A
Lum-A
negative regulation of hydrolase activity
GO:0051346
negative regulation of endopeptidase activity
GO:0010951
negative regulation of peptidase activity
GO:0010466
negative regulation of proteolysis
GO:0045861
negative regulation of catalytic activity
GO:0043086
regulation of endopeptidase activity
GO:0052548
regulation of peptidase activity
GO:0052547
negative regulation of molecular function
GO:0044092
-log10(p_value)
B
Lum-B
response to endoplasmic reticulum stress
GO:0034976
retrograde protein transport, ER to cytosol
GO:0030970
endoplasmic reticulum to cytosol transport
GO:1903513
regulation of response to endoplasmic reticulum stress
GO:1905897
protein exit from endoplasmic reticulum
GO:0032527
ERAD pathway
GO:0036503
ubiquitin-dependent ERAD pathway
GO:0030433
protein localization to endoplasmic reticulum
GO:0070972
-log10(p_value)
C
Lum-C
response to endoplasmic reticulum stress
GO:0034976
retrograde protein transport, ER to cytosol
GO:0030970
endoplasmic reticulum to cytosol transport
GO:1903513
response to topologically incorrect protein
GO:0035966
ERAD pathway
GO:0036503
cell redox homeostasis
GO:0045454
response to unfolded protein
GO:0006986
ubiquitin-dependent ERAD pathway
GO:0030433
-log10(p_value)
D
Lum-D
regulation of localization
GO:0032879
epithelium development
GO:0060429
tissue development
GO:0009888
epithelial cell differentiation
GO:0030855
developmental process
GO:0032502
regulation of molecular function
GO:0065009
regulation of transport
GO:0051049
cell death
GO:0008219
-log10(p_value)
E
Lum-E
epithelium development
GO:0060429
tissue development
GO:0009888
developmental process
GO:0032502
cellular developmental process
GO:0048869
cell adhesion
GO:0007155
cell differentiation
GO:0030154
biological adhesion
GO:0022610
regulation of biological process
GO:0050789
-log10(p_value)
F
Lum-F
skeletal muscle cell differentiation
GO:0035914
-log10(p_value)
G
Basal
system development
GO:0048731
anatomical structure development
GO:0048856
developmental process
GO:0032502
multicellular organism development
GO:0007275
animal organ development
GO:0048513
anatomical structure morphogenesis
GO:0009653
tissue development
GO:0009888
negative regulation of biological process
GO:0048519
-log10(p_value)
H
Upregulated in Lum-D
versus Lum-A, Lum-B & Lum-C
regulation of cell population proliferation
GO:0042127
positive regulation of biological process
GO:0048518
tissue development
GO:0009888
response to oxygen-containing compound
GO:1901700
cell population proliferation
GO:0008283
positive regulation of cellular process
GO:0048522
cellular response to chemical stimulus
GO:0070887
response to organic substance
GO:0010033
regulation of localization
GO:0032879
developmental process
GO:0032502
epithelium development
GO:0060429
anatomical structure development
GO:0048856
system development
GO:0048731
localization of cell
GO:0051674
cell motility
GO:0048870
-log10(p_value)
I
Upregulated in Lum-A, Lum-B & Lum-C
versus Lum-D
response to endoplasmic reticulum stress
GO:0034976
ERAD pathway
GO:0036503
response to topologically incorrect protein
GO:0035966
endoplasmic reticulum unfolded protein response
GO:0030968
cellular response to topologically incorrect protein
GO:0035967
ubiquitin-dependent ERAD pathway
GO:0030433
response to unfolded protein
GO:0006986
retrograde protein transport, ER to cytosol
GO:0030970
endoplasmic reticulum to cytosol transport
GO:1903513
cellular response to unfolded protein
GO:0034620
protein exit from endoplasmic reticulum
GO:0032527
regulation of response to endoplasmic reticulum stress
GO:1905897
stress response to metal ion
GO:0097501
cellular response to zinc ion
GO:0071294
proteolysis
GO:0006508
-log10(p_value)
J
Lum-D
Krt4
Tacstd2/Trop2
Runx1
Psca
Tspan1
Ar
Expression level
AP
DLP
VP
Castrated
Intact