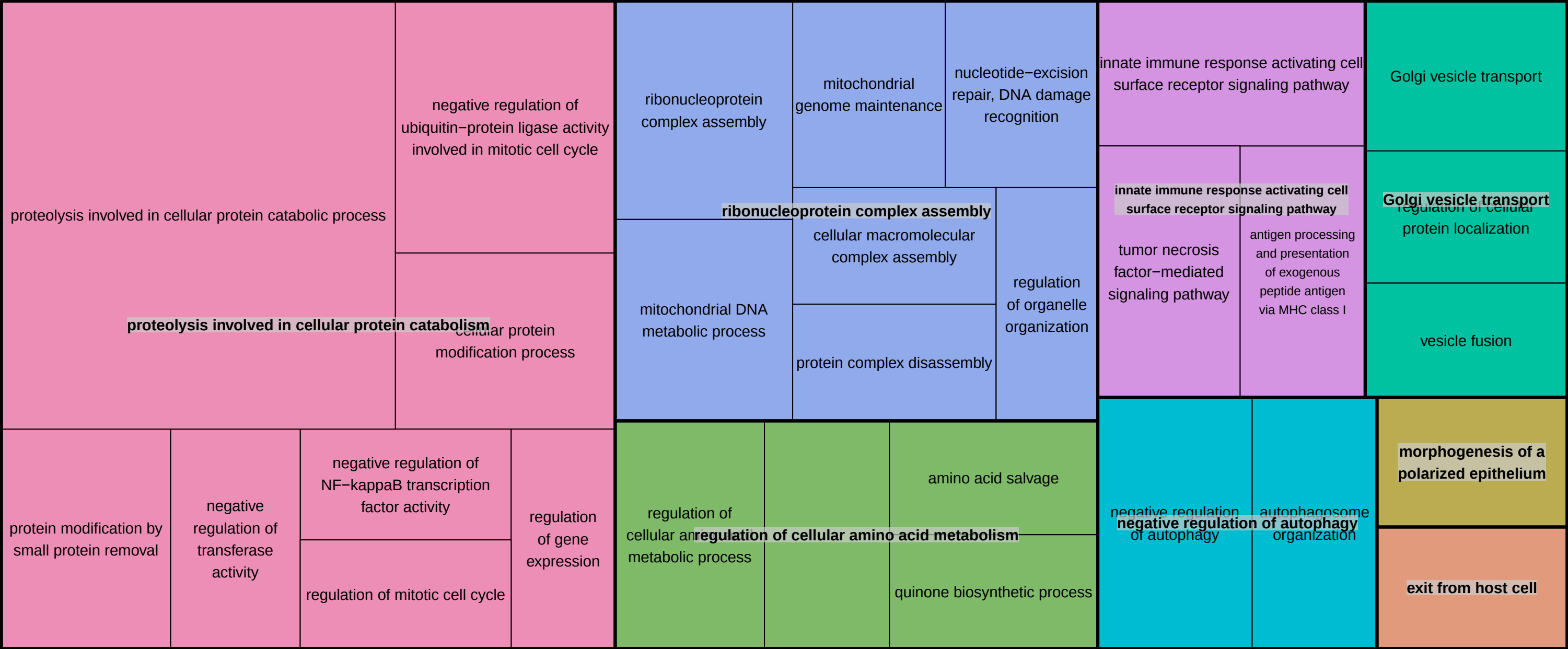
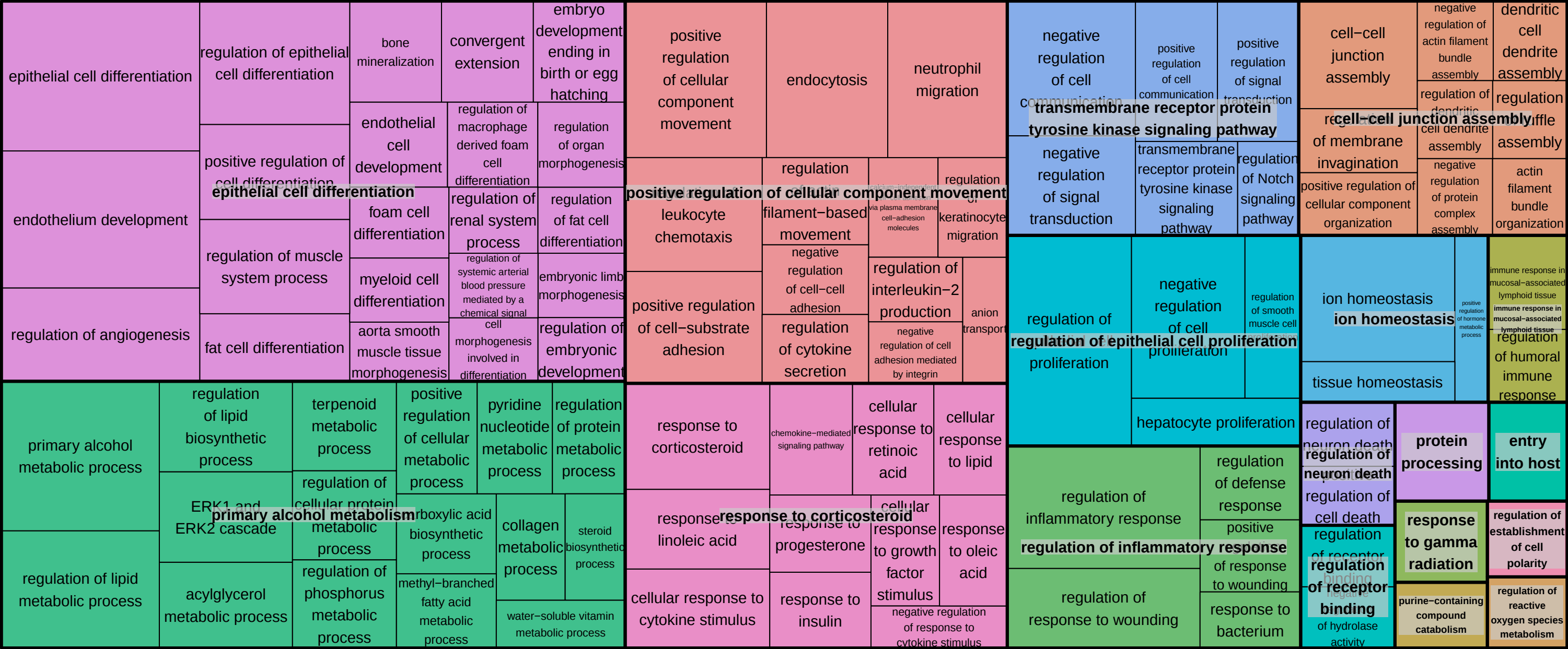


Additional File 3. Complete list of GO terms for all genes

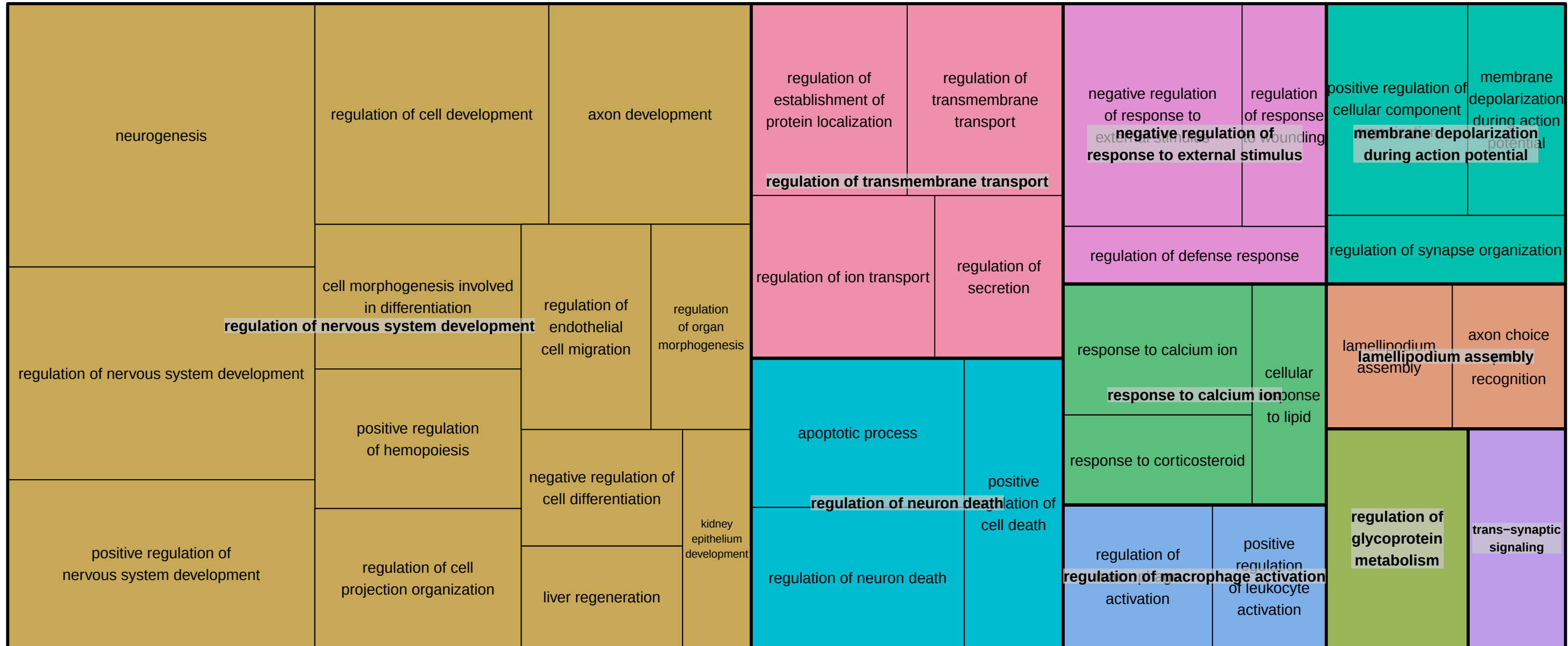
Common Hypovariable Biological Processes



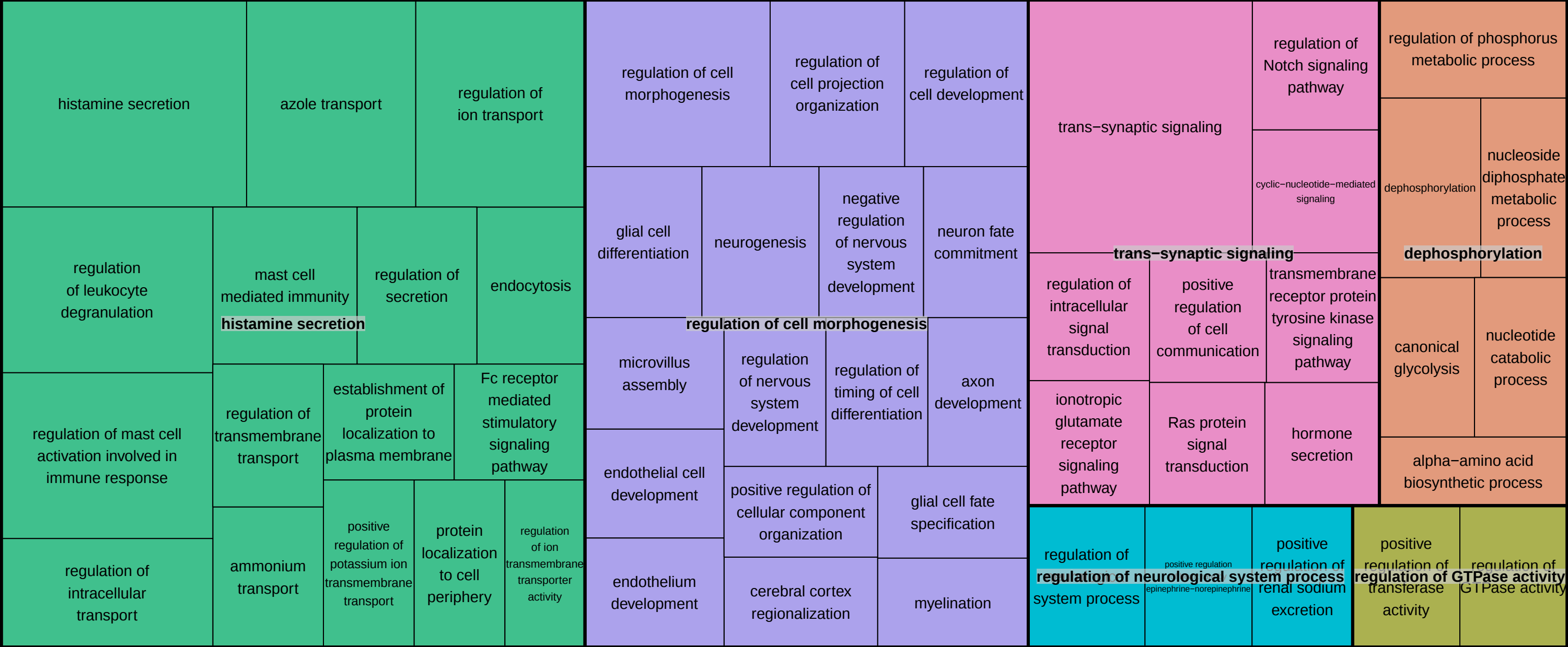
Unique Hypervariable Breast Biological Processes



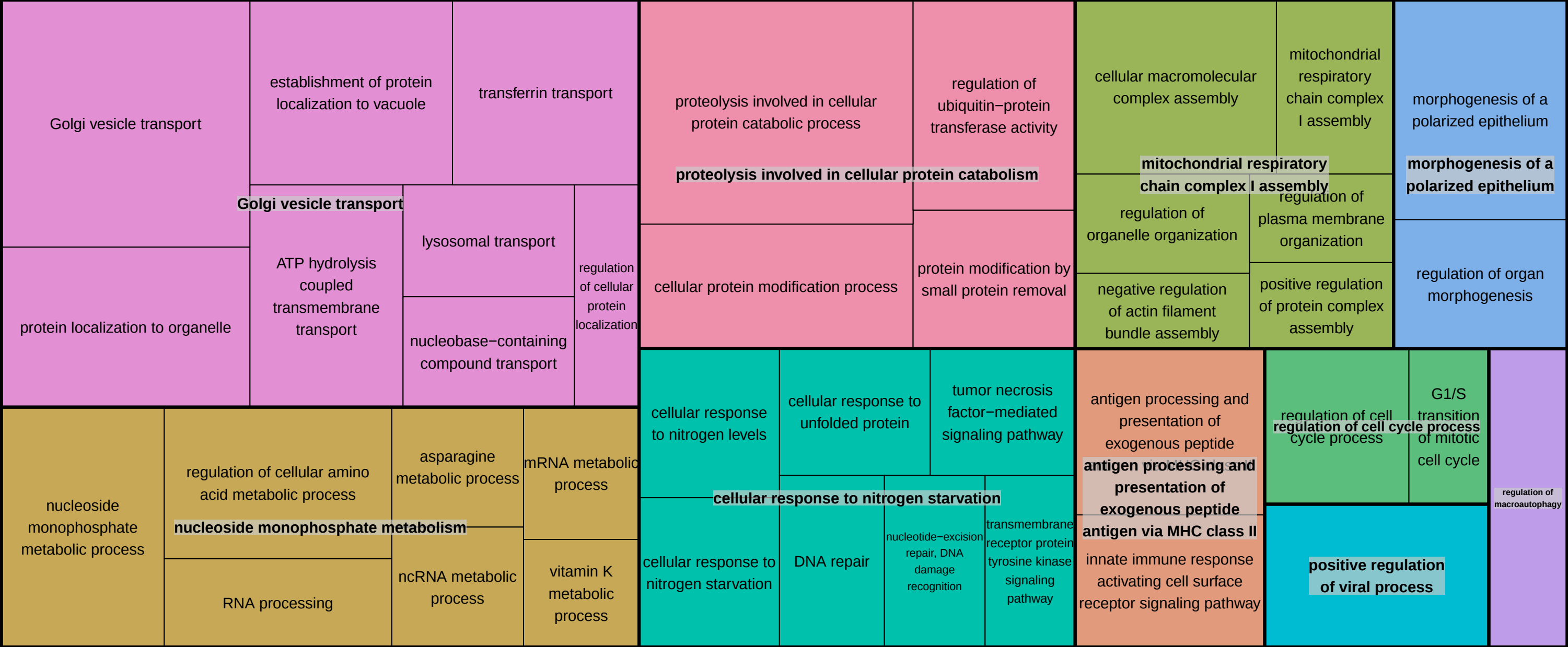
Unique Hypervariable Cerebellum Biological Processes



Unique Hypervariable Frontal Biological Processes



Unique Hypovariable Breast Biological Processes



Unique Hypovariable Cerebellum Biological Processes

DNA conformation change

positive regulation
of cell size

response to camptothecin

regulation of
regulation of ubiquitin-protein transferase activity
transferase activity

regulation of cellular
amine metabolic process

modification-dependent macromolecule catabolism

retrograde transport, endosome to Golgi

G1/S transition of mitotic cell cycle

Unique Hypovariable Frontal Biological Processes

RNA processing	mRNA metabolic process	cap-independent translational initiation	covalent chromatin modification	ribonucleoprotein complex assembly	tRNA aminoacylation	response to interleukin-15	
		DNA repair	base-excision repair, AP site formation	RNA (guanine-N7)-methylation	RNA biosynthetic process		transcription, DNA-templated
	ncRNA metabolism						
ncRNA metabolic process	amide biosynthetic process	regulation of macromolecule biosynthetic process	RNA secondary structure unwinding	2'-deoxyribonucleotide metabolic process	regulation of nucleobase-containing compound metabolic process	regulation of RNA metabolic process	regulation of entry of bacterium into host cell
	regulation of gene expression	RNA modification	nucleic acid phosphodiester bond hydrolysis	DNA biosynthetic process	DNA modification	cellular hyperosmotic response	

Common Hypervariable Cellular Component

anchored component of external side of plasma membrane

cytosolic ribosome

Common Hypovariable Cellular Component

endosome

IkappaB kinase complex

Unique Hypervariable Breast Cellular Component

contractile actin filament bundle

contractile actin filament bundle

intermediate filament cytoskeleton

secretory vesicle

Unique Hypervariable Cerebellum Cellular Component

calcium channel complex

spectrin-associated cytoskeleton

Unique Hypervariable Frontal Cellular Component

coated vesicle

transport vesicle

cell cortex

cell cortex
DA selective glutamate receptor complex

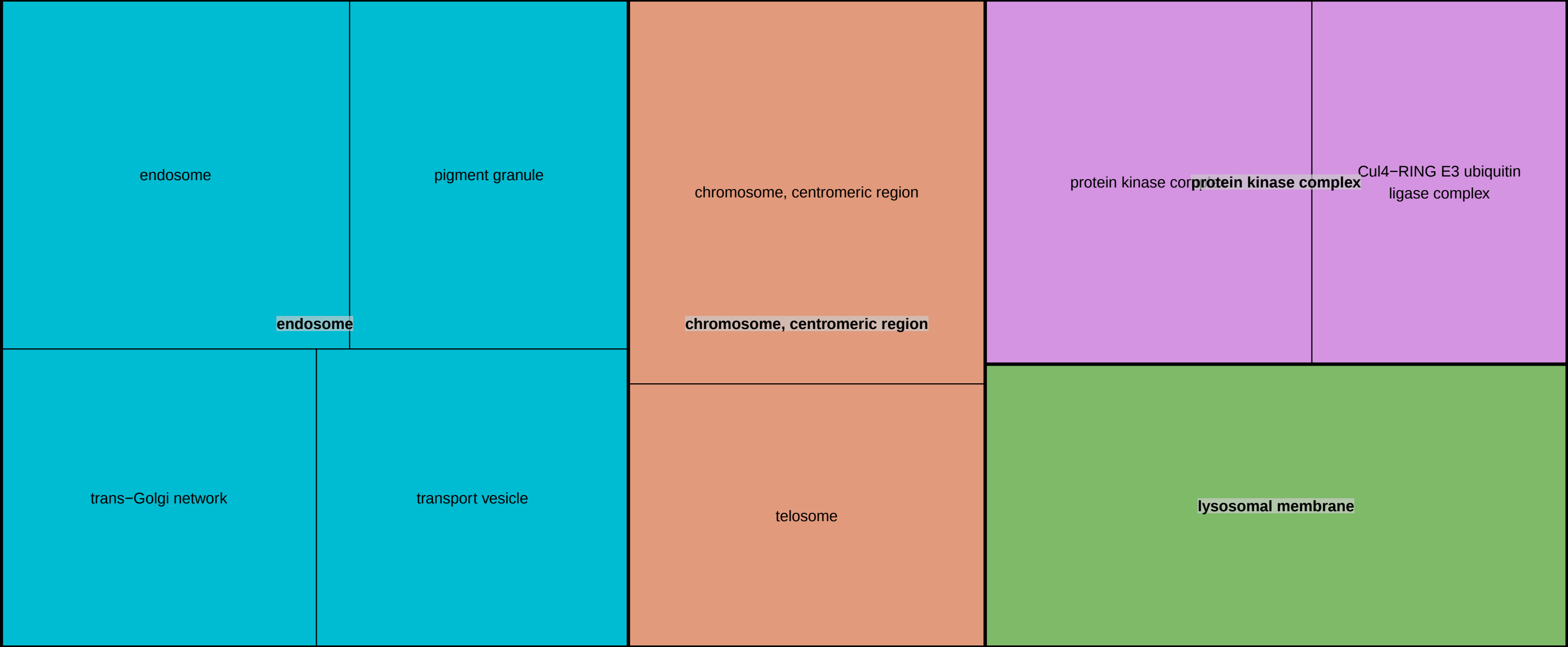
coated vesicle

endosome

endocytic vesicle

trans-Golgi network

Unique Hypovariable Breast Cellular Component



Unique Hypovariable Cerebellum Cellular Component

endosome

Unique Hypovariable Frontal Cellular Components

H4 histone acetyltransferase complex	eukaryotic 43S preinitiation complex	sex chromatin	U12-type spliceosomal complex
	nuclear body	Set1C/COMPASS complex	spliceosomal snRNP complex

H4 histone acetyltransferase complex