Supplementary Table 1. Genes up-regulated by dietary strawberries in peripheral blood leukocytes

Gene Symbol	Gene Title	Fold Change	*P* value
ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	1.65859	0.00013487
ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	1.38861	0.02376
ABTB1	ankyrin repeat and BTB (POZ) domain containing 1	1.22103	0.0396954
ACAA2	acetyl-Coenzyme A acyltransferase 2	1.29003	0.00309121
AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransf	1.42356	0.0146399
ANKRD5	ankyrin repeat domain 5	1.20426	0.0485048
ANKRD60	Ankyrin repeat domain 60	1.30528	0.0107707
AOC3	amine oxidase, copper containing 3 (vascular adhesion protein 1)	1.53484	0.0002893
AP3D1	adaptor-related protein complex 3, delta 1 subunit	1.29402	0.0318677
ARHGEF2	Rho/Rac guanine nucleotide exchange factor (GEF) 2	1.93835	0.0299518
ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	1.29328	0.0029066
ASAP1	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1	1.82193	0.036715
ASRGL1	asparaginase like 1	1.22962	0.00425354
AZI2	5-azacytidine induced 2	1.45963	0.0332232
B4GALT1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	1.95392	0.0182393
B4GALT5	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	2.40376	0.0288742
BAT4	HLA-B associated transcript 4	1.2746	0.0116097
BAZ2A	bromodomain adjacent to zinc finger domain, 2A	1.24184	0.0428122
BMP2K	BMP2 inducible kinase	1.39375	0.0140145
C14orf147	chromosome 14 open reading frame 147	1.53568	0.0420988
C16orf57	chromosome 16 open reading frame 57	2.82335	0.0218156
C17orf103	chromosome 17 open reading frame 103	1.66516	0.00707678
C1orf144	chromosome 1 open reading frame 144	1.23898	0.0401487
C1orf183	chromosome 1 open reading frame 183	2.59229	0.00076725
C20orf72	chromosome 20 open reading frame 72	1.44331	0.0260853
C7orf50	chromosome 7 open reading frame 50	1.37115	0.00199487
C8orf73	chromosome 8 open reading frame 73	1.38786	0.0100786
C9orf64	chromosome 9 open reading frame 64	1.37331	0.0378411
CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	1.71853	0.0343565
CASP4	caspase 4, apoptosis-related cysteine peptidase	2.52603	0.00793367
CASS4	Cas scaffolding protein family member 4	2.53658	0.0312921
CBX5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	2.05165	0.0110369
CCDC125	coiled-coil domain containing 125	1.84975	0.00269744
CCL23	chemokine (C-C motif) ligand 23	1.364	0.0171224
CCL3 /// CCL3L1 /// CCL3L3	chemokine (C-C motif) ligand 3 /// chemokine (C-C motif) ligand 3-like 1 /// che	1.53059	0.0433214
CCL8	chemokine (C-C motif) ligand 8	2.50268	0.0267143
CD44	CD44 molecule (Indian blood group)	2.10314	0.0237076
CD44	CD44 molecule (Indian blood group)	1.67986	0.0355311
CD58	CD58 molecule	1.89792	0.0317683
CD58	CD58 molecule	1.99875	0.0379867
CD58	CD58 molecule	1.9347	0.0470746
CEACAM4	carcinoembryonic antigen-related cell adhesion molecule 4	1.24154	0.0264581
CFLAR	CASP8 and FADD-like apoptosis regulator	2.13897	0.00044257
CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	2.25607	0.0409548
CHUK	conserved helix-loop-helix ubiquitous kinase	1.23582	0.0362918
CNIH4	cornichon homolog 4 (Drosophila)	2.20572	0.0498808
CNTNAP3	contactin associated protein-like 3	2.48626	0.031777
CNTNAP3B	contactin associated protein-like 3B	2.00523	0.00051767
COPS7A	COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)	1.26209	0.035909
CTRB2	chymotrypsinogen B2	1.50265	0.0467923
CUEDC1	CUE domain containing 1	1.77411	0.0012774
CUEDC1	CUE domain containing 1	1.60475	0.0118974
CUL5	cullin 5	1.26497	0.0357661
DBN1	drebrin 1	2.09711	0.00202054
DMXL2	Dmx-like 2	3.25207	0.0227047
DNAJB12	DnaJ (Hsp40) homolog, subfamily B, member 12	1.37268	0.0463665
DOCK4	dedicator of cytokinesis 4	3.30363	0.0458679
DSC2	desmocollin 2	2.38481	0.0142999
DTX2	deltex homolog 2 (Drosophila)	1.37987	0.0189062
DUOX1	dual oxidase 1	1.24514	0.00840668
EIF2C4	eukaryotic translation initiation factor 2C, 4	1.29385	0.0192524
ELL	elongation factor RNA polymerase II	1.38375	0.0313681
EPHB1	EPH receptor B1	1.44584	0.0440588
FAM129A	family with sequence similarity 129, member A	1.56174	0.0185894
FAM192A	family with sequence similarity 192, member A	1.44028	0.0109168
FAS	Fas (TNF receptor superfamily, member 6)	1.7407	0.0493795
FHL3	four and a half LIM domains 3	1.4453	0.0431385
FHOD1	formin homology 2 domain containing 1	2.21989	0.0469989
FKBP3	FK506 binding protein 3, 25kDa	1.27699	0.0262894

FLJ10213	hypothetical protein FLJ10213	1.74852	0.0103742
FLJ35390	hypothetical LOC255031	1.22415	0.0363685
FLJ39639	hypothetical protein FLJ39639	1.46336	0.00565009
FNDC3B	fibronectin type III domain containing 3B	2.26747	0.0282483
FNDC3B	Fibronectin type III domain containing 3B	3.47882	0.038166
FOLR3	folate receptor 3 (gamma)	2.74832	0.0340299
FRY	furry homolog (Drosophila)	2.04446	0.0132786
FTL	ferritin, light polypeptide	1.22429	0.0435525
GGA1	golgi associated, gamma adaptin ear containing, ARF binding protein 1	1.7179	0.00939655
GGT1	gamma-glutamyltransferase 1	1.97738	0.0325303
GHRL	ghrelin/obestatin prepropeptide	1.69111	0.00465904
GNPDA1	glucosamine-6-phosphate deaminase 1	1.31527	0.0475176
GPATCH3	G patch domain containing 3	1.48955	0.0270275
GRAMD1A	GRAM domain containing 1A	2.45358	0.0321398
GSN	gelsolin (amyloidosis, Finnish type)	1.52372	0.00810003
GSN	gelsolin (amyloidosis, Finnish type)	2.1233	0.0491534
HCG26	HLA complex group 26 (non-protein coding)	1.63033	0.017857
HDGFRP3	Hepatoma-derived growth factor, related protein 3	1.4783	0.0474083
HGS	hepatocyte growth factor-regulated tyrosine kinase substrate	1.33255	0.0418435
HIATL2	hippocampus abundant transcript-like 2	1.43222	0.0388727
HIC1	hypermethylated in cancer 1	3.09272	0.00349421
HIC2	hypermethylated in cancer 2	1.28189	0.0418031
HIF1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription	1.43403	0.00554905
HIST1H1T	histone cluster 1, H1t	1.29349	0.00327771
HMGB3L1	high-mobility group box 3-like 1	1.20649	0.00422392
HNRNPUL2	heterogeneous nuclear ribonucleoprotein U-like 2	1.29826	0.0471444
IFNAR1	interferon (alpha, beta and omega) receptor 1	1.88043	0.0398732
ILK	integrin-linked kinase	1.34541	0.0244184
IQCE	IQ motif containing E	1.5602	0.0495198
IRS1	insulin receptor substrate 1	1.58436	0.003075
KBTBD2	kelch repeat and BTB (POZ) domain containing 2	1.26871	0.0455508
KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	2.44795	0.0219863
KCTD13	potassium channel tetramerisation domain containing 13	1.56048	0.0472452
KIAA0317	KIAA0317	1.36686	0.0220842
KIAA1324	KIAA1324	2.7575	0.00054381
KIF13A	kinesin family member 13A	2.76852	0.0172276
KIF13A	kinesin family member 13A	2.73641	0.0452712
KLHL12	kelch-like 12 (Drosophila)	1.50049	0.0103667
KLHL21	kelch-like 21 (Drosophila)	1.30502	0.00943359
KREMEN1	kringle containing transmembrane protein 1	1.76442	0.00121685
LCP2	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa	2.52247	0.0288628
LIN37	lin-37 homolog (C. elegans)	1.30907	0.0295096
LOC100130855	hypothetical protein LOC100130855	1.20827	0.0070154
LOC149478	Hypothetical protein LOC149478	2.62514	0.0445912
LOC285286	hypothetical protein LOC285286	2.27644	0.0279721
LOC286149	hypothetical protein LOC286149	1.41696	0.00729809
LOC646214	p21-activated kinase 2 pseudogene	1.30298	0.0396502
LOC729436	Hypothetical LOC729436	1.38545	0.0166913
LPAR2	lysophosphatidic acid receptor 2	1.86981	0.00413065
LRFN1	leucine rich repeat and fibronectin type III domain containing 1	1.47718	0.0138893
LRWD1	leucine-rich repeats and WD repeat domain containing 1	1.21615	0.0173825
LYST	lysosomal trafficking regulator	1.5829	0.0272297
MAK	male germ cell-associated kinase	2.16285	0.0499982
MAN2A2	mannosidase, alpha, class 2A, member 2	1.80267	0.0326971
MAP3K8	mitogen-activated protein kinase kinase kinase 8	2.15997	0.0313347
MAP3K8	Mitogen-activated protein kinase kinase kinase 8	3.29164	0.0164026
MAP7D1	MAP7 domain containing 1	1.47486	0.039367
MAPK13	mitogen-activated protein kinase 13	1.41728	0.00126589
MAPK7	mitogen-activated protein kinase 7	1.33447	0.0494202
MBD6	methyl-CpG binding domain protein 6	1.84523	0.0230606
MCTP1	multiple C2 domains, transmembrane 1	2.09007	0.00086666
MED8	mediator complex subunit 8	2.34038	0.0147393
MFN2	mitofusin 2	1.51124	0.00637171
MKLN1	muskelin 1, intracellular mediator containing kelch motifs	1.81624	0.0130943
MLX	MAX-like protein X	1.79145	0.00777857
MSRB2	methionine sulfoxide reductase B2	1.23328	0.0129525
MTMR14	Myotubularin related protein 14	1.45286	0.00022565
MYO15B	myosin XVB pseudogene	1.42287	0.020542
NADSYN1	NAD synthetase 1	1.33746	0.039526
NBEAL2	neurobeachin-like 2	1.75169	0.0169499
NCKAP5L	NCK-associated protein 5-like	1.45778	0.0365008
NFIA	nuclear factor I/A	1.74859	0.0036387
NFKBIB	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, be	1.51947	0.00012143

NOTCH2	Notch homolog 2 (Drosophila)	1.2515	0.0382768
NRBP2	nuclear receptor binding protein 2	1.22121	0.0130369
NSMAF	Neutral sphingomyelinase (N-SMase) activation associated factor	2.24084	0.0479482
NUMB	numb homolog (Drosophila)	2.48529	0.0164295
OLFM1	olfactomedin 1	1.43861	0.00153798
OSBPL2	oxysterol binding protein-like 2	1.71226	0.047178
OSGIN2	oxidative stress induced growth inhibitor family member 2	1.38335	0.0227204
OXER1	oxoeicosanoid (OXE) receptor 1	1.21246	0.0462617
PBX2	pre-B-cell leukemia homeobox 2	2.0637	0.0463786
PBX2	pre-B-cell leukemia homeobox 2	1.63934	0.0449659
PCNX	pecanex homolog (Drosophila)	1.44666	0.00315539
PECAM1	platelet/endothelial cell adhesion molecule	1.94752	0.0498201
PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2	1.40997	0.0149088
PHF20L1	PHD finger protein 20-like 1	1.42295	0.0339079
PHF5A	PHD finger protein 5A	1.23346	0.0341937
PI3	peptidase inhibitor 3, skin-derived	3.33595	0.0300274
PI3	peptidase inhibitor 3, skin-derived	3.10677	0.0322497
PIGM	phosphatidylinositol glycan anchor biosynthesis, class M	1.61223	0.00539422
PIK3R6	phosphoinositide-3-kinase, regulatory subunit 6	1.44767	0.0409182
PION	Pigeon homolog (Drosophila)	1.66711	0.0142703
PLAU	plasminogen activator, urokinase	2.95461	0.0419441
PLAU	plasminogen activator, urokinase	3.54592	0.0450483
POLH	polymerase (DNA directed), eta	1.24997	0.0334757
POLM	polymerase (DNA directed), mu	1.60772	0.00038694
POU2F1	POU class 2 homeobox 1	1.29066	0.0482855
PPM1F	protein phosphatase 1F (PP2C domain containing)	1.27906	0.0179332
PRO2852	hypothetical protein PRO2852	1.84335	0.0343486
PTEN	phosphatase and tensin homolog	2.53126	0.0462062
PTGDR	prostaglandin D2 receptor (DP)	1.46281	0.0133027
PTPMT1	protein tyrosine phosphatase, mitochondrial 1	1.20443	0.0390425
PTPRJ	protein tyrosine phosphatase, receptor type, J	1.37167	0.0472715
PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	1.65669	0.0137883
QKI	Quaking homolog, KH domain RNA binding (mouse)	1.78306	0.00585945
RAC1	Ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protei	1.31127	0.0491202
RASGEF1A	RasGEF domain family, member 1A	2.09297	8.75E-05
RASSF5	Ras association (RalGDS/AF-6) domain family member 5	1.30047	0.0190206
RASSF5	Ras association (RalGDS/AF-6) domain family member 5	1.33134	0.0339139
RC3H2	ring finger and CCCH-type zinc finger domains 2	1.3563	0.00517215
RHOQ	ras homolog gene family, member Q	1.66159	0.00212324
RHOQ	ras homolog gene family, member Q	1.54302	0.00539973
RHOQ	ras homolog gene family, member Q	1.48703	0.0158158
RIT1	Ras-like without CAAX 1	1.58343	0.0268979
RNF145	ring finger protein 145	1.38558	0.0173596
RTF1	Rtf1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	1.25663	0.00139382
RUFY3	RUN and FYVE domain containing 3	1.34167	7.32E-05
SAP30L	SAP30-like	1.4074	0.00092308
SBNO2	strawberry notch homolog 2 (Drosophila)	1.87997	0.0180997
SCARB1	scavenger receptor class B, member 1	1.69543	0.00112654
SELL	selectin L	1.24242	0.0496652
SERPINB9	serpin peptidase inhibitor, clade B (ovalbumin), member 9	1.60714	0.0346812
SESN2	sestrin 2	1.60237	4.56E-07
SETD8	SET domain containing (lysine methyltransferase) 8	1.88922	0.00115163
SETDB1	SET domain, bifurcated 1	1.29586	0.0261809
SKIL	SKI-like oncogene	2.00129	0.0407299
SLC16A5	solute carrier family 16, member 5 (monocarboxylic acid transporter 6)	2.097	0.0200362
SLC19A1	solute carrier family 19 (folate transporter), member 1	1.98797	0.0470182
SLC25A37	Solute carrier family 25, member 37	1.52624	0.0399541
SLC25A37	solute carrier family 25, member 37	2.08361	0.0445065
SLC26A6	solute carrier family 26, member 6	1.27869	0.0445784
SLK	STE20-like kinase (yeast)	1.26954	0.00675345
SLPI	secretory leukocyte peptidase inhibitor	5.59552	0.0239326
SMURF1	SMAD specific E3 ubiquitin protein ligase 1	1.54873	0.0172901
SNN	stannin	1.72295	0.046216
SPAG9	sperm associated antigen 9	1.76285	0.0377414
SSH3	slingshot homolog 3 (Drosophila)	2.05407	7.56E-05
ST14	suppression of tumorigenicity 14 (colon carcinoma)	1.81526	0.0386691
ST20	suppressor of tumorigenicity 20	1.21429	0.0285611
ST6GALNAC2	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide	2.51113	0.00189792
STX6	syntaxin 6	1.6734	0.0431448
SUOX	sulfite oxidase	1.70744	0.00617177
TATDN3	TatD DNase domain containing 3	1.6407	0.0359493
TCF7L2	Transcription factor 7-like 2 (T-cell specific, HMG-box)	2.73917	0.0255181
TMED1	transmembrane emp24 protein transport domain containing 1	1.74278	0.0449749

TMEM167B	transmembrane protein 167B	1.31815	0.0482002
TMEM222	transmembrane protein 222	1.3423	0.0190136
TMLHE	trimethyllysine hydroxylase, epsilon	1.41577	0.0219979
TNRC18	trinucleotide repeat containing 18	1.50302	0.0115039
TPP1	tripeptidyl peptidase I	1.21907	0.0479415
TRPM6	Transient receptor potential cation channel, subfamily M, member 6	2.12328	0.00302755
TSG101	tumor susceptibility gene 101	1.28342	0.0203702
TTC32	tetratricopeptide repeat domain 32	1.54267	0.0101434
TUBA3C	tubulin, alpha 3c	1.38325	0.0376066
UAP1L1	UDP-N-acteylglucosamine pyrophosphorylase 1-like 1	1.5278	0.00400844
UBXN6	UBX domain protein 6	1.6441	0.00404723
UHRF1BP1L	UHRF1 binding protein 1-like	2.12657	0.0145185
VPS39	vacuolar protein sorting 39 homolog (S. cerevisiae)	1.22811	0.0219799
WSB1	WD repeat and SOCS box-containing 1	2.0742	0.045203
YIPF2	Yip1 domain family, member 2	1.39374	0.0342339
YKT6	YKT6 v-SNARE homolog (S. cerevisiae)	1.42451	0.0321369
YKT6	YKT6 v-SNARE homolog (S. cerevisiae)	1.53936	0.032595
ZCCHC24	zinc finger, CCHC domain containing 24	1.4057	0.00487369
ZFHX3	zinc finger homeobox 3	1.5395	0.00685754
ZFYVE16	zinc finger, FYVE domain containing 16	1.4845	0.00762811
ZFYVE27	zinc finger, FYVE domain containing 27	1.49712	0.00868426
ZNF117	zinc finger protein 117	2.28272	0.0457388
ZNF213	zinc finger protein 213	1.21702	0.00649455
ZSCAN2	zinc finger and SCAN domain containing 2	1.51208	0.0463006

Supplementary Table 2. Genes down-regulated by dietary strawberries in peripheral blood leukocytes

Gene Symbol	Gene Title	Fold Change	*P* value
ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	-1.21114	0.0272424
ACBD5	acyl-Coenzyme A binding domain containing 5	-1.27679	0.00144426
ACOT8	acyl-CoA thioesterase 8	-1.36241	0.0177026
ACTR8	ARP8 actin-related protein 8 homolog (yeast)	-1.29521	0.0179743
ACTR8	ARP8 actin-related protein 8 homolog (yeast)	-1.70723	0.0355452
ADK	adenosine kinase	-1.60076	0.0151628
ADSL	adenylosuccinate lyase	-1.3925	0.0106473
AGPAT5	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransf	-1.30135	0.0063649
AHCTF1	AT hook containing transcription factor 1	-1.20323	0.00024056
AK2	adenylate kinase 2	-1.21646	0.0174263
ALDH3A2	aldehyde dehydrogenase 3 family, member A2	-1.3773	0.048533
ALDH3A2	aldehyde dehydrogenase 3 family, member A2	-1.92817	0.00515267
ALDH6A1	aldehyde dehydrogenase 6 family, member A1	-1.61113	5.6447E-05
ALDH6A1	aldehyde dehydrogenase 6 family, member A1	-1.62562	0.00088882
ALKBH2	alkB, alkylation repair homolog 2 (E. coli)	-1.34087	0.0114261
ALKBH4	alkB, alkylation repair homolog 4 (E. coli)	-1.66121	0.00435631
AMACR	alpha-methylacyl-CoA racemase	-1.42627	0.00162171
ANKRD50	ankyrin repeat domain 50	-1.42216	0.00241319
APRT	adenine phosphoribosyltransferase	-1.40663	0.019891
ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	-1.2155	0.0432417
ARID5B	AT rich interactive domain 5B (MRF1-like)	-1.45281	0.0313728
ARL2BP	ADP-ribosylation factor-like 2 binding protein	-1.49609	0.0115152
ATG4C /// CTR9	ATG4 autophagy related 4 homolog C (S. cerevisiae) /// Ctr9, Paf1/RNA polymerase	-1.7858	0.0483597
ATG9A	ATG9 autophagy related 9 homolog A (S. cerevisiae)	-1.36071	0.0129191
ATP11B	ATPase, class VI, type 11B	-1.51891	0.0136431
ATP5G3	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C3 (subunit 9)	-1.54049	0.00347815
ATP5H	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d	-1.23675	0.0186215
AVIL	Advillin	-1.44362	0.00044979
B3GALT2	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	-1.37657	0.0107326
BAT4	HLA-B associated transcript 4	-1.40877	0.00170955
BBS9	Bardet-Biedl syndrome 9	-1.54472	0.00387246
BCAS4	breast carcinoma amplified sequence 4	-1.54409	0.00011085
BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)	-1.36453	0.00274178
BCL7A	B-cell CLL/lymphoma 7A	-1.73564	0.0233545
BEX4	brain expressed, X-linked 4	-1.50171	0.0474004
BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	-1.23524	0.0293213
BTF3	basic transcription factor 3	-1.32776	0.0144536
C11orf74	chromosome 11 open reading frame 74	-1.23558	0.0140969
C12orf32	chromosome 12 open reading frame 32	-1.27594	0.0451356
C14orf132	chromosome 14 open reading frame 132	-1.32303	0.00056123
C14orf166	chromosome 14 open reading frame 166	-1.36814	0.00049551
C17orf48	chromosome 17 open reading frame 48	-1.43522	0.00494549
C17orf68	chromosome 17 open reading frame 68	-1.6054	0.0430356
C17orf80	chromosome 17 open reading frame 80	-1.2671	0.0368933
C17orf81	chromosome 17 open reading frame 81	-1.65407	0.0107692
C19orf43	chromosome 19 open reading frame 43	-1.21352	0.0277196
C19orf53	chromosome 19 open reading frame 53	-1.40981	0.039967
C1QTNF1	C1q and tumor necrosis factor related protein 1	-1.23662	0.0007152
C20orf108	chromosome 20 open reading frame 108	-1.99529	0.00332412
C2orf43	chromosome 2 open reading frame 43	-1.50742	0.0249437
C2orf74	chromosome 2 open reading frame 74	-1.63031	0.00746038
C2orf86	chromosome 2 open reading frame 86	-1.67822	0.024502
C4orf46 /// TOMM7	chromosome 4 open reading frame 46 /// translocase of outer mitochondrial membra	-1.54474	0.00215836
C5orf13	chromosome 5 open reading frame 13	-1.56651	0.0406703
C6orf48	chromosome 6 open reading frame 48	-1.52174	0.0497054
C7orf55	chromosome 7 open reading frame 55	-1.6139	0.00917048
C8orf59	chromosome 8 open reading frame 59	-1.29365	0.041785
CAMK4	calcium/calmodulin-dependent protein kinase IV	-1.5216	0.00554234
CAMSAP1L1	calmodulin regulated spectrin-associated protein 1-like 1	-1.26648	0.0422302
CAMTA1	Calmodulin binding transcription activator 1	-1.38368	0.0419744
CASP6	caspase 6, apoptosis-related cysteine peptidase	-1.40544	0.0179575
CCDC109B	coiled-coil domain containing 109B	-1.59646	0.0164036
CCDC6	coiled-coil domain containing 6	-1.44114	0.0315441
CCND3	Cyclin D3	-3.8632	0.00611692
CCNG1	cyclin G1	-1.5387	0.0387829
CD248	CD248 molecule, endosialin	-1.48577	0.00038756
CD40LG	CD40 ligand	-2.24532	0.00090878
CD72	CD72 molecule	-1.54847	0.0461257
CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	-1.20906	0.0107655

CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	-1.55812	0.024337
CDC2L6	cell division cycle 2-like 6 (CDK8-like)	-2.03378	0.0154429
CDK5RAP2	CDK5 regulatory subunit associated protein 2	-1.34808	0.0496335
CENPK	centromere protein K	-1.44152	0.016388
CEPT1	choline/ethanolamine phosphotransferase 1	-1.29343	0.0118895
CLN8	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation	-1.39362	0.00320731
CLNS1A	chloride channel, nucleotide-sensitive, 1A	-1.33225	0.0353191
CMC1	COX assembly mitochondrial protein homolog (S. cerevisiae)	-1.46558	0.017121
CNIH	cornichon homolog (Drosophila)	-1.30931	0.0138534
CNKSR2	connector enhancer of kinase suppressor of Ras 2	-1.23595	0.0114086
CNNM2	cyclin M2	-1.23871	0.00232107
COBLL1	COBL-like 1	-1.33828	0.0204946
COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	-1.43577	0.0262311
COMMD6	COMM domain containing 6	-1.45763	0.0403312
CORO2A	coronin, actin binding protein, 2A	-1.20096	0.0463305
COX6C	cytochrome c oxidase subunit VIc	-1.35894	0.00231295
COX7C	cytochrome c oxidase subunit VIIc	-1.38411	0.00871407
CREM	cAMP responsive element modulator	-1.65347	0.0235914
CSRP2BP	CSRP2 binding protein	-1.20249	0.00696975
CSRP2BP	CSRP2 binding protein	-1.28882	0.00122759
CXorf15	chromosome X open reading frame 15	-1.58817	0.0251229
CXorf15	chromosome X open reading frame 15	-1.61182	0.0260391
CXorf26	chromosome X open reading frame 26	-1.35492	0.0390069
DAD1	defender against cell death 1	-1.2729	0.0462265
DAP3	death associated protein 3	-1.31734	0.0461546
DARS	aspartyl-tRNA synthetase	-1.4668	0.00335531
DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	-1.80129	0.0115204
DDRGK1	DDRGK domain containing 1	-1.32318	0.00821544
DERA	2-deoxyribose-5-phosphate aldolase homolog (C. elegans)	-1.29124	0.0281373
DHFRL1	dihydrofolate reductase-like 1	-1.40857	0.0340616
DHPS	deoxyhypusine synthase	-1.635	0.021322
DIS3L2	DIS3 mitotic control homolog (S. cerevisiae)-like 2	-1.26335	0.00187594
DKKL1	dickkopf-like 1 (soggy)	-1.28921	0.0206973
DNAJC21	DnaJ (Hsp40) homolog, subfamily C, member 21	-1.27722	0.0144473
DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9	-1.31602	0.00975379
DNAL4	dynein, axonemal, light chain 4	-1.44597	0.0299203
DNASE1	deoxyribonuclease I	-1.64349	0.0133216
DOM3Z	dom-3 homolog Z (C. elegans)	-1.34361	0.0177785
DPH5	DPH5 homolog (S. cerevisiae)	-1.71451	0.00116279
DPH5	DPH5 homolog (S. cerevisiae)	-1.69768	0.0172672
DPH5	DPH5 homolog (S. cerevisiae)	-1.6709	0.0264448
DSTYK	dual serine/threonine and tyrosine protein kinase	-1.55152	0.0255341
EARS2	glutamyl-tRNA synthetase 2, mitochondrial (putative)	-1.44118	0.029989
EDAR	ectodysplasin A receptor	-2.12105	0.00193948
EEF1A1	Eukaryotic translation elongation factor 1 alpha 1	-1.30127	0.0495973
EEF2K	eukaryotic elongation factor-2 kinase	-1.74609	0.00553881
EID2B	EP300 interacting inhibitor of differentiation 2B	-1.38519	0.00413612
EIF2S2	eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa	-1.41622	0.00187098
EIF3E	eukaryotic translation initiation factor 3, subunit E	-1.50357	0.045536
EIF3H	eukaryotic translation initiation factor 3, subunit H	-1.4828	0.0498602
EIF3I	eukaryotic translation initiation factor 3, subunit I	-1.4576	0.0366174
EIF3K	eukaryotic translation initiation factor 3, subunit K	-1.2901	0.0392499
EIF3K	eukaryotic translation initiation factor 3, subunit K	-1.3163	0.0406
EIF3M	eukaryotic translation initiation factor 3, subunit M	-1.34214	0.0132223
EIF3M	eukaryotic translation initiation factor 3, subunit M	-1.33001	0.0401211
ESYT2	extended synaptotagmin-like protein 2	-1.57012	0.0235498
ETAA1	Ewing tumor-associated antigen 1	-1.46006	0.0378096
EXOC4	exocyst complex component 4	-1.21416	0.0237699
FAM128A	family with sequence similarity 128, member A	-1.50053	0.0194841
FAM128B	family with sequence similarity 128, member B	-1.51463	0.017112
FAM159A	family with sequence similarity 159, member A	-1.54755	0.0206864
FAM162A	family with sequence similarity 162, member A	-1.48231	0.0203341
FAM162A	family with sequence similarity 162, member A	-1.43362	0.0379184
FAM162A	family with sequence similarity 162, member A	-1.47665	0.0316674
FAM82B	Family with sequence similarity 82, member B	-1.54338	0.0183947
FASTK	Fas-activated serine/threonine kinase	-1.52531	0.0131482
FBXL19	F-box and leucine-rich repeat protein 19	-1.40207	0.00083939
FBXL20	F-box and leucine-rich repeat protein 20	-2.35454	0.00068588
FBXO22	F-box protein 22	-1.26927	0.00073488
FBXW2	F-box and WD repeat domain containing 2	-1.49271	0.0151649
FCRL1	Fc receptor-like 1	-1.35387	0.0413868
FDX1L	ferredoxin 1-like	-1.38072	0.00141896
FGFR1	fibroblast growth factor receptor 1	-1.23529	0.0177234

FKBP11	FK506 binding protein 11, 19 kDa	-1.54322	0.0102415
FKBP5	FK506 binding protein 5	-1.89849	0.0250267
FKBP5	FK506 binding protein 5	-1.91593	0.0356647
FTSJ2	FtsJ homolog 2 (E. coli)	-1.58888	0.0492185
GAS5	growth arrest-specific 5 (non-protein coding)	-1.64948	0.0357494
GAS5	growth arrest-specific 5 (non-protein coding)	-1.72685	0.0387943
GIPC1	GIPC PDZ domain containing family, member 1	-1.60566	0.0215005
GLS	glutaminase	-1.94997	0.0246664
GLTSCR2	glioma tumor suppressor candidate region gene 2	-1.79463	0.02707
GOLGA3	golgi autoantigen, golgin subfamily a, 3	-1.39256	0.0313313
GRAP	GRB2-related adaptor protein	-1.36955	0.00059841
GTF2F1	general transcription factor IIF, polypeptide 1, 74kDa	-1.35742	0.0287044
GTPBP3	GTP binding protein 3 (mitochondrial)	-1.82186	0.0292992
HADH	hydroxyacyl-Coenzyme A dehydrogenase	-1.71142	0.0376033
HEMGN	hemogen	-1.42588	0.0466859
HINFP	histone H4 transcription factor	-1.24658	0.0420515
HIPK2	homeodomain interacting protein kinase 2	-1.24055	0.02924
HIST1H1D	histone cluster 1, H1d	-1.56434	0.0120095
HMGN3	high mobility group nucleosomal binding domain 3	-1.35897	0.0345908
HMOX2	heme oxygenase (decycling) 2	-1.40234	0.00780407
HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	-1.28068	0.0463829
HNRNPD	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1	-1.25568	0.0384566
HPCAL4	hippocalcin like 4	-1.58975	0.0275952
HRAS	v-Ha-ras Harvey rat sarcoma viral oncogene homolog	-1.4085	0.00086239
HTT	huntingtin	-1.35025	0.00527167
HYLS1	hydrolethalus syndrome 1	-1.64052	0.0270097
IFT74	intraflagellar transport 74 homolog (Chlamydomonas)	-1.46508	0.0493152
IGHD /// LOC100290059 /// LOC100292999	immunoglobulin heavy constant delta /// similar to hCG2042717	-1.44967	0.0170655
IGHG1	Immunoglobulin heavy constant gamma 1 (G1m marker)	-1.83769	0.0331231
IGK@ / IGKC / IGKV3-20 / IGKV3D-11 / IGKV3D-15 /LOC440871	immunoglobulin kappa locus /// immunoglobulin kappa constant	-1.36735	0.0444116
IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	-1.57289	0.00789155
INADL	InaD-like (Drosophila)	-1.45929	0.0271291
JAM3	junctional adhesion molecule 3	-1.29057	0.042091
KCTD15	potassium channel tetramerisation domain containing 15	-1.23419	0.024889
KDM1	lysine (K)-specific demethylase 1	-1.22421	0.0260194
KIAA0406	KIAA0406	-1.55278	0.0418939
KIAA0748	KIAA0748	-1.61528	0.0255126
KIAA0922	KIAA0922	-1.54434	0.023377
KIAA1715	KIAA1715	-2.58637	0.0001403
KIAA1797	KIAA1797	-1.45808	0.0315503
KIN	KIN, antigenic determinant of recA protein homolog (mouse)	-1.33553	0.00055356
KLHL24	kelch-like 24 (Drosophila)	-1.29838	0.0481577
KLHL9	kelch-like 9 (Drosophila)	-1.3414	0.00726206
KLRB1	killer cell lectin-like receptor subfamily B, member 1	-2.08966	0.0392328
KRT10	keratin 10	-1.28023	0.0470453
KRTCAP2	keratinocyte associated protein 2	-1.34456	0.0324371
LDHB	lactate dehydrogenase B	-1.65832	0.0219505
LDHB	lactate dehydrogenase B	-1.67349	0.0301473
LETMD1	LETM1 domain containing 1	-1.66603	0.00248353
LMAN2L	lectin, mannose-binding 2-like	-1.22233	0.0186569
LOC100128731	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 4	-1.49862	0.00644053
LOC100131112	similar to hCG2002332	-1.20719	0.00129511
LOC100132815	Hypothetical protein LOC100132815	-1.54838	7.3906E-05
LOC100288418 /// LOC440552	similar to OK/SW-CL.16 /// OK/SW-cl.16	-1.51602	0.0165363
LOC129293	hypothetical protein LOC129293	-2.02411	0.0207298
LOC157562	hypothetical protein LOC157562	-1.50567	0.0158902
LOC202181	hypothetical protein LOC202181	-1.89485	0.0050168
LOC285949	hypothetical protein LOC285949	-1.44306	0.0461457
LOC441242	Hypothetical LOC441242	-1.51201	0.0100282
LOC595101	PI-3-kinase-related kinase SMG-1 pseudogene	-1.64233	0.0259366
LOC641518	hypothetical protein LOC641518	-1.22335	0.00694093
LOC650392	Hypothetical protein LOC650392	-1.45526	0.00218168
LOC653566 /// SPCS2	signal peptidase complex subunit 2 homolog pseudogene /signal peptidase compl	-1.46825	0.0299959
LOC728554 /// THOC3	similar to THO complex 3 /// THO complex 3	-1.53281	0.0444786
LOC728613	programmed cell death 6 pseudogene	-1.52551	0.00799908
LOC92249	hypothetical LOC92249	-1.21872	0.045661
LOH12CR1	loss of heterozygosity, 12, chromosomal region 1	-1.3192	0.00316843
LPCAT4	lysophosphatidylcholine acyltransferase 4	-1.3652	0.00788143
LRRC37A4	leucine rich repeat containing 37, member A4 (pseudogene)	-2.18539	0.00743875
LSM5	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-1.50826	0.0127873
LY9	lymphocyte antigen 9	-1.77308	0.0231209
MAN1A2	mannosidase, alpha, class 1A, member 2	-1.40385	0.0465042

MAN1B1	mannosidase, alpha, class 1B, member 1	-1.31911	0.00110326
MAN2A1	mannosidase, alpha, class 2A, member 1	-1.26415	0.0147469
MAP4K3	mitogen-activated protein kinase kinase kinase kinase 3	-1.49793	0.0214899
MAPKAP1	mitogen-activated protein kinase associated protein 1	-1.30398	8.6224E-05
MBTPS2	membrane-bound transcription factor peptidase, site 2	-1.23211	0.0150229
MCAM	melanoma cell adhesion molecule	-1.36503	0.0257852
MCART6	mitochondrial carrier triple repeat 6	-1.21517	0.0287895
MCCC1	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	-1.45187	0.00942553
METT5D1	methyltransferase 5 domain containing 1	-1.27751	0.00608519
METTL10	methyltransferase like 10	-1.39223	0.00997605
METTL11A	methyltransferase like 11A	-1.26149	0.00205232
METTL3	methyltransferase like 3	-1.38581	0.00446407
MPHOSPH8	M-phase phosphoprotein 8	-1.35668	0.0271022
MRPL30	mitochondrial ribosomal protein L30	-1.86716	0.00532191
MRPL35	mitochondrial ribosomal protein L35	-1.40043	0.0128362
MRPL45	mitochondrial ribosomal protein L45	-1.32022	0.0445562
MRPL51	mitochondrial ribosomal protein L51	-1.38367	0.0356126
MRPS21	mitochondrial ribosomal protein S21	-1.33879	0.0277792
MRPS22	mitochondrial ribosomal protein S22	-1.31635	0.0221762
MRPS33	mitochondrial ribosomal protein S33	-1.47513	0.0375032
MTA1	metastasis associated 1	-1.5083	0.0359618
MTERFD3	MTERF domain containing 3	-1.66154	0.013822
MTM1	myotubularin 1	-1.31409	0.0171153
MTMR12	myotubularin related protein 12	-1.44872	0.0122477
MTUS1	mitochondrial tumor suppressor 1	-1.63791	0.0383304
MUC20	Mucin 20, cell surface associated	-2.0464	0.0432188
MYO9A	myosin IXA	-1.30521	0.0120488
NAP1L1	nucleosome assembly protein 1-like 1	-1.45066	0.0108338
NAP1L1	nucleosome assembly protein 1-like 1	-1.41037	0.0129611
NAP1L1	nucleosome assembly protein 1-like 1	-1.6064	0.00732828
NAP1L1	nucleosome assembly protein 1-like 1	-1.3371	0.0435169
NAP1L1	nucleosome assembly protein 1-like 1	-1.44496	0.0458202
NAP1L1	nucleosome assembly protein 1-like 1	-1.60317	0.0377094
NBPF3	neuroblastoma breakpoint family, member 3	-1.33637	0.00168675
NDFIP1	Nedd4 family interacting protein 1	-1.42158	0.0275775
NDUFB11	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa	-1.249	0.00071172
NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	-1.23594	0.0225841
NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	-1.26578	0.0478222
NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa	-1.27321	0.0188719
NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reduc	-1.35926	0.0331852
NGFRAP1	nerve growth factor receptor (TNFRSF16) associated protein 1	-1.54364	0.00779118
NIT2	nitrilase family, member 2	-1.35153	0.0161708
NKTR	natural killer-tumor recognition sequence	-1.48923	0.0314916
NOG	noggin	-1.73894	0.0357377
NOMO1 /// NOMO2 /// NOMO3	NODAL modulator 1 /// NODAL modulator 2 /// NODAL modulator 3	-1.24636	0.0481148
NPC1	Niemann-Pick disease, type C1	-1.35253	0.0043522
NSDHL	NAD(P) dependent steroid dehydrogenase-like	-1.43033	0.0125047
NUCB2	nucleobindin 2	-1.26442	0.0357396
PABPC4	poly(A) binding protein, cytoplasmic 4 (inducible form)	-1.40472	0.00130296
PCBP2	poly(rC) binding protein 2	-1.33898	0.0276313
PCGF6	polycomb group ring finger 6	-1.59274	0.0345101
PCNXL2	pecanex-like 2 (Drosophila)	-1.27329	0.040744
PCYOX1L	prenylcysteine oxidase 1 like	-1.21062	0.00086264
PECR	peroxisomal trans-2-enoyl-CoA reductase	-1.58221	0.0391691
PERP	PERP, TP53 apoptosis effector	-1.40605	0.0339503
PFDN5	prefoldin subunit 5	-1.34357	0.0415832
PIGK	phosphatidylinositol glycan anchor biosynthesis, class K	-1.40933	0.00515282
PIGN	phosphatidylinositol glycan anchor biosynthesis, class N	-1.50964	0.0400446
PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	-1.45358	0.00018639
PKD1	polycystic kidney disease 1 (autosomal dominant)	-1.26137	0.0115667
PLEKHB1	pleckstrin homology domain containing, family B (evectins) member 1	-1.84175	0.00587814
PLXND1	plexin D1	-1.29401	0.0354608
PMS2 /// PMS2CL	PMS2 postmeiotic segregation increased 2 (S. cerevisiae) /// PMS2 C-terminal lik	-1.36491	0.0475739
PNN	pinin, desmosome associated protein	-1.50729	0.00241284
POLH	polymerase (DNA directed), eta	-1.20301	0.0484558
PPARA	peroxisome proliferator-activated receptor alpha	-1.378	0.0251304
PPARA	peroxisome proliferator-activated receptor alpha	-1.23436	0.0108126
PPDPF	pancreatic progenitor cell differentiation and proliferation factor homolog (zeb	-1.54107	0.00272967
PPDPF	pancreatic progenitor cell differentiation and proliferation factor homolog (zeb	-1.32245	0.0402146
PPDPF	pancreatic progenitor cell differentiation and proliferation factor homolog (zeb	-1.44118	0.0175607
PPIL2	Peptidylprolyl isomerase (cyclophilin)-like 2	-1.4173	0.0368827
PPP1R3E	protein phosphatase 1, regulatory (inhibitor) subunit 3E	-1.77289	0.0337234
PPP2R5D	protein phosphatase 2, regulatory subunit B', delta isoform	-1.50789	0.0419022

PRDM15	PR domain containing 15	-1.72772	0.044562
PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	-1.25146	0.0270393
PRR12	proline rich 12	-1.67628	0.0232313
PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	-1.29172	0.0443858
PTCD1	pentatricopeptide repeat domain 1	-1.37101	0.0278316
PTDSS1	phosphatidylserine synthase 1	-1.27325	0.0367262
RAB4A /// SPHAR	RAB4A, member RAS oncogene family /// S-phase response (cyclin related)	-1.44489	0.0208531
RALBP1	ralA binding protein 1	-1.27025	0.029765
RANGAP1	Ran GTPase activating protein 1	-1.63359	0.0179378
RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1	-1.33016	0.0010199
RAP1GDS1	RAP1, GTP-GDP dissociation stimulator 1	-1.46667	0.00721437
RARG	retinoic acid receptor, gamma	-1.21978	0.0156772
RBM10	RNA binding motif protein 10	-1.22256	0.0323089
RBM41	RNA binding motif protein 41	-1.49109	0.00052835
RCAN3	RCAN family member 3	-1.51669	0.00399578
RCC1 /// SNHG3-RCC1	regulator of chromosome condensation 1 /// SNHG3-RCC1 readthrough transcript	-1.76528	0.00277279
RCHY1	ring finger and CHY zinc finger domain containing 1	-1.26782	0.0413495
RECK	reversion-inducing-cysteine-rich protein with kazal motifs	-2.01374	0.0397012
RETSAT	retinol saturase (all-trans-retinol 13,14-reductase)	-1.49779	0.00202509
RHBDD1	rhomboid domain containing 1	-1.34688	0.00075395
RHOBTB3	Rho-related BTB domain containing 3	-1.42304	0.0207513
RHOF	ras homolog gene family, member F (in filopodia)	-1.45225	0.00278408
RICS	Rho GTPase-activating protein	-1.29633	0.00205729
RNASEH2C	ribonuclease H2, subunit C	-1.62414	0.0309886
RNF113A	ring finger protein 113A	-1.44943	0.0150485
RNF214	ring finger protein 214	-1.47277	0.0222356
ROBO3	roundabout, axon guidance receptor, homolog 3 (Drosophila)	-1.38404	0.044159
RP3-377H14.5	hypothetical LOC285830	-1.37341	0.0114995
RPL10	ribosomal protein L10	-1.42665	0.0371091
RPL10L	ribosomal protein L10-like	-1.58847	0.00336221
RPL13	ribosomal protein L13	-1.29263	0.0435541
RPL13	ribosomal protein L13	-1.26328	0.0421381
RPL14	ribosomal protein L14	-1.50793	0.0194072
RPL22	ribosomal protein L22	-1.41265	0.0492284
RPL22	ribosomal protein L22	-1.58389	0.0384532
RPL22	ribosomal protein L22	-1.75376	0.0418947
RPL24	ribosomal protein L24	-1.29054	0.0231697
RPL29	ribosomal protein L29	-1.43174	0.041312
RPL35A	ribosomal protein L35a	-1.45531	0.0451449
RPL36	ribosomal protein L36	-1.48366	0.0431798
RPL36A	ribosomal protein L36a	-1.42145	0.00980104
RPL36A	ribosomal protein L36a	-1.38424	0.0077154
RPL36AL	ribosomal protein L36a-like	-1.23358	0.0442704
RPL38	ribosomal protein L38	-1.2911	0.0172345
RPL7A	ribosomal protein L7a	-1.45102	0.0398302
RPS10P5	ribosomal protein S10 pseudogene 5	-1.37462	0.00735436
RPS14	ribosomal protein S14	-1.32354	0.00648714
RPS17P5	ribosomal protein S17 pseudogene 5	-1.71947	0.047788
RPS20	ribosomal protein S20	-1.32019	0.0339846
RPS25	ribosomal protein S25	-1.22857	0.0268841
RPS27L	ribosomal protein S27-like	-1.42794	0.0182076
RPS28	ribosomal protein S28	-1.2544	0.0194805
RPS4P6 /// RPS4X	ribosomal protein S4X pseudogene 6 /// ribosomal protein S4, X-linked	-1.70729	0.025568
RPS8	ribosomal protein S8	-1.46975	0.0353421
SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-like	-1.63627	0.0483278
SCAMP1	secretory carrier membrane protein 1	-1.38572	0.0422395
SCARNA17	small Cajal body-specific RNA 17	-1.5692	0.0130086
SCFD2	sec1 family domain containing 2	-1.68772	0.0325961
SCMH1	sex comb on midleg homolog 1 (Drosophila)	-1.37498	0.0136526
SEC22C	SEC22 vesicle trafficking protein homolog C (S. cerevisiae)	-1.50934	0.00732128
SELS	selenoprotein S	-1.22087	0.0139673
SF3A2	splicing factor 3a, subunit 2, 66kDa	-1.44892	0.0390546
SFRS14	splicing factor, arginine/serine-rich 14	-1.41539	0.012723
SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	-1.36614	0.0297454
SIRT5	sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	-1.48674	0.00013307
SLC16A10	solute carrier family 16, member 10 (aromatic amino acid transporter)	-1.87628	0.00017069
SLC22A23	solute carrier family 22, member 23	-1.35824	0.00712172
SLC25A14	solute carrier family 25 (mitochondrial carrier, brain), member 14	-1.45719	0.0194891
SLC35C2	solute carrier family 35, member C2	-1.2418	0.00165983
SLC7A6	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	-2.03733	0.0402973
SLC7A6OS	solute carrier family 7, member 6 opposite strand	-1.72667	0.0428169
SMN1 /// SMN2	survival of motor neuron 1, telomeric /// survival of motor neuron 2, centromeri	-1.24535	0.0307126
SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal	-1.77573	0.0395524

SMUG1	single-strand-selective monofunctional uracil-DNA glycosylase 1	-1.88611	0.00059577
SNHG5	small nucleolar RNA host gene 5 (non-protein coding)	-1.53131	0.0279123
SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa	-1.52827	0.0159252
SNRPN	small nuclear ribonucleoprotein polypeptide N	-2.71777	0.0208996
SNX19	sorting nexin 19	-1.27781	0.0207267
SNX29	sorting nexin 29	-1.58327	0.0423193
SNX29	sorting nexin 29	-1.92018	0.0364998
SSBP1	single-stranded DNA binding protein 1	-1.32756	0.00895462
SSR4	signal sequence receptor, delta (translocon-associated protein delta)	-1.27146	0.00104859
ST13	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	-1.60826	0.0254419
STAG3L1	stromal antigen 3-like 1	-1.7473	0.0498829
STK16	serine/threonine kinase 16	-1.23767	0.0467796
STRN3	striatin, calmodulin binding protein 3	-1.25991	0.0274599
SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	-1.47243	0.0157078
SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	-1.49393	0.0360744
SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	-1.73158	0.0392954
SUMF2	sulfatase modifying factor 2	-1.34162	0.0413464
SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	-1.24825	0.0248885
SYNRG	synergin, gamma	-2.0232	0.0162577
SYTL2	synaptotagmin-like 2	-1.96336	0.00378061
SYTL3	synaptotagmin-like 3	-1.38053	0.0452966
TBC1D12	TBC1 domain family, member 12	-1.74785	0.0200868
TBCA	tubulin folding cofactor A	-1.31679	0.0177403
TBRG1	transforming growth factor beta regulator 1	-1.46696	0.0203908
TBRG4	transforming growth factor beta regulator 4	-1.52701	0.00209806
TCEA3	transcription elongation factor A (SII), 3	-1.92952	0.00147393
TM9SF3	Transmembrane 9 superfamily member 3	-1.32227	0.0283168
TMEM18	transmembrane protein 18	-1.20737	0.0308255
TMEM223	transmembrane protein 223	-1.21237	0.0408745
TMEM38B	transmembrane protein 38B	-1.32882	0.0132415
TMEM5	transmembrane protein 5	-1.34741	0.036101
TMEM57	transmembrane protein 57	-1.43619	0.0221649
TMEM63A	transmembrane protein 63A	-1.28283	0.0252158
TNK1	tyrosine kinase, non-receptor, 1	-1.23767	0.0442838
TOMM20	translocase of outer mitochondrial membrane 20 homolog (yeast)	-1.44824	0.0220225
TRAPPC6A	trafficking protein particle complex 6A	-1.54563	0.00742427
TSC22D3	TSC22 domain family, member 3	-1.85692	0.0372421
TSGA14	testis specific, 14	-1.86916	0.00494961
TTC9	tetratricopeptide repeat domain 9	-1.73524	0.0365405
TUBD1	tubulin, delta 1	-1.52496	0.0408378
UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1	-1.25399	0.0397926
UBE2CBP	ubiquitin-conjugating enzyme E2C binding protein	-1.28368	0.0005102
UNK	unkempt homolog (Drosophila)	-1.47245	0.0163873
UQCRB	ubiquinol-cytochrome c reductase binding protein	-1.41236	0.00488936
UQCRB	ubiquinol-cytochrome c reductase binding protein	-1.40468	0.0133259
UQCRC2	ubiquinol-cytochrome c reductase core protein II	-1.27313	0.0425789
USP35	ubiquitin specific peptidase 35	-1.69051	0.0249598
USP36	ubiquitin specific peptidase 36	-1.22923	0.0469602
USP53	ubiquitin specific peptidase 53	-1.70292	0.0319284
USP53	ubiquitin specific peptidase 53	-1.28552	0.043153
VAMP4	vesicle-associated membrane protein 4	-1.3543	0.00343203
VSIG1	V-set and immunoglobulin domain containing 1	-2.08711	0.0150441
VSIG1	V-set and immunoglobulin domain containing 1	-2.2997	0.0174236
WWOX	WW domain containing oxidoreductase	-1.32768	0.00376087
YTHDC1	YTH domain containing 1	-1.30795	0.0407676
ZBTB1	Zinc finger and BTB domain containing 1	-1.26096	0.00515295
ZBTB45	zinc finger and BTB domain containing 45	-1.24065	0.0336371
ZER1	zer-1 homolog (C. elegans)	-1.25494	0.0183405
ZFAND1	zinc finger, AN1-type domain 1	-1.76948	0.0447691
ZFPM1	zinc finger protein, multitype 1	-1.26581	0.027397
ZMAT3	zinc finger, matrin type 3	-1.82958	0.0105938
ZNF10	zinc finger protein 10	-1.46181	0.0144194
ZNF148	zinc finger protein 148	-1.48368	0.00956795
ZNF224	zinc finger protein 224	-1.38493	0.0195172
ZNF276	zinc finger protein 276	-1.31923	0.0238419
ZNF284	zinc finger protein 284	-1.49124	0.0421132
ZNF32	zinc finger protein 32	-1.6386	0.0371068
ZNF337	zinc finger protein 337	-1.38976	0.0172551
ZNF37B	zinc finger protein 37B (pseudogene)	-1.89023	0.0223688
ZNF436	zinc finger protein 436	-1.74588	0.00753634
ZNF673 /// ZNF674	zinc finger family member 673 /// zinc finger family member 674	-1.35038	0.0278898
ZNF763	zinc finger protein 763	-2.32093	0.0185601
ZNF786	zinc finger protein 786	-1.80946	0.0103736

ZNF831	zinc finger protein 831	-2.14316	0.0480802
ZSCAN22	zinc finger and SCAN domain containing 22	-1.37722	0.00650369
ZZZ3	zinc finger, ZZ-type containing 3	-1.9167	0.0216115

Supplementary Table 3. Genes up-regulated by dietary strawberries in LPS-treated peripheral blood leukocytes

Gene Symbol	Gene Title	Fold Change	*P* value
ADARB1	Adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	1.23825	0.0082529
ADORA3	adenosine A3 receptor	1.45742	0.0067242
AFF1	AF4/FMR2 family, member 1	1.63137	0.0473071
AFF4	AF4/FMR2 family, member 4	1.53884	0.0399357
ANKRD10	ankyrin repeat domain 10	1.69289	0.0409955
ATF6B	activating transcription factor 6 beta	1.36076	0.036472
ATHL1	ATH1, acid trehalase-like 1 (yeast)	1.46005	0.0273776
ATP10B	ATPase, class V, type 10B	1.32708	0.0362365
AZI2	5-azacytidine induced 2	1.49389	0.0276453
B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	1.27401	0.0057522
B4GALT1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	1.32956	0.0002712
BTG1	B-cell translocation gene 1, anti-proliferative	1.24868	0.0224601
C16orf79	chromosome 16 open reading frame 79	1.25116	0.0128786
C17orf96	chromosome 17 open reading frame 96	1.52951	0.0006715
C19orf12	chromosome 19 open reading frame 12	1.29616	0.0244253
C19orf36	chromosome 19 open reading frame 36	1.3699	0.0001771
C4orf32	chromosome 4 open reading frame 32	1.34452	0.0479278
C7orf16	Chromosome 7 open reading frame 16	1.47181	0.0315056
CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit	1.26316	0.0204622
CASP4	caspase 4, apoptosis-related cysteine peptidase	1.87544	0.0288813
CCNL1	cyclin L1	2.74504	0.0378715
CD44	CD44 molecule (Indian blood group)	2.34536	0.0151554
CD46	CD46 molecule, complement regulatory protein	1.25386	0.0274965
CD46	CD46 molecule, complement regulatory protein	1.38332	0.0141411
CDADC1	cytidine and dCMP deaminase domain containing 1	1.38076	0.0408615
CDC23	cell division cycle 23 homolog (S. cerevisiae)	1.36268	0.0119168
CEMP1	Cementum protein 1	1.34966	0.0005684
CFLAR	CASP8 and FADD-like apoptosis regulator	1.4503	0.0065149
CG012	hypothetical gene CG012	1.93896	0.0355101
CHERP	calcium homeostasis endoplasmic reticulum protein	1.35199	0.0339834
CHRNA6	cholinergic receptor, nicotinic, alpha 6	1.27216	0.0136651
CMKLR1	chemokine-like receptor 1	1.54823	0.0339558
CNDP2	CNDP dipeptidase 2 (metallopeptidase M20 family)	1.30151	0.000303
CSRP2	cysteine and glycine-rich protein 2	1.30054	0.0104088
CTNNB1	catenin (cadherin-associated protein), beta 1, 88kDa	1.47921	0.0304437
D21S2089E	D21S2089E	1.68839	0.0049225
DCAF15	DDB1 and CUL4 associated factor 15	1.43085	0.0484187
DENND1B	DENN/MADD domain containing 1B	2.1903	0.0314346
DKFZp566H0824	hypothetical LOC54744	1.83715	0.000358
DKFZp686O24166	Hypothetical protein DKFZp686O24166	1.77817	0.03824
DVL3	dishevelled, dsh homolog 3 (Drosophila)	1.25278	0.0487684
EGLN3	egl nine homolog 3 (C. elegans)	1.21452	0.0054199
EHD4	EH-domain containing 4	1.69753	3.60E-05
EI24	etoposide induced 2.4 mRNA	1.25476	0.0451935
EIF1	eukaryotic translation initiation factor 1	1.70072	0.0354884
EPB41L5	erythrocyte membrane protein band 4.1 like 5	2.04956	0.0334581
ERP44	endoplasmic reticulum protein 44	1.33268	0.0443094
ETFDH	electron-transferring-flavoprotein dehydrogenase	1.30327	0.0393325
EWSR1	Ewing sarcoma breakpoint region 1	2.46233	0.0024952
FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor	1.22689	0.0005959
FAM120A	family with sequence similarity 120A	1.30758	0.0415293
FAM123B	family with sequence similarity 123B	1.26227	0.0112329
FAM125A	family with sequence similarity 125, member A	1.61459	0.0336298
FAM21C /// FAM21D	family with sequence similarity 21, member C /// family with sequence similarity	1.36639	0.038879
FAM54A	family with sequence similarity 54, member A	1.25341	0.0014707
FANCA	Fanconi anemia, complementation group A	1.39422	0.0262786
FKSG49	FKSG49	1.2724	0.0460535
FLJ10213	hypothetical protein FLJ10213	1.61977	0.0170755
FLJ32065	hypothetical protein FLJ32065	1.32435	0.0191441
FLJ33065	hypothetical gene supported by AK057627; BC031275; BC045736	1.61586	0.0138164
GGT1	gamma-glutamyltransferase 1	1.91116	0.0366057
GGT7	gamma-glutamyltransferase 7	1.30873	0.0363317
GHRL	ghrelin/obestatin prepropeptide	1.3396	0.0336575
GLI3	GLI family zinc finger 3	1.46274	0.0006842
GSTM2	glutathione S-transferase mu 2 (muscle)	1.24906	0.0462231
HHLA3	HERV-H LTR-associating 3	1.35011	0.0097723
HIPK3	homeodomain interacting protein kinase 3	2.68503	0.0196978
HPCAL1	hippocalcin-like 1	1.65578	0.0252403
IGLV4-3	immunoglobulin lambda variable 4-3	1.40325	0.0169785

IGSF3	immunoglobulin superfamily, member 3	1.31801	0.004531
IL13	interleukin 13	1.45916	0.025466
IRS1	Insulin receptor substrate 1	2.31832	0.0115036
ITGB8	integrin, beta 8	1.98735	0.008862
ITIH4	inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein)	1.46499	0.0042727
KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	1.40398	0.0367057
KIAA0182	KIAA0182	1.41253	0.0285774
KIAA0415	KIAA0415	1.46618	0.0283328
KIAA0415	KIAA0415	1.55837	0.0184336
KLHL21	kelch-like 21 (Drosophila)	1.43021	0.0032577
KLHL6	kelch-like 6 (Drosophila)	1.5794	0.0111588
LARP7	La ribonucleoprotein domain family, member 7	1.32388	0.0330844
LOC100131043	hypothetical LOC100131043	1.49131	0.0152139
LOC100272228	hypothetical LOC100272228	1.51672	0.038182
LOC284805	hypothetical LOC284805	1.21179	0.045401
LOC401312	hypothetical LOC401312	1.53998	0.0098373
LOC440944	hypothetical LOC440944	1.92948	0.0266506
LOC649305	hypothetical LOC649305	2.03037	0.034759
LOC65998	hypothetical protein LOC65998	1.20526	0.0169734
LOC729046 /// RPL17	similar to ribosomal protein L17 /// ribosomal protein L17	1.58157	0.0410417
LRRFIP1	Leucine rich repeat (in FLII) interacting protein 1	1.77333	0.0125544
LRRFIP1	Leucine rich repeat (in FLII) interacting protein 1	1.23217	0.0237941
MACC1	metastasis associated in colon cancer 1	1.96396	0.032417
MACC1	metastasis associated in colon cancer 1	1.94367	0.0180861
MANBA	mannosidase, beta A, lysosomal	1.72232	0.0253891
MARK3	MAP/microtubule affinity-regulating kinase 3	1.52382	0.0497822
MARS	methionyl-tRNA synthetase	1.59262	0.0356328
MCCC1	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	1.28197	0.0355283
MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	1.74379	0.0199337
MR1	major histocompatibility complex, class I-related	2.48859	0.0438796
MYO1G	myosin IG	1.71791	0.0090692
MYOF	myoferlin	1.22172	0.0001289
N4BP2L2	NEDD4 binding protein 2-like 2	1.70962	0.0475
NBN	Nibrin	1.44325	0.0429934
NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive	1.51809	0.0241981
NKX3-1	NK3 homeobox 1	1.41687	0.008917
NOD1	nucleotide-binding oligomerization domain containing 1	2.31953	0.0172462
NRD1	nardilysin (N-arginine dibasic convertase)	1.48913	0.0237848
NRP2	neuropilin 2	1.29723	0.0289478
NSUN6	NOL1/NOP2/Sun domain family, member 6	2.17447	0.0052073
OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	2.79946	0.0378435
OSGIN2	Oxidative stress induced growth inhibitor family member 2	1.43161	0.0297407
PADI1	peptidyl arginine deiminase, type I	1.6329	0.0042209
PAK4	p21 protein (Cdc42/Rac)-activated kinase 4	1.2532	0.0209918
PIGV	Phosphatidylinositol glycan anchor biosynthesis, class V	1.36147	0.0055652
PION	Pigeon homolog (Drosophila)	1.93554	0.005842
PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	1.71261	0.0279314
PKN2	protein kinase N2	1.28885	0.0254372
PLA1A	phospholipase A1 member A	3.4853	0.0093334
PLSCR1	phospholipid scramblase 1	2.18268	0.0120355
PLSCR2	phospholipid scramblase 2	1.31382	0.0045887
PLXND1	plexin D1	2.76546	0.0292692
POLI	polymerase (DNA directed) iota	1.48517	0.0317261
POU2F1	POU class 2 homeobox 1	1.49184	0.0116341
PRKXP1	protein kinase, X-linked, pseudogene 1	1.3403	0.0078339
QKI	Quaking homolog, KH domain RNA binding (mouse)	1.69364	0.0081598
QSK	serine/threonine-protein kinase QSK	1.90699	0.0250584
RAD9A	RAD9 homolog A (S. pombe)	1.8521	0.0487931
RAPGEF2	Rap guanine nucleotide exchange factor (GEF) 2	3.05178	0.0043293
REXO2	REX2, RNA exonuclease 2 homolog (S. cerevisiae)	1.30047	0.0315913
RFX1	regulatory factor X, 1 (influences HLA class II expression)	1.49404	0.0247187
RHBDD1	rhomboid domain containing 1	1.21076	0.0039991
RIMKLB	ribosomal modification protein rimK-like family member B	1.32046	0.0248096
RUFY2	RUN and FYVE domain containing 2	1.79912	0.0349447
RUNX1	runt-related transcription factor 1	1.53717	0.0441107
SCARB2	scavenger receptor class B, member 2	2.32866	0.0463802
SEC61B	Sec61 beta subunit	2.44362	0.0024507
SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	2.54129	0.0257753
SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	1.53958	0.0068393
SETDB2	SET domain, bifurcated 2	1.29916	0.0163026
SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	1.35884	0.0011346
SLC25A37	Solute carrier family 25, member 37	1.52511	0.0401621
SLC30A4	solute carrier family 30 (zinc transporter), member 4	1.58447	0.0190154

SLC35F5	solute carrier family 35, member F5	2.01769	0.0023774
SPNS1	spinster homolog 1 (Drosophila)	1.28931	0.0430282
SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	2.18019	0.0234403
SREBF2	sterol regulatory element binding transcription factor 2	1.36599	0.0271377
STAT3	signal transducer and activator of transcription 3 (acute-phase response factor)	2.05805	0.0246179
STOML1	stomatin (EPB72)-like 1	2.17213	0.0409988
STXBP2	syntaxin binding protein 2	1.30793	0.024167
SYTL3	synaptotagmin-like 3	1.40971	0.0376514
TAGLN	transgelin	1.59354	0.0354344
TBRG1	transforming growth factor beta regulator 1	1.2304	0.0422251
TMBIM4	transmembrane BAX inhibitor motif containing 4	1.26074	0.0338499
TNS1	tensin 1	1.25687	0.0054884
TOR3A	torsin family 3, member A	1.60732	0.041174
TPP1	tripeptidyl peptidase I	1.33888	0.0280226
TTTY9A /// TTTY9B	testis-specific transcript, Y-linked 9A (non-protein coding) /// testis-specific	1.30392	0.0001519
TWISTNB	TWIST neighbor	1.69752	0.0368412
U2AF2	U2 small nuclear RNA auxiliary factor 2	1.25568	0.0432077
UBXN6	UBX domain protein 6	1.34986	0.023177
USP25	ubiquitin specific peptidase 25	2.09699	0.0297678
VAMP2	vesicle-associated membrane protein 2 (synaptobrevin 2)	1.42278	0.0498371
VEGFA	vascular endothelial growth factor A	1.51975	0.0322452
WNT5A	wingless-type MMTV integration site family, member 5A	2.69102	0.0224232
WNT5B	wingless-type MMTV integration site family, member 5B	1.46578	0.0341709
ZFYVE16	zinc finger, FYVE domain containing 16	1.45914	0.0089226
ZHX2	zinc fingers and homeoboxes 2	1.72523	0.0190167