

Gene Expression in MCF10A cells through Differentiation on Transwells

Organism(s): *Homo sapiens*

Array Design(s): Affymetrix GeneChip Human Genome U133 Plus 2.0 [HG-U133_Plus_2]

Reference(s): 19005683

Gene query ?

all genes

☐ Exact match

up

down

☒ up/down

Contrast ?

(any contrasts)

☒ Specific ?

Adjusted p-value cutoff ?

0.05

Log₂ fold change cutoff ?

1.0

Search

Reset

Search with gene attributes, e.g. gene symbols or annotations

Click to see exact log₂ fold-changes in heatmap

Choose an adjusted p-value cutoff

Choose a log₂ fold-change cutoff

See more info and download data using the buttons

Ensembl Genome Browser

Open

Showing 50 of 4186 genes found:

Display log₂-fold change

Gene	Design Element	mid transepithel...	low transepithel...	MA	GSE	GSE	GSE
ANGPTL4	223333_s_at						
ANGPTL4	221009_s_at						
MMP13	205959_at						
MALAT1	224568_x_at						
ZFP36L2	201367_s_at						
WDR1	210935_s_at						
SYNPO2	227662_at						
IL11	206924_at						
RERG	227758_at						
SH3GLB2	218813_s_at						
B3GALT5	206947_at						
IL33	209821_at						
PPARGC1B	232181_at						
SLC1A1	21366						
CD36	20955						
CTD-2003C8.2	15598						
VHL	15592						
CLIC2	21341						
SYNPO2	22589						
IDUA	20505						
HAS2	206432_at						
CCDC18	222362_at						
PTPRB	230250_at						
MTHFD2L	220346_at						

Adjusted p-value: 0.02, t-statistic: -3.47, Log₂-fold change: -1.68

SLC1A1 (EAAC1 EAAT3 ENSG00000106688)
Gene ontology terms: D-aspartate import L-glutamate import L-glutamate transmembrane transporter activity L-glutamate transport dicarboxylic acid transport glutamate binding glutamate:sodium symporter activity integral to plasma membrane ion transport membrane plasma membrane protein binding protein homooligomerization sodium:dicarboxylate symporter activity synaptic transmission transmembrane transport
Interpro terms: Sodium:dicarboxylate symporter

Greater colour intensity means larger absolute log₂ fold-change

Download all statistics

Click to see MA plot and gene set overlap summaries

low transepithelial electrical resistance' vs 'monolayer control'

Top 10 GO terms enriched in 'Pseudomonas syringae pv tomat DC3000(pvRip2)' vs 'none' in 'gh3.5-1D heterozygous mutant' (Fisher-exact, FDR < 0.1)

Top 10 Reactome pathways enriched in 'lactic acidosis and hypoxia' vs 'none' (Fisher-exact, FDR < 0.1)

Top 10 InterPro domains enriched in 'Pseudomonas syringae pv tomat DC3000(pvRip2)' vs 'none' in 'gh3.5-1D heterozygous mutant' (Fisher-exact, FDR < 0.1)

Coloured boxes mean genes differentially expressed. Mouseover a box to see statistics for a gene.

Mouseover a gene to see GO and Interpro terms. Click a gene for more detailed information.