

		Protein names	Gene names	Fold Changes
Exocytosis		Plasminogen	PLG	1.53
		Septin-5	SEPT5	1.41
		Fibronectin	FN1	1.34
		Sialidase-1	NEU1	1.34
		Coagulation factor V	F5	1.34
		Ras-related protein Rab-8B	RAB8B	1.24
		SPARC	SPARC	1.23
		Arylsulfatase B	ARSB	0.83
		Acid ceramidase	ASAHI	0.82
		Alpha-galactosidase A	GLA	0.82
		Myosin-10	MYH10	0.81
		Cathepsin D	CTSD	0.79
		Serpine B6	SERPINEB6	0.79
		Cathepsin B	CTSB	0.78
		Lysosomal alpha-glucosidase	GAA	0.78
		Ras-related protein Rap-1A	RAP1A	0.76
		Lysosome-associated membrane glycoprotein 2	LAMP2	0.74
		Leukocyte elastase inhibitor	SERPINEB1	0.73
		Peroxiredoxin-4	PRDX4	0.67
		Ganglioside GM2 activator	GM2A	0.58
	NPC intracellular cholesterol transporter 2	NPC2	0.51	
Regulation of proteolysis		Complement component C8 beta chain	C8B	1.64
		Complement component C9	C9	1.62
		Pregnancy zone protein	PZP	1.59
		Complement component C7	C7	1.58
		Prothrombin	F2	1.53
		Inter-alpha-trypsin inhibitor heavy chain H2	ITI2	1.52
		Regucalcin	RGN	1.50
		Heparin cofactor 2	SERPINE1	1.49
		Vitronectin	VTN	1.47
		Carboxypeptidase N catalytic chain	CPN1	1.42
		Fibronectin	FN1	1.34
		Collagen alpha-3	COL6A3	1.28
		Sortilin-related receptor	SORL1	1.27
		Regulator complex protein LAMTOR5	LAMTOR5	1.25
		Small ubiquitin-related modifier 2	SUMO2	0.81
		Serpine B6	SERPINEB6	0.79
		Cathepsin B	CTSB	0.78
	Leukocyte elastase inhibitor	SERPINEB1	0.73	
Regulation of complement activation		Complement component C8 beta chain	C8B	1.64
		Complement component C9	C9	1.62
		Complement component C7	C7	1.58
		Prothrombin	F2	1.53
		Vitronectin	VTN	1.47
		Carboxypeptidase N catalytic chain	CPN1	1.42
		Sialidase-1	NEU1	1.34
Neutrophil degranulation		Arylsulfatase B	ARSB	0.83
		Acid ceramidase	ASAHI	0.82
		Alpha-galactosidase A	GLA	0.82
		Cathepsin D	CTSD	0.79
		Serpine B6	SERPINEB6	0.79
		Cathepsin B	CTSB	0.78
		Lysosomal alpha-glucosidase	GAA	0.78
		Ras-related protein Rap-1A	RAP1A	0.76
		Lysosome-associated membrane glycoprotein 2	LAMP2	0.74
		Leukocyte elastase inhibitor	SERPINEB1	0.73
		Peroxiredoxin-4	PRDX4	0.67
	Ganglioside GM2 activator	GM2A	0.58	
	NPC intracellular cholesterol transporter 2	NPC2	0.51	
Lysosome		Sialidase-1	NEU1	1.34
		Clathrin heavy chain 2	CLTCL1	1.31
		Arylsulfatase B	ARSB	0.83
		Acid ceramidase	ASAHI	0.82
		Alpha-galactosidase A	GLA	0.82
		Cathepsin D	CTSD	0.79
		Cathepsin B	CTSB	0.78
		Lysosomal alpha-glucosidase	GAA	0.78
		Lysosome-associated membrane glycoprotein 2	LAMP2	0.74
		Ganglioside GM2 activator	GM2A	0.58
		NPC intracellular cholesterol transporter 2	NPC2	0.51
Complement and coagulation cascades		Complement component C8 beta chain	C8B	1.64
		Complement component C9	C9	1.62
		Complement component C7	C7	1.58
		Prothrombin	F2	1.53
		Plasminogen	PLG	1.53
		Heparin cofactor 2	SERPINE1	1.49
		Vitronectin	VTN	1.47
		Coagulation factor V	F5	1.34
		Prothrombin	F2	1.53
		Plasminogen	PLG	1.53
IGF transport and uptake by IGF-BPs		Alpha-fetoprotein	AFP	1.52
		Inter-alpha-trypsin inhibitor heavy chain H2	ITI2	1.52
		Heparin cofactor 2	SERPINE1	1.49
		Apolipoprotein B-100	APOB	1.46
		Coagulation factor V	F5	1.34
		Prothrombin	F2	1.53
ECM proteoglycans		Cartilage oligomeric matrix protein	COMP	1.53
		Fibromodulin	FMOD	1.52
		Vitronectin	VTN	1.47
		Collagen alpha-3	COL6A3	1.28
	SPARC	SPARC	1.23	
Amyloid fiber formation		Transforming growth factor-beta-induced protein 1q-h3	TGFB1	1.40
		Histone H2B type 1-K	HIST1H2BK	1.33
		Histone H2AX	H2AFX	1.30
		Histone H2A.Z	H2AFZ	1.28
		Sortilin-related receptor	SORL1	1.27
Oxidative Stress Induced Senescence		Histone H2B type 1-K	HIST1H2BK	1.33
		E3 ubiquitin-protein ligase RING1	RING1	1.30
		Histone H2AX	H2AFX	1.30
		Histone H2A.Z	H2AFZ	1.28
		Thioredoxin	TXN	0.62
Collagen degradation		Collagen alpha-1	COL10A1	1.29
		Collagen alpha-3	COL6A3	1.28
		Cathepsin D	CTSD	0.79
		Cathepsin B	CTSB	0.78
Signaling by PDGF		Thrombospondin-4	THBS4	1.43
		Plasminogen	PLG	1.53
		GTPase KRas	KRAS	0.82
		Collagen alpha-3	COL6A3	1.28
Innate Immune System		Complement component C8 beta chain	C8B	1.64
		Complement component C9	C9	1.62
		Complement component C7	C7	1.58
		Prothrombin	F2	1.53
		Vitronectin	VTN	1.47
		Apolipoprotein B-100	APOB	1.46
		Carboxypeptidase N catalytic chain	CPN1	1.42
		Sialidase-1	NEU1	1.34
		PDZ domain-containing protein 11	PDZD11	1.20
		Arylsulfatase B	ARSB	0.83
		GTPase KRas	KRAS	0.82
		Acid ceramidase	ASAHI	0.82
		Alpha-galactosidase A	GLA	0.82
		Cathepsin D	CTSD	0.79
		Serpine B6	SERPINEB6	0.79
		Cathepsin B	CTSB	0.78
		Lysosomal alpha-glucosidase	GAA	0.78
	Ras-related protein Rap-1A	RAP1A	0.76	
	Lysosome-associated membrane glycoprotein 2	LAMP2	0.74	
	Leukocyte elastase inhibitor	SERPINEB1	0.73	
	Copper transport protein ATOX1	ATOX1	0.72	
	Peroxiredoxin-4	PRDX4	0.67	

T1 (8µm_6h) vs. Ctrl

		Thioredoxin	TXN	0.62
		Ganglioside GM2 activator	GM2A	0.58
		NPC intracellular cholesterol transporter 2	NPC2	0.51
	neutrophil mediated immunity	Prothrombin	F2	1.53
		Sialidase-1	NEU1	1.34
		Arylsulfatase B	ARSB	0.83
		Acid ceramidase	ASAH1	0.82
		Alpha-galactosidase A	GLA	0.82
		Cathepsin D	CTSD	0.79
		Serpin B6	SERPINB6	0.79
		Cathepsin B	CTSB	0.78
		Lysosomal alpha-glucosidase	GAA	0.78
		Ras-related protein Rap-1A	RAP1A	0.76
		Lysosome-associated membrane glycoprotein 2	LAMP2	0.74
		Leukocyte elastase inhibitor	SERPINB1	0.73
		Peroxiredoxin-4	PRDX4	0.67
		Ganglioside GM2 activator	GM2A	0.58
		NPC intracellular cholesterol transporter 2	NPC2	0.51
T2 (8um_24h) vs. Ctrl	Exocytosis	Fatty acid-binding protein 5	FABP5	1.22
		Superoxide dismutase [Cu-Zn]	SOD1	0.82
		Lysosomal protective protein	CTSA	0.77
		Ganglioside GM2 activator	GM2A	0.77
		Thrombospondin-1	THBS1	0.77
	Alpha-2-HS-glycoprotein	AHSG	0.69	
	Lactotransferrin	LTF	0.65	
	Regulation of proteolysis	Tumor necrosis factor alpha-induced protein 8	TNFAIP8	2.22
		Transcription initiation factor TFIIID subunit 1	TAF1	1.32
		Antithrombin-III	SERPINC1	0.81
		Inter-alpha-trypsin inhibitor heavy chain H2	ITIH2	0.79
		Thrombospondin-1	THBS1	0.77
	Alpha-2-HS-glycoprotein	AHSG	0.69	
	Lactotransferrin	LTF	0.65	
	Complement factor I	CFI	0.65	
E3 ubiquitin-protein ligase RBX1	RBX1	0.59		
Immune system process	Fatty acid-binding protein 5	FABP5	1.22	
	Superoxide dismutase [Cu-Zn]	SOD1	0.82	
	Collagen alpha-2	COL1A2	0.81	
	Antithrombin-III	SERPINC1	0.81	
	Lysosomal protective protein	CTSA	0.77	
	Ganglioside GM2 activator	GM2A	0.77	
	Thrombospondin-1	THBS1	0.77	
	Acidic mammalian chitinase	CHIA	0.74	
	Collagen alpha-1	COL1A1	0.72	
	Alpha-2-HS-glycoprotein	AHSG	0.69	
Lactotransferrin	LTF	0.65		
Complement factor I	CFI	0.65		
ECM-receptor interaction	Collagen alpha-2	COL1A2	0.81	
	Thrombospondin-1	THBS1	0.77	
	Collagen alpha-1	COL1A1	0.72	
Immune System	Fatty acid-binding protein 5	FABP5	1.22	
	Superoxide dismutase [Cu-Zn]	SOD1	0.82	
	Collagen alpha-2	COL1A2	0.81	
	Lysosomal protective protein	CTSA	0.77	
	Ganglioside GM2 activator	GM2A	0.77	
	Collagen alpha-1	COL1A1	0.72	
	Alpha-2-HS-glycoprotein	AHSG	0.69	
Lactotransferrin	LTF	0.65		
Complement factor I	CFI	0.65		
E3 ubiquitin-protein ligase RBX1	RBX1	0.59		
Collagen degradation	Collagen alpha-2	COL1A2	0.81	
	Collagen alpha-1	COL1A1	0.72	
Regulation of IGF transport and uptake by IGFbps	Alpha-2-HS-glycoprotein	AHSG	0.69	
	Inter-alpha-trypsin inhibitor heavy chain H2	ITIH2	0.79	
	Antithrombin-III	SERPINC1	0.81	
Innate Immune System	Fatty acid-binding protein 5	FABP5	1.22	
	Lysosomal protective protein	CTSA	0.77	
	Ganglioside GM2 activator	GM2A	0.77	
	Alpha-2-HS-glycoprotein	AHSG	0.69	
	Lactotransferrin	LTF	0.65	
Complement factor I	CFI	0.65		
ECM proteoglycans	Collagen alpha-2	COL1A2	0.81	
	Collagen alpha-1	COL1A1	0.72	