

S3 Table. Genes upregulated by GlcN

Gene symbols (Fold change)				
INHBE (8.14)	C12orf39 (7.94)	BEST1 (7.26)	SLC6A9 (5.27)	DDIT3 (4.38)
IL20RB (4.08)	WARS (3.95)	ALDH1L2 (3.91)	SLC7A11 (3.64)	ASNS (3.48)
SLFN5 (3.09)	NUPR1 (3.00)	CHAC1 (2.99)	TRIB3 (2.93)	HERPUD1 (2.93)
GPR1 (2.84)	PCK2 (2.74)	SDR42E1 (2.71)	ERO1LB (2.70)	ULBP1 (2.70)
CEBPB (2.64)	PHGDH (2.57)	PSAT1 (2.57)	ZNF619 (2.56)	FAM129A (2.52)
NSAP11 (2.48)	AARS (2.48)	CCPG1 (2.47)	DNAJC3 (2.40)	SLC10A5 (2.36)
SESN2 (2.35)	GABRG1 (2.34)	DDR2 (2.22)	WIPI1 (2.21)	SLC3A2 (2.20)
C17orf75 (2.16)	CTH (2.15)	SDF2L1 (2.15)	HYOU1 (2.14)	SLC1A4 (2.14)
MOCOS (2,14)	DDIT4 (2.13)	CEBPG (2.11)	PDIA4 (2.11)	TUBGCP3 (2.07)
TSEN15 (2.06)	HDDC3 (2.06)	SLC35B1 (2.06)	CBS (2.05)	SLC16A14 (2.05)
MTHFD2 (2.05)	HCG8 (2.03)	GOLPH3L (2.01)	GDF15 (2.00)	PDE5A (2.00)
KLHL5 (1.99)	TMEM50B (1.99)	SLC16A12 (1.97)	C5orf28 (1.97)	GTPBP2 (1.94)
CDK2AP2 (1.92)	TCP11L2 (1.92)	GARS (1.92)	KRCC1 (1.92)	IFT46 (1.92)
THG1L (1.90)	SLC33A1 (1.90)	PXK (1.90)	ZNF204P (1.89)	SLC7A5 (1.89)
DCP1B (1.87)	DNAJB9 (1.86)	SEL1L (1.86)	TUBE1 (1.85)	SGK3 (1.85)
C11orf83 (1.84)	HSPA5 (1.83)	PGBD1 (1.83)	CEP120 (1.82)	SLC35A1 (1.82)
XPOT (1.81)	ZNF187 (1.81)	FCRLA (1.80)	C9orf150 (1.80)	ZC3H6 (1.80)
CARS (1.78)	MANF (1.77)	IL1RL1 (1.77)	ZNF22 (1.77)	SEC11C (1.77)
RNF125 (1.76)	ZNF70 (1.76)	SLC30A4 (1.75)	RHOB (1.74)	DUSP12 (1.74)
CRELD1 (1.74)	SARS (1.74)	DPY19L4 (1.73)	UHRF1BP1 (1.73)	YARS (1.73)
LMO4 (1.73)	LARP6 (1.72)	ICT1 (1.72)	TTC17 (1.72)	GPT2 (1.72)
DCLRE1A (1.72)	NUCB2 (1.71)	VEGFA (1.71)	MARS (1.70)	UBE2D4 (1.70)
CYLD (1.70)	C10orf57 (1.70)	IBTK (1.70)	LPHN3 (1.69)	COQ5 (1.69)
IFRD1 (1.69)	C6orf48 (1.69)	TRPM6 (1.67)	LOC100129534 (1.67)	CSGALNACT2 (1.67)
ALOX5AP (1.66)	TSC22D3 (1.66)	DUSP16 (1.65)	PRPSAP1 (1.65)	LOC728819 (1.64)
OR2A4 (1.64)	MDGA2 (1.63)	HEATR5A (1.63)	ARHGEF2 (1.63)	NEK3 (1.63)
MAP1B (1.63)	AAAS (1.63)	ASS1 (1.63)	NEK4 (1.62)	AP1S3 (1.62)
C9orf91 (1.62)	XBP1 (1.62)	NCRNA00171 (1.61)	ZNF311 (1.61)	FBXO8 (1.61)
TRAF6 (1.61)	JMY (1.60)	TRIM16L (1.60)	MKMK2 (1.60)	ZFP62 (1.59)
JDP2 (1.59)	ALPK1 (1.59)	DNAJC16 (1.59)	RAB39B (1.59)	PRKAB2 (1.59)
OR2A9P (1.58)	DPH5 (1.58)	TES (1.58)	CLGN (1.58)	ANKRD46 (1.58)
PPP1R15A (1.58)	PAN2 (1.57)	HIST2H2AB (1.57)	SHMT2 (1.57)	ULK2 (1.57)
POLR3B (1.56)	FKBP9L (1.56)	ATPAF1 (1.55)	PRKCQ (1.55)	SNAPIN (1.55)
WDR25 (1.55)	ZNF445 (1.55)	CSF2RA (1.54)	KLHL24 (1.54)	TMEM136 (1.54)
ZKSCAN3 (1.54)	LOC554249 (1.54)	ANKRD5 (1.54)	GOT1 (1.54)	HSPC157 (1.53)
SRD5A3 (1.53)	EDEM1 (1.52)	PPAPDC1B (1.52)	HEY1 (1.52)	ZNF581 (1.52)
TRAM1 (1.52)	B4GALT7 (1.52)	ACTA2 (1.51)	KIAA1529 (1.51)	RHBDD1 (1.51)
RAD1 (1.51)	NCOA7 (1.51)	ATPBD4 (1.51)	BCAT1 (1.50)	TMEM231 (1.50)
SCN9A (1.50)	CCDC101 (1.50)	C17orf60 (1.50)	DNAJB11 (1.50)	

GlcN-upregulated 194 genes (≥ 1.5 -fold, $p < 0.05$) are listed. Fold change was calculated as the ratio of GlcN-treated signal to nontreated signal.