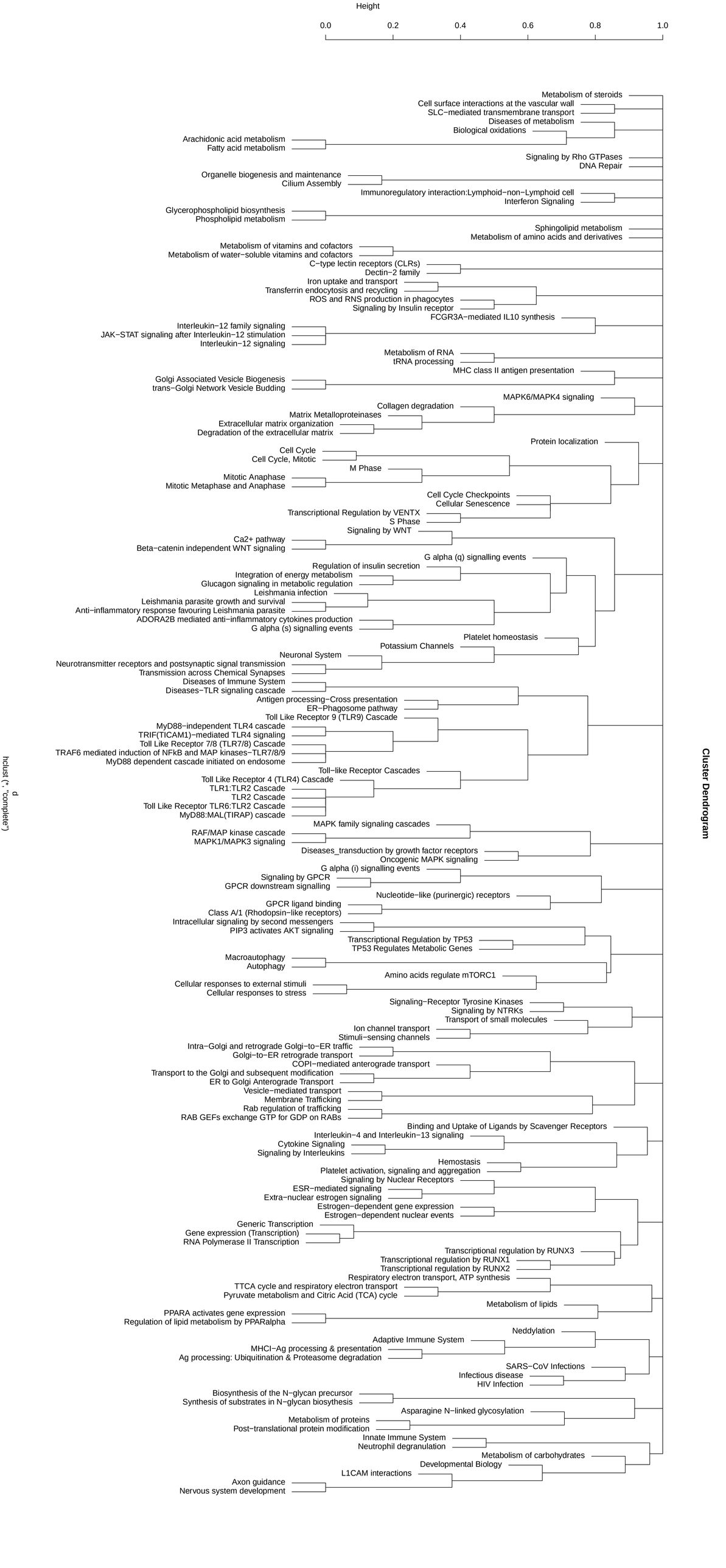
Height
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Metabolism of steroids
Cell surface interactions at the vascular wall
SLC−mediated transmembrane transport
Diseases of metabolism
Biological oxidations
Arachidonic acid metabolism
Fatty acid metabolism
Signaling by Rho GTPases
DNA Repair
Organelle biogenesis and maintenance
Cilium Assembly
Immunoregulatory interaction:Lymphoid−non−Lymphoid cell
Interferon Signaling
Glycerophospholipid biosynthesis
Phospholipid metabolism
Sphingolipid metabolism
Metabolism of amino acids and derivatives
Metabolism of vitamins and cofactors
Metabolism of water−soluble vitamins and cofactors
C−type lectin receptors (CLRs)
Dectin−2 family
Iron uptake and transport
Transferrin endocytosis and recycling
ROS and RNS production in phagocytes
Signaling by Insulin receptor
FCGR3A−mediated IL10 synthesis
Interleukin−12 family signaling
JAK−STAT signaling after Interleukin−12 stimulation
Interleukin−12 signaling
Metabolism of RNA
tRNA processing
MHC class II antigen presentation
Golgi Associated Vesicle Biogenesis
trans−Golgi Network Vesicle Budding
MAPK6/MAPK4 signaling
Collagen degradation
Matrix Metalloproteinases
Extracellular matrix organization
Degradation of the extracellular matrix
Protein localization
Cell Cycle
Cell Cycle, Mitotic
M Phase
Mitotic Anaphase
Mitotic Metaphase and Anaphase
Cell Cycle Checkpoints
Cellular Senescence
Transcriptional Regulation by VENTX
S Phase
Signaling by WNT
Ca2+ pathway
Beta−catenin independent WNT signaling
G alpha (q) signalling events
Regulation of insulin secretion
Integration of energy metabolism
Glucagon signaling in metabolic regulation
Leishmania infection
Leishmania parasite growth and survival
Anti−inflammatory response favouring Leishmania parasite
ADORA2B mediated anti−inflammatory cytokines production
G alpha (s) signalling events
Platelet homeostasis
Potassium Channels
Neuronal System
Neurotransmitter receptors and postsynaptic signal transmission
Transmission across Chemical Synapses
Diseases of Immune System
Diseases−TLR signaling cascade
Antigen processing−Cross presentation
ER−Phagosome pathway
Toll Like Receptor 9 (TLR9) Cascade
MyD88−independent TLR4 cascade
TRIF(TICAM1)−mediated TLR4 signaling
Toll Like Receptor 7/8 (TLR7/8) Cascade
TRAF6 mediated induction of NFkB and MAP kinases−TLR7/8/9
MyD88 dependent cascade initiated on endosome
Toll−like Receptor Cascades
Toll Like Receptor 4 (TLR4) Cascade
TLR1:TLR2 Cascade
TLR2 Cascade
Toll Like Receptor TLR6:TLR2 Cascade
MyD88:MAL(TIRAP) cascade
MAPK family signaling cascades
RAF/MAP kinase cascade
MAPK1/MAPK3 signaling
Diseases_transduction by growth factor receptors
Oncogenic MAPK signaling
G alpha (i) signalling events
Signaling by GPCR
GPCR downstream signalling
Nucleotide−like (purinergic) receptors
GPCR ligand binding
Class A/1 (Rhodopsin−like receptors)
Intracellular signaling by second messengers
PIP3 activates AKT signaling
Transcriptional Regulation by TP53
TP53 Regulates Metabolic Genes
Macroautophagy
Autophagy
Amino acids regulate mTORC1
Cellular responses to external stimuli
Cellular responses to stress
Signaling−Receptor Tyrosine Kinases
Signaling by NTRKs
Transport of small molecules
Ion channel transport
Stimuli−sensing channels
Intra−Golgi and retrograde Golgi−to−ER traffic
Golgi−to−ER retrograde transport
COPI−mediated anterograde transport
Transport to the Golgi and subsequent modification
ER to Golgi Anterograde Transport
Vesicle−mediated transport
Membrane Trafficking
Rab regulation of trafficking
RAB GEFs exchange GTP for GDP on RABs
Binding and Uptake of Ligands by Scavenger Receptors
Interleukin−4 and Interleukin−13 signaling
Cytokine Signaling
Signaling by Interleukins
Hemostasis
Platelet activation, signaling and aggregation
Signaling by Nuclear Receptors
ESR−mediated signaling
Extra−nuclear estrogen signaling
Estrogen−dependent gene expression
Estrogen−dependent nuclear events
Generic Transcription
Gene expression (Transcription)
RNA Polymerase II Transcription
Transcriptional regulation by RUNX3
Transcriptional regulation by RUNX1
Transcriptional regulation by RUNX2
Respiratory electron transport, ATP synthesis
TTCA cycle and respiratory electron transport
Pyruvate metabolism and Citric Acid (TCA) cycle
Metabolism of lipids
PPARA activates gene expression
Regulation of lipid metabolism by PPARalpha
Neddylation
Adaptive Immune System
MHCI−Ag processing & presentation
Ag processing: Ubiquitination & Proteasome degradation
SARS−CoV Infections
Infectious disease
HIV Infection
Biosynthesis of the N−glycan precursor
Synthesis of substrates in N−glycan biosythesis
Asparagine N−linked glycosylation
Metabolism of proteins
Post−translational protein modification
Innate Immune System
Neutrophil degranulation
Metabolism of carbohydrates
Developmental Biology
L1CAM interactions
Axon guidance
Nervous system development
Cluster Dendrogram
d
hclust (*, "complete")