

**Supplemental Material, Table 1. Complete list of 125 genes differentially expressed more than 1.5-fold in Day 1.**

Affymetrix Id	Genesymbol	Gene Name	Fold Changes	
			Normal Group	Storm Group
7951271	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	6.36	4.56
8021635	SERPINB2	serpin peptidase inhibitor, clade B (ovalbumin), member 2	3.92	3.21
7909271	IL24	interleukin 24	3.50	3.43
8072678	HMOX1	heme oxygenase (decycling) 1	3.03	2.23
8131844	GNPMB	glycoprotein (transmembrane) nmb	2.81	2.83
8128123	RRAGD	Ras-related GTP binding D	2.68	2.69
8102800	SLC7A11	solute carrier family 7, (cationic amino acid transporter, y+ system) memb	2.53	1.65
8005475	TRIM16L	tripartite motif-containing 16-like   tripartite motif-containing 16	2.37	1.76
7942123	CCND1	cyclin D1	2.12	1.82
8084630	LOC344887	NmrA-like family domain containing 1 pseudogene	2.08	1.35
8115851	STC2	stanniocalcin 2	2.04	1.87
8092578	ETV5	ets variant 5	2.03	1.65
8064375	SRXN1	sulfiredoxin 1	2.00	1.55
8093104	TM4SF19	transmembrane 4 L six family member 19	1.97	1.90
7964460	DDIT3	DNA-damage-inducible transcript 3	1.94	1.88
7917779	GCLM	glutamate-cysteine ligase, modifier subunit	1.89	1.56
8171435	PIR	pirin (iron-binding nuclear protein)	1.83	1.51
8086517	CDCP1	CUB domain containing protein 1	1.81	1.75
8110569	SQSTM1	sequestosome 1	1.80	1.58
8012953	TRIM16	tripartite motif-containing 16	1.80	1.41
8085393	TMEM40	transmembrane protein 40	1.78	1.69
8030171	FTL	ferritin, light polypeptide	1.77	1.59
7951284	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	1.76	1.47
7995825	MT1F	metallothionein 1F	1.76	1.72
7956867	HMGA2	high mobility group AT-hook 2	1.73	1.50
8002303	NQO1	NAD(P)H dehydrogenase, quinone 1	1.73	1.47
7971461	LCP1	lymphocyte cytosolic protein 1 (L-plastin)	1.72	1.58
8005134	ADORA2B	adenosine A2b receptor	1.71	1.57
8146934	LY96	lymphocyte antigen 96	1.71	1.60
8154381	C9orf150	chromosome 9 open reading frame 150	1.71	1.61
8114787	GNPDA1	glucosamine-6-phosphate deaminase 1	1.69	1.68
7938702	B7H6	B7 homolog 6	1.67	1.76
7902452	AK5	adenylate kinase 5	1.67	1.49
7957298	NAV3	neuron navigator 3	1.64	1.33
8017843	SLC16A6	solute carrier family 16, member 6 (monocarboxylic acid transporter 7)	1.63	1.51
8121510	RPF2	ribosome production factor 2 homolog (S. cerevisiae)	1.63	1.51
7909441	G0S2	G0/G1switch 2	1.60	1.38
8178676	NEU1	sialidase 1 (lysosomal sialidase)	1.60	1.70
7916282	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e recep	1.59	1.36
7995838	MT1X	metallothionein 1X	1.59	1.67
7909494	SYT14	synaptotagmin XIV	1.58	1.69
8059642	SLC16A14	solute carrier family 16, member 14 (monocarboxylic acid transporter 14)	1.58	1.60
8019796	MAFG	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	1.57	1.39
8128565	POPDC3	popeye domain containing 3	1.57	1.37
8022176	LAMA1	laminin, alpha 1	1.56	1.43
8030128	PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	1.55	1.52
8005603	SLC47A1	solute carrier family 47, member 1	1.54	1.40
8064904	FERMT1	fermitin family member 1	1.54	1.47
8084206	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	1.51	1.43
7958174	TXNRD1	thioredoxin reductase 1	1.51	1.26
7915160	RRAGC	Ras-related GTP binding C	1.50	1.51
8013071	FLCN	folliculin	1.49	1.50
8013068	PLD6	phospholipase D family, member 6	1.48	1.54
8167603	CLCN5	chloride channel 5	1.47	1.51

8051583	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	1.45	1.71
8113914	FNIP1	folliculin interacting protein 1	1.45	1.52
7938890	PRMT3	protein arginine methyltransferase 3	1.42	1.51
8021301	RAB27B	RAB27B member RAS oncogene family	1.34	1.74
7962559	SLC38A4	solute carrier family 38, member 4	-1.31	-1.52
8175261	MIR503	microRNA 503	-1.40	-1.59
7987315	ACTC1	actin, alpha, cardiac muscle 1	-1.45	-1.52
7896761	SAMD11	sterile alpha motif domain containing 11	-1.47	-1.53
8009334	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	-1.49	-1.54
8045664	LYPD6B	LY6/PLAUR domain containing 6B	-1.50	-1.51
7986383	IGF1R	insulin-like growth factor 1 receptor	-1.50	-1.42
7933312	ANXA8L1	annexin A8-like 1	-1.50	-1.49
8154563	ACER2	alkaline ceramidase 2	-1.51	-1.32
8139500	TNS3	tensin 3	-1.51	-1.33
8055323	NCKAP5	NCK-associated protein 5	-1.52	-1.43
8089112	FILIP1L	filamin A interacting protein 1-like	-1.52	-1.44
8157802	MIR181B2	microRNA 181b-2	-1.52	-1.29
7988467	FBN1	fibrillin 1	-1.54	-1.46
7954065	GPRC5A	G protein-coupled receptor, family C, group 5, member A	-1.54	-1.46
7961142	OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	-1.54	-1.46
7927732	ARID5B	AT rich interactive domain 5B (MRF1-like)	-1.54	-1.47
8141477	GATS	GATS protein	-1.55	-1.55
7977046	TNFAIP2	tumor necrosis factor, alpha-induced protein 2	-1.55	-1.40
7958262	TCP11L2	t-complex 11 (mouse)-like 2	-1.55	-1.49
7905929	EFNA1	ephrin-A1	-1.56	-1.23
8005043	FLJ34690	uncharacterized protein FLJ34690	-1.56	-1.31
7916584	TACSTD2	tumor-associated calcium signal transducer 2	-1.56	-1.33
8131719	DNAH11	dynein, axonemal, heavy chain 11	-1.58	-1.61
8114900	PPP2R2B	protein phosphatase 2, regulatory subunit B, beta	-1.58	-1.54
7971015	SMAD9	SMAD family member 9	-1.59	-1.60
7902235	LRRC7	leucine rich repeat containing 7	-1.59	-1.23
7983527	SEMA6D	sema domain, transmembrane domain (TM), and cytoplasmic domain, (se	-1.60	-1.30
7913655	ID3	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	-1.60	-1.57
7952577	KIRREL3	kin of IRRE like 3 (Drosophila)	-1.60	-1.60
8165334	CLIC3	chloride intracellular channel 3	-1.60	-1.59
7976012	NRXN3	neurexin 3	-1.61	-1.54
8160452	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	-1.61	-1.46
7915910	PDZK1IP1	PDZK1 interacting protein 1	-1.61	-1.59
8156571	MIR27B	microRNA 27b	-1.62	-1.32
8074780	YPEL1	yippee-like 1	-1.63	-1.65
7932765	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	-1.64	-1.50
8008627	NOG	noggin	-1.66	-1.58
7938758	SAA1	serum amyloid A1	-1.67	-1.22
7926875	BAMBI	BMP and activin membrane-bound inhibitor homolog (Xenopus laevis)	-1.68	-1.48
7951140	LOC100131541	uncharacterized Loc100131541	-1.68	-1.34
7908793	ELF3	E74-like factor 3 (ets domain transcription factor, epithelial-specific )	-1.71	-1.35
8102831	C4orf49	chromosome 4 open reading frame 49	-1.71	-1.52
8115397	C5orf4	chromosome 5 open reading frame 4	-1.72	-1.83
7999909	GPRC5B	G protein-coupled receptor, family C, group 5, member B	-1.76	-1.58
7955613	KRT7	keratin 7	-1.78	-1.81
8103415	FAM198B	family with sequence similarity 198, member B	-1.79	-1.54
8175666	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	-1.80	-1.57
8133540	GATSL1	GATS protein-like 1	-1.80	-1.74
7912520	NPPB	natriuretic peptide B	-1.80	-1.77
8061564	ID1	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	-1.81	-1.76
7953936	C12orf59	chromosome 12 open reading frame 59	-1.81	-1.68
8059279	EPHA4	EPH receptor A4	-1.81	-1.57
8152512	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b	-1.82	-2.09

8131666	ITGB8	integrin, beta 8	-1.83	-1.61
8115099	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	-1.88	-1.71
7945232	ADAMTS15	ADAM metalloproteinase with thrombospondin type 1 motif, 15	-1.89	-1.66
8040103	ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	-1.89	-1.65
7984353	SMAD6	SMAD family member 6	-1.98	-1.87
8092169	TNFSF10	tumor necrosis factor (ligand) superfamily, member 10	-2.03	-1.65
7979241	BMP4	bone morphogenetic protein 4	-2.06	-1.71
7976567	BDKRB1	bradykinin receptor B1	-2.18	-2.17
8101429	PLAC8	placenta-specific 8	-2.18	-1.98
8043244	ATOH8	atonal homolog 8 (Drosophila)	-2.26	-1.90
8139488	IGFBP3	insulin-like growth factor binding protein 3	-2.27	-2.36
8146863	SULF1	sulfatase 1	-2.28	-2.19
7980485	DIO2	deiodinase, iodothyronine, type II	-4.19	-3.61