

Table S1 The 128 genes identified as differentially expressed by microarray comparison of the 40 mg dose group with either the 2.5 or 5 mg dose groups. Note there are 182 genes listed here as one gene was (MOXD1) was represented twice on the array.

Gene name	Comparison dose (mg)
Arrestin domain containing 4 (ARRDC4)	10
Cadherin 13, H-cadherin (heart) (CDH13)	10
Collagen, type IV, alpha 5 (COL4A5), transcript variant 2	10
Cytochrome P450, family 4, subfamily B, polypeptide 1 (CYP4B1), transcript variant 2	10
Homeobox A10 (HOXA10), transcript variant 1	10
Hypothetical protein FLJ21986 (FLJ21986)	10
KH domain containing, RNA binding, signal transduction associated 3 (KHDRBS3)	10
Laminin, alpha 2 (LAMA2), transcript variant 1	10
Monooxygenase, DBH-like 1 (MOXD1), transcript variant 2	10
Vasoactive intestinal peptide receptor 2 (VIPR2)	10
NAD(P)H dehydrogenase, quinone 1 (NQO1), transcript variant 1	10
Solute carrier family 39 (zinc transporter), member 8 (SLC39A8)	10
Sulfatase 1 (SULF1)	10
Transmembrane 4L six family member 18 (TM4SF18)	10
Acyl-Coenzyme A oxidase 2, branched chain (ACOX2)	10 and 40
ADAM metallopeptidase with thrombospondin type 1 motif, 1 (ADAMTS1)	10 and 40
CD36 molecule (thrombospondin receptor) (CD36), transcript variant 3	10 and 40
Chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) (CXCL13)	10 and 40
Chromosome four open reading frame 18 (C4orf18), transcript variant 2	10 and 40
Collagen, type IV, alpha 6 (COL4A6), transcript variant A	10 and 40
Laminin, beta 1 (LAMB1)	10 and 40
LIM and cysteine-rich domains 1 (LMCD1)	10 and 40
UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13) (GALNT13)	10 and 40
MAM domain containing 2 (MAMDC2)	10 and 40
Phospholipase C-like 1 (PLCL1)	10 and 40
RPE-spondin (RPESP)	10 and 40
Hypothetical protein LOC144481, transcript variant 1 (LOC144481)	10 and 40
AGENCOURT_13462296 NIH_MGC_187 cDNA clone IMAGE:30318122 5, mRNA sequence	40
BX093803 Soares_pregnant_uterus_NbHPU cDNA clone IMAGp998L054309, mRNA sequence	40
5,10-methylenetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) (MTHFS)	40
ADP-ribosylation factor-like 5 A (ARL5A), transcript variant 3	40
ADP-ribosylation-like factor 6 interacting protein 6 (ARL6IP6)	40
Aldehyde dehydrogenase one family, member L1 (ALDH1L1)	40
Aldehyde oxidase 1 (AOX1)	40
Anthrax toxin receptor 2 (ANTXR2)	40
Arylsulfatase B (ARSB), transcript variant 1	40
Basic transcription factor 3-like 4 (BTF3L4)	40
bolA homolog 3 (<i>E. coli</i>) (BOLA3), transcript variant 1	40
bolA homolog 3 (<i>E. coli</i>) (BOLA3), transcript variant 2	40
Brain protein 44 (BRP44)	40
Ca ⁺⁺ -dependent secretion activator 2 (CADPS2), transcript variant 1	40
Calcitonin receptor-like (CALCRL)	40
Cartilage intermediate layer protein, nucleotide pyrophosphohydrolase (CILP)	40
CASP2 and RIPK1 domain containing adapter with death domain (CRADD)	40
cDNA FLJ13598 fis, clone PLACE1009921	40

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Table SI *Continued*

Gene name	Comparison dose (mg)
cDNA FLJ37143 fis, clone BRACE2024222	40
Ceruloplasmin (ferroxidase) (CP)	40
Chloride intracellular channel 6 (CLIC6)	40
Chondrolectin (CHODL)	40
Chromatin modifying protein 5 (CHMP5)	40
Chromosome 17 open reading frame 58 (C17orf58), transcript variant 2	40
Chromosome 3 open reading frame 14 (C3orf14)	40
Chromosome 4 open reading frame 34 (C4orf34)	40
COBL-like 1 (COBLL1)	40
Coenzyme Q2 homolog, prenyltransferase (yeast) (COQ2)	40
PREDICTED: hypothetical protein LOC145837, transcript variant 2 (LOC145837)	40
PREDICTED: hypothetical protein LOC644571 (LOC644571)	40
Collagen, type IX, alpha 2 (COL9A2)	40
Collapsin response mediator protein 1 (CRMP1), transcript variant 1	40
COMM domain containing 10 (COMMD10)	40
COMM domain containing 8 (COMMD8)	40
Cornichon homolog (Drosophila) (CNIH)	40
Cornichon homolog (Drosophila) (CNIH), transcript variant 2	40
Crystallin, alpha B (CRYAB)	40
Cysteine-rich PDZ-binding protein (CRIPT)	40
Cytokine receptor-like factor 3 (CRLF3)	40
Dapper, antagonist of beta-catenin, homolog 2 (Xenopus laevis) (DACT2)	40
Dedicator of cytokinesis 10 (DOCK10)	40
Dedicator of cytokinesis 2 (DOCK2)	40
Dedicator of cytokinesis 8 (DOCK8)	40
Degenerative spermatocyte homolog 1, lipid desaturase (Drosophila) (DEGS1), transcript variant 1	40
DEP domain containing 6 (DEPDC6)	40
Dickkopf homolog 1 (Xenopus laevis) (DKK1)	40
Dipeptidyl-peptidase 6 (DPP6), transcript variant 1	40
DnaJ (Hsp40) homolog, subfamily C, member 15 (DNAJC15)	40
DPH3, KTI11 homolog (S. cerevisiae) (DPH3), transcript variant 2	40
Dynamin 1-like (DNM1L), transcript variant 1	40
ELOVL family member 5, elongation of long chain fatty acids (FEN1 / Elo2, SUR4/ Elo3-like, yeast) (ELOVL5)	40
Endothelin receptor type B (EDNRB), transcript variant 1	40
Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide (FCER1G)	40
Fibrinogen-like 2 (FGL2)	40
Formin homology 2 domain containing 3 (FHOD3)	40
Fumarylacetoacetate hydrolase domain containing 1 (FAHD1), nuclear gene encoding mitochondrial protein, transcript variant 1	40
G protein-coupled bile acid receptor 1 (GPBAR1), transcript variant 1	40
G protein-coupled bile acid receptor 1 (GPBAR1), transcript variant 3	40
Gamma-glutamyl hydrolase (conjugase, folylpolyglutamyl hydrolase) (GGH)	40
Glutamyl aminopeptidase (aminopeptidase A) (ENPEP)	40
Glycerophosphodiester phosphodiesterase domain containing 5 (GDPD5)	40
GTPase, IMAP family member 4 (GIMAP4)	40
Guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1 (GNAI1)	40
hCG1995786 (LOC653147)	40
Histamine N-methyltransferase (HNMT), transcript variant 2	40

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Table S1 *Continued*

Gene name	Comparison dose (mg)
Histidine ammonia-lyase (HAL)	40
Histone cluster 1, H2ac (HIST1H2AC)	40
Homeobox C6 (HOXC6), transcript variant 1	40
Hypothetical protein MGC16169 (MGC16169)	40
Immunoglobulin superfamily containing leucine-rich repeat 2 (ISLR2)	40
Integral membrane protein 2 A (ITM2A)	40
KDEL (Lys-Asp-Glu-Leu) containing 2 (KDEL2)	40
KIAA0101 (KIAA0101), transcript variant 1	40
Killer cell immunoglobulin-like receptor, 2 domains, long cytoplasmic tail, five A (KIR2DL5A)	40
Killer cell lectin-like receptor subfamily C, member 1 (KLRC1), transcript variant 4	40
Kinesin family member 20 A (KIF20A)	40
Kruppel-like factor 4 (gut) (KLF4)	40
Lactamase, beta 2 (LACTB2)	40
Leptin receptor (LEPR), transcript variant 2	40
Leucine-rich repeat transmembrane neuronal 1 (LRRTM1)	40
Leucine-rich repeats and immunoglobulin-like domains 3 (LRIG3)	40
Lipase A, lysosomal acid, cholesterol esterase (LIPA), transcript variant 2	40
Membrane-spanning 4-domains, subfamily A, member 6 A (MS4A6A), transcript variant 2	40
Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase (MTHFD2), nuclear gene encoding mitochondrial protein, transcript variant 2	40
Nibrin (NBN)	40
Nicotinamide N-methyltransferase (NNMT)	40
Nitric oxide synthase trafficker (NOSTRIN), transcript variant 1	40
Nucleobindin 2 (NUCB2)	40
Nucleoside phosphorylase (NP)	40
Osteomodulin (OMD)	40
Peptidylprolyl isomerase C (cyclophilin C) (PPIC)	40
Perforin 1 (pore forming protein) (PRF1), transcript variant 1	40
Peroxiredoxin 3 (PRDX3), nuclear gene encoding mitochondrial protein, transcript variant 1	40
Phosphatidic acid phosphatase type 2B (PPAP2B), transcript variant 2	40
Phospholipase A2, group IIA (platelets, synovial fluid) (PLA2G2A)	40
Phosphoribosyl pyrophosphate synthetase 2 (PRPS2), transcript variant 1	40
Phytanoyl-CoA 2-hydroxylase interacting protein-like (PHYHIPL)	40
Plastin 1 (I isoform) (PLS1)	40
Pleckstrin (PLEK)	40
Prenylcysteine oxidase 1 (PCYOX1)	40
Prion protein (PRNP), transcript variant 2	40
Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 (PLOD2), transcript variant 2	40
Progesterin and adipoQ receptor family member III (PAQR3)	40
Proliferating cell nuclear antigen (PCNA), transcript variant 2	40
Prostaglandin E receptor 2 (subtype EP2), 53 kDa (PTGER2)	40
Proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3), transcript variant 2	40
Protein tyrosine phosphatase-like A domain containing 1 (PTPLAD1)	40
Rac/ Cdc42 guanine nucleotide exchange factor (GEF) 6 (ARHGEF6)	40
Ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) (RAC2)	40
RNA terminal phosphate cyclase domain 1 (RTCD1)	40
Scavenger receptor class A, member 5 (putative) (SCARA5)	40

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Table SI *Continued*

Gene name	Comparison dose (mg)
Scinderin (SCIN)	40
Sema domain, seven thrombospondin repeats (type I and type I-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) five A (SEMA5A)	40
Serglycin (SRGN)	40
Serine palmitoyltransferase, long chain base subunit 3 (SPTLC3)	40
Shisa homolog 3 (<i>Xenopus laevis</i>) (SHISA3)	40
Similar to RIKEN cDNA 2310016C16 (LOC493869)	40
Slit homolog 3 (<i>Drosophila</i>) (SLIT3)	40
Snail homolog 2 (<i>Drosophila</i>) (SNAI2)	40
Sodium channel, nonvoltage-gated I, beta (SCNN1B)	40
Sodium channel, nonvoltage-gated I, gamma (SCNN1G)	40
Solute carrier family 1 (neuronal epithelial high affinity glutamate transporter, system Xag), member 1 (SLC1A1)	40
Solute carrier family 25, member 43 (SLC25A43)	40
Solute carrier family 29 (nucleoside transporters), member 4 (SLC29A4)	40
STE20-like kinase (yeast) (SLK)	40
Sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, <i>S. cerevisiae</i>)-like (SC5DL), transcript variant 1	40
Stomatin (STOM), transcript variant 1	40
Succinate dehydrogenase complex, subunit D, integral membrane protein (SDHD), nuclear gene encoding mitochondrial protein	40
Suppressor of cytokine-signaling 2 (SOCS2)	40
Sushi-repeat-containing protein, X-linked (SRPX)	40
Tandem C2 domains, nuclear (TC2N)	40
TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal) (TEK)	40
Thymidylate synthetase (TYMS)	40
Transcription elongation factor A (SII)-like 1 (TCEAL1), transcript variant 2	40
Transforming growth factor, beta receptor II (70/80 kDa) (TGFBR2), transcript variant 1	40
Transmembrane emp24 protein transport domain containing 5 (TMED5)	40
Transmembrane emp24 protein transport domain containing 7 (TMED7)	40
Transmembrane protein 126A (TMEM126A)	40
Transmembrane protein 45A (TMEM45A)	40
Ubiquitin-like with PHD and ring finger domains 1 (UHRF1), transcript variant 1	40
V-set domain containing T cell activation inhibitor 1 (VTCN1)	40
von Hippel-Lindau binding protein 1 (VBP1)	40
WAP four-disulfide core domain 2 (WFDC2), transcript variant 2	40
Zinc finger, MYM-type 6 (ZMYM6)	40
PREDICTED: claudin 22 (CLDN22)	40
PREDICTED: hypothetical LOC401397 (LOC401397)	40
Chromosome 17 open reading frame 58 (C17orf58), transcript variant 2	40
Chromosome 4 open reading frame 18 (C4orf18), transcript variant 2	40
Dynamin 1-like (DNM1L), transcript variant 1	40
Leptin receptor (LEPR), transcript variant 2	40
Sema domain, seven thrombospondin repeats (type I and type I-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A)	40
Serine palmitoyltransferase, long chain base subunit 3 (SPTLC3)	40
Sodium channel, nonvoltage-gated I, gamma (SCNN1G)	40
TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal) (TEK)	40
Transcription elongation factor A (SII)-like 1 (TCEAL1), transcript variant 2	40