

**Supplemental Table 5. Intersection with Autophagy and Lysosome Associated Gene Products.**

Probe	Symbol	Description	P-value	Fold-Change
<b><u>Autophagy Associated Genes</u></b>				
ADXEC.686.C6_s_at	CTSB	cathepsin B, transcript variant 4	0.01	3.51
ADXEC.686.C3_s_at	CTSB	cathepsin B, transcript variant 4	0.01	2.23
ADXECNTDJ.8315_s_at	CTSB	cathepsin B, transcript variant 3	0.004	2.12
ADXEC.8712.C1-a_s_at	CXCR4	chemokine (C-X-C motif) receptor 4	0.013	2.53
ADXEC.8712.C1_at	CXCR4	chemokine (C-X-C motif) receptor 4	0.02	1.60
ADXECEMUTR.7992_at	CISD2	CDGSH iron sulfur domain 2	0.04	2.50
ADXEC.1987.C1_at	C12orf44	ATG101; chromosome 12 open reading frame 44	0.05	1.96
ADXECADEA.21291_at	DAPK1	death-associated protein kinase 1	0.03	1.77
ADXECEMUTR.419_at	CLTC	Clathrin heavy chain (Hc)	0.009	1.77
ADXEC.3547.C2-a_s_at	PARP1	poly (ADP-ribose) polymerase 1	0.02	1.73
ADXEC.15023.C1_at	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	0.05	1.71
ADXEC.21098.C1_at	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein)	0.02	1.68
ADXEC.23021.C2_at	PACRGL	PARK2 co-regulated-like	0.014	1.67
ADXECADEA.25947_s_at	ATG12	ATG12 autophagy related 12 homolog (S. cerevisiae)	0.01	1.66
ADXEC.23157.C1_s_at	GNAI3	G protein alpha inhibiting activity polypeptide 3	0.03	1.60
ADXEC.4544.C1_at	RGS19	regulator of G-protein signaling 19	0.04	1.60
ADXEC.2435.C10_s_at	FKBP1A	FK506 binding protein 1A 12kDa	0.04	1.56
ADXEC.29514.C1_at	MAPK1	mitogen-activated protein kinase 1	0.03	1.52
ADXEC.2311.C2-a_s_at	MAP1LC3B	microtubule-associated protein1 light-chain3 beta; LC3B; ATG8F	0.05	1.50
ADXEC.3966.C2_x_at	GAA	glucosidase alpha	0.05	1.50
ADXEC.3894.C1_at	SH3GLB1	SH3-domain GRB2-like endophilin B1	0.02	1.32
ADXEC.3576.C1_x_at	LAMP2	lysosomal-associated membrane protein 2 (LAMP2)	0.01	1.25
<b><u>Lysosomal Proteases</u></b>				
ADXEC.686.C6_s_at	CTSB	cathepsin B, transcript variant 4	0.01	3.51
ADXEC.686.C3_s_at	CTSB	cathepsin B, transcript variant 4	0.01	2.23
ADXECNTDJ.8315_s_at	CTSB	cathepsin B, transcript variant 3	0.004	2.12
ADXECNTDJ.2873_s_at	CTSZ	cathepsin Z	0.04	2.14
ADXEC.3377.C1_s_at	CTSS	cathepsin S	0.01	1.72
<b><u>Lysosome-Associated Proteins</u></b>				
ADXEC.13002.C1_s_at	VPS26B	vacuolar protein sorting 26 homolog B (S. pombe)	0.003	3.23
ADXEC.22845.C1_s_at	ATP6AP1L	ATPase H transporting lysosomal accessory protein 1-like	0.03	2.06
ADXEC.6107.C3-a_s_at	ATP6V0D1	ATPase H transporting lysosomal 38kDa V0 subunit	0.05	2.03
ADXEC.9707.C1_at	LAPTM5	lysosomal protein transmembrane 5	0.03	1.78
ADXECADEA.19246_s_at	RAB7A	RAB7A member RAS oncogene family	0.05	1.75
ADXECADEA.11579_x_at	SMPD1	sphingomyelin phosphodiesterase 1 acid lysosomal	0.02	2.02
ADXEC.4627.C3_s_at	SLC15A3	solute carrier family 15 member 3	0.03	1.74
ADXECNTDJ.546_s_at	SLC15A3	solute carrier family 15 member 3	0.03	1.66
ADXEC.22227.C1_s_at	FNBP1	Formin binding protein 1	0.01	1.66

ADXEC.25133.C1_at	VPS13A	vacuolar protein sorting 13 homolog A ( <i>S. cerevisiae</i> )	0.04	1.63	
ADXOCEC.1467.C1_x_at	TRIP10	thyroid hormone receptor interactor 10		0.05	1.62
ADXEC.4957.C1_s_at	GM2A	GM2 ganglioside activator		0.02	1.58
ADXEC.8005.C1_at	GM2A	GM2 ganglioside activator		0.03	1.46
ADXEC.28432.C1_s_at	HPS1	Hermansky-Pudlak syndrome 1		0.03	2.69
ADXEC.342.C1_at	DNASE2	deoxyribonuclease II lysosomal		0.02	2.40
ADXEC.30575.C1_x_at	PCYOX1	prenylcysteine oxidase 1		0.02	2.41
ADXEC.23032.C1_at	CD68	CD68 molecule		0.04	2.21
ADXEC.17916.C1_at	RAB14	RAB14 member RAS oncogene family		0.04	2.11
ADXECAD.28808_s_at	WDR48	WD repeat domain 48		0.04	2.00
ADXEC.522.C5_at	HLA-DRB1	HLA class II DR-beta 1		0.03	1.80
ADXEC.9777.C1_at	VAMP7	vesicle-associated membrane protein 7		0.01	1.76
ADXECAD.1571_s_at	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1		0.04	1.52
ADXEC.3966.C2_x_at	GAA	glucosidase alpha		0.05	1.50
ADXEC.3966.C1_s_at	GAA	glucosidase alpha		0.02	1.29
ADXPCEC.3315.C3_s_at	HEXA	hexosaminidase A (alpha polypeptide)		0.04	1.45
ADXECAD.1876_at	ARL8A	ADP-ribosylation factor-like 8A		0.01	1.42
ADXECAD.1588_x_at	LITAF	lipopolysaccharide-induced TNF factor		0.01	1.39
ADXEC.28670.C1_s_at	NSUN3	NOP2/Sun domain family member 3		0.04	1.36
ADXEC.3576.C1_x_at	LAMP2	lysosomal-associated membrane protein 2		0.01	1.25

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