ADIPOQ</i>	rs3774261	491	0.41	-0.06	-0.27	0.15	0.596666
<i>PPARGC1A</i>	rs2932976	491	0.26	-0.06	-0.23	0.12	0.546613
<i>FABP4</i>	rs16909192	491	0.19	-0.06	-0.22	0.11	0.509290
<i>LEP</i>	rs7788818	491	0.06	-0.07	-0.22	0.08	0.356860
<i>LPIN2</i>	rs7233117	491	0.30	-0.06	-0.25	0.13	0.563165
<i>LPIN3</i>	rs16985665	491	0.20	-0.08	-0.25	0.09	0.364004
<i>PPARD</i>	rs7744392	490	0.05	-0.05	-0.20	0.09	0.469006
<i>PPARGC1A</i>	rs7665116	486	0.13	-0.07	-0.23	0.09	0.417806

Supplementary Table 6B. SNP-GI interaction effects on LDL-cholesterol over 6 months
ad libitum diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>LPIN2</i>	rs3934427	481	0.11	0.46	0.19	0.73	0.000794
<i>LPIN1</i>	rs893349	491	0.43	0.24	0.07	0.41	0.004972
<i>PCK2</i>	rs2759407	491	0.07	0.39	0.08	0.70	0.013553
<i>CEBPB</i>	rs2904254	491	0.17	0.29	0.05	0.53	0.016674
<i>ATF6</i>	rs12130299	491	0.25	0.23	0.04	0.42	0.017306
<i>LPIN1</i>	rs3795974	491	0.40	0.20	0.02	0.37	0.026428
<i>LPIN1</i>	rs2577264	490	0.40	0.20	0.02	0.38	0.026451
<i>ATF6</i>	rs1136046	491	0.15	-0.26	-0.49	-0.02	0.030005
<i>LPIN1</i>	rs2278513	491	0.45	0.19	0.02	0.36	0.031216
<i>ATF6</i>	rs2271012	480	0.09	-0.31	-0.60	-0.03	0.032983
<i>ATF6</i>	rs1417580	491	0.45	0.19	0.01	0.36	0.033233
<i>ADIPOQ</i>	rs822387	491	0.07	0.35	0.02	0.68	0.040361
<i>FABP1</i>	rs2970903	491	0.11	0.26	0.01	0.52	0.045122
<i>LPIN1</i>	rs6726960	491	0.23	-0.20	-0.40	0.00	0.047976
<i>PPARGC1A</i>	rs2970847	491	0.17	-0.22	-0.44	0.00	0.047989
<i>PPARG</i>	rs13099634	489	0.19	-0.22	-0.45	0.00	0.049095
<i>ATF6</i>	rs1135983	491	0.09	-0.28	-0.56	0.00	0.049953
<i>ATF6</i>	rs6695284	491	0.09	-0.28	-0.56	0.00	0.049953
<i>ATF6</i>	rs12044770	489	0.09	-0.28	-0.56	0.00	0.051489
<i>PPARGC1A</i>	rs2970853	491	0.23	-0.20	-0.40	0.00	0.054140
<i>LPL</i>	rs249	491	0.09	-0.28	-0.56	0.01	0.057025
<i>ATF6</i>	rs12079579	491	0.07	0.33	-0.01	0.66	0.057202
<i>PCK2</i>	rs9783666	489	0.06	0.33	-0.01	0.67	0.059064
<i>LPL</i>	rs285	491	0.49	-0.16	-0.34	0.01	0.067881
<i>CAV1</i>	rs1049337	491	0.27	-0.18	-0.37	0.01	0.069911
<i>CTSS</i>	rs7511673	491	0.39	-0.16	-0.34	0.02	0.075148
<i>ADRB2</i>	rs1042713	491	0.39	-0.16	-0.34	0.02	0.080431
<i>LPL</i>	rs3779788	491	0.16	-0.20	-0.43	0.02	0.080607
<i>LPL</i>	rs264	489	0.16	-0.21	-0.44	0.03	0.089502
<i>ATF6</i>	rs4657101	490	0.27	-0.17	-0.36	0.03	0.096257
<i>LPIN2</i>	rs9635812	491	0.28	-0.16	-0.35	0.03	0.099507
<i>LPIN1</i>	rs4669778	491	0.46	-0.14	-0.31	0.03	0.105523
<i>PPARG</i>	rs7650895	491	0.19	-0.18	-0.40	0.04	0.110562
<i>PPARGC1A</i>	rs4235308	490	0.41	0.14	-0.03	0.32	0.114787
<i>LPIN2</i>	rs3819090	491	0.29	-0.15	-0.33	0.04	0.119287
<i>LEP</i>	rs11763517	491	0.50	-0.14	-0.31	0.04	0.123023
<i>CTSS</i>	rs1136774	491	0.49	-0.13	-0.30	0.04	0.144134
<i>FABP1</i>	rs2919871	490	0.27	0.15	-0.05	0.34	0.146435
<i>LPIN2</i>	rs11665524	491	0.16	-0.16	-0.39	0.06	0.146724
<i>ATF6</i>	rs12026254	489	0.11	-0.20	-0.47	0.07	0.148864
<i>ATF6</i>	rs4657100	491	0.11	-0.20	-0.46	0.07	0.149232
<i>ATF6</i>	rs4657110	491	0.11	-0.20	-0.46	0.07	0.149315
<i>ATF6</i>	rs6670606	491	0.11	-0.20	-0.46	0.07	0.149315
<i>ATF6</i>	rs12032568	489	0.11	-0.20	-0.46	0.07	0.150317
<i>ATF6</i>	rs3767635	491	0.31	-0.14	-0.32	0.05	0.154195
<i>MTTP</i>	rs2035816	491	0.10	-0.22	-0.52	0.08	0.154745
<i>CTSS</i>	rs10888390	491	0.36	-0.13	-0.32	0.05	0.166166

<i>PPARGC1A</i>	rs2970855	491	0.33	-0.12	-0.29	0.05	0.168181
<i>PPARGC1A</i>	rs9996943	491	0.42	-0.12	-0.29	0.05	0.173008
<i>PPARG</i>	rs10510419	490	0.16	-0.16	-0.39	0.07	0.176154
<i>ATF6</i>	rs10737517	490	0.28	-0.12	-0.31	0.06	0.189241
<i>ADRB2</i>	rs1042719	491	0.29	0.13	-0.07	0.33	0.198877
<i>ATF6</i>	rs2134697	491	0.27	0.13	-0.07	0.33	0.200962
<i>PPARGC1A</i>	rs7682765	491	0.06	-0.23	-0.58	0.13	0.205581
<i>MTTP</i>	rs3816873	491	0.28	-0.13	-0.32	0.07	0.207078
<i>LPIN2</i>	rs10438875	491	0.23	-0.14	-0.35	0.08	0.208024
<i>ADIPOQ</i>	rs7649121	490	0.18	-0.14	-0.35	0.08	0.217634
<i>PPARG</i>	rs12497191	488	0.14	-0.16	-0.41	0.10	0.230799
<i>NR1I2</i>	rs3732360	491	0.26	0.12	-0.08	0.32	0.236644
<i>PCK2</i>	rs2071586	479	0.24	0.12	-0.08	0.33	0.239665
<i>PPARGC1A</i>	rs2279525	467	0.29	0.12	-0.08	0.32	0.240551
<i>PPARGC1A</i>	rs6850464	491	0.14	-0.15	-0.41	0.10	0.241411
<i>BHLHE40</i>	rs1588794	491	0.10	-0.17	-0.47	0.12	0.246373
<i>ATF6</i>	rs2499851	491	0.31	0.11	-0.07	0.29	0.246666
<i>LPIN1</i>	rs2358126	491	0.46	-0.10	-0.28	0.07	0.260173
<i>LPL</i>	rs270	491	0.14	0.14	-0.10	0.38	0.260437
<i>CEBPB</i>	rs6020348	491	0.42	0.10	-0.07	0.27	0.263202
<i>LPIN2</i>	rs661767	491	0.30	0.10	-0.08	0.29	0.263752
<i>PPARGC1A</i>	rs3774921	491	0.46	-0.10	-0.27	0.08	0.272007
<i>PPARG</i>	rs4135275	491	0.19	0.12	-0.10	0.34	0.273262
<i>NR1I2</i>	rs11926554	490	0.21	-0.12	-0.33	0.09	0.277267
<i>NR1I2</i>	rs3814055	491	0.38	-0.10	-0.28	0.08	0.278624
<i>PPARD</i>	rs4713854	491	0.07	0.21	-0.17	0.60	0.278934
<i>LPIN1</i>	rs4315495	491	0.42	-0.10	-0.27	0.08	0.284512
<i>LPL</i>	rs2197089	491	0.44	0.09	-0.08	0.26	0.285434
<i>LPIN2</i>	rs11661932	491	0.10	-0.16	-0.45	0.13	0.287229
<i>PPARGC1A</i>	rs2946385	491	0.42	0.09	-0.08	0.25	0.306964
<i>PPARGC1A</i>	rs3774923	478	0.04	-0.24	-0.71	0.23	0.311192
<i>PPARGC1A</i>	rs4469064	491	0.09	0.16	-0.15	0.48	0.315545
<i>LPIN2</i>	rs607549	490	0.27	0.10	-0.09	0.29	0.323920
<i>LPIN2</i>	rs1059281	490	0.29	0.09	-0.09	0.28	0.328023
<i>BHLHE40</i>	rs11918262	491	0.18	0.10	-0.11	0.32	0.342582
<i>LPL</i>	rs17410577	491	0.17	0.11	-0.12	0.33	0.343358
<i>LPIN1</i>	rs893346	489	0.06	-0.17	-0.52	0.18	0.343813
<i>MTTP</i>	rs1057613	491	0.49	-0.09	-0.27	0.09	0.345753
<i>ATF6</i>	rs10918215	491	0.30	-0.09	-0.26	0.09	0.346218
<i>FABP1</i>	rs2970902	491	0.37	-0.09	-0.27	0.09	0.346602
<i>MLXIPL</i>	rs1051921	488	0.16	0.11	-0.12	0.33	0.352679
<i>NR1I2</i>	rs1054190	491	0.12	-0.12	-0.37	0.13	0.354182
<i>LPIN3</i>	rs7263195	491	0.05	-0.17	-0.54	0.19	0.357134
<i>ATF6</i>	rs9482	491	0.30	-0.08	-0.26	0.10	0.364299
<i>ATF6</i>	rs10918092	485	0.36	-0.08	-0.26	0.10	0.367090
<i>ADIPOQ</i>	rs12495941	491	0.37	-0.08	-0.25	0.09	0.367801
<i>PPARG</i>	rs4135268	491	0.07	0.16	-0.19	0.51	0.370766
<i>BHLHE40</i>	rs2137947	491	0.21	0.09	-0.10	0.28	0.371222
<i>LPIN3</i>	rs6029636	491	0.26	-0.09	-0.28	0.11	0.374446
<i>LEP</i>	rs2071045	491	0.24	-0.09	-0.30	0.11	0.375892
<i>PPARGC1A</i>	rs7657071	491	0.30	-0.09	-0.28	0.11	0.378071
<i>LPIN1</i>	rs2577256	491	0.48	0.08	-0.10	0.26	0.382104

<i>PPARGC1A</i>	rs7674429	491	0.17	-0.10	-0.33	0.13	0.383596
<i>MTTP</i>	rs982424	491	0.06	0.16	-0.21	0.53	0.383825
<i>PPARGC1A</i>	rs10213440	486	0.17	0.11	-0.13	0.35	0.386781
<i>MLXIPL</i>	rs7798357	491	0.26	0.08	-0.11	0.27	0.388187
<i>PPARGC1A</i>	rs13117172	491	0.19	-0.10	-0.32	0.13	0.394403
<i>LPL</i>	rs328	491	0.12	-0.12	-0.40	0.16	0.397877
<i>LPIN1</i>	rs10520097	491	0.16	-0.10	-0.32	0.13	0.399300
<i>MMP9</i>	rs2250889	490	0.05	-0.18	-0.61	0.25	0.403513
<i>ATF6</i>	rs12086247	491	0.13	0.11	-0.15	0.36	0.403860
<i>LPL</i>	rs316	491	0.13	-0.11	-0.38	0.16	0.407774
<i>PPARD</i>	rs6457816	490	0.09	-0.13	-0.42	0.17	0.412153
<i>FABP4</i>	rs10109480	491	0.10	0.11	-0.15	0.37	0.415116
<i>LPL</i>	rs253	491	0.46	-0.07	-0.25	0.10	0.416316
<i>CTSS</i>	rs11576175	491	0.11	-0.12	-0.41	0.17	0.417402
<i>LPIN3</i>	rs12625565	489	0.22	-0.08	-0.28	0.12	0.432049
<i>PPARGC1A</i>	rs4697426	491	0.23	0.08	-0.13	0.29	0.434383
<i>PPARG</i>	rs17793693	491	0.10	-0.11	-0.38	0.17	0.439162
<i>PPARGC1A</i>	rs2970870	491	0.42	-0.07	-0.25	0.11	0.446384
<i>PPARG</i>	rs2938395	491	0.36	-0.07	-0.26	0.11	0.449338
<i>LPL</i>	rs10099160	490	0.20	-0.08	-0.28	0.13	0.449702
<i>LPIN2</i>	rs10853287	491	0.12	-0.10	-0.36	0.16	0.450668
<i>LPIN2</i>	rs3745013	491	0.35	0.06	-0.11	0.23	0.462204
<i>PPARD</i>	rs6902123	491	0.09	-0.11	-0.42	0.19	0.464447
<i>LPIN1</i>	rs13013930	491	0.25	-0.07	-0.27	0.12	0.466755
<i>LPIN2</i>	rs4797092	491	0.08	-0.12	-0.43	0.20	0.468468
<i>CAV1</i>	rs3807995	490	0.07	0.12	-0.20	0.43	0.472668
<i>LEP</i>	rs2278815	491	0.46	-0.06	-0.24	0.11	0.476480
<i>MTTP</i>	rs1032355	491	0.19	-0.08	-0.31	0.14	0.477021
<i>ATF6</i>	rs1394070	491	0.14	0.09	-0.16	0.35	0.479599
<i>PPARD</i>	rs9658119	490	0.13	-0.09	-0.35	0.17	0.480283
<i>ADRB3</i>	rs2071493	491	0.06	-0.13	-0.48	0.23	0.481766
<i>PPARD</i>	rs2076169	491	0.10	-0.11	-0.43	0.20	0.482140
<i>ADRB3</i>	rs4997	490	0.06	-0.12	-0.48	0.23	0.493293
<i>PPARGC1A</i>	rs2932976	491	0.26	0.07	-0.13	0.27	0.500028
<i>LPIN2</i>	rs6506041	491	0.32	0.06	-0.12	0.25	0.511285
<i>LPIN1</i>	rs11524	491	0.12	0.09	-0.18	0.35	0.513087
<i>PPARD</i>	rs11751895	491	0.03	0.20	-0.42	0.82	0.525053
<i>PPARGC1A</i>	rs2970869	491	0.22	0.07	-0.14	0.27	0.526070
<i>PPARGC1A</i>	rs7437482	491	0.35	0.06	-0.12	0.24	0.526566
<i>FABP1</i>	rs2241883	491	0.33	-0.06	-0.24	0.12	0.526818
<i>LEP</i>	rs11760956	482	0.38	-0.06	-0.24	0.12	0.530167
<i>LPIN3</i>	rs6029646	489	0.26	-0.06	-0.25	0.13	0.543193
<i>ATF6</i>	rs4417044	491	0.25	-0.06	-0.25	0.13	0.544590
<i>ADIPOQ</i>	rs3821799	491	0.47	0.05	-0.11	0.21	0.549462
<i>BHLHE40</i>	rs11920786	490	0.15	0.07	-0.16	0.30	0.553081
<i>PPARD</i>	rs2038068	490	0.24	-0.06	-0.28	0.15	0.553213
<i>CAV1</i>	rs8713	491	0.18	-0.07	-0.29	0.16	0.553437
<i>LPIN2</i>	rs642926	491	0.34	0.05	-0.12	0.23	0.560474
<i>PPARG</i>	rs1801282	491	0.13	0.07	-0.18	0.33	0.574530
<i>PPARGC1A</i>	rs8192678	491	0.35	0.05	-0.13	0.23	0.576754
<i>CAV1</i>	rs959173	491	0.16	0.07	-0.17	0.31	0.582980
<i>LPIN2</i>	rs1985	491	0.31	0.05	-0.13	0.23	0.584633

<i>ATF6</i>	rs1058405	491	0.26	0.05	-0.14	0.24	0.589873
<i>LPL</i>	rs13702	491	0.33	-0.05	-0.23	0.13	0.594415
<i>PCK2</i>	rs11629199	491	0.10	-0.08	-0.36	0.20	0.594494
<i>CAV1</i>	rs9920	491	0.10	0.08	-0.21	0.36	0.597903
<i>ADIPOQ</i>	rs17366568	491	0.14	0.06	-0.17	0.30	0.600808
<i>MMP9</i>	rs3918253	481	0.44	-0.05	-0.23	0.14	0.601709
<i>ADIPOQ</i>	rs16861194	491	0.08	-0.08	-0.37	0.22	0.601995
<i>ADRB3</i>	rs4998	490	0.06	-0.09	-0.44	0.26	0.613165
<i>MTTP</i>	rs17029213	491	0.03	-0.13	-0.64	0.38	0.625679
<i>NR1I2</i>	rs3732361	491	0.38	0.04	-0.13	0.21	0.631734
<i>PPARGC1A</i>	rs3736265	491	0.07	-0.08	-0.40	0.25	0.644090
<i>MTTP</i>	rs3828542	491	0.17	0.05	-0.17	0.28	0.647827
<i>ADRB3</i>	rs4994	491	0.07	-0.08	-0.43	0.27	0.648635
<i>FABP4</i>	rs10099756	491	0.30	0.04	-0.14	0.23	0.649805
<i>NR1I2</i>	rs2461823	491	0.35	0.04	-0.14	0.22	0.652730
<i>ATF6</i>	rs3795649	491	0.38	-0.04	-0.22	0.14	0.653268
<i>PCK2</i>	rs1951634	491	0.28	-0.04	-0.24	0.15	0.655110
<i>PPARG</i>	rs12629751	491	0.09	0.07	-0.24	0.38	0.656210
<i>PPARG</i>	rs1797912	491	0.35	0.04	-0.14	0.22	0.676801
<i>PPARD</i>	rs7744392	490	0.05	-0.07	-0.42	0.27	0.678790
<i>PPARGC1A</i>	rs2970848	491	0.33	0.04	-0.15	0.22	0.684887
<i>LPIN2</i>	rs625527	491	0.43	0.04	-0.13	0.20	0.685000
<i>PPARGC1A</i>	rs1388332	491	0.08	-0.06	-0.37	0.24	0.691638
<i>PPARG</i>	rs4135247	491	0.42	0.04	-0.14	0.21	0.692758
<i>PPARG</i>	rs10510418	491	0.31	-0.04	-0.22	0.14	0.693724
<i>PPARG</i>	rs10865710	491	0.26	-0.04	-0.23	0.16	0.708380
<i>LPIN1</i>	rs2577261	491	0.10	-0.05	-0.34	0.23	0.710357
<i>BHLHE40</i>	rs1110261	489	0.21	0.04	-0.17	0.25	0.723975
<i>LPIN3</i>	rs4810312	487	0.41	-0.03	-0.21	0.14	0.724195
<i>MTTP</i>	rs2306985	491	0.37	-0.03	-0.21	0.15	0.737942
<i>LPIN1</i>	rs1050800	491	0.16	0.04	-0.20	0.28	0.738041
<i>CAV1</i>	rs926198	489	0.37	0.03	-0.15	0.20	0.744187
<i>LPIN3</i>	rs6065338	490	0.18	-0.04	-0.26	0.19	0.753278
<i>FNTA</i>	rs10958736	491	0.11	0.04	-0.23	0.31	0.767977
<i>ATF6</i>	rs2499854	491	0.33	-0.03	-0.20	0.15	0.780264
<i>PPARG</i>	rs3856806	491	0.12	0.04	-0.23	0.30	0.780325
<i>NR1I2</i>	rs1403526	491	0.29	-0.03	-0.22	0.17	0.789382
<i>LPIN3</i>	rs6072343	490	0.14	0.03	-0.22	0.29	0.791792
<i>BHLHE40</i>	rs11925620	491	0.04	-0.05	-0.44	0.34	0.793133
<i>ADIPOQ</i>	rs2241766	491	0.13	0.03	-0.22	0.29	0.798117
<i>FNTA</i>	rs13282019	491	0.05	0.05	-0.32	0.41	0.804287
<i>LPIN2</i>	rs7233117	491	0.30	-0.02	-0.22	0.17	0.806204
<i>NR1I2</i>	rs16830505	491	0.12	0.03	-0.24	0.30	0.812189
<i>PPARG</i>	rs2972164	491	0.48	0.02	-0.15	0.19	0.821409
<i>ADIPOQ</i>	rs3774261	491	0.41	-0.02	-0.19	0.15	0.824246
<i>PPARGC1A</i>	rs11734408	491	0.28	-0.02	-0.21	0.17	0.830643
<i>NR1I2</i>	rs1403527	491	0.18	-0.02	-0.26	0.21	0.836017
<i>LPL</i>	rs248	491	0.07	0.04	-0.33	0.41	0.838473
<i>PPARGC1A</i>	rs17637318	491	0.28	-0.02	-0.21	0.17	0.840775
<i>FABP4</i>	rs16909192	491	0.19	0.02	-0.21	0.26	0.845322
<i>PPARG</i>	rs2120825	491	0.11	0.03	-0.25	0.31	0.845587
<i>MMP9</i>	rs3787268	491	0.21	-0.02	-0.23	0.19	0.848336

<i>PPARGCIA</i>	rs12500214	491	0.22	-0.02	-0.23	0.19	0.849442
<i>LPIN2</i>	rs1164	491	0.19	0.02	-0.19	0.23	0.851181
<i>FABP1</i>	rs894194	491	0.24	-0.02	-0.22	0.18	0.855027
<i>LPIN3</i>	rs16985665	491	0.20	0.02	-0.20	0.24	0.855436
<i>MTTP</i>	rs881980	491	0.14	0.02	-0.22	0.26	0.857096
<i>ADIPOQ</i>	rs822396	491	0.17	-0.02	-0.25	0.20	0.858208
<i>CAV1</i>	rs4730751	491	0.28	-0.02	-0.20	0.17	0.858503
<i>MLXIPL</i>	rs6967028	491	0.10	0.03	-0.26	0.32	0.858535
<i>FABP1</i>	rs1441644	490	0.29	0.02	-0.17	0.21	0.862305
<i>PPARD</i>	rs2267668	491	0.16	-0.02	-0.27	0.23	0.867908
<i>ADIPOQ</i>	rs1501299	491	0.28	-0.02	-0.21	0.18	0.869653
<i>PPARG</i>	rs709157	491	0.29	0.01	-0.17	0.20	0.893034
<i>PPARGCIA</i>	rs10002521	491	0.31	0.01	-0.18	0.20	0.915494
<i>ADIPOQ</i>	rs182052	491	0.36	-0.01	-0.18	0.16	0.917866
<i>LEP</i>	rs7788818	491	0.06	0.02	-0.35	0.38	0.934960
<i>LPL</i>	rs1534649	490	0.42	0.01	-0.17	0.19	0.936553
<i>CAV1</i>	rs3779512	491	0.44	0.01	-0.17	0.18	0.938823
<i>CAV1</i>	rs3815412	491	0.25	-0.01	-0.20	0.19	0.938856
<i>PPARGCIA</i>	rs2305681	490	0.05	0.02	-0.41	0.45	0.940411
<i>PPARGCIA</i>	rs12374408	491	0.29	-0.01	-0.20	0.19	0.940566
<i>LPL</i>	rs283	490	0.20	-0.01	-0.21	0.20	0.947620
<i>ADIPOQ</i>	rs2241767	491	0.13	-0.01	-0.27	0.25	0.950748
<i>FABP1</i>	rs2919867	491	0.20	0.01	-0.20	0.21	0.951761
<i>MMP9</i>	rs17576	489	0.36	0.01	-0.18	0.19	0.953402
<i>PPARGCIA</i>	rs4361373	491	0.15	-0.01	-0.24	0.23	0.953726
<i>ATF6</i>	rs7554023	491	0.19	-0.01	-0.23	0.22	0.954130
<i>APP</i>	rs17514385	491	0.08	0.01	-0.29	0.31	0.956180
<i>LPIN3</i>	rs4812495	483	0.14	0.01	-0.25	0.26	0.956770
<i>CEBPB</i>	rs4253449	491	0.05	0.01	-0.40	0.43	0.959436
<i>LPIN2</i>	rs4570954	491	0.20	-0.01	-0.22	0.21	0.962339
<i>BHLHE40</i>	rs1467159	491	0.49	0.00	-0.16	0.17	0.963636
<i>LPIN1</i>	rs11695702	491	0.28	0.00	-0.19	0.18	0.968002
<i>CAV1</i>	rs3807989	491	0.41	0.00	-0.18	0.18	0.979543
<i>BHLHE40</i>	rs11130215	491	0.19	0.00	-0.20	0.21	0.982648
<i>PPARGCIA</i>	rs7665116	486	0.13	0.00	-0.26	0.26	0.986184
<i>ADRB2</i>	rs2400707	491	0.41	0.00	-0.18	0.18	0.994822
<i>BHLHE40</i>	rs908078	491	0.17	0.00	-0.22	0.23	0.997418
<i>CAV1</i>	rs2052106	489	0.34	0.00	-0.19	0.19	0.998529

Supplementary Table 6C. SNP-GI interaction effects on HDL-cholesterol over 6 months*ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
CAV1	rs926198	491	0.37	0.10	0.04	0.17	0.001755
PCK2	rs2071586	481	0.24	0.11	0.04	0.19	0.004076
NR1I2	rs11926554	492	0.21	-0.10	-0.18	-0.02	0.011848
PPARGC1A	rs4469064	493	0.09	0.14	0.03	0.26	0.017371
FABP4	rs10099756	493	0.30	0.08	0.01	0.15	0.018401
LPIN2	rs11661932	493	0.10	-0.13	-0.23	-0.02	0.024036
LPL	rs3779788	493	0.16	-0.10	-0.18	-0.01	0.024254
CEBPB	rs2904254	493	0.17	0.10	0.01	0.19	0.026772
NR1I2	rs1054190	493	0.12	0.10	0.01	0.19	0.038514
NR1I2	rs1403526	493	0.29	-0.08	-0.15	0.00	0.039512
LPIN2	rs4570954	493	0.20	-0.08	-0.16	0.00	0.041288
FABP4	rs10109480	493	0.10	0.10	0.00	0.20	0.046759
CAV1	rs959173	493	0.16	0.09	0.00	0.18	0.047120
CAV1	rs1049337	493	0.27	-0.07	-0.15	0.00	0.048120
ATF6	rs12026254	491	0.11	-0.10	-0.20	0.00	0.048144
LPIN2	rs11665524	493	0.16	-0.08	-0.17	0.00	0.048756
CAV1	rs3779512	493	0.44	0.06	0.00	0.13	0.050031
ATF6	rs2271012	482	0.09	-0.11	-0.22	0.00	0.050355
PPARGC1A	rs7437482	493	0.35	0.07	0.00	0.13	0.052842
ADIPOQ	rs822387	493	0.07	0.12	0.00	0.25	0.053993
ATF6	rs12044770	491	0.09	-0.10	-0.21	0.00	0.057101
ATF6	rs1135983	493	0.09	-0.10	-0.21	0.00	0.057474
ATF6	rs6695284	493	0.09	-0.10	-0.21	0.00	0.057474
ATF6	rs4657110	493	0.11	-0.10	-0.20	0.00	0.059265
ATF6	rs6670606	493	0.11	-0.10	-0.20	0.00	0.059265
ATF6	rs4657100	493	0.11	-0.10	-0.20	0.00	0.059871
ATF6	rs12032568	491	0.11	-0.10	-0.20	0.00	0.061356
ADIPOQ	rs17366568	493	0.14	0.08	-0.01	0.17	0.066617
LPL	rs17410577	493	0.17	0.08	-0.01	0.16	0.068077
NR1I2	rs3814055	493	0.38	-0.06	-0.13	0.00	0.068108
FNTA	rs10958736	493	0.11	-0.09	-0.19	0.01	0.073080
PPARGC1A	rs2305681	492	0.05	-0.14	-0.30	0.01	0.075036
LPIN2	rs10438875	493	0.23	-0.07	-0.15	0.01	0.075512
MTTP	rs982424	493	0.06	0.12	-0.01	0.26	0.077647
MMP9	rs3918253	483	0.44	-0.06	-0.13	0.01	0.084016
NR1I2	rs2461823	493	0.35	-0.06	-0.12	0.01	0.095217
LPL	rs248	493	0.07	0.11	-0.03	0.25	0.116097
NR1I2	rs3732361	493	0.38	0.05	-0.01	0.12	0.119709
PPARGC1A	rs10213440	488	0.17	0.07	-0.02	0.16	0.135724
ADIPOQ	rs12495941	493	0.37	-0.05	-0.11	0.02	0.141515
ADRB3	rs4994	493	0.07	0.10	-0.03	0.22	0.142164
LPIN2	rs3934427	482	0.11	0.07	-0.03	0.17	0.152792
CAV1	rs3807989	493	0.41	0.05	-0.02	0.11	0.160553
PPARG	rs12629751	493	0.09	0.08	-0.03	0.20	0.161177
LPL	rs264	491	0.16	-0.06	-0.15	0.03	0.162227
PPARGC1A	rs2970869	493	0.22	-0.05	-0.13	0.02	0.163088
FABP4	rs16909192	493	0.19	0.06	-0.03	0.15	0.171647

<i>PCK2</i>	rs11629199	493	0.10	0.07	-0.03	0.18	0.175155
<i>PPARGC1A</i>	rs4697426	493	0.23	-0.05	-0.13	0.02	0.176783
<i>ADIPOQ</i>	rs16861194	493	0.08	-0.07	-0.18	0.03	0.177037
<i>LPIN2</i>	rs642926	493	0.34	0.05	-0.02	0.11	0.179786
<i>ADIPOQ</i>	rs3821799	493	0.47	0.04	-0.02	0.10	0.186924
<i>LPIN3</i>	rs6029636	493	0.26	-0.05	-0.12	0.02	0.196017
<i>PPARD</i>	rs2076169	493	0.10	-0.08	-0.20	0.04	0.202791
<i>LPIN2</i>	rs9635812	493	0.28	-0.05	-0.12	0.02	0.205986
<i>PPARGC1A</i>	rs3774921	493	0.46	-0.04	-0.11	0.02	0.211796
<i>CAVI</i>	rs9920	493	0.10	-0.07	-0.17	0.04	0.227098
<i>LEP</i>	rs2071045	493	0.24	-0.05	-0.12	0.03	0.228221
<i>PPARGC1A</i>	rs10002521	493	0.31	-0.04	-0.11	0.03	0.232101
<i>ATF6</i>	rs1136046	493	0.15	-0.05	-0.14	0.03	0.234161
<i>PPARGC1A</i>	rs2932976	493	0.26	-0.04	-0.12	0.03	0.238485
<i>PPARG</i>	rs1797912	493	0.35	0.04	-0.03	0.11	0.255910
<i>LEP</i>	rs11763517	493	0.50	0.04	-0.03	0.10	0.260033
<i>MTTP</i>	rs2035816	493	0.10	-0.06	-0.18	0.05	0.268633
<i>LPL</i>	rs10099160	492	0.20	-0.04	-0.12	0.03	0.273510
<i>ADRB3</i>	rs4997	492	0.06	0.07	-0.06	0.20	0.274438
<i>APP</i>	rs11702267	493	0.06	-0.08	-0.21	0.06	0.275449
<i>CAVI</i>	rs8713	493	0.18	-0.05	-0.13	0.04	0.275939
<i>FABP1</i>	rs2919871	492	0.27	0.04	-0.03	0.11	0.276619
<i>PPARGC1A</i>	rs7674429	493	0.17	-0.05	-0.13	0.04	0.277554
<i>PPARGC1A</i>	rs11734408	493	0.28	-0.04	-0.11	0.03	0.279454
<i>MMP9</i>	rs3787268	493	0.21	-0.04	-0.12	0.04	0.283908
<i>ADRB3</i>	rs2071493	493	0.06	0.07	-0.06	0.20	0.288245
<i>LPIN1</i>	rs893349	493	0.43	0.03	-0.03	0.10	0.291747
<i>PPARGC1A</i>	rs17637318	493	0.28	-0.04	-0.11	0.03	0.291970
<i>PPARG</i>	rs2120825	493	0.11	-0.06	-0.16	0.05	0.294693
<i>ADRB3</i>	rs4998	492	0.06	0.07	-0.06	0.20	0.300998
<i>PPARGC1A</i>	rs13117172	493	0.19	-0.04	-0.13	0.04	0.301506
<i>MMP9</i>	rs17576	491	0.36	-0.04	-0.10	0.03	0.303012
<i>LPIN2</i>	rs3819090	493	0.29	-0.04	-0.11	0.03	0.304241
<i>FABP1</i>	rs2241883	493	0.33	0.03	-0.03	0.10	0.310887
<i>PPARGC1A</i>	rs2970848	493	0.33	-0.04	-0.10	0.03	0.313777
<i>PPARGC1A</i>	rs6850464	493	0.14	0.05	-0.05	0.14	0.325614
<i>PPARGC1A</i>	rs2970853	493	0.23	-0.04	-0.11	0.04	0.326937
<i>LPL</i>	rs283	492	0.20	0.04	-0.04	0.11	0.334106
<i>FABP1</i>	rs894194	493	0.24	0.04	-0.04	0.11	0.338466
<i>LEP</i>	rs11760956	484	0.38	0.03	-0.03	0.10	0.342367
<i>LPL</i>	rs1534649	492	0.42	0.03	-0.03	0.10	0.346383
<i>CAVI</i>	rs3807995	492	0.07	0.06	-0.06	0.18	0.346396
<i>ATF6</i>	rs4417044	493	0.25	-0.03	-0.11	0.04	0.352261
<i>PPARGC1A</i>	rs7682765	493	0.06	-0.06	-0.19	0.07	0.357831
<i>LEP</i>	rs2278815	493	0.46	0.03	-0.03	0.09	0.358254
<i>PCK2</i>	rs2759407	493	0.07	0.05	-0.06	0.17	0.360846
<i>MMP9</i>	rs2250889	492	0.05	-0.07	-0.23	0.08	0.367338
<i>PPARGC1A</i>	rs7657071	493	0.30	0.03	-0.04	0.10	0.372681
<i>PPARG</i>	rs4135268	493	0.07	-0.06	-0.19	0.07	0.379283
<i>FABP1</i>	rs2970903	493	0.11	0.04	-0.05	0.14	0.389793
<i>PPARGC1A</i>	rs2946385	493	0.42	0.03	-0.03	0.09	0.393172
<i>LPIN3</i>	rs6072343	492	0.14	0.04	-0.05	0.14	0.393881

<i>ATF6</i>	rs7554023	493	0.19	0.04	-0.05	0.12	0.401707
<i>LPIN1</i>	rs2577264	492	0.40	0.03	-0.04	0.09	0.402693
<i>PCK2</i>	rs1951634	493	0.28	0.03	-0.04	0.10	0.404507
<i>BHLHE40</i>	rs1110261	491	0.21	0.03	-0.05	0.11	0.406456
<i>CTSS</i>	rs10888390	493	0.36	-0.03	-0.10	0.04	0.410956
<i>ADRB2</i>	rs2400707	493	0.41	-0.03	-0.10	0.04	0.412440
<i>PPARG</i>	rs2972164	493	0.48	0.03	-0.04	0.09	0.412641
<i>ADIPOQ</i>	rs182052	493	0.36	-0.03	-0.09	0.04	0.416240
<i>CTSS</i>	rs11576175	493	0.11	0.04	-0.06	0.15	0.419161
<i>PPARG</i>	rs1801282	493	0.13	-0.04	-0.14	0.06	0.421814
<i>LPIN2</i>	rs607549	492	0.27	0.03	-0.04	0.10	0.423348
<i>BHLHE40</i>	rs2137947	493	0.21	0.03	-0.04	0.10	0.428517
<i>LPIN1</i>	rs11695702	493	0.28	-0.03	-0.10	0.04	0.440169
<i>LPIN2</i>	rs7233117	493	0.30	0.03	-0.04	0.10	0.442253
<i>ATF6</i>	rs10918215	493	0.30	-0.03	-0.09	0.04	0.443270
<i>LPIN1</i>	rs4669778	493	0.46	-0.02	-0.09	0.04	0.455387
<i>ADIPOQ</i>	rs7649121	492	0.18	-0.03	-0.11	0.05	0.461044
<i>PPARG</i>	rs12497191	490	0.14	0.04	-0.06	0.13	0.466260
<i>LPIN3</i>	rs7263195	493	0.05	-0.05	-0.19	0.09	0.477855
<i>CTSS</i>	rs1136774	493	0.49	-0.02	-0.09	0.04	0.483360
<i>NR1I2</i>	rs1403527	493	0.18	0.03	-0.06	0.12	0.483514
<i>CTSS</i>	rs7511673	493	0.39	-0.02	-0.09	0.04	0.485746
<i>LPIN1</i>	rs2358126	493	0.46	-0.02	-0.09	0.04	0.486549
<i>ATF6</i>	rs4657101	492	0.27	-0.03	-0.10	0.05	0.489848
<i>ATF6</i>	rs2134697	493	0.27	0.03	-0.05	0.10	0.490046
<i>ATF6</i>	rs9482	493	0.30	-0.02	-0.09	0.04	0.491318
<i>MLXIPL</i>	rs6967028	493	0.10	-0.04	-0.15	0.07	0.493101
<i>MLXIPL</i>	rs1051921	490	0.16	0.03	-0.05	0.11	0.496822
<i>LPIN1</i>	rs11524	493	0.12	0.03	-0.06	0.13	0.497453
<i>LPIN2</i>	rs1985	493	0.31	0.02	-0.04	0.09	0.499662
<i>PPARD</i>	rs4713854	493	0.07	0.05	-0.10	0.19	0.502719
<i>PPARGC1A</i>	rs2970870	493	0.42	0.02	-0.05	0.09	0.533767
<i>LPL</i>	rs2197089	493	0.44	0.02	-0.04	0.08	0.535289
<i>BHLHE40</i>	rs1588794	493	0.10	-0.03	-0.14	0.08	0.539747
<i>ATF6</i>	rs1394070	493	0.14	0.03	-0.07	0.12	0.545168
<i>LPIN3</i>	rs16985665	493	0.20	-0.02	-0.10	0.06	0.565007
<i>LPIN1</i>	rs6726960	493	0.23	-0.02	-0.10	0.05	0.566115
<i>MTTP</i>	rs1032355	493	0.19	-0.02	-0.11	0.06	0.573268
<i>LPIN3</i>	rs6065338	492	0.18	0.02	-0.06	0.11	0.574363
<i>NR1I2</i>	rs16830505	493	0.12	-0.03	-0.13	0.07	0.581314
<i>LPIN1</i>	rs2577261	493	0.10	0.03	-0.08	0.14	0.581868
<i>ATF6</i>	rs10737517	492	0.28	-0.02	-0.09	0.05	0.583927
<i>LPIN3</i>	rs6029646	491	0.26	-0.02	-0.09	0.05	0.585714
<i>PPARGC1A</i>	rs4235308	492	0.41	0.02	-0.05	0.08	0.597835
<i>LEP</i>	rs7788818	493	0.06	-0.04	-0.17	0.10	0.600597
<i>LPL</i>	rs316	493	0.13	-0.03	-0.13	0.07	0.619507
<i>MTTP</i>	rs17029213	493	0.03	-0.05	-0.24	0.14	0.620395
<i>LPIN1</i>	rs10520097	493	0.16	0.02	-0.06	0.11	0.629161
<i>MTTP</i>	rs1057613	493	0.49	0.02	-0.05	0.08	0.636622
<i>PPARG</i>	rs4135275	493	0.19	-0.02	-0.10	0.06	0.641808
<i>MLXIPL</i>	rs7798357	493	0.26	-0.02	-0.09	0.05	0.641853
<i>PPARG</i>	rs10510419	492	0.16	0.02	-0.07	0.11	0.644794

<i>CAVI</i>	rs3815412	493	0.25	-0.02	-0.09	0.06	0.649374
<i>ATF6</i>	rs2499854	493	0.33	-0.02	-0.08	0.05	0.649474
<i>PPARG</i>	rs709157	493	0.29	0.02	-0.05	0.09	0.659994
<i>PPARG</i>	rs7650895	493	0.19	0.02	-0.06	0.10	0.670178
<i>LPIN2</i>	rs10853287	493	0.12	0.02	-0.08	0.12	0.677324
<i>PPARG</i>	rs10865710	493	0.26	-0.02	-0.09	0.06	0.681178
<i>MTTP</i>	rs3828542	493	0.17	0.02	-0.07	0.10	0.686764
<i>BHLHE40</i>	rs1467159	493	0.49	0.01	-0.05	0.08	0.687169
<i>LPL</i>	rs249	493	0.09	-0.02	-0.13	0.09	0.688265
<i>ATF6</i>	rs10918092	487	0.36	0.01	-0.05	0.08	0.688754
<i>PPARD</i>	rs7744392	492	0.05	-0.03	-0.16	0.10	0.693386
<i>PPARGC1A</i>	rs2970855	493	0.33	-0.01	-0.08	0.05	0.707797
<i>LPIN1</i>	rs3795974	493	0.40	0.01	-0.05	0.08	0.709943
<i>FNTA</i>	rs13282019	493	0.05	0.03	-0.11	0.17	0.711941
<i>PPARG</i>	rs10510418	493	0.31	0.01	-0.06	0.08	0.714882
<i>ATF6</i>	rs12079579	493	0.07	0.02	-0.10	0.15	0.718014
<i>ADIPOQ</i>	rs3774261	493	0.41	-0.01	-0.07	0.05	0.718995
<i>PPARGC1A</i>	rs3774923	479	0.04	-0.03	-0.21	0.14	0.719635
<i>ADIPOQ</i>	rs1501299	493	0.28	-0.01	-0.09	0.06	0.719979
<i>LPIN2</i>	rs6506041	493	0.32	0.01	-0.06	0.08	0.721587
<i>ATF6</i>	rs2499851	493	0.31	0.01	-0.06	0.08	0.737301
<i>LPIN3</i>	rs4810312	489	0.41	-0.01	-0.08	0.05	0.740284
<i>BHLHE40</i>	rs908078	493	0.17	-0.01	-0.10	0.07	0.749525
<i>LPIN3</i>	rs4812495	485	0.14	-0.02	-0.11	0.08	0.750120
<i>PPARGC1A</i>	rs12500214	493	0.22	0.01	-0.07	0.09	0.750153
<i>LPIN1</i>	rs2278513	493	0.45	0.01	-0.05	0.07	0.752409
<i>ATF6</i>	rs12130299	493	0.25	0.01	-0.06	0.08	0.757264
<i>PPARD</i>	rs2038068	492	0.24	-0.01	-0.09	0.07	0.759385
<i>NR1I2</i>	rs3732360	493	0.26	0.01	-0.06	0.08	0.767330
<i>FABP1</i>	rs2970902	493	0.37	-0.01	-0.08	0.06	0.772576
<i>PPARGC1A</i>	rs12374408	493	0.29	-0.01	-0.08	0.06	0.772849
<i>ATF6</i>	rs3767635	493	0.31	0.01	-0.06	0.08	0.773572
<i>PPARD</i>	rs11751895	493	0.03	0.03	-0.20	0.26	0.776378
<i>CEBPB</i>	rs4253449	493	0.05	0.02	-0.13	0.18	0.781524
<i>PPARD</i>	rs6902123	493	0.09	0.02	-0.10	0.13	0.791024
<i>ATF6</i>	rs3795649	493	0.38	0.01	-0.06	0.08	0.792082
<i>ATF6</i>	rs12086247	493	0.13	0.01	-0.08	0.11	0.792865
<i>PPARGC1A</i>	rs2970847	493	0.17	-0.01	-0.09	0.07	0.794190
<i>LPL</i>	rs285	493	0.49	-0.01	-0.07	0.06	0.803458
<i>PPARGC1A</i>	rs8192678	493	0.35	0.01	-0.06	0.08	0.807164
<i>FABP1</i>	rs1441644	492	0.29	-0.01	-0.08	0.06	0.809880
<i>LPIN1</i>	rs13013930	493	0.25	-0.01	-0.08	0.07	0.831077
<i>ADIPOQ</i>	rs822396	493	0.17	0.01	-0.07	0.09	0.831649
<i>ADRB2</i>	rs1042719	493	0.29	-0.01	-0.08	0.07	0.834070
<i>LPIN2</i>	rs3745013	493	0.35	0.01	-0.06	0.07	0.844192
<i>ATF6</i>	rs1058405	493	0.26	0.01	-0.06	0.08	0.845537
<i>BHLHE40</i>	rs11920786	492	0.15	-0.01	-0.10	0.08	0.852933
<i>LPL</i>	rs13702	493	0.33	0.01	-0.06	0.07	0.864416
<i>CAVI</i>	rs2052106	491	0.34	0.01	-0.06	0.07	0.873183
<i>LPIN3</i>	rs12625565	491	0.22	0.01	-0.07	0.08	0.877219
<i>PPARGC1A</i>	rs7665116	488	0.13	-0.01	-0.10	0.09	0.890871
<i>LPL</i>	rs328	493	0.12	0.01	-0.10	0.11	0.896417

<i>LPIN2</i>	rs1059281	492	0.29	0.00	-0.06	0.07	0.896655
<i>PPARGC1A</i>	rs2279525	467	0.29	0.00	-0.08	0.07	0.898707
<i>LPIN2</i>	rs625527	493	0.43	0.00	-0.06	0.07	0.904586
<i>PPARG</i>	rs17793693	493	0.10	-0.01	-0.11	0.10	0.905356
<i>BHLHE40</i>	rs11130215	493	0.19	0.00	-0.07	0.08	0.914229
<i>PPARG</i>	rs4135247	493	0.42	0.00	-0.07	0.06	0.914482
<i>ADRB2</i>	rs1042713	493	0.39	0.00	-0.07	0.06	0.919337
<i>LPIN1</i>	rs4315495	493	0.42	0.00	-0.07	0.06	0.921996
<i>LPIN1</i>	rs893346	491	0.06	0.01	-0.12	0.14	0.926969
<i>PPARD</i>	rs6457816	492	0.09	0.00	-0.12	0.11	0.933714
<i>LPIN2</i>	rs1164	493	0.19	0.00	-0.08	0.08	0.935698
<i>LPIN2</i>	rs4797092	493	0.08	0.00	-0.11	0.12	0.938135
<i>BHLHE40</i>	rs11918262	493	0.18	0.00	-0.08	0.08	0.938601
<i>MTTP</i>	rs2306985	493	0.37	0.00	-0.07	0.07	0.942286
<i>ADIPOQ</i>	rs2241766	493	0.13	0.00	-0.10	0.09	0.945869
<i>PCK2</i>	rs9783666	491	0.06	0.00	-0.12	0.13	0.948576
<i>PPARGC1A</i>	rs3736265	493	0.07	0.00	-0.12	0.13	0.949985
<i>PPARG</i>	rs13099634	491	0.19	0.00	-0.09	0.08	0.950167
<i>PPARGC1A</i>	rs1388332	493	0.08	0.00	-0.12	0.11	0.952026
<i>FABP1</i>	rs2919867	493	0.20	0.00	-0.08	0.07	0.952641
<i>ATF6</i>	rs1417580	493	0.45	0.00	-0.07	0.06	0.955275
<i>PPARG</i>	rs3856806	493	0.12	0.00	-0.10	0.10	0.956787
<i>LPIN2</i>	rs661767	493	0.30	0.00	-0.07	0.07	0.959284
<i>MTTP</i>	rs3816873	493	0.28	0.00	-0.08	0.07	0.962157
<i>LPIN1</i>	rs2577256	493	0.48	0.00	-0.06	0.07	0.963223
<i>PPARD</i>	rs9658119	492	0.13	0.00	-0.10	0.09	0.967609
<i>MTTP</i>	rs881980	493	0.14	0.00	-0.09	0.09	0.968250
<i>PPARG</i>	rs2938395	493	0.36	0.00	-0.07	0.07	0.973934
<i>ADIPOQ</i>	rs2241767	493	0.13	0.00	-0.09	0.10	0.976109
<i>LPL</i>	rs253	493	0.46	0.00	-0.06	0.06	0.986124
<i>PPARD</i>	rs2267668	493	0.16	0.00	-0.09	0.09	0.986220
<i>PPARGC1A</i>	rs4361373	493	0.15	0.00	-0.09	0.09	0.995140
<i>BHLHE40</i>	rs11925620	493	0.04	0.00	-0.15	0.15	0.996025
<i>LPIN1</i>	rs1050800	493	0.16	0.00	-0.09	0.09	0.997032
<i>CAVI</i>	rs4730751	493	0.28	0.00	-0.07	0.07	0.998506

Supplementary Table 6D. SNP-GI interaction effects on triglycerides over 6 months*ad libitum* diet

Gene	SNP	N	MAF	B			P
				mmol/l/allele	L95%CI	U95%CI	
<i>FABP4</i>	rs16909192	486	0.19	-0.29	-0.46	-0.12	0.000851
<i>PPARG</i>	rs10865710	486	0.26	0.21	0.07	0.35	0.004226
<i>LPIN2</i>	rs4570954	486	0.20	-0.20	-0.35	-0.04	0.015795
<i>PPARG</i>	rs12629751	486	0.09	0.27	0.04	0.50	0.019745
<i>ADIPOQ</i>	rs182052	486	0.36	-0.15	-0.27	-0.02	0.021264
<i>PPARGC1A</i>	rs7674429	486	0.17	0.19	0.02	0.36	0.025201
<i>NR1I2</i>	rs16830505	486	0.12	-0.22	-0.41	-0.02	0.029971
<i>LPL</i>	rs328	486	0.12	0.23	0.02	0.44	0.030449
<i>PPARG</i>	rs3856806	486	0.12	0.21	0.02	0.41	0.031971
<i>PCK2</i>	rs2759407	486	0.07	0.25	0.02	0.48	0.033053
<i>FABP4</i>	rs10099756	486	0.30	-0.15	-0.28	-0.01	0.035305
<i>LPL</i>	rs3779788	486	0.16	0.18	0.01	0.35	0.035842
<i>LPL</i>	rs264	484	0.16	0.18	0.01	0.36	0.040414
<i>NR1I2</i>	rs3732361	486	0.38	-0.13	-0.25	0.00	0.050708
<i>PPARGC1A</i>	rs13117172	486	0.19	0.16	0.00	0.33	0.053475
<i>NR1I2</i>	rs1403526	486	0.29	0.13	-0.01	0.28	0.067587
<i>BHLHE40</i>	rs1467159	486	0.49	0.11	-0.02	0.23	0.088686
<i>PPARG</i>	rs12497191	483	0.14	0.16	-0.02	0.35	0.088935
<i>PPARGC1A</i>	rs6850464	486	0.14	0.17	-0.03	0.36	0.091917
<i>PPARG</i>	rs10510418	486	0.31	-0.11	-0.25	0.02	0.100862
<i>PPARG</i>	rs7650895	486	0.19	-0.14	-0.30	0.03	0.103719
<i>ADIPOQ</i>	rs3774261	486	0.41	0.10	-0.02	0.22	0.113685
<i>NR1I2</i>	rs3732360	486	0.26	-0.12	-0.26	0.03	0.114539
<i>LPL</i>	rs248	486	0.07	-0.22	-0.50	0.05	0.115035
<i>LPIN2</i>	rs1985	486	0.31	0.11	-0.03	0.24	0.116733
<i>PCK2</i>	rs9783666	484	0.06	0.20	-0.05	0.46	0.118948
<i>PPARG</i>	rs1801282	486	0.13	0.15	-0.04	0.34	0.121756
<i>LPIN2</i>	rs9635812	486	0.28	-0.11	-0.25	0.03	0.125794
<i>ATF6</i>	rs12079579	486	0.07	0.19	-0.06	0.44	0.131656
<i>LPIN2</i>	rs3819090	486	0.29	-0.10	-0.24	0.03	0.134465
<i>PPARD</i>	rs7744392	485	0.05	0.19	-0.06	0.45	0.136362
<i>LPIN1</i>	rs2577261	486	0.10	0.16	-0.05	0.37	0.136948
<i>BHLHE40</i>	rs11918262	486	0.18	0.12	-0.04	0.28	0.139641
<i>ADIPOQ</i>	rs822387	486	0.07	0.19	-0.06	0.44	0.140228
<i>FABP1</i>	rs2970902	486	0.37	-0.10	-0.23	0.03	0.143479
<i>MTTP</i>	rs1032355	486	0.19	0.12	-0.04	0.29	0.146488
<i>FABP1</i>	rs2970903	486	0.11	-0.14	-0.34	0.05	0.149143
<i>ADIPOQ</i>	rs12495941	486	0.37	0.09	-0.03	0.22	0.149782
<i>CAV1</i>	rs8713	486	0.18	0.12	-0.05	0.28	0.158544
<i>LPIN2</i>	rs11665524	486	0.16	-0.12	-0.28	0.05	0.160125
<i>FABP4</i>	rs10109480	486	0.10	0.13	-0.06	0.33	0.175995
<i>CAV1</i>	rs2052106	484	0.34	0.09	-0.05	0.23	0.191252
<i>ATF6</i>	rs1394070	486	0.14	-0.12	-0.31	0.06	0.192747
<i>PPARD</i>	rs6902123	486	0.09	0.15	-0.08	0.37	0.193295
<i>PPARD</i>	rs9658119	485	0.13	0.13	-0.06	0.32	0.195087
<i>PPARGC1A</i>	rs4469064	486	0.09	-0.15	-0.39	0.08	0.199057
<i>LPIN1</i>	rs6726960	486	0.23	0.09	-0.05	0.24	0.200312

<i>ADIPOQ</i>	rs2241766	486	0.13	0.12	-0.07	0.31	0.206025
<i>ADIPOQ</i>	rs3821799	486	0.47	0.08	-0.04	0.20	0.217605
<i>LPIN2</i>	rs661767	486	0.30	-0.08	-0.22	0.05	0.223700
<i>PPARGC1A</i>	rs8192678	486	0.35	0.08	-0.05	0.21	0.228329
<i>PPARGC1A</i>	rs10002521	486	0.31	-0.08	-0.22	0.05	0.229500
<i>ADIPOQ</i>	rs822396	486	0.17	-0.10	-0.27	0.06	0.229596
<i>LPIN2</i>	rs3745013	486	0.35	0.08	-0.05	0.20	0.231215
<i>ADIPOQ</i>	rs2241767	486	0.13	0.12	-0.07	0.31	0.232142
<i>PPARD</i>	rs6457816	485	0.09	0.13	-0.09	0.35	0.237396
<i>PPARGC1A</i>	rs2970869	486	0.22	0.09	-0.06	0.24	0.238324
<i>FABP1</i>	rs1441644	485	0.29	-0.08	-0.22	0.06	0.253739
<i>CTSS</i>	rs1136774	486	0.49	0.07	-0.05	0.20	0.261117
<i>LPIN2</i>	rs625527	486	0.43	-0.07	-0.19	0.05	0.271311
<i>LPIN1</i>	rs4315495	486	0.42	-0.07	-0.20	0.06	0.280599
<i>PPARGC1A</i>	rs4697426	486	0.23	0.09	-0.07	0.24	0.281687
<i>PPARGC1A</i>	rs7657071	486	0.30	-0.08	-0.22	0.06	0.283887
<i>LPL</i>	rs285	486	0.49	0.07	-0.06	0.20	0.291333
<i>PPARGC1A</i>	rs2946385	486	0.42	-0.06	-0.19	0.06	0.293232
<i>MTTP</i>	rs1057613	486	0.49	0.07	-0.06	0.20	0.297631
<i>LPIN1</i>	rs2577264	485	0.40	-0.07	-0.20	0.06	0.299110
<i>ATF6</i>	rs3795649	486	0.38	0.07	-0.06	0.20	0.299272
<i>LPIN2</i>	rs1059281	485	0.29	0.07	-0.07	0.21	0.314245
<i>CAV1</i>	rs9920	486	0.10	0.11	-0.10	0.32	0.317629
<i>CAV1</i>	rs3815412	486	0.25	0.07	-0.07	0.22	0.331403
<i>PPARG</i>	rs2972164	486	0.48	-0.06	-0.19	0.06	0.332008
<i>LPL</i>	rs253	486	0.46	0.06	-0.06	0.19	0.332448
<i>ADIPOQ</i>	rs1501299	486	0.28	0.07	-0.08	0.22	0.340367
<i>ADRB3</i>	rs4994	486	0.07	-0.12	-0.38	0.13	0.341178
<i>ATF6</i>	rs2271012	475	0.09	0.10	-0.11	0.32	0.341738
<i>PPARGC1A</i>	rs2970847	486	0.17	-0.08	-0.24	0.09	0.355525
<i>MTTP</i>	rs3828542	486	0.17	-0.08	-0.24	0.09	0.360506
<i>LPIN1</i>	rs3795974	486	0.40	-0.06	-0.19	0.07	0.360997
<i>ATF6</i>	rs1417580	486	0.45	0.06	-0.07	0.19	0.363897
<i>CTSS</i>	rs7511673	486	0.39	0.06	-0.07	0.19	0.369597
<i>PTGS1</i>	rs10306202	486	0.07	-0.11	-0.37	0.14	0.371434
<i>LPL</i>	rs249	486	0.09	0.10	-0.12	0.31	0.373864
<i>BHLHE40</i>	rs1588794	486	0.10	-0.10	-0.31	0.12	0.374351
<i>PPARGC1A</i>	rs12374408	486	0.29	0.06	-0.08	0.21	0.377623
<i>LPL</i>	rs10099160	485	0.20	0.07	-0.08	0.22	0.379482
<i>MMP9</i>	rs3918253	476	0.44	0.06	-0.08	0.20	0.381280
<i>LPL</i>	rs316	486	0.13	-0.09	-0.29	0.11	0.381435
<i>PCK2</i>	rs2071586	474	0.24	0.07	-0.08	0.22	0.388938
<i>FNTA</i>	rs10958736	486	0.11	0.09	-0.11	0.29	0.391604
<i>FABP1</i>	rs2241883	486	0.33	-0.06	-0.19	0.07	0.391939
<i>ATF6</i>	rs10737517	485	0.28	-0.06	-0.20	0.08	0.392436
<i>LPIN2</i>	rs1164	486	0.19	0.07	-0.09	0.22	0.401455
<i>PPARGC1A</i>	rs7437482	486	0.35	-0.06	-0.19	0.08	0.401494
<i>PPARGC1A</i>	rs2970855	486	0.33	-0.05	-0.18	0.07	0.402337
<i>LPIN2</i>	rs11661932	486	0.10	-0.09	-0.31	0.13	0.408378
<i>PPARGC1A</i>	rs3774921	486	0.46	-0.05	-0.18	0.08	0.410866
<i>CAV1</i>	rs3807989	486	0.41	0.05	-0.08	0.19	0.412795
<i>ATF6</i>	rs10918215	486	0.30	-0.05	-0.19	0.08	0.414832

<i>MTTP</i>	rs2035816	486	0.10	0.09	-0.13	0.32	0.421660
<i>ATF6</i>	rs12130299	486	0.25	0.06	-0.08	0.20	0.422877
<i>ATF6</i>	rs9482	486	0.30	-0.05	-0.18	0.08	0.430322
<i>MTTP</i>	rs3816873	486	0.28	0.06	-0.09	0.20	0.441936
<i>MMP9</i>	rs17576	484	0.36	0.05	-0.08	0.19	0.443357
<i>ADRB3</i>	rs4998	485	0.06	-0.10	-0.36	0.16	0.443998
<i>ADIPOQ</i>	rs17366568	486	0.14	-0.07	-0.24	0.11	0.449025
<i>LPL</i>	rs2197089	486	0.44	-0.05	-0.17	0.08	0.460467
<i>CEBPB</i>	rs6020348	486	0.42	0.05	-0.08	0.18	0.461472
<i>LPIN2</i>	rs10438875	486	0.23	0.06	-0.10	0.21	0.467339
<i>LPIN3</i>	rs6065338	485	0.18	0.06	-0.11	0.23	0.471548
<i>PPARG</i>	rs17793693	486	0.10	0.07	-0.13	0.28	0.478627
<i>LPIN2</i>	rs6506041	486	0.32	0.05	-0.09	0.19	0.478680
<i>PPARG</i>	rs2120825	486	0.11	0.07	-0.13	0.28	0.478872
<i>BHLHE40</i>	rs2137947	486	0.21	0.05	-0.09	0.19	0.481349
<i>ADRB3</i>	rs2071493	486	0.06	-0.09	-0.35	0.17	0.486024
<i>ADRB3</i>	rs4997	485	0.06	-0.09	-0.35	0.17	0.492416
<i>CTSS</i>	rs10888390	486	0.36	0.05	-0.09	0.18	0.492494
<i>LPIN1</i>	rs10520097	486	0.16	-0.06	-0.23	0.11	0.496872
<i>ATF6</i>	rs12026254	484	0.11	0.07	-0.13	0.27	0.504787
<i>ATF6</i>	rs2499851	486	0.31	-0.04	-0.18	0.09	0.521836
<i>PPARGC1A</i>	rs10213440	481	0.17	-0.06	-0.24	0.12	0.525854
<i>PPARGC1A</i>	rs2970853	486	0.23	-0.05	-0.20	0.10	0.538259
<i>LPL</i>	rs270	486	0.14	0.06	-0.12	0.23	0.540573
<i>PPARD</i>	rs2076169	486	0.10	-0.07	-0.31	0.16	0.540808
<i>LPIN2</i>	rs607549	485	0.27	-0.04	-0.19	0.10	0.542004
<i>LPIN2</i>	rs4797092	486	0.08	0.07	-0.16	0.30	0.550585
<i>ATF6</i>	rs4657100	486	0.11	0.06	-0.14	0.26	0.561618
<i>ATF6</i>	rs12086247	486	0.13	0.06	-0.13	0.24	0.562962
<i>ATF6</i>	rs4657110	486	0.11	0.06	-0.14	0.26	0.563348
<i>ATF6</i>	rs6670606	486	0.11	0.06	-0.14	0.26	0.563348
<i>ATF6</i>	rs12032568	484	0.11	0.06	-0.14	0.26	0.564663
<i>LPL</i>	rs17410577	486	0.17	-0.05	-0.21	0.12	0.569472
<i>LEP</i>	rs11760956	477	0.38	-0.04	-0.17	0.09	0.573725
<i>CTSS</i>	rs11576175	486	0.11	0.06	-0.16	0.28	0.577281
<i>PPARG</i>	rs10510419	485	0.16	-0.05	-0.22	0.12	0.578153
<i>LPIN3</i>	rs6029636	486	0.26	-0.04	-0.18	0.10	0.586203
<i>LPIN3</i>	rs16985665	486	0.20	0.04	-0.11	0.20	0.590954
<i>PPARG</i>	rs4135247	486	0.42	-0.03	-0.16	0.09	0.603731
<i>ATF6</i>	rs12044770	484	0.09	0.06	-0.15	0.26	0.605382
<i>NR1I2</i>	rs1054190	486	0.12	-0.05	-0.24	0.14	0.611631
<i>BHLHE40</i>	rs1110261	484	0.21	0.04	-0.12	0.20	0.613358
<i>ATF6</i>	rs1135983	486	0.09	0.05	-0.16	0.26	0.614412
<i>ATF6</i>	rs6695284	486	0.09	0.05	-0.16	0.26	0.614412
<i>LPL</i>	rs13702	486	0.33	0.03	-0.10	0.17	0.616226
<i>LPIN3</i>	rs6029646	484	0.26	-0.04	-0.18	0.10	0.617610
<i>PPARGC1A</i>	rs2305681	485	0.05	0.08	-0.24	0.40	0.617766
<i>CAV1</i>	rs3807995	485	0.07	-0.06	-0.29	0.17	0.620444
<i>LPIN2</i>	rs7233117	486	0.30	-0.04	-0.18	0.11	0.625443
<i>CEBPB</i>	rs2904254	486	0.17	0.04	-0.13	0.22	0.627946
<i>CEBPB</i>	rs4253449	486	0.05	-0.07	-0.38	0.23	0.632854
<i>NR1I2</i>	rs11926554	485	0.21	0.04	-0.12	0.19	0.634451

<i>NR1I2</i>	rs3814055	486	0.38	0.03	-0.10	0.16	0.652485
<i>MLXIPL</i>	rs7798357	486	0.26	-0.03	-0.17	0.11	0.670510
<i>ATF6</i>	rs4417044	486	0.25	-0.03	-0.17	0.11	0.672724
<i>LPIN1</i>	rs893349	486	0.43	-0.03	-0.15	0.10	0.690251
<i>BHLHE40</i>	rs908078	486	0.17	-0.03	-0.20	0.13	0.696762
<i>PPARGC1A</i>	rs3736265	486	0.07	0.05	-0.19	0.29	0.698556
<i>FABP1</i>	rs2919871	485	0.27	-0.03	-0.17	0.12	0.704219
<i>LPIN1</i>	rs2358126	486	0.46	0.02	-0.10	0.15	0.705264
<i>LPIN1</i>	rs893346	484	0.06	0.05	-0.21	0.31	0.708373
<i>PKN2</i>	rs17044137	486	0.25	0.03	-0.12	0.18	0.709427
<i>PPARGC1A</i>	rs2279525	462	0.29	-0.03	-0.17	0.12	0.711341
<i>PPARG</i>	rs2938395	486	0.36	-0.02	-0.16	0.11	0.723377
<i>MTTP</i>	rs2306985	486	0.37	0.02	-0.11	0.16	0.724560
<i>LPIN2</i>	rs10853287	486	0.12	-0.03	-0.22	0.16	0.728331
<i>LEP</i>	rs2071045	486	0.24	0.03	-0.13	0.18	0.732331
<i>MTTP</i>	rs881980	486	0.14	-0.03	-0.21	0.15	0.733526
<i>LPIN1</i>	rs4669778	486	0.46	-0.02	-0.15	0.10	0.735449
<i>BHLHE40</i>	rs11130215	486	0.19	-0.03	-0.18	0.13	0.735534
<i>MTTP</i>	rs17029213	486	0.03	0.06	-0.31	0.44	0.740386
<i>ATF6</i>	rs2134697	486	0.27	-0.02	-0.17	0.12	0.745721
<i>PPARG</i>	rs4135268	486	0.07	0.04	-0.22	0.30	0.750743
<i>LPIN3</i>	rs12625565	484	0.22	0.02	-0.12	0.17	0.751340
<i>LPIN1</i>	rs11524	486	0.12	0.03	-0.16	0.23	0.752065
<i>MLXIPL</i>	rs1051921	483	0.16	0.03	-0.14	0.19	0.754146
<i>PPARGC1A</i>	rs7682765	486	0.06	0.04	-0.22	0.30	0.754379
<i>ATF6</i>	rs4657101	485	0.27	0.02	-0.12	0.17	0.754436
<i>PPARGC1A</i>	rs1388332	486	0.08	0.04	-0.19	0.26	0.758607
<i>LEP</i>	rs2278815	486	0.46	0.02	-0.11	0.15	0.760899
<i>PPARGC1A</i>	rs17637318	486	0.28	-0.02	-0.16	0.12	0.760920
<i>NR1I2</i>	rs1403527	486	0.18	0.03	-0.15	0.20	0.769512
<i>LPL</i>	rs1534649	485	0.42	0.02	-0.11	0.15	0.776357
<i>LPIN1</i>	rs2278513	486	0.45	0.02	-0.11	0.14	0.777493
<i>LPIN1</i>	rs2577256	486	0.48	-0.02	-0.15	0.11	0.779185
<i>ADIPOQ</i>	rs16861194	486	0.08	-0.03	-0.25	0.18	0.779775
<i>ATF6</i>	rs3767635	486	0.31	0.02	-0.12	0.16	0.781454
<i>LPIN1</i>	rs1050800	486	0.16	0.03	-0.15	0.20	0.783689
<i>PPARGC1A</i>	rs11734408	486	0.28	-0.02	-0.16	0.12	0.786123
<i>CAVI</i>	rs926198	484	0.37	0.02	-0.11	0.15	0.786373
<i>PPARD</i>	rs2267668	486	0.16	-0.02	-0.21	0.16	0.805372
<i>ADIPOQ</i>	rs7649121	485	0.18	0.02	-0.14	0.18	0.806358
<i>PPARGC1A</i>	rs2932976	486	0.26	-0.02	-0.17	0.13	0.810062
<i>LEP</i>	rs11763517	486	0.50	-0.02	-0.14	0.11	0.816808
<i>ATF6</i>	rs10918092	480	0.36	-0.02	-0.15	0.12	0.819346
<i>PPARG</i>	rs4135275	486	0.19	0.02	-0.14	0.18	0.822227
<i>PPARGC1A</i>	rs12500214	486	0.22	0.02	-0.14	0.17	0.826710
<i>LPIN3</i>	rs6072343	485	0.14	0.02	-0.17	0.21	0.828707
<i>PPARGC1A</i>	rs4235308	485	0.41	0.01	-0.12	0.14	0.832976
<i>PPARD</i>	rs2038068	485	0.24	0.02	-0.14	0.17	0.833324
<i>ATF6</i>	rs2499854	486	0.33	-0.01	-0.14	0.12	0.844470
<i>ADRB2</i>	rs2400707	486	0.41	-0.01	-0.15	0.12	0.849702
<i>LPIN3</i>	rs7263195	486	0.05	-0.03	-0.30	0.24	0.850231
<i>PPARD</i>	rs11751895	486	0.03	0.04	-0.42	0.50	0.852862

<i>LEP</i>	rs7788818	486	0.06	0.03	-0.24	0.29	0.853090
<i>FABP1</i>	rs2919867	486	0.20	-0.01	-0.16	0.14	0.859254
<i>LPIN1</i>	rs13013930	486	0.25	0.01	-0.13	0.16	0.862806
<i>PPARGC1A</i>	rs3774923	473	0.04	-0.03	-0.38	0.32	0.864826
<i>LPIN1</i>	rs11695702	486	0.28	0.01	-0.13	0.15	0.867257
<i>LPL</i>	rs283	485	0.20	0.01	-0.14	0.17	0.873644
<i>MMP9</i>	rs3787268	486	0.21	-0.01	-0.17	0.14	0.874241
<i>LPIN3</i>	rs4812495	478	0.14	-0.02	-0.20	0.17	0.875635
<i>PPARD</i>	rs4713854	486	0.07	-0.02	-0.30	0.26	0.883293
<i>PPARG</i>	rs709157	486	0.29	-0.01	-0.15	0.13	0.885831
<i>PPARGC1A</i>	rs4361373	486	0.15	0.01	-0.16	0.18	0.887194
<i>PPARGC1A</i>	rs7665116	481	0.13	0.01	-0.18	0.21	0.897445
<i>ATF6</i>	rs7554023	486	0.19	0.01	-0.16	0.18	0.904144
<i>ATF6</i>	rs1058405	486	0.26	0.01	-0.13	0.15	0.906961
<i>BHLHE40</i>	rs11925620	486	0.04	0.02	-0.27	0.31	0.909199
<i>LPIN2</i>	rs642926	486	0.34	0.01	-0.12	0.14	0.911361
<i>PPARGC1A</i>	rs9996943	486	0.42	-0.01	-0.14	0.12	0.911732
<i>PPARGC1A</i>	rs2970848	486	0.33	0.01	-0.13	0.14	0.912164
<i>PCK2</i>	rs1951634	486	0.28	0.01	-0.14	0.15	0.917019
<i>CAV1</i>	rs959173	486	0.16	-0.01	-0.19	0.17	0.918360
<i>FABP1</i>	rs894194	486	0.24	-0.01	-0.16	0.14	0.920497
<i>PPARG</i>	rs1797912	486	0.35	-0.01	-0.14	0.13	0.927755
<i>CAV1</i>	rs1049337	486	0.27	-0.01	-0.15	0.14	0.931558
<i>CAV1</i>	rs3779512	486	0.44	-0.01	-0.13	0.12	0.939322
<i>ATF6</i>	rs1136046	486	0.15	-0.01	-0.18	0.17	0.946010
<i>BHLHE40</i>	rs11920786	485	0.15	0.01	-0.17	0.18	0.947883
<i>ADRB2</i>	rs1042713	486	0.39	0.00	-0.14	0.13	0.948374
<i>MMP9</i>	rs2250889	485	0.05	-0.01	-0.32	0.31	0.955843
<i>NR1I2</i>	rs2461823	486	0.35	0.00	-0.13	0.13	0.955889
<i>MLXIPL</i>	rs6967028	486	0.10	-0.01	-0.22	0.21	0.956191
<i>CAV1</i>	rs4730751	486	0.28	0.00	-0.14	0.14	0.973986
<i>LPIN2</i>	rs3934427	476	0.11	0.00	-0.20	0.20	0.976113
<i>PCK2</i>	rs11629199	486	0.10	0.00	-0.20	0.21	0.979063
<i>MTTP</i>	rs982424	486	0.06	0.00	-0.27	0.27	0.987092
<i>LPIN3</i>	rs4810312	482	0.41	0.00	-0.13	0.13	0.987910
<i>PPARGC1A</i>	rs2970870	486	0.42	0.00	-0.13	0.13	0.988962

Data are given as regression coefficient (B) with lower (L95%CI) and upper (U95%CI) 95% confidence intervals. P-values were derived using linear regression. The gene denotes the locus with the closest proximity to the single nucleotide polymorphism (SNP). N, number of observations; MAF, minor allele frequency.

