

**Supplemental Table 1 – Top 10 up- and down- regulated genes following PMA treatment of THP-1 cells.**

<b>Fold Change</b>	<b>Gene Symbol</b>	<b>Description</b>	<b>Direction</b>	<b>p-value (corr)</b>
1235.1	MMP9	Homo sapiens matrix metalloproteinase 9 (MMP9), mRNA [NM_004994] – enzyme involved in breakdown of extracellular matrix	↑	2.26E-13
1160.4	SPOCD1	Homo sapiens SPOC domain containing 1 (SPOCD1), mRNA [NM_144569] – transcription factor	↑	2.50E-10
843.4	SPP1	Homo sapiens secreted phosphoprotein 1 (SPP1), transcript variant 1, mRNA [NM_001040058] – interacts with osteoclasts	↑	4.50E-12
728.2	RGS1	Homo sapiens regulator of G-protein signaling 1 (RGS1), mRNA [NM_002922] - modulates G-protein signalling	↑	1.25E-10
641.1	A2M	Homo sapiens alpha-2-macroglobulin (A2M), mRNA [NM_000014] – cytokine transporter	↑	6.04E-16
563.0	SLCO2B1	Homo sapiens solute carrier organic anion transporter family, member 2B1 (SLCO2B1), transcript variant 1, mRNA [NM_007256] – involved in sodium independent transport of organic anions.	↑	1.29E-14
561.1	CD163	Homo sapiens CD163 molecule (CD163), transcript variant 1, mRNA [NM_004244]	↑	7.62E-09
416.4	HAVCR2	Homo sapiens hepatitis A virus cellular receptor 2 (HAVCR2), mRNA [NM_032782] – involved in macrophage activation	↑	7.39E-13

359.0	ADAMDEC1	Homo sapiens ADAM-like, decysin 1	↑	(ADAMDEC1), transcript variant 2, mRNA [NM_001145271] – may be involved in dendritic cell function	6.89E-13
319.6	SLC7A8	Homo sapiens solute carrier family 7 (amino acid transporter light chain, L system), member 8 (SLC7A8), transcript variant 2, mRNA [NM_182728] - unknown	↑		5.80E-11
75.3	MT1M	Homo sapiens metallothionein 1M (MT1M), mRNA [NM_176870] – binds heavy metals	↓		4.07E-06
69.9	SEMG1	Homo sapiens semenogelin I (SEMG1), mRNA [NM_003007] – found in abundance in semen forming a gel matrix	↓		1.02E-08
68.3	AKR1C4	Homo sapiens aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4) (AKR1C4), mRNA [NM_001818] – enzyme reducing aldehydes and ketones to alcohols	↓		5.17E-08
52.8	WNT7B	Homo sapiens wingless-type MMTV integration site family, member 7B (WNT7B), mRNA [NM_058238] – involved in embryogenesis	↓		2.04E-10
47.3	MS4A3	Homo sapiens membrane-spanning 4-domains, subfamily A, member 3 (hematopoietic cell-specific) (MS4A3), transcript variant 1, mRNA [NM_006138] – involved in cell cycle transition	↓		2.67E-08
42.9	PPP1R27	Homo sapiens protein phosphatase 1,	↓		2.57E-05

		regulatory subunit 27 (PPP1R27), mRNA [NM_001007533] – inhibits protein phosphatase 1	
39.6	NACAP1	Homo sapiens nascent-polypeptide-associated complex alpha polypeptide pseudogene 1 (NACAP1), non-coding RNA [NR_002182] – unknown function	↓    8.56E-14
39.6	PPP1R27	Homo sapiens protein phosphatase 1, regulatory subunit 27 (PPP1R27), mRNA [NM_001007533] – inhibits protein phosphatase 1	↓    4.81E-09
37.0	SET	Homo sapiens SET nuclear oncogene (SET), transcript variant 2, mRNA [NM_003011] – inhibits nucleosome acetylation	↓   4.88E-13
33.9		AY904369 cell cycle-related kinase cardiac splice variant (Mus musculus) (exp=-1; wgp=0; cg=0), partial (12%) [THC2752005]	↓   4.05E-06