S1 Text. The abbreviations used in the present work. Gene symbols are italicized and begin with an uppercase letter; protein symbols have all letters in uppercase. If gene and protein symbols have the same abbreviation, only one that is mentioned first is given below.

Gene Abbreviations—Akr1d1 (aldo-keto reductase family 1 member D1), Apoa4 (apolipoprotein A4), Apoc3 (apolipoprotein C3), Cela3b (chymotrypsin like elastase family member 3B), Cyp51 (cytochrome P450 family 51), Fdps (farnesyl diphosphate synthase), Il4 (interleukin 4), Lipe (lipase E, hormone sensitive type), Npc1/1 (NPC1 like intracellular cholesterol transporter 1), Nr0b2 (nuclear receptor subfamily 0 group B member 2), Prkaa1 (protein kinase AMP-activated catalytic subunit alpha 1), Prkag2 (protein kinase AMP-activated non-catalytic subunit gamma 2), Snx17 (sorting nexin 17), and Ubc-7 (ubiquitin conjugating enzyme E2 G1).

Protein Abbreviations—2310022B05RIK (uncharacterized protein C1orf198 homolog), ABCA1 (ATP binding cassette subfamily A member 1), ACAT1 (acyl-coenzyme A:cholesterol acyltransferase 1), ADCY9 (adenylate cyclase type 9), ADD1 (alpha-adducin), AKT (RAC-alpha serine/threonine-protein kinase), ALDOA (fructose-bisphosphate aldolase A), AMPK (AMPactivated protein kinase), ANK2 (ankyrin-2), APOA1 (apolipoprotein A1), APOA2 (apolipoprotein A2), APOD (apolipoprotein D), APOE (apolipoprotein E), APOJ (apolipoprotein J), ATP1A2 (sodium/potassium-transporting ATPase subunit alpha-2), ATP2B2 (plasma membrane calcium-transporting ATPase 2), BAD (Bcl2-associated agonist of cell death), BSN (bassoon presynaptic cytomatrix protein), CDC42 (cell division control protein 42 homolog), CYP11A1 (cytochrome P450 family 1 subfamily A member 1), CYP27A1 (cytochrome P450 family 27 subfamily A member 1), CYP46A1 (cytochrome P450 family 46 subfamily A member 1), DHCR24 (delta(24)-sterol reductase), EBP (emopamil binding protein), EPB4.1L1 (band 4.1like protein 1), ERα (nuclear receptor subfamily 3 group A member 1), FBW7 (F-box/WD repeatcontaining protein 7), GP78 (E3 ubiquitin-protein ligase AMFR), HCN2 (potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2), HDAC (histone deacetylase), HDGF (hepatoma-derived growth factor), HMGCR (3-hydroxy-3-methyl-glutaryl-coenzyme A reductase), HMGCS2 (3-hydroxy-3-methylglutaryl-CoA synthase 2), HRD1 (E3 ubiquitin-protein ligase synoviolin), HSD17B7 (hydroxysteroid 17-beta dehydrogenase 7), IDOL (inducible degrader of the LDL-receptor), IMPACT (imprinted and ancient gene protein), INSIG (insulininduced gene 1 protein), LDLR (low-density lipoprotein receptor), LMTK2 (serine/threonineprotein kinase LMTK2), LOC102641872 (trafficking protein particle complex subunit 10), LRP (lipoprotein receptor-related protein), LXRα (liver X receptor alpha), LXRβ (liver X receptor beta), MAP1A (microtubule-associated protein 1A), MAP1B (microtubule-associated protein 1B), MAP2 (microtubule-associated protein 2), MAP6 (microtubule-associated protein 6), MAPK (mitogen-activated protein kinase), MAPT (microtubule-associated protein tau), MARCKS (myristoylated alanine rich protein kinase C substrate), MARK1 (MAP/microtubule affinityregulating kinase), NEFH (neurofilament heavy polypeptide), NEFM (neurofilament medium polypeptide), NF-κB (nuclear factor kappa-light-chain-enhancer of activated B cells), NSDHL (NAD(P) dependent steroid dehydrogenase-like), OXR1 (oxidation resistance protein 1), PAK1 (p21-activated kinase 1), PI3K (phosphatidylinositol-4,5-bisphosphate 3-kinase), PLCy (phosphoinositide phospholipase C gamma), PRKC (protein kinase C), PRKCG (protein kinase C gamma), PTK2B (protein-tyrosine kinase 2-beta), RAB3IP (Rab-3A-interacting protein), RAB8 (Ras-related protein Rab-8), RAB11 (Ras-related protein Rab-11), RAC (RAC-alpha serine/threonine-protein kinase), SCAP (sterol regulatory element-binding protein cleavageactivating protein), SC5DS (sterol-C5-desaturase), SHANK2 (SH3 and multiple ankyrin repeat domains protein 2), SHANK3 (SH3 and multiple ankyrin repeat domains protein 3), SIK3 (salt-inducible kinase 3), SLC1A3 (solute carrier family 1 member 3), SLC24A2 (solute carrier family 24 member 2), SLC8A2 (solute carrier family 8 member A2), SMAP2 (stromal membrane-associated protein 2), SREBF1 (sterol regulatory element binding transcription factor 1), SREBF2 (sterol regulatory element binding transcription factor 2), STK32C (serine/threonine-protein kinase 32C), STX1B (syntaxin-1B), SYN1 (synapsin 1), TRC8 (translocation in renal carcinoma on chromosome 8 protein), TRK (tropomyosin-related kinase), TRKB (tropomyosin receptor kinase B), TUBA1A (tubulin alpha-1A chain), UBE2N (ubiquitin-conjugating enzyme E2N), UBR4 (E3 ubiquitin-protein ligase UBR4), WNT1 (proto-oncogene Wnt-1), YWHAZ (14-3-3 protein zeta/delta).

Other Abbreviations— AMPA (α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid), ER (endoplasmic reticulum), ERK (extracellular signal-regulated kinases), LTP (long term potentiation), LTD (long term depression), MRM (multiple reaction monitoring), PBS (phosphate-buffered saline).