

S3 Table. Top 50 upregulated genes in LM vs DM 24 hours after UVB (non- coding RNAs are indicated with *) (bonferroni-adjusted p-value <0.0001).

Locus name	Accession number	Description
<i>PRKG1</i>	NM_006258	<i>Homo sapiens</i> protein kinase, cGMP-dependent, type I
<i>ALPL</i>	NM_000478	<i>Homo sapiens</i> alkaline phosphatase, liver/bone/kidney
<i>BCAM</i>	NM_001013257	<i>Homo sapiens</i> basal cell adhesion molecule (Lutheran blood group)
<i>DEFB121</i>	NM_001171832	<i>Homo sapiens</i> defensin, beta 121
* <i>HCG9</i>	NR_028032	<i>Homo sapiens</i> HLA complex group 9
<i>C11orf66</i>	NM_145017	<i>Homo sapiens</i> chromosome 11 open reading frame 66
<i>FLJ36848</i>	AK094167	<i>Homo sapiens</i> cDNA FLJ36848 fis, clone ASTRO2013802.
<i>CCDC85A</i>	NM_001080433	<i>Homo sapiens</i> coiled-coil domain containing 85A
<i>NR4A1</i>	NM_002135	<i>Homo sapiens</i> nuclear receptor subfamily 4, group A, member 1
* <i>DKFZP434K028</i>	NR_026882	<i>Homo sapiens</i> hypothetical LOC26070
<i>GREM1</i>	NM_013372	<i>Homo sapiens</i> gremlin 1
<i>ELTD1</i>	NM_022159	<i>Homo sapiens</i> EGF, latrophilin and seven transmembrane domain containing 1
<i>PLCB1</i>	NM_015192	<i>Homo sapiens</i> phospholipase C, beta 1
<i>NPTX2</i>	NM_002523	<i>Homo sapiens</i> neuronal pentraxin II
<i>ASPN</i>	NM_001193335	<i>Homo sapiens</i> asporin
<i>COX8C</i>	NM_182971	<i>Homo sapiens</i> cytochrome c oxidase subunit VIIIc
<i>C12orf42</i>	Source:HGNC Symbol;Acc:24729	chromosome 12 open reading frame 42
<i>AMZ1</i>	NM_133463	<i>Homo sapiens</i> archaelysin family metalloproteinase 1
* <i>LOC441495</i>	NR_033773	<i>Homo sapiens</i> centromere protein V pseudogene
<i>LHX2</i>	NM_004789	<i>Homo sapiens</i> LIM homeobox 2
<i>SLC22A12</i>	NM_144585	<i>Homo sapiens</i> solute carrier family 22 (organic anion/urate transporter), member 12
<i>ARID3C</i>	NM_001017363	<i>Homo sapiens</i> AT rich interactive domain 3C BRIGHT-like
<i>DCDC1</i>	NM_181807	<i>Homo sapiens</i> doublecortin domain containing 1
<i>IL22RA1</i>	NM_021258	<i>Homo sapiens</i> interleukin 22 receptor, alpha 1
* <i>SNAR-B1</i>	BF570972	
<i>SLA</i>	NM_001045556	<i>Homo sapiens</i> Src-like-adaptor
* <i>TPRXL</i>	NR_002223	<i>Homo sapiens</i> tetra-peptide repeat homeobox-like
<i>C9orf152</i>	NM_001012993	<i>Homo sapiens</i> chromosome 9 open reading frame 152
* <i>XLOC_002736</i>		
<i>LTBP1</i>	NM_206943	<i>Homo sapiens</i> latent transforming growth factor beta binding protein 1
<i>CYP2W1</i>	NM_017781	<i>Homo sapiens</i> cytochrome P450, family 2, subfamily W, polypeptide 1
<i>CXADR</i>	NM_001338	<i>Homo sapiens</i> coxsackie virus and adenovirus receptor
<i>LRRTM2</i>	NM_015564	<i>Homo sapiens</i> leucine rich repeat transmembrane neuronal 2
<i>GRM2</i>	NM_000839	<i>Homo sapiens</i> glutamate receptor, metabotropic 2
<i>PCSK1</i>	NM_000439	<i>Homo sapiens</i> proprotein convertase subtilisin/kexin type 1
* <i>NCRNA00242</i>	NR_026781	<i>Homo sapiens</i> non-protein coding RNA 242
<i>ZNF711</i>	NM_021998	<i>Homo sapiens</i> zinc finger protein 711
<i>COX3</i>	NC_012920.1	mitochondrially encoded cytochrome c oxidase III
<i>POTEF</i>	NM_001099771	<i>Homo sapiens</i> POTE ankyrin domain family, member F
<i>RPL22L1</i>	NM_001099645	<i>Homo sapiens</i> ribosomal protein L22-like 1
<i>AGMO</i>	NM_001004320	<i>Homo sapiens</i> alkylglycerol monooxygenase
<i>COL4A2</i>	NM_001846	<i>Homo sapiens</i> collagen, type IV, alpha 2
<i>FOXD1</i>	NM_004472	<i>Homo sapiens</i> forkhead box D1
<i>FUT6</i>	NM_000150	<i>Homo sapiens</i> fucosyltransferase 6 (alpha (1,3) fucosyltransferase)
<i>MAL</i>	NM_002371	<i>Homo sapiens</i> mal, T-cell differentiation protein
<i>SMS</i>	NM_004595	<i>Homo sapiens</i> spermine synthase
<i>HSPA8</i>	NM_153201	<i>Homo sapiens</i> heat shock 70kDa protein 8
<i>PYGL</i>	NM_002863	<i>Homo sapiens</i> phosphorylase, glycogen, liver
<i>ACTN1</i>	NM_001102	<i>Homo sapiens</i> actinin, alpha 1
<i>VGLL3</i>	NM_016206	<i>Homo sapiens</i> vestigial like 3 (<i>Drosophila</i>)