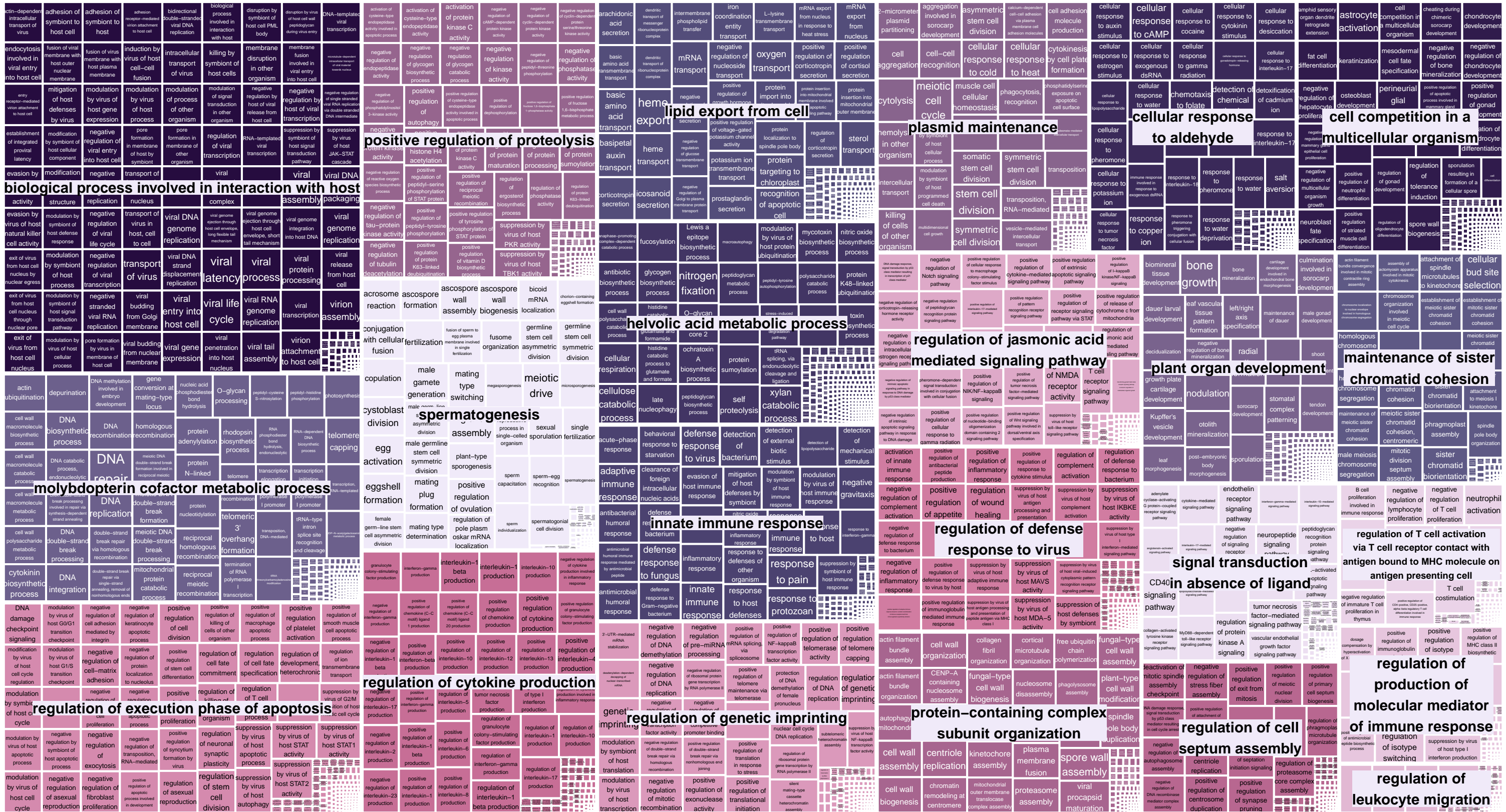






## Annelida BP TreeMap





## Arthropoda BP TreeMap





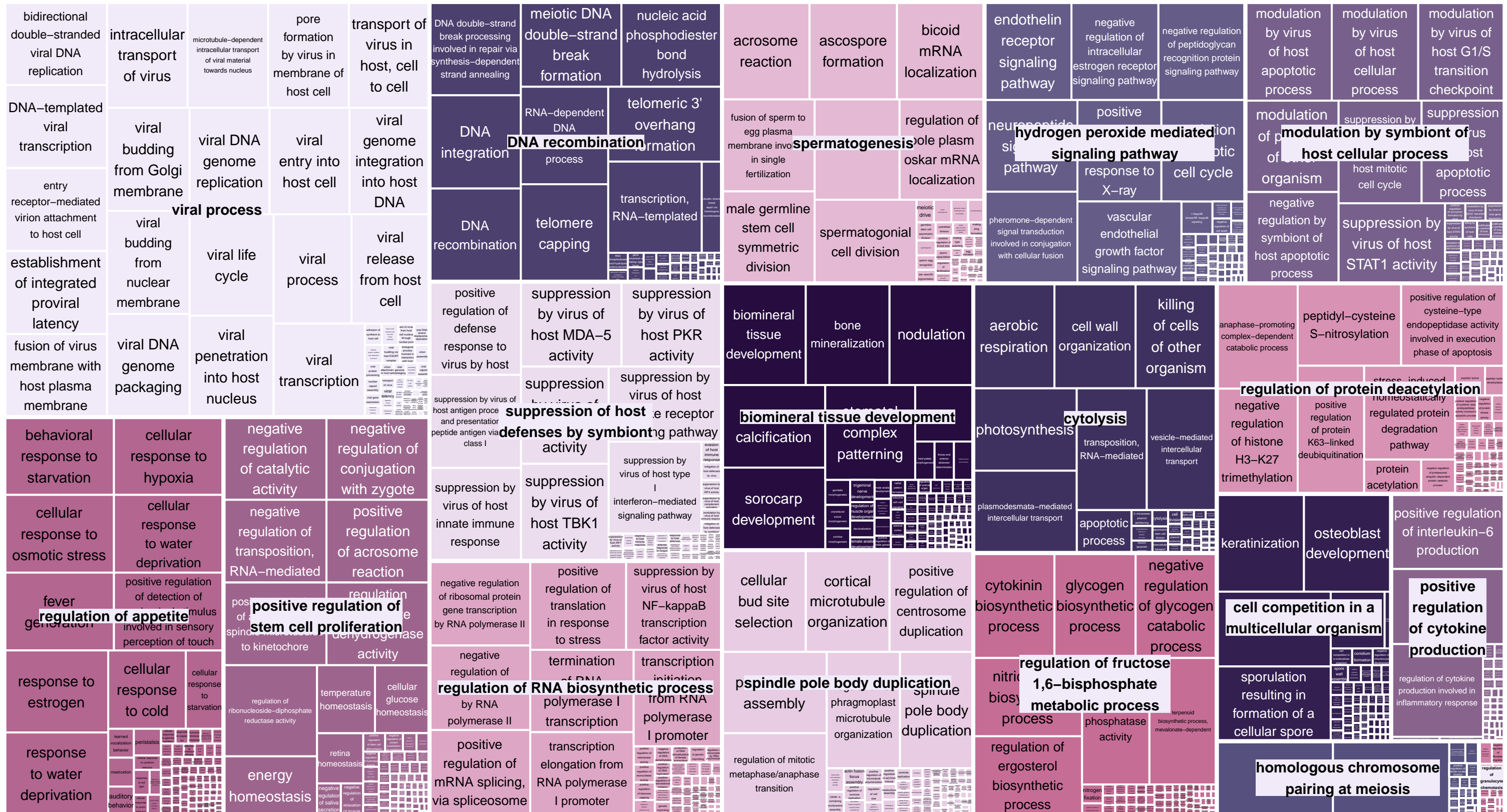








## Chaetognatha BP TreeMap

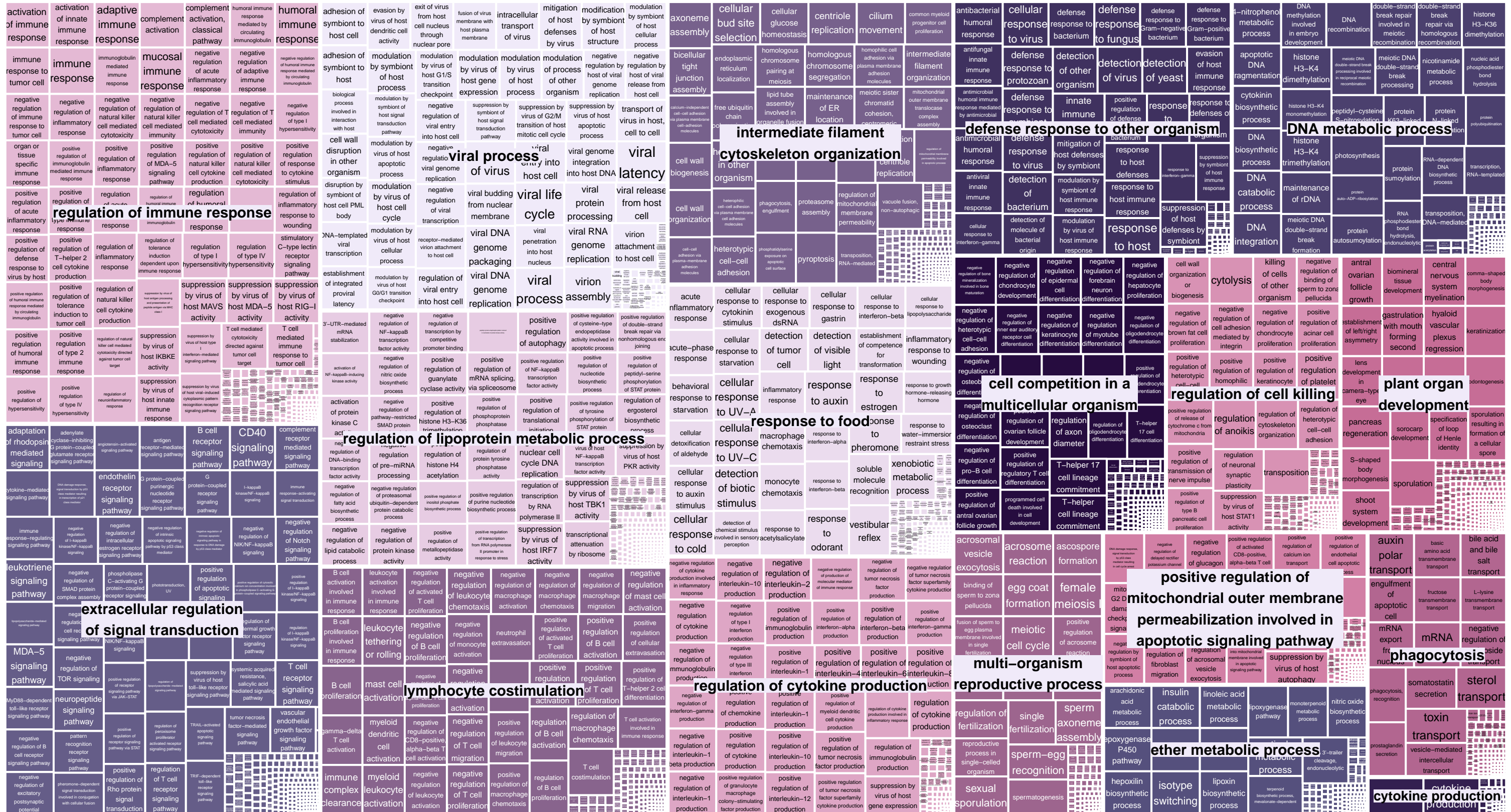






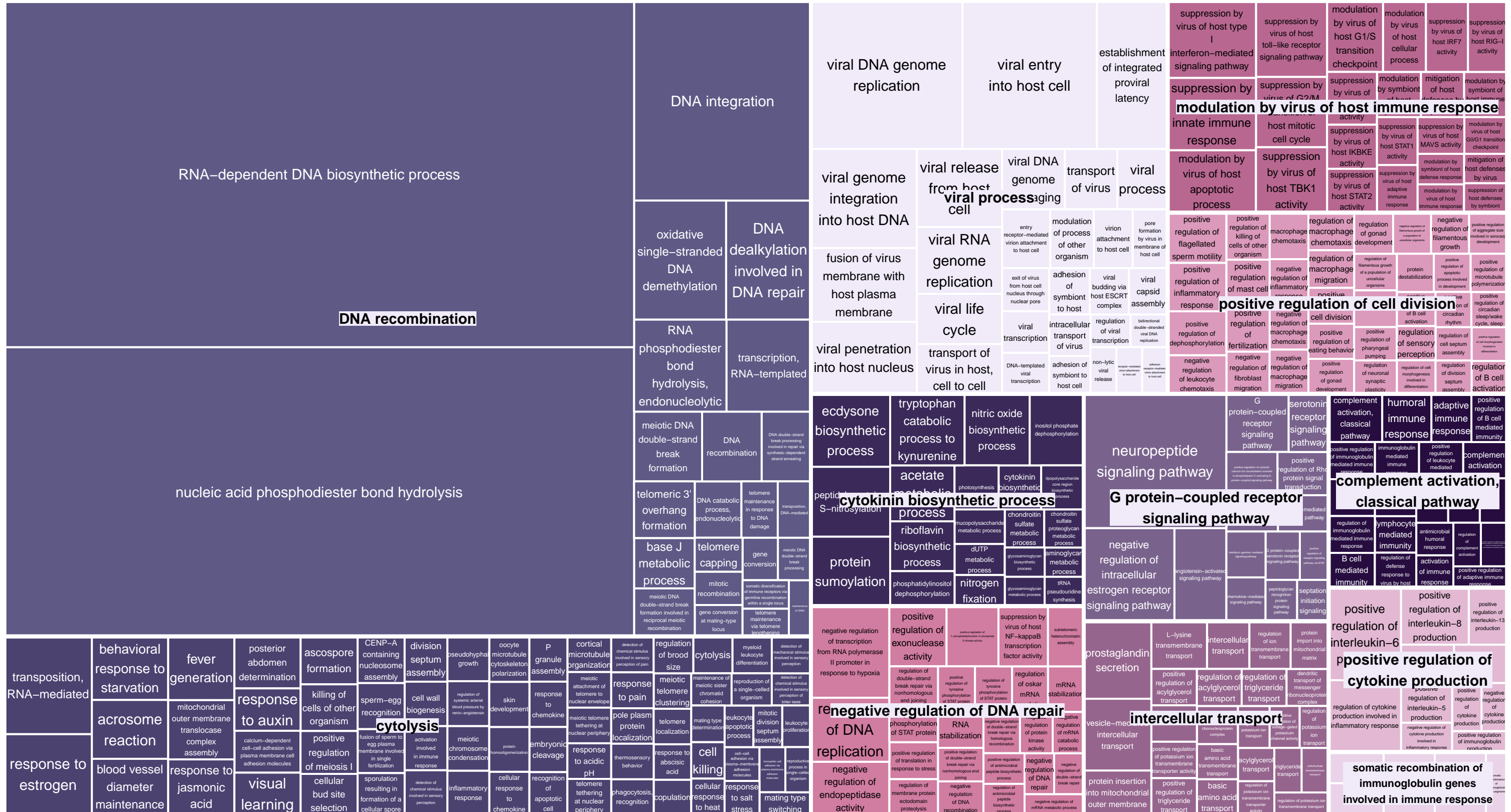


# Craniata BP TreeMap





## Ctenophora BP TreeMap





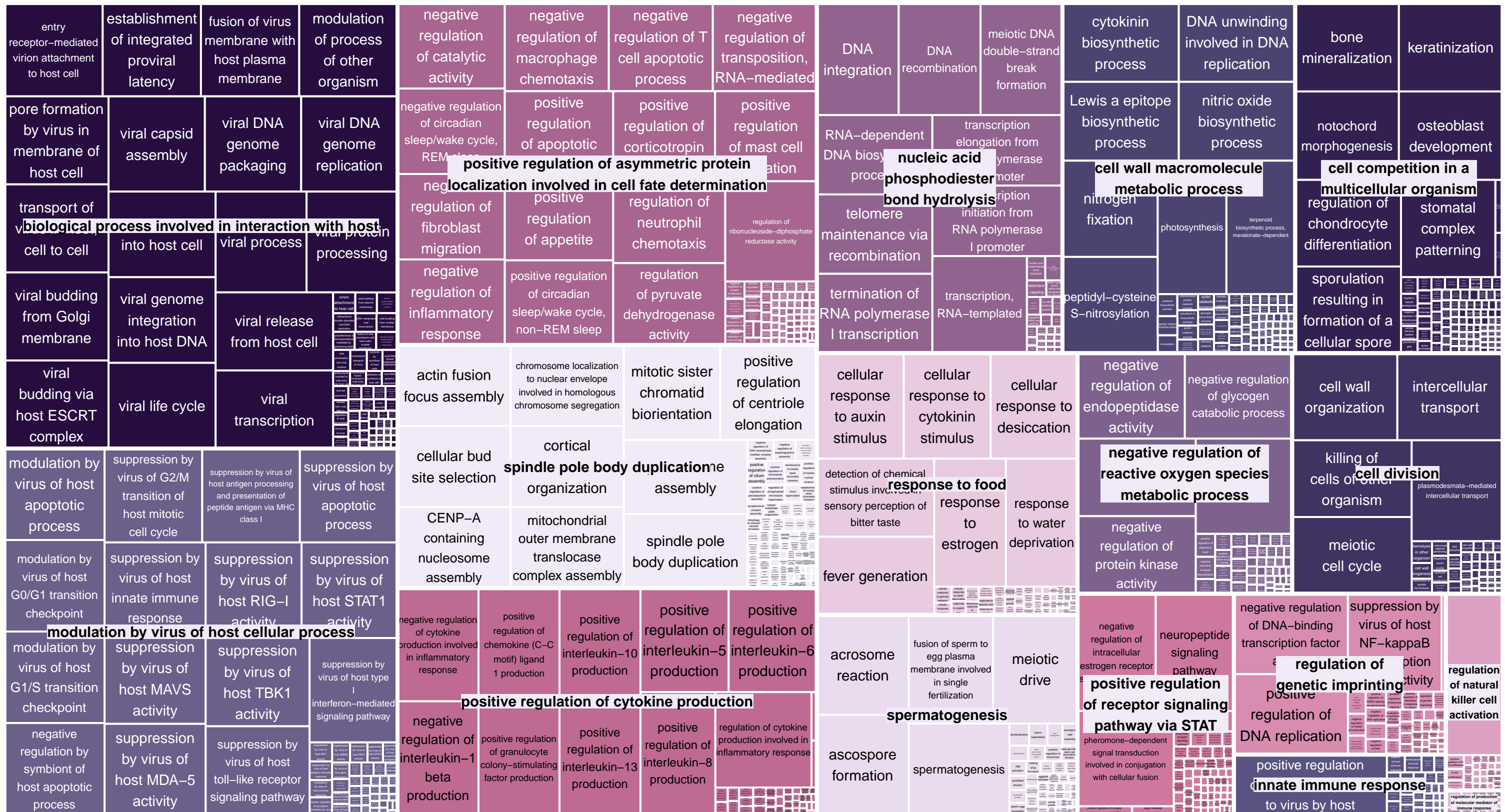








## Entoprocta BP TreeMap

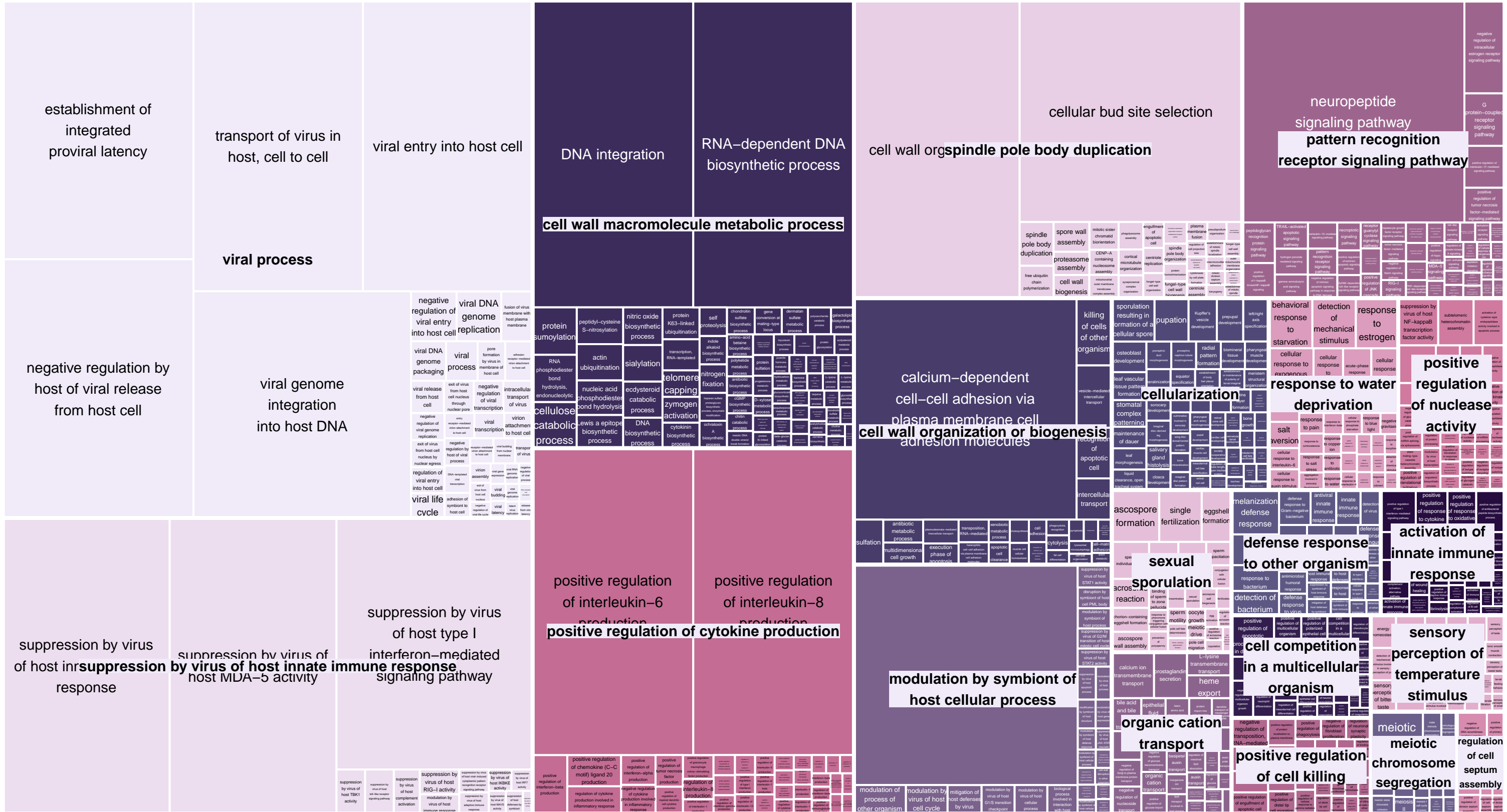




# Gastrotricha BP TreeMap

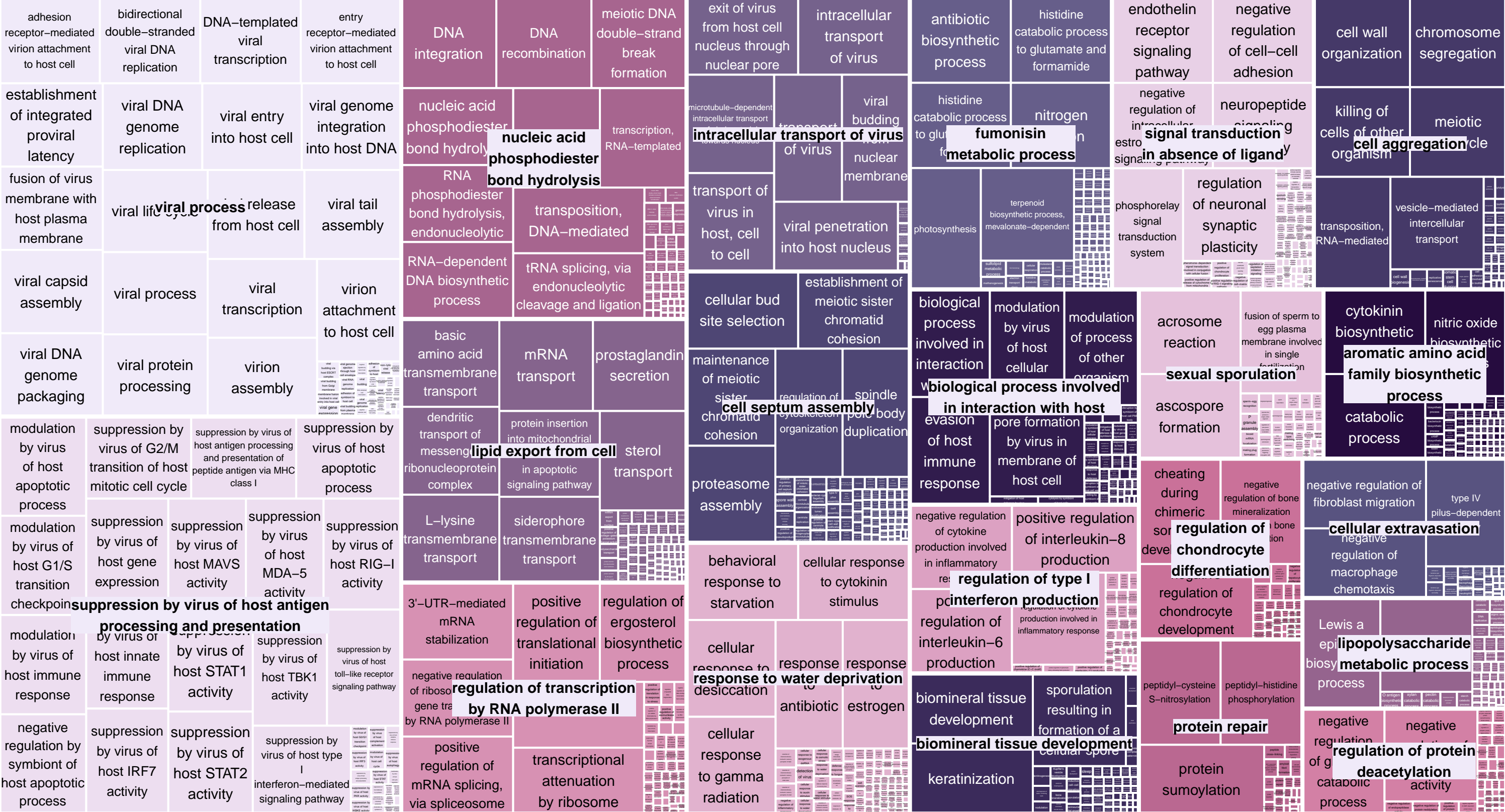


## Hemichordata BP TreeMap

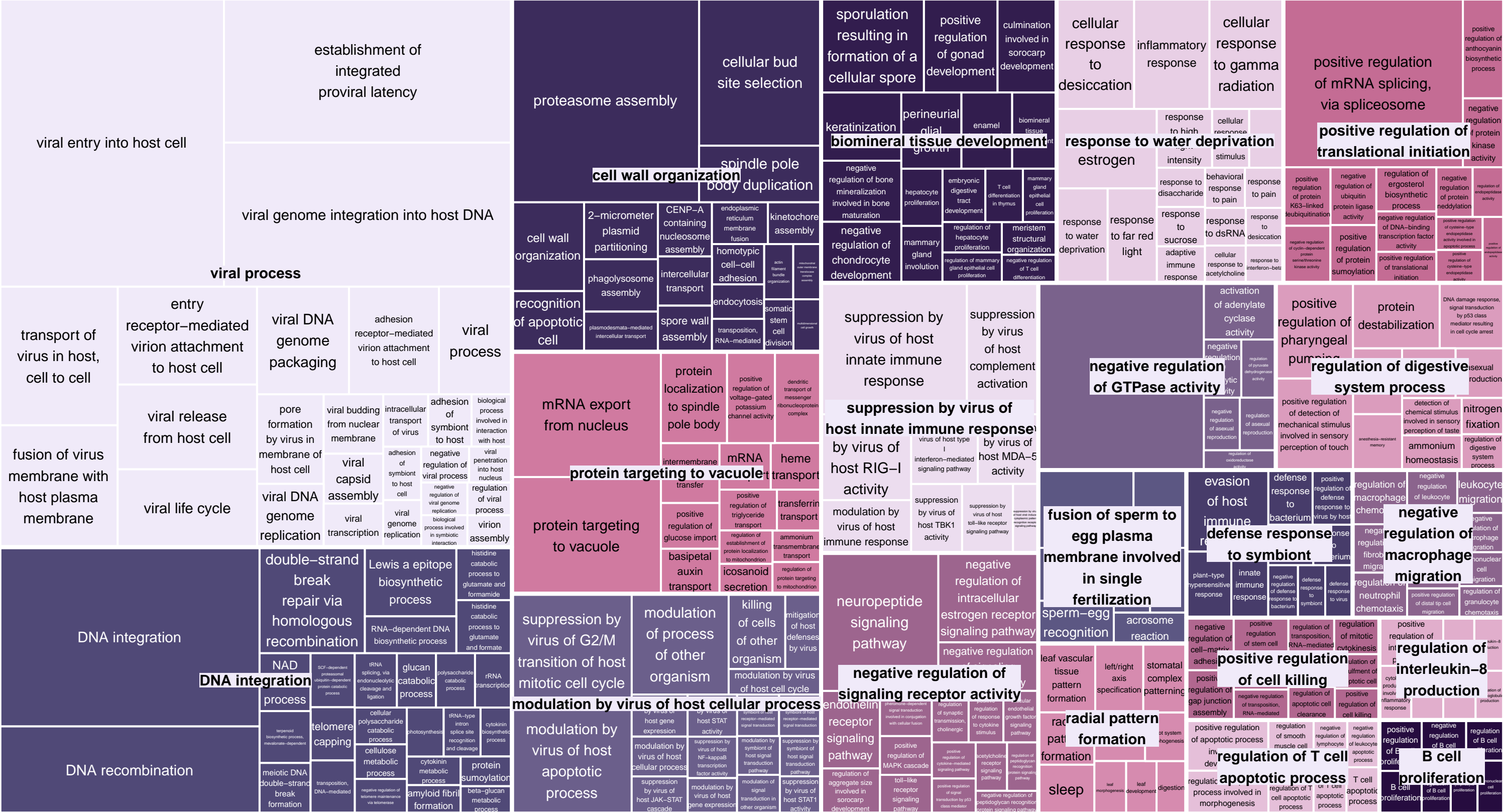




Kinorhyncha BP TreeMap

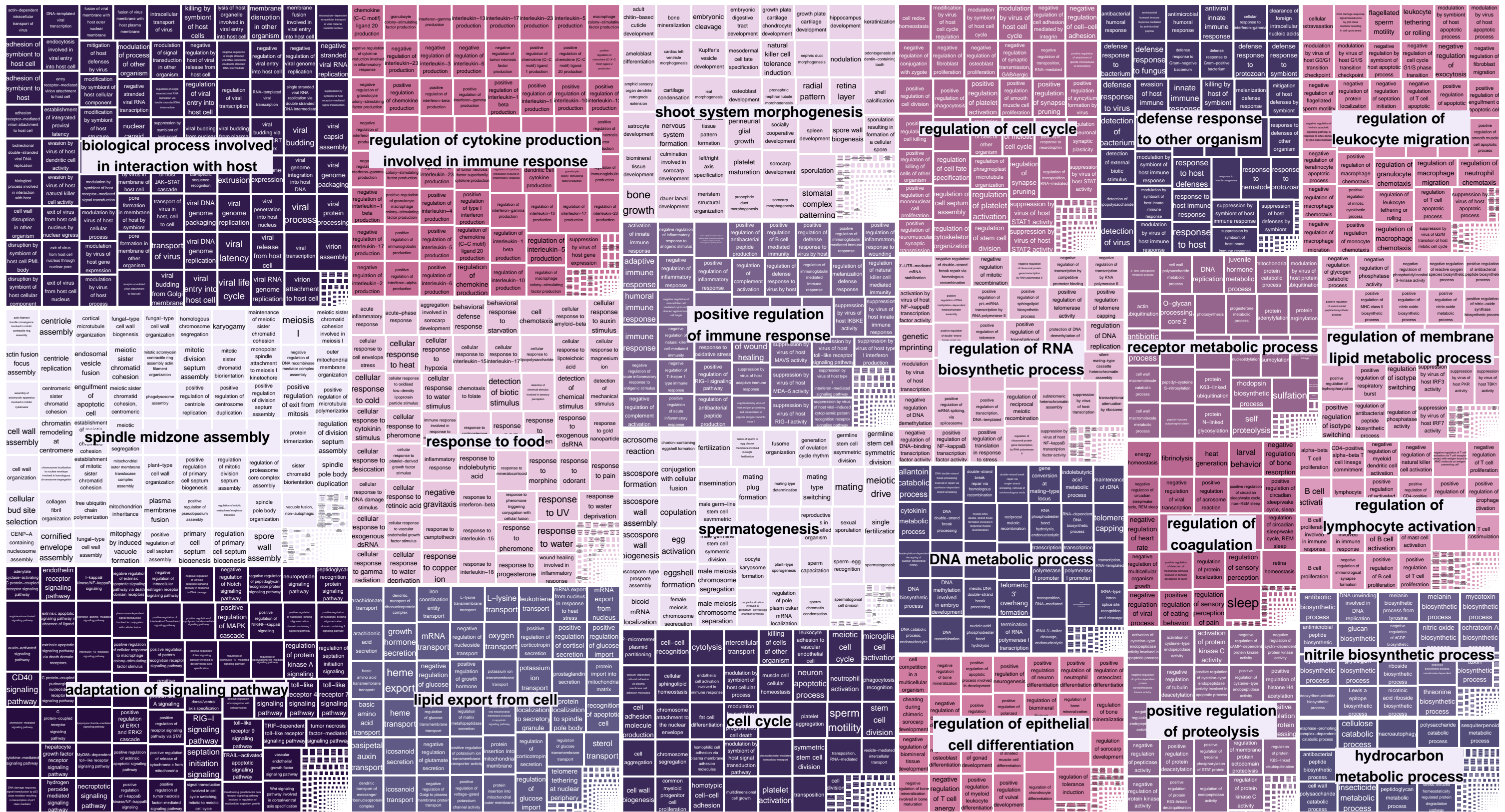


Micrognathozoa BP TreeMap



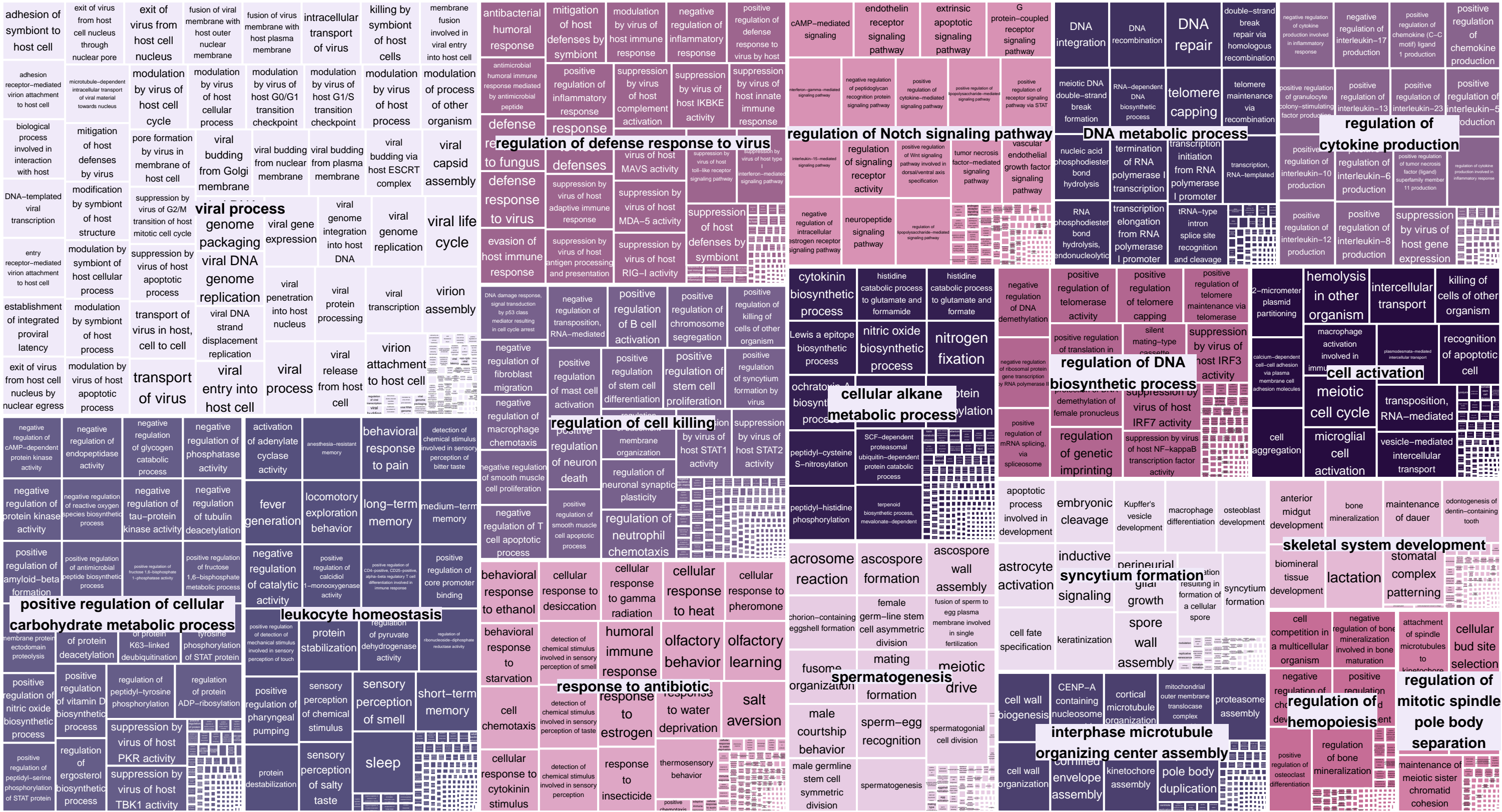


## Mollusca BP TreeMap





# Nematoda BP TreeMap











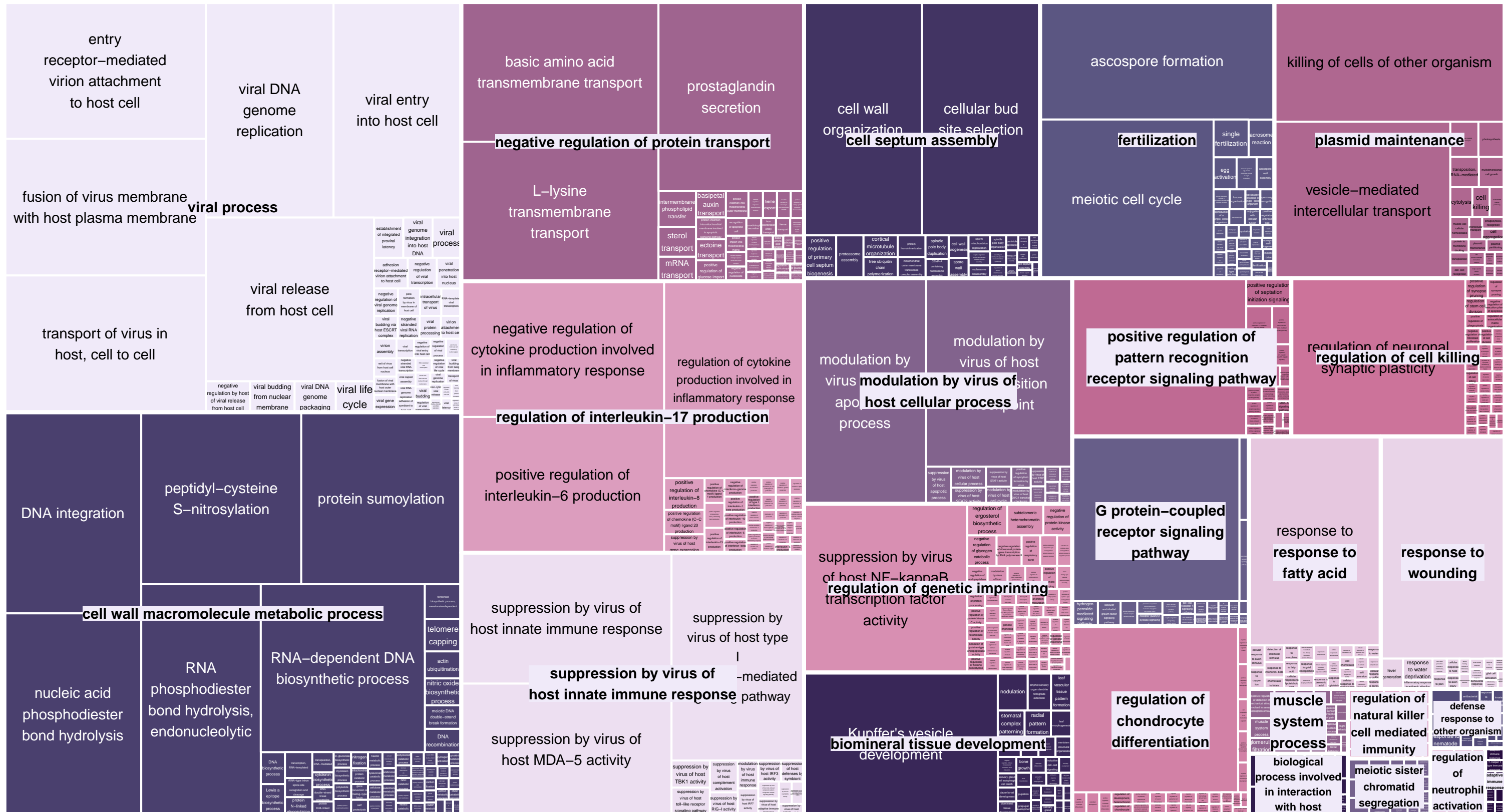






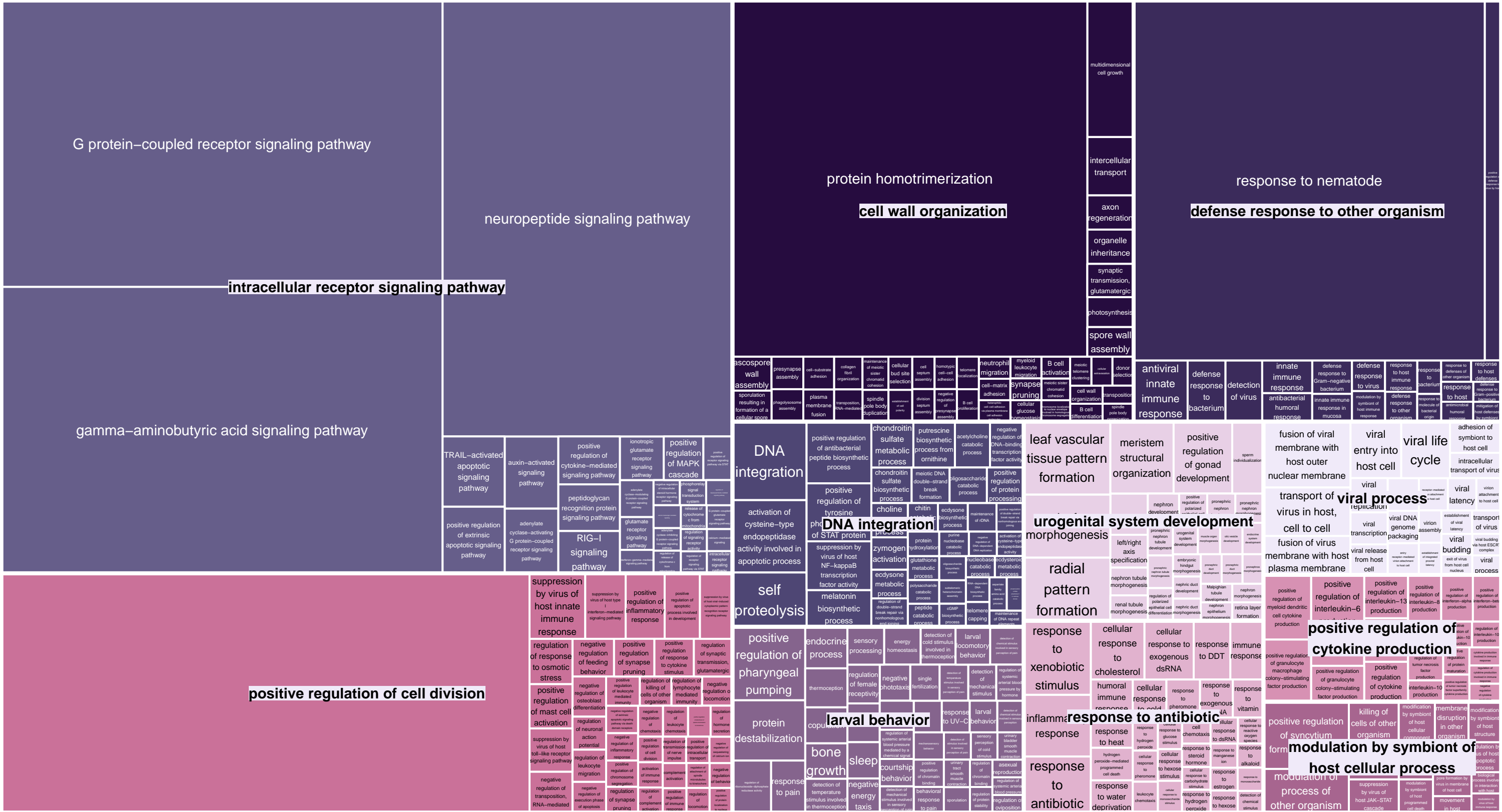


## Phoronida BP TreeMap

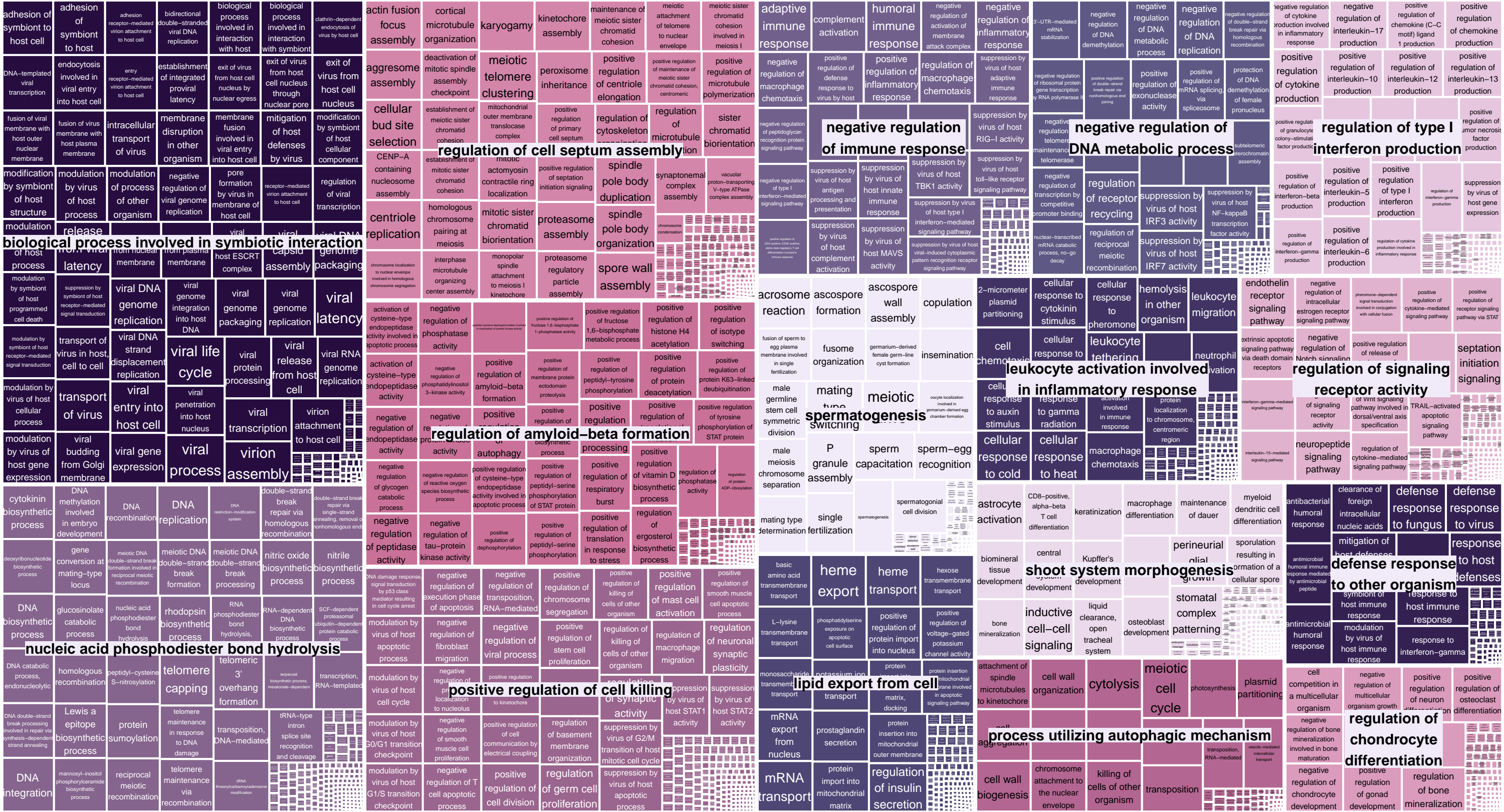




## Placozoa BP TreeMap



# Platyhelminthes BP TreeMap







[illegible]

## nucleic acid phosphodiester bond hydrolysis

## protein sumoylation

## response to estrogen

## RNA-dependent DNA biosynthetic process

neuropeptide signaling pathway

cellular response to desiccation

regulation of blood coagulation

cellular response to hypoxia

viral DNA genome  
viral process  
packaging

suppression by virus of  
host innate immune response

biological  
process involved  
in interaction  
with host

sleep

central  
nervous  
system

negative regulation of bone morphogenesis

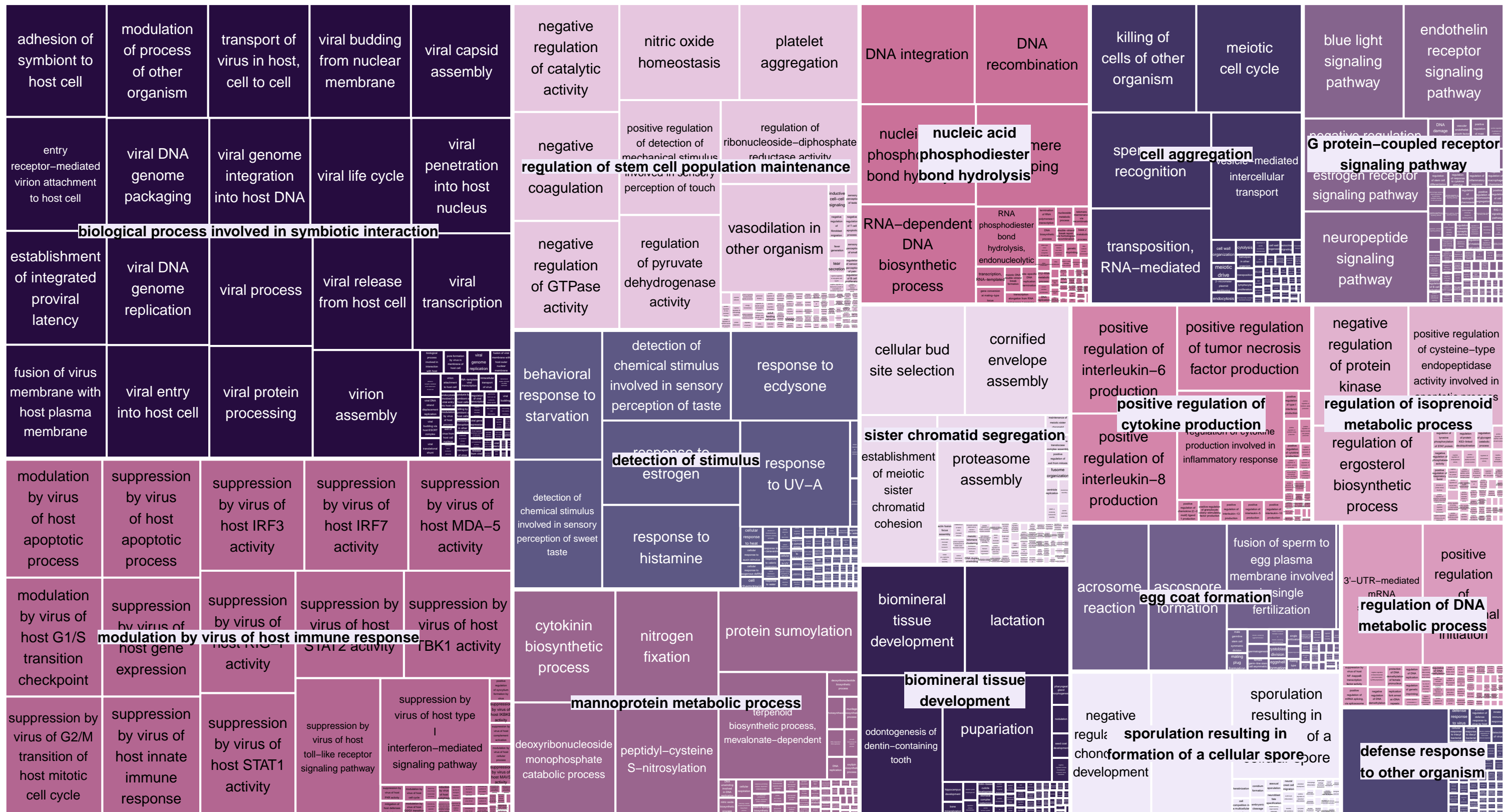
negative regulation by ambient of cell apoptotic process

biological  
process involved  
in interaction  
with host



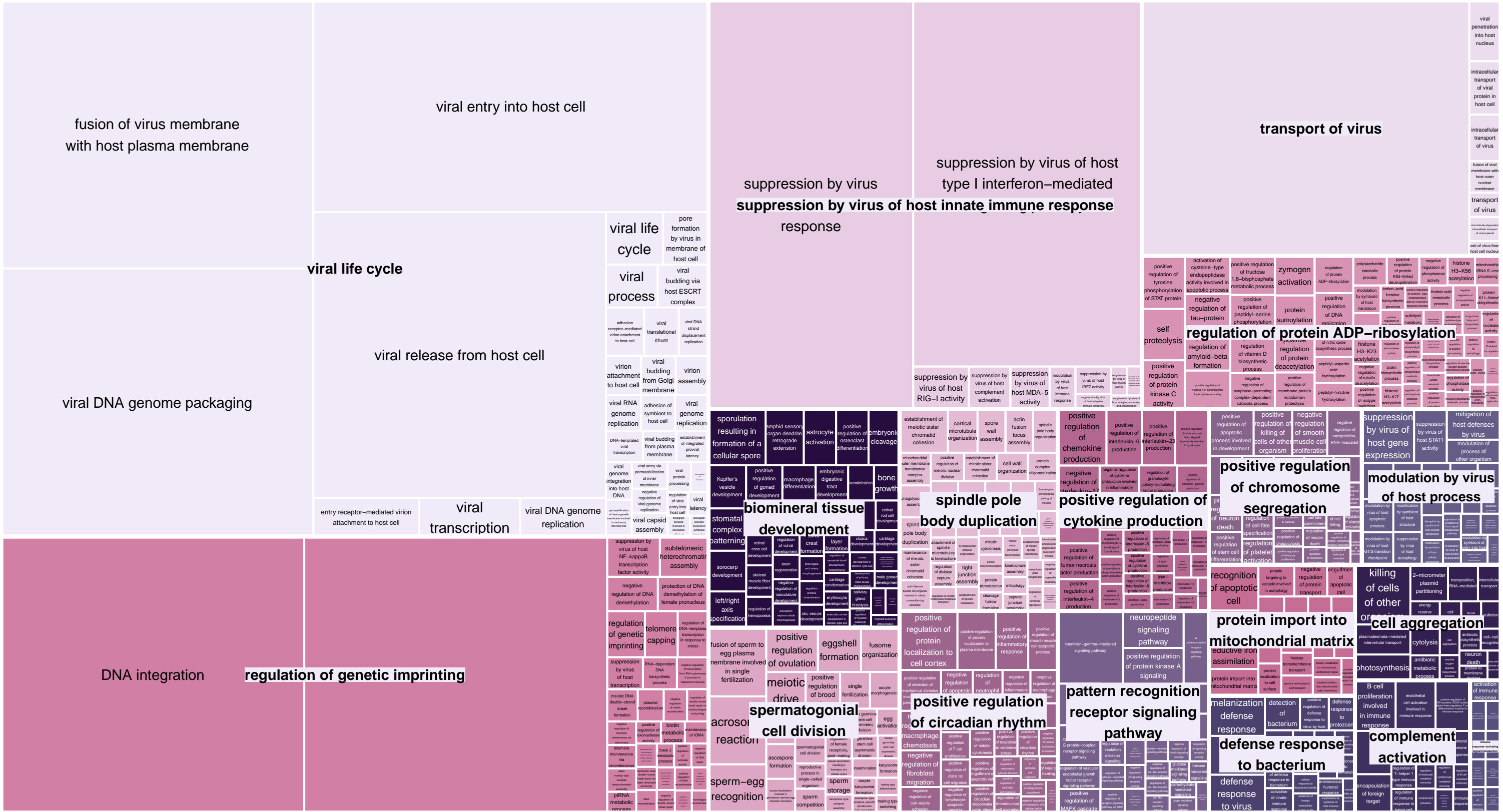


## Tardigrada BP TreeMap

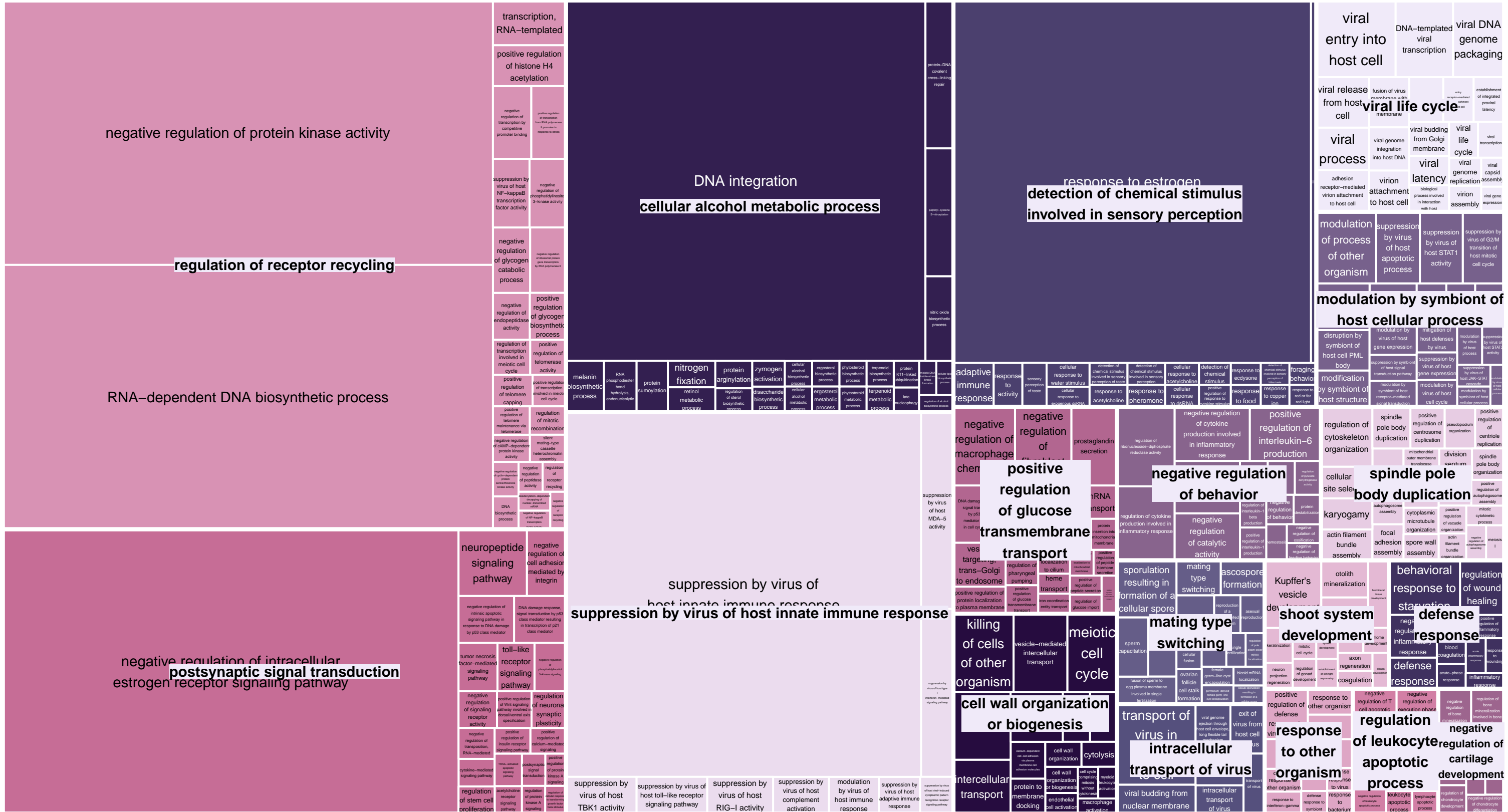




## Urochordata BP TreeMap

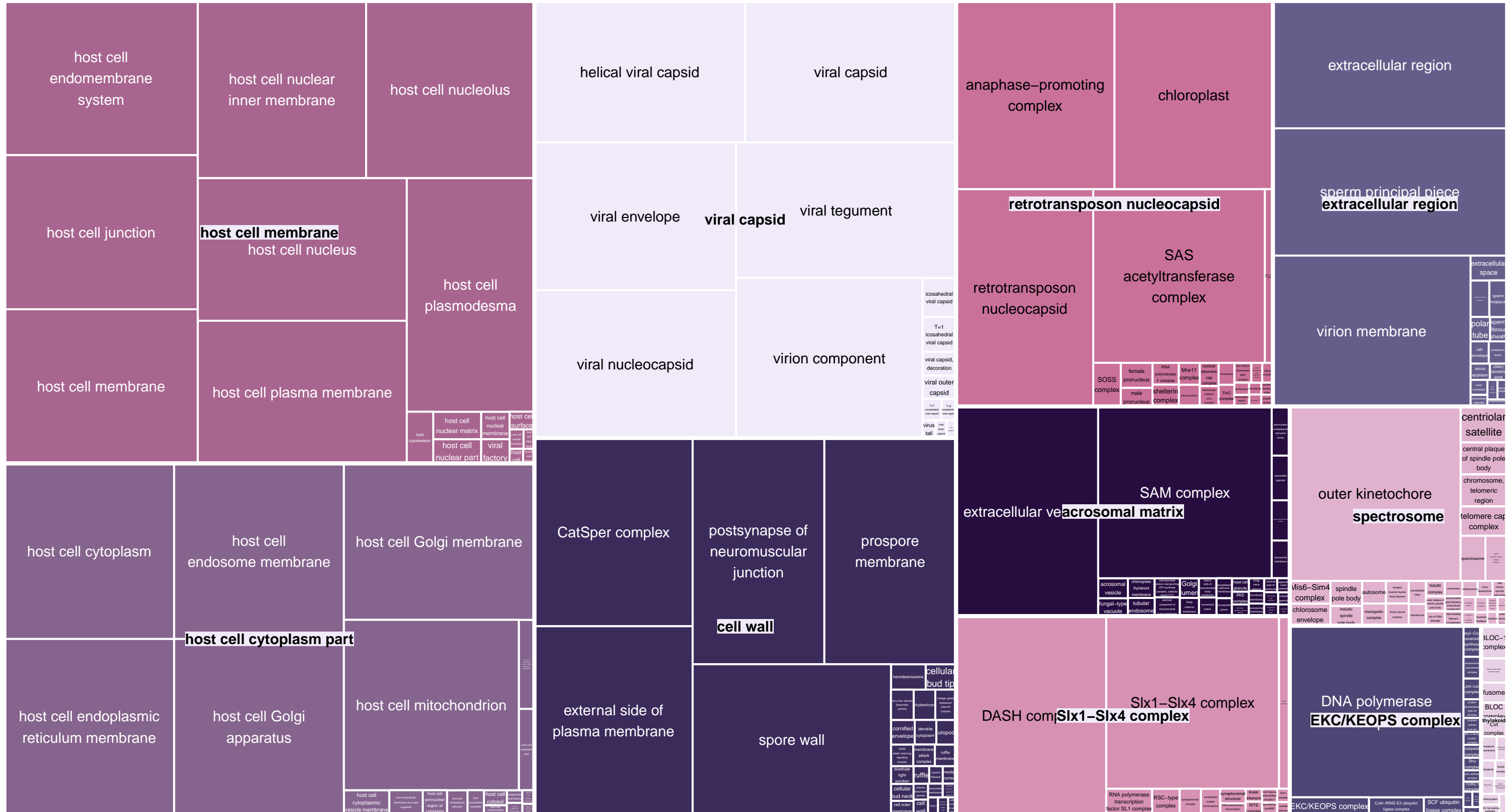


## Xenoturbellida BP TreeMap

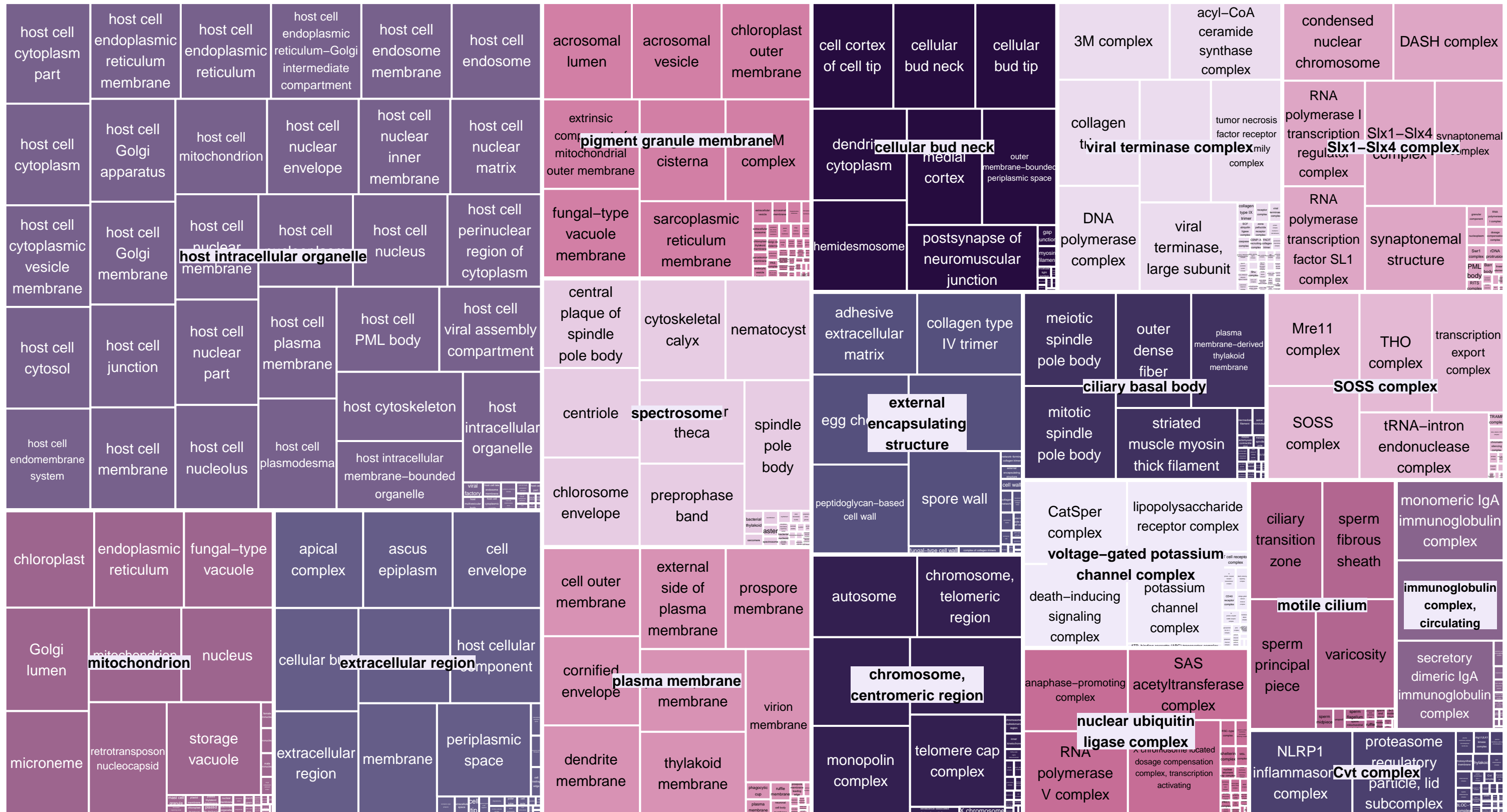




## Acoela CC TreeMap

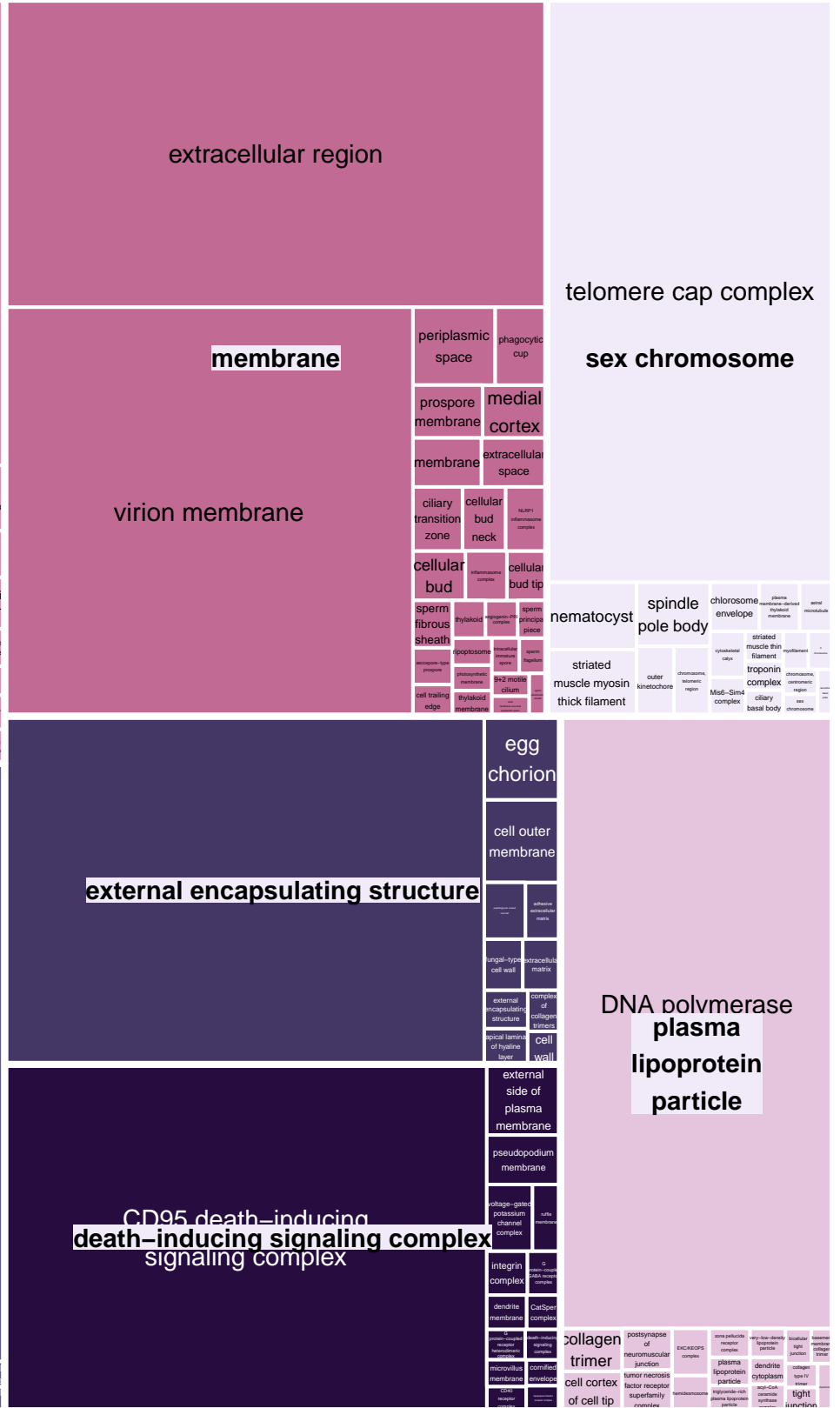


## Annelida CC TreeMap



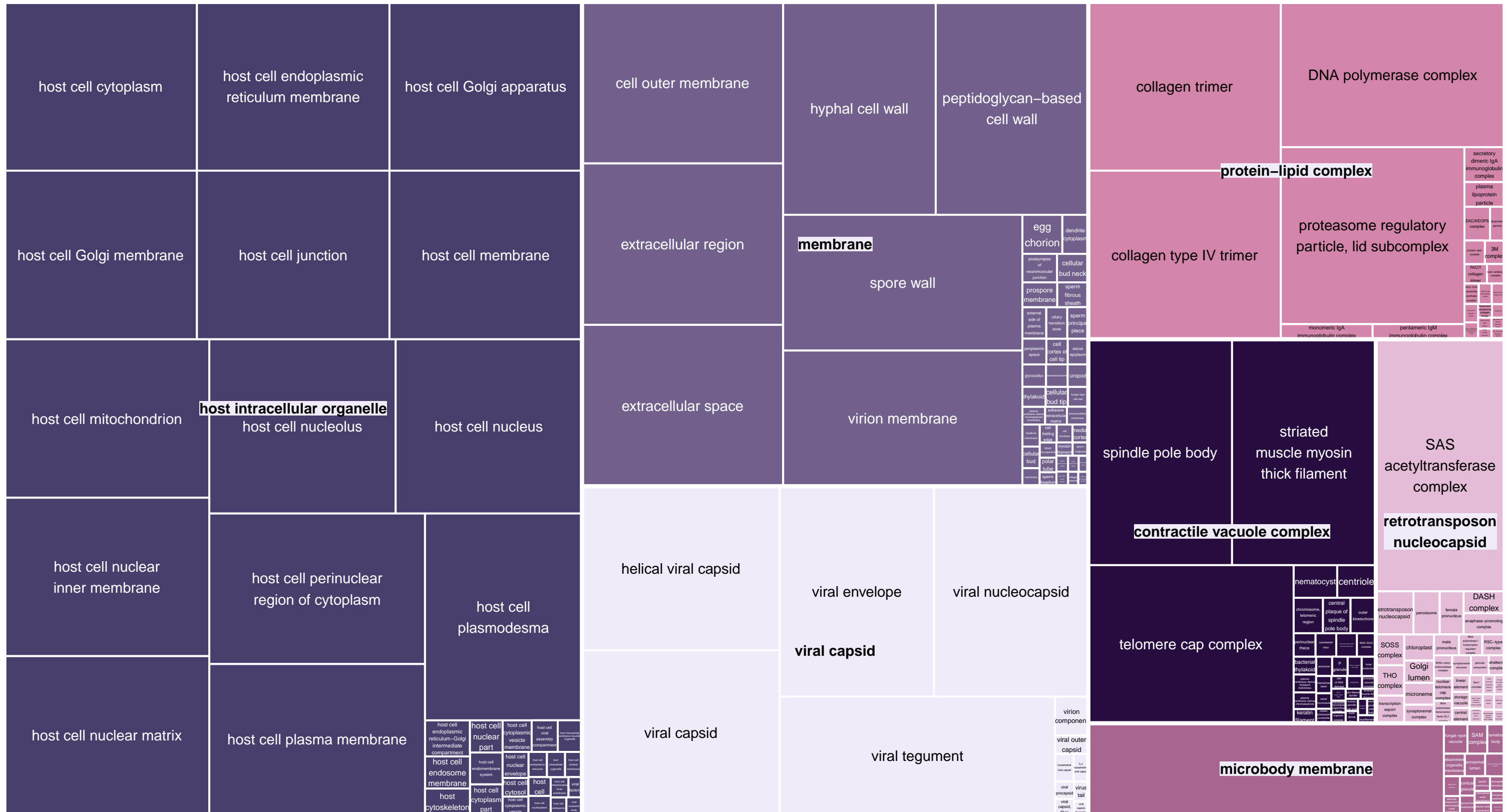




[illegible]



## Bryozoa CC TreeMap



## Cephalochordata CC TreeMap

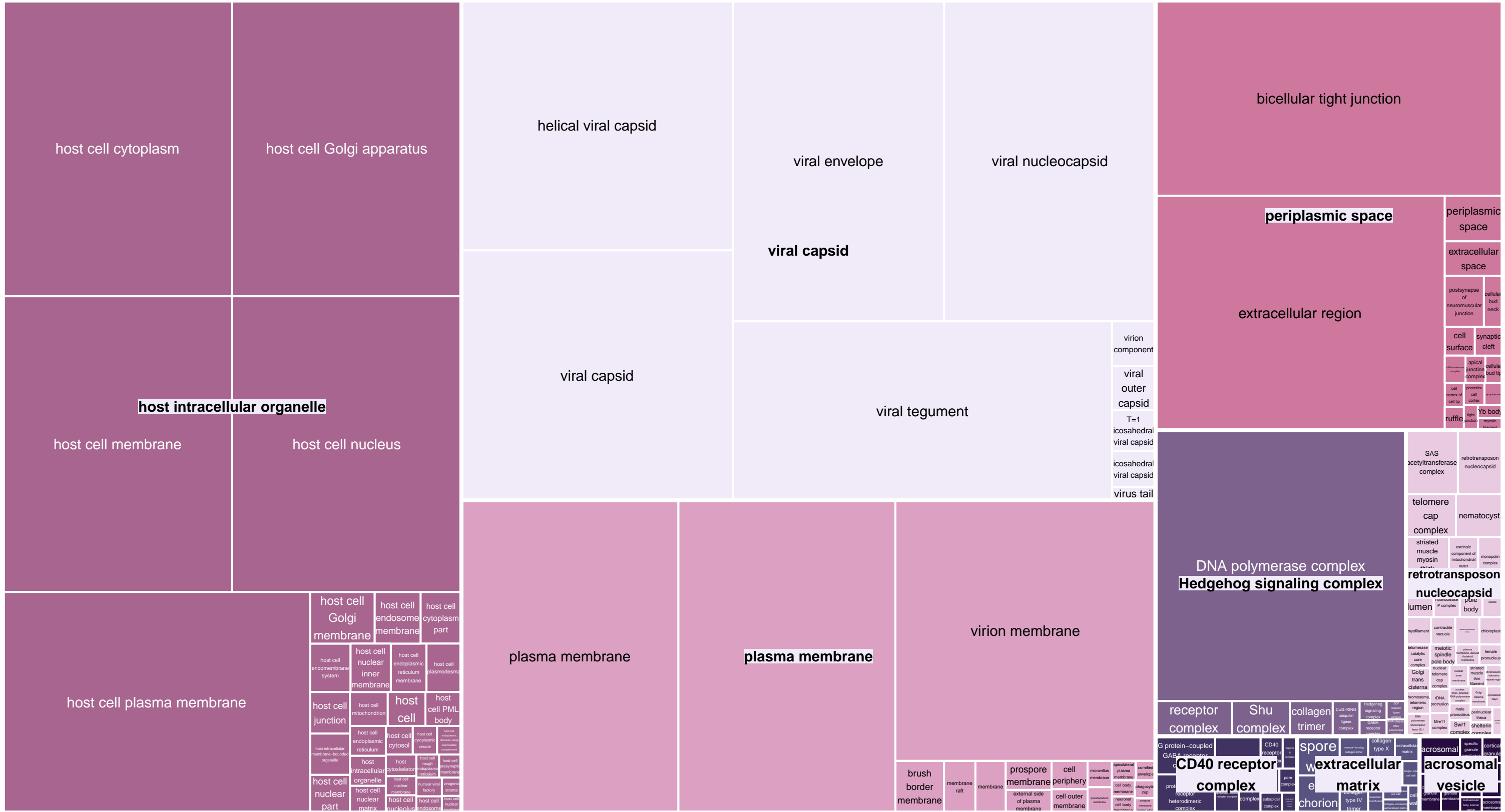




## Chaetognatha CC TreeMap

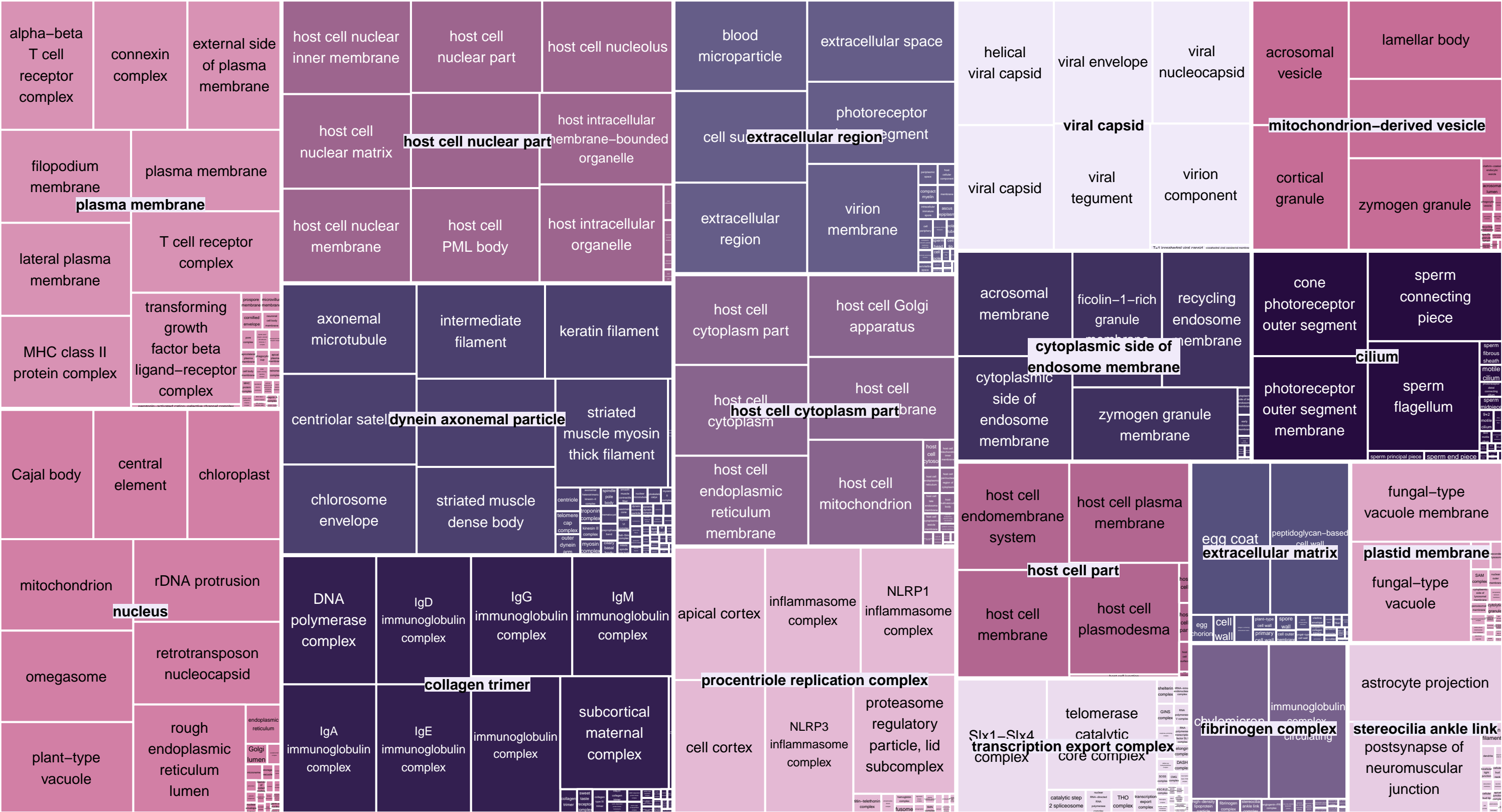


## Cnidaria CC TreeMap

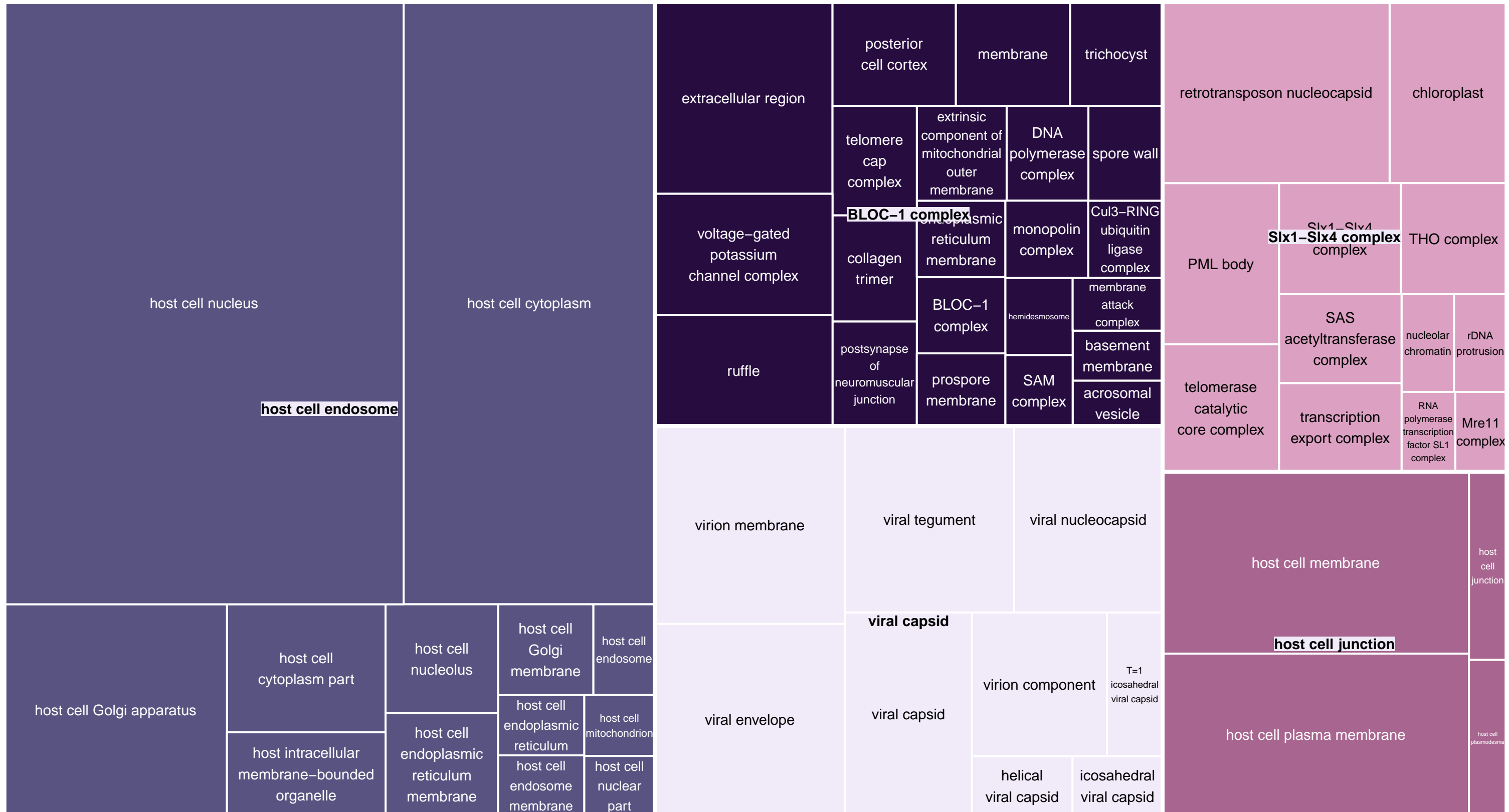




Craniata CC TreeMap



## Ctenophora CC TreeMap





[illegible]

extracellular region

host cell endoplasmic  
reticulum membrane

viral envelope

viral tegument  
**virion component**

**periplasmic space**

voltage-gated potassium  
channel complex

host cell membrane

host cell endosome membrane

host cell plasma membrane

prospore membrane

host cell nucleus

virion membrane

viral  
capsid

viral  
nucleocapsid

virion  
component

helical  
viral  
capsid

virus tail

synaptonemal structure

ngal-type  
vacuole  
membrane

plasma  
membrane-derived  
thyroid  
membrane

SAM  
complex

SOSS  
complex

mitochondrial  
outer membrane

synaptonemal  
structure

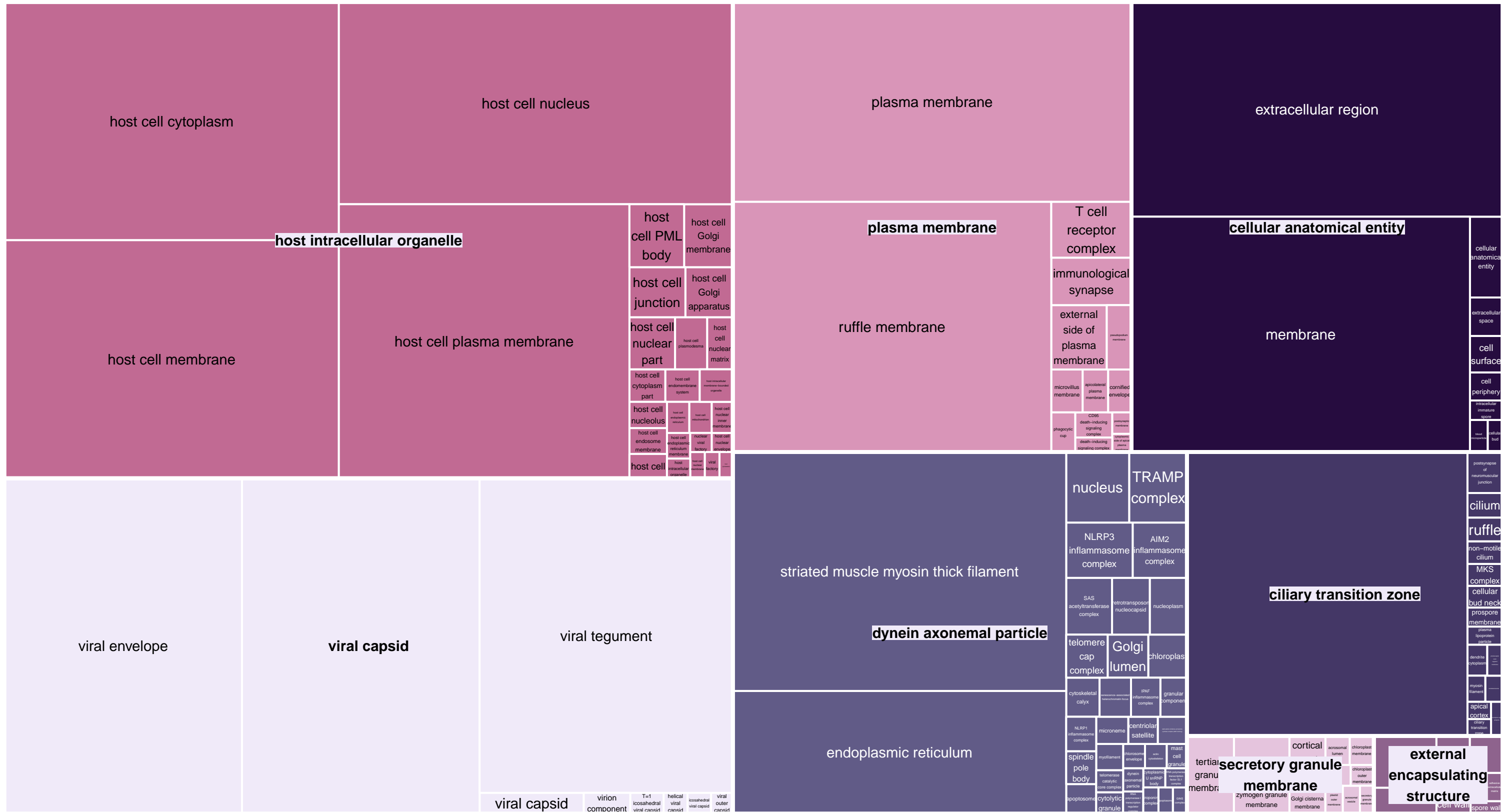
[illegible]

chromosome,  
telomeric region

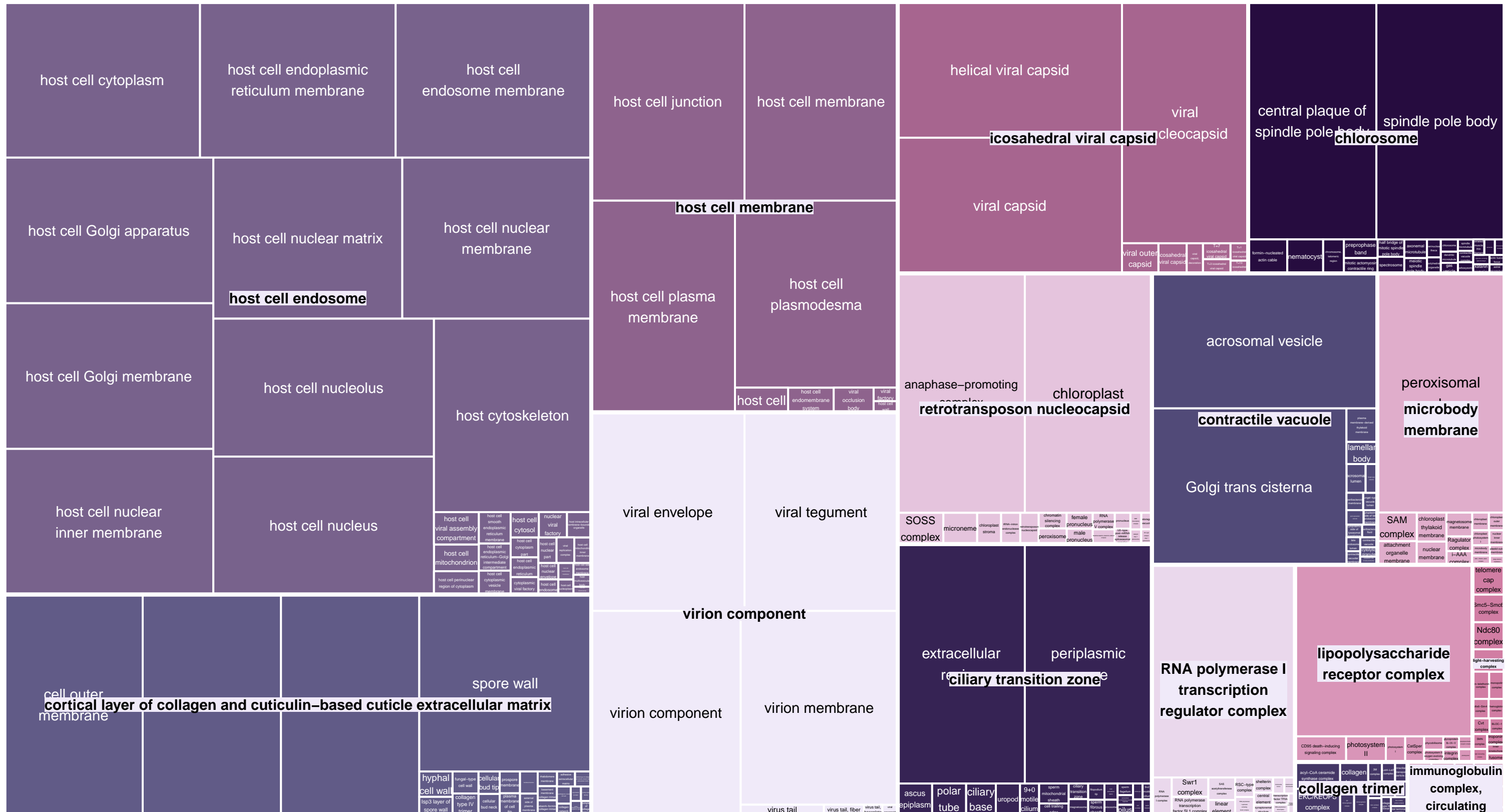




# Echinodermata CC TreeMap



## Entoprocta CC TreeMap

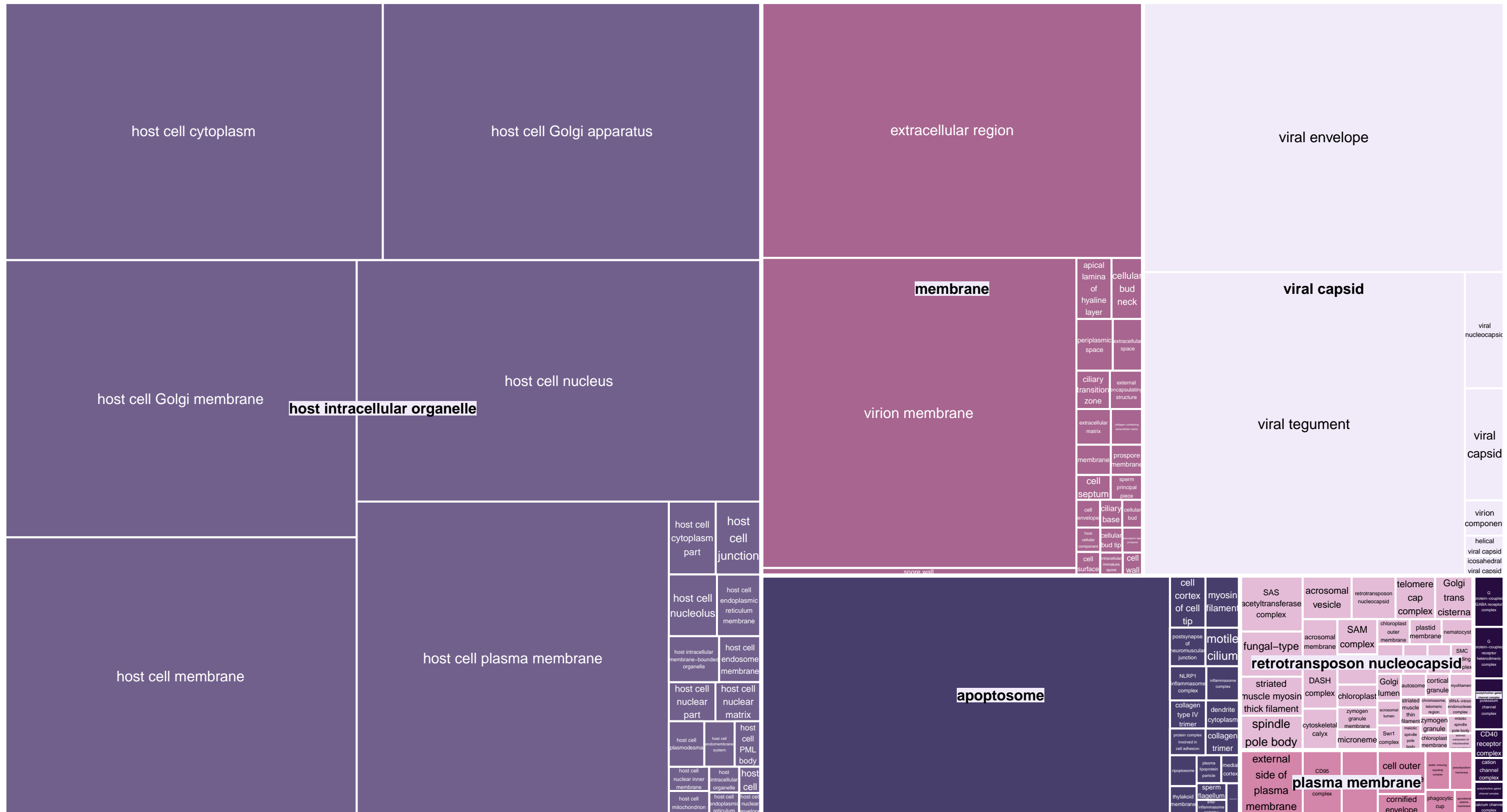




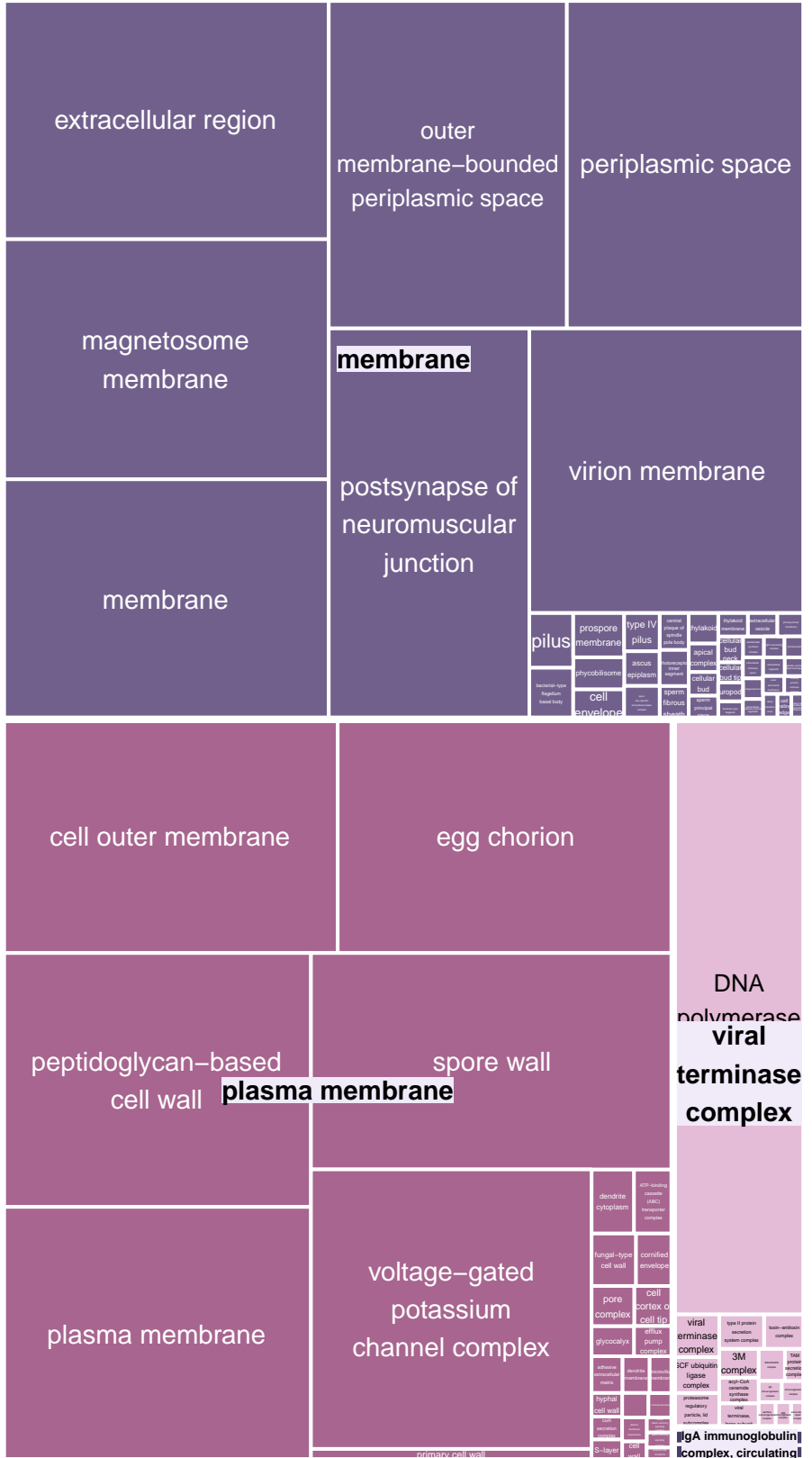
Gastrotricha CC TreeMap



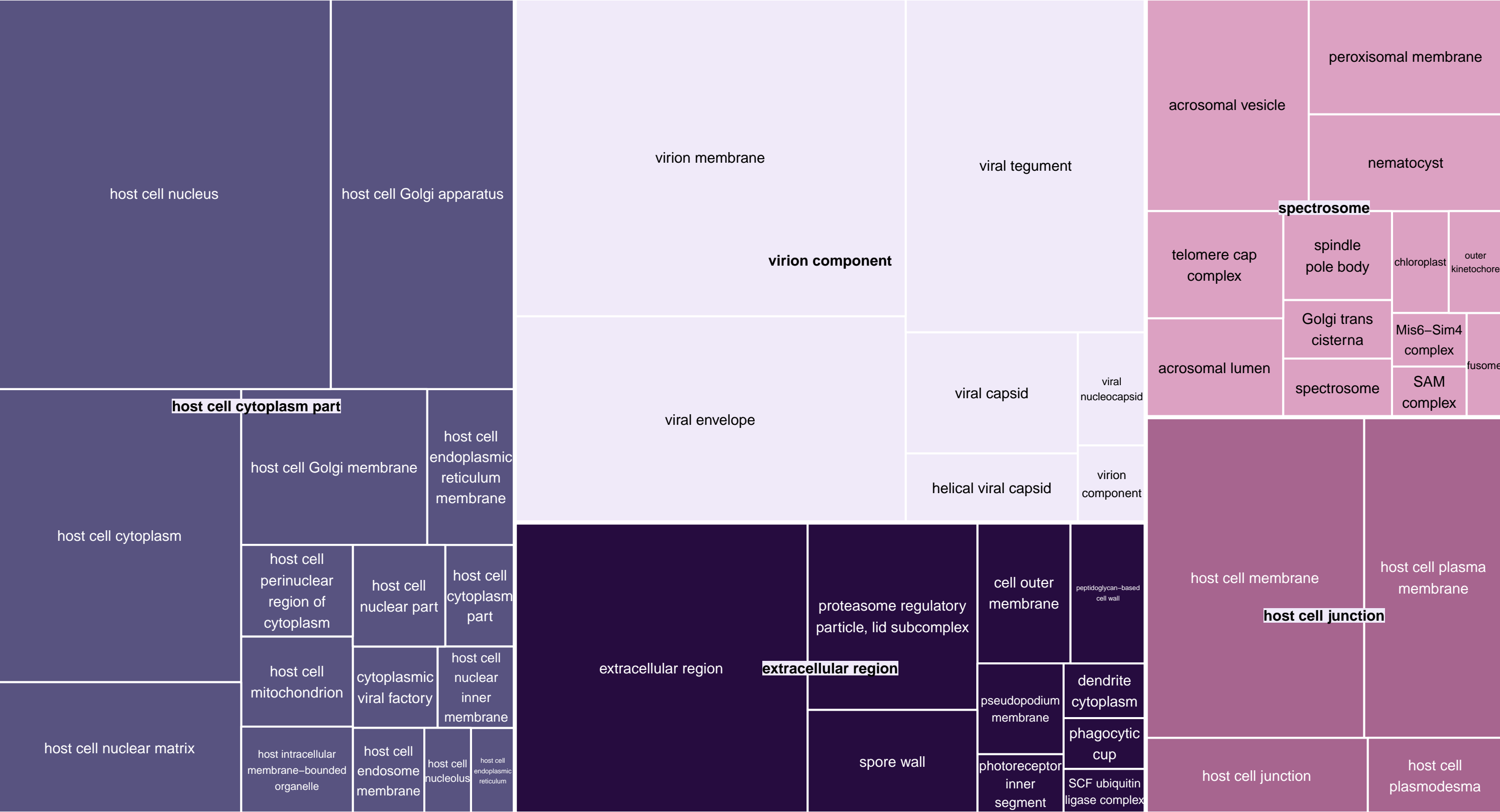
## Hemichordata CC TreeMap





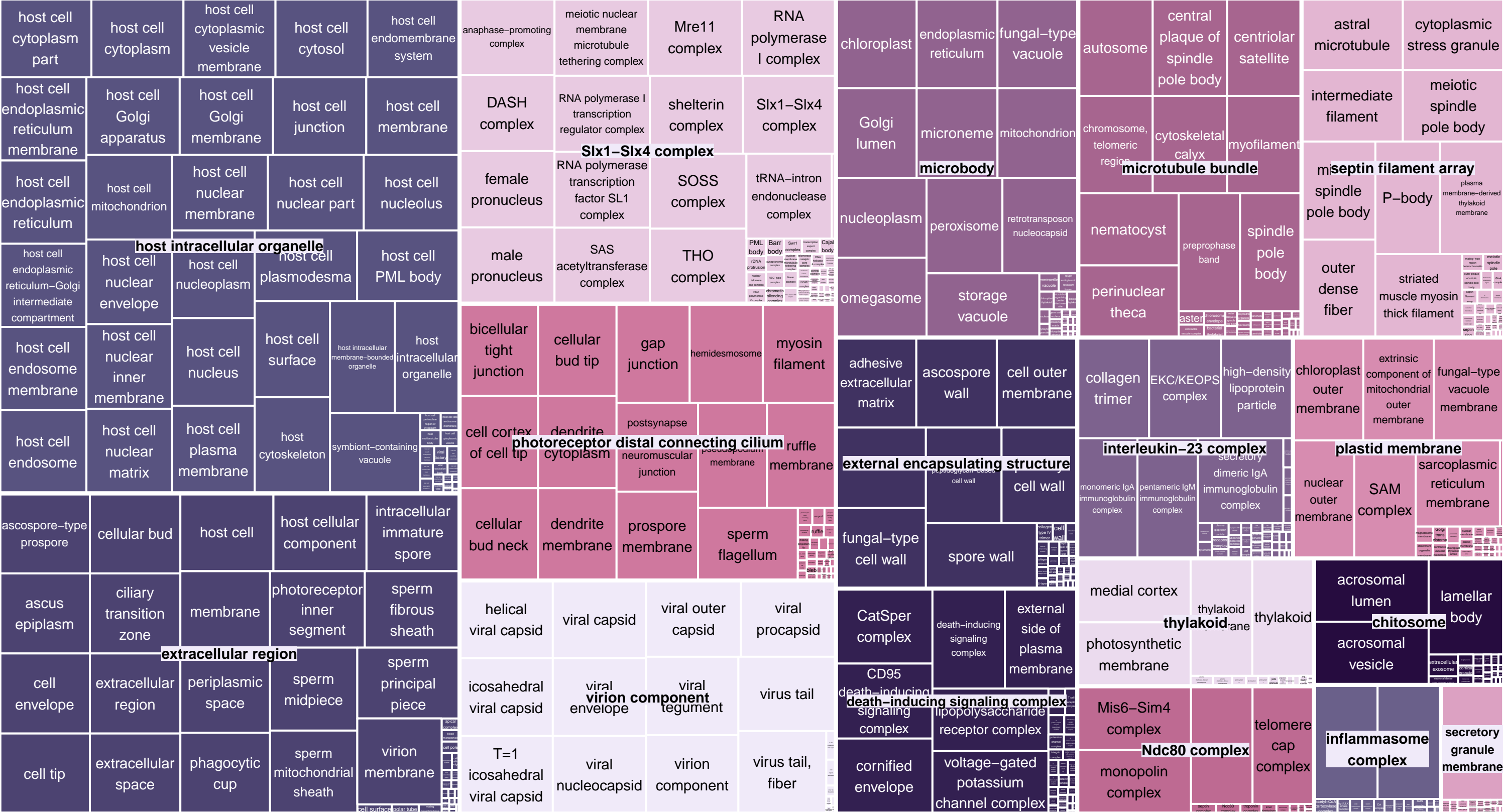
[illegible]

Micrognathozoa CC TreeMap

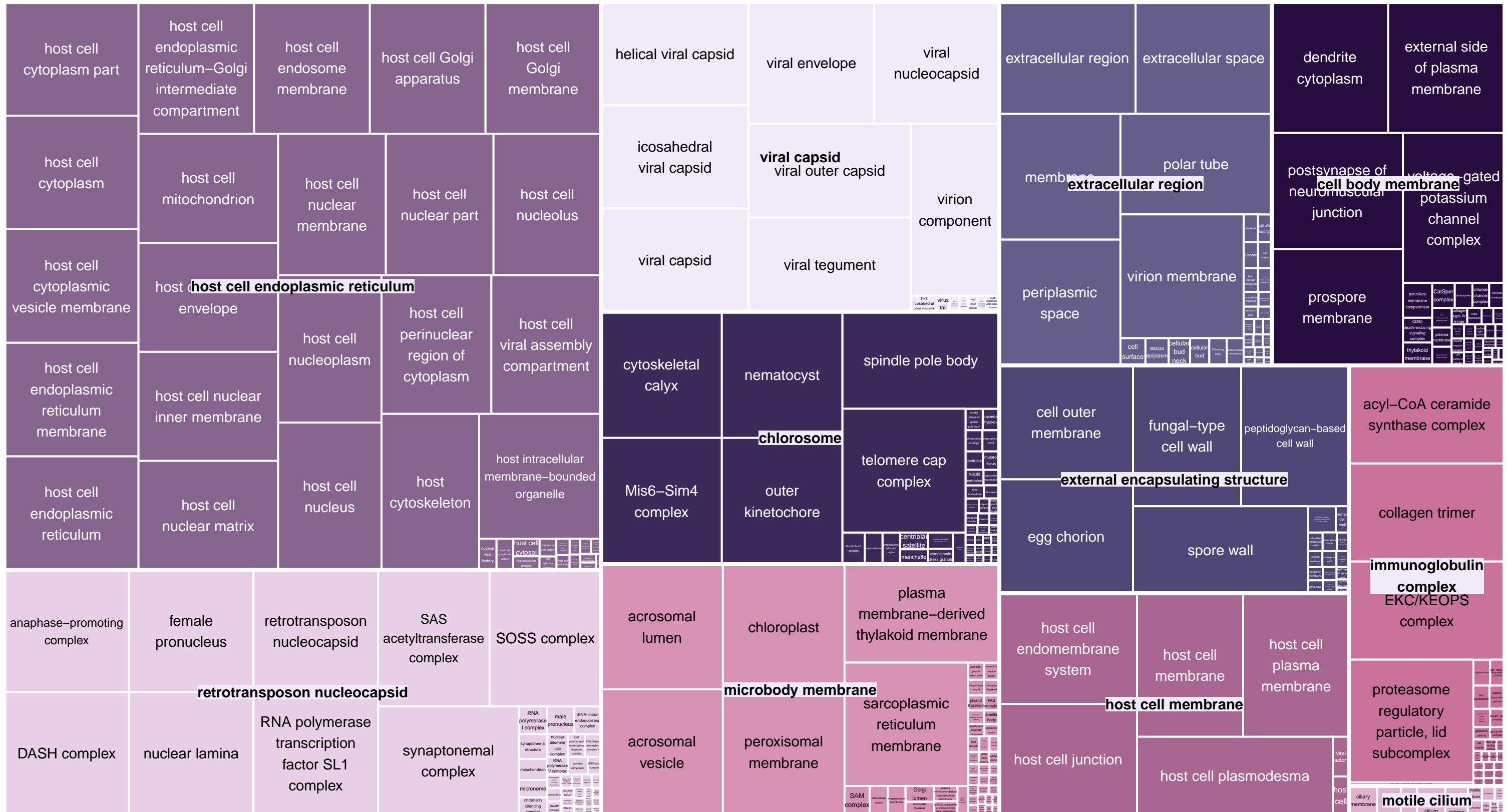




Mollusca CC TreeMap

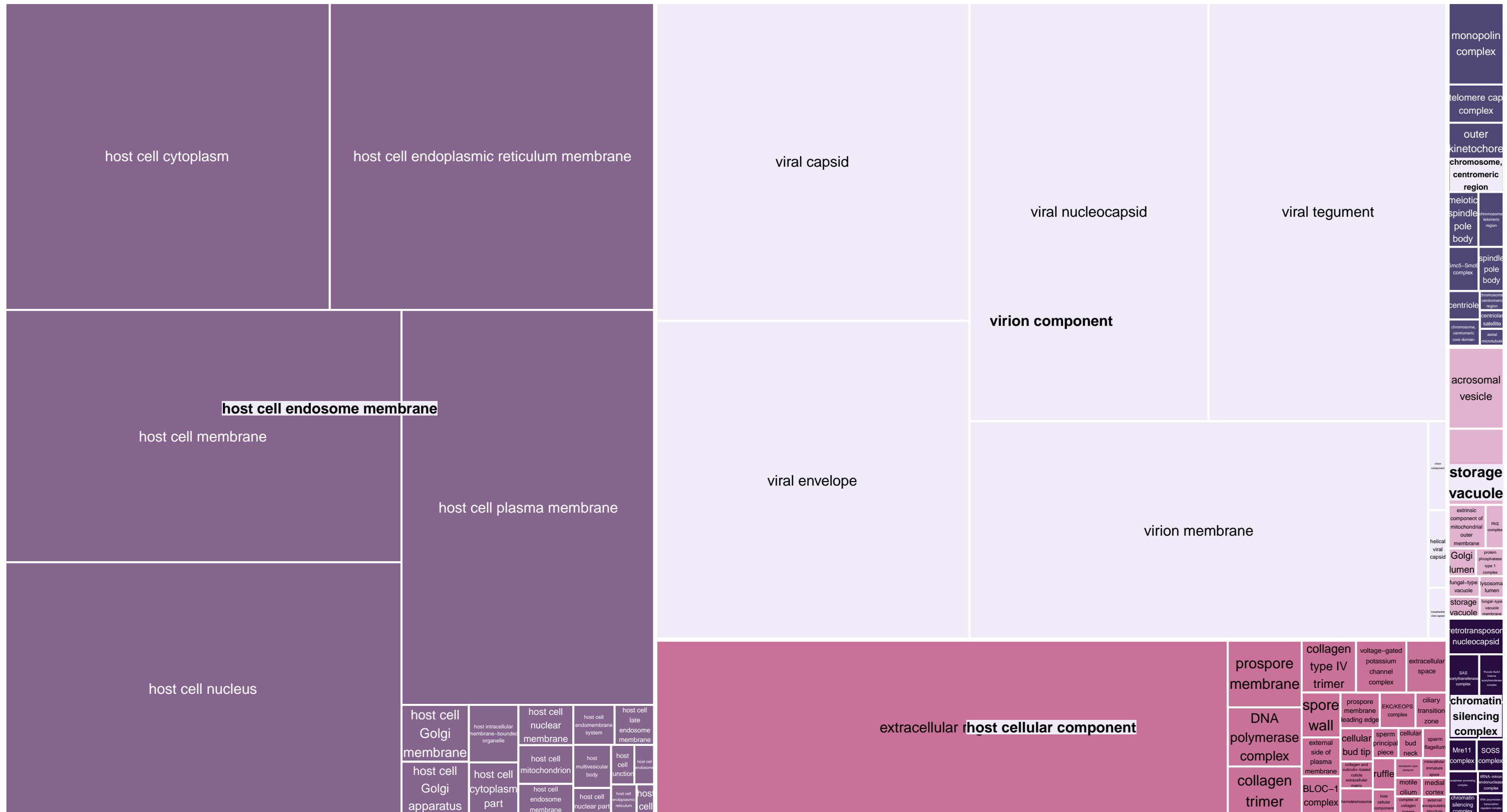


Nematoda CC TreeMap

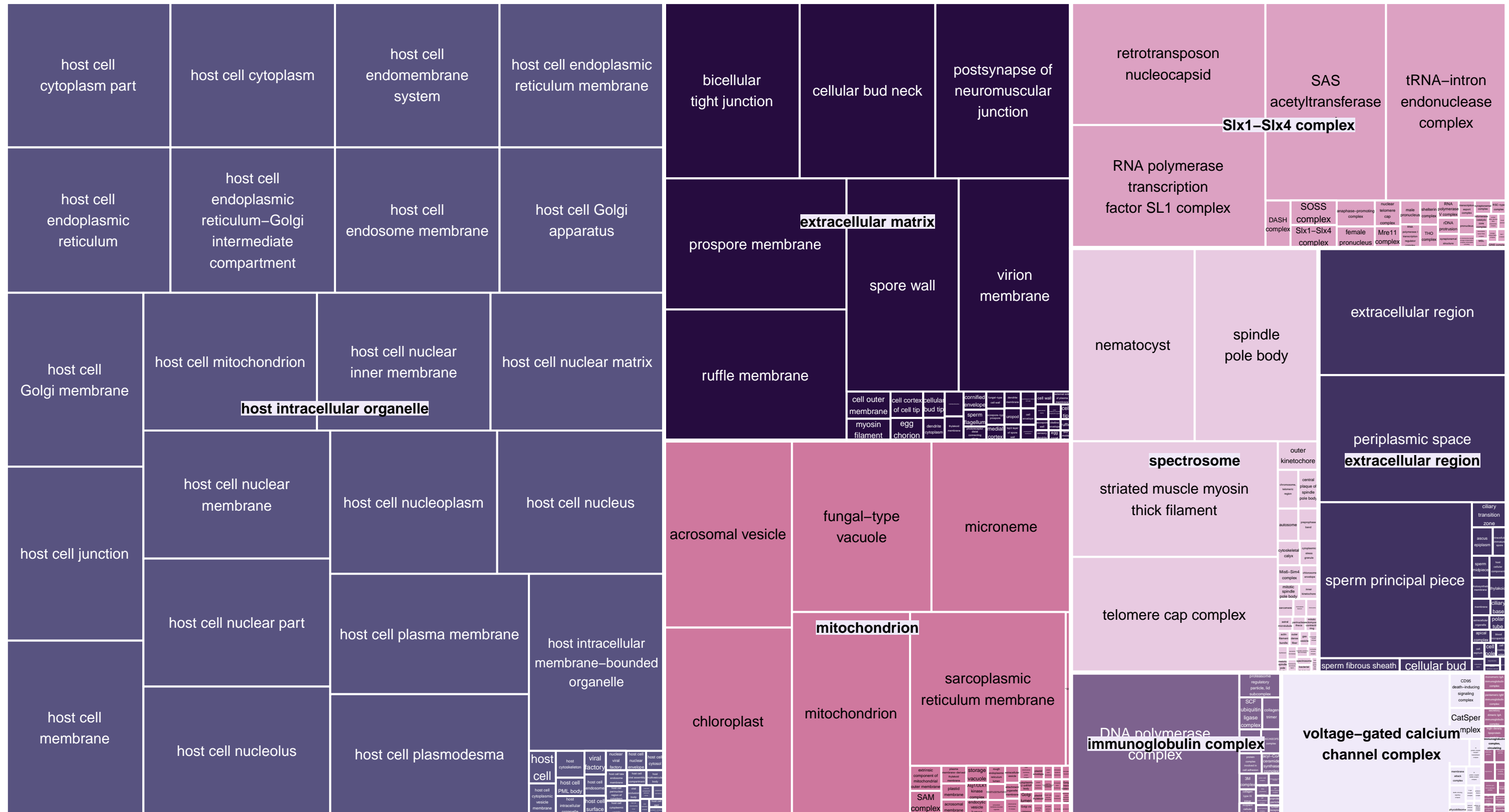




## Nematomorpha CC TreeMap



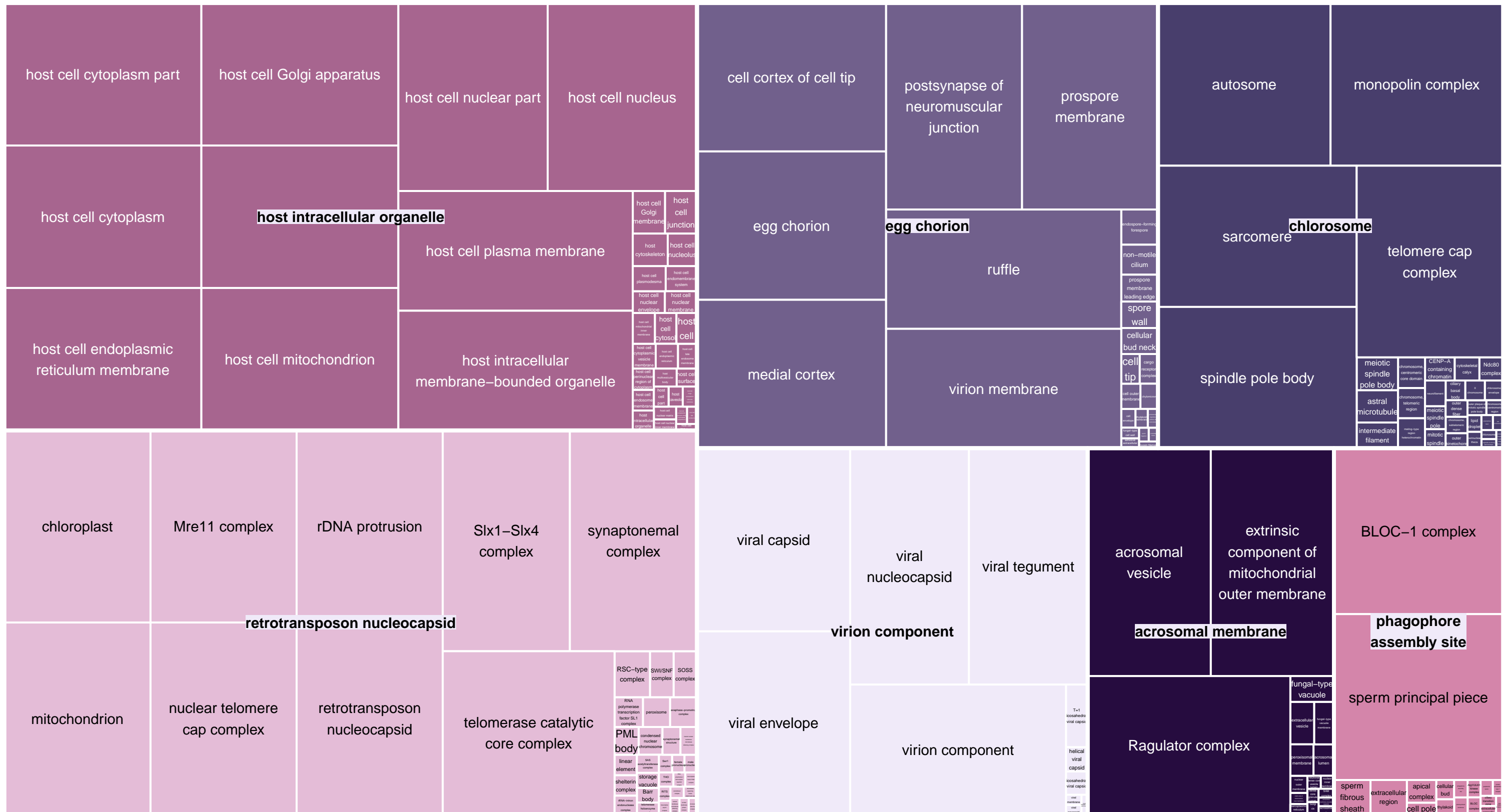
## Nemertea CC TreeMap





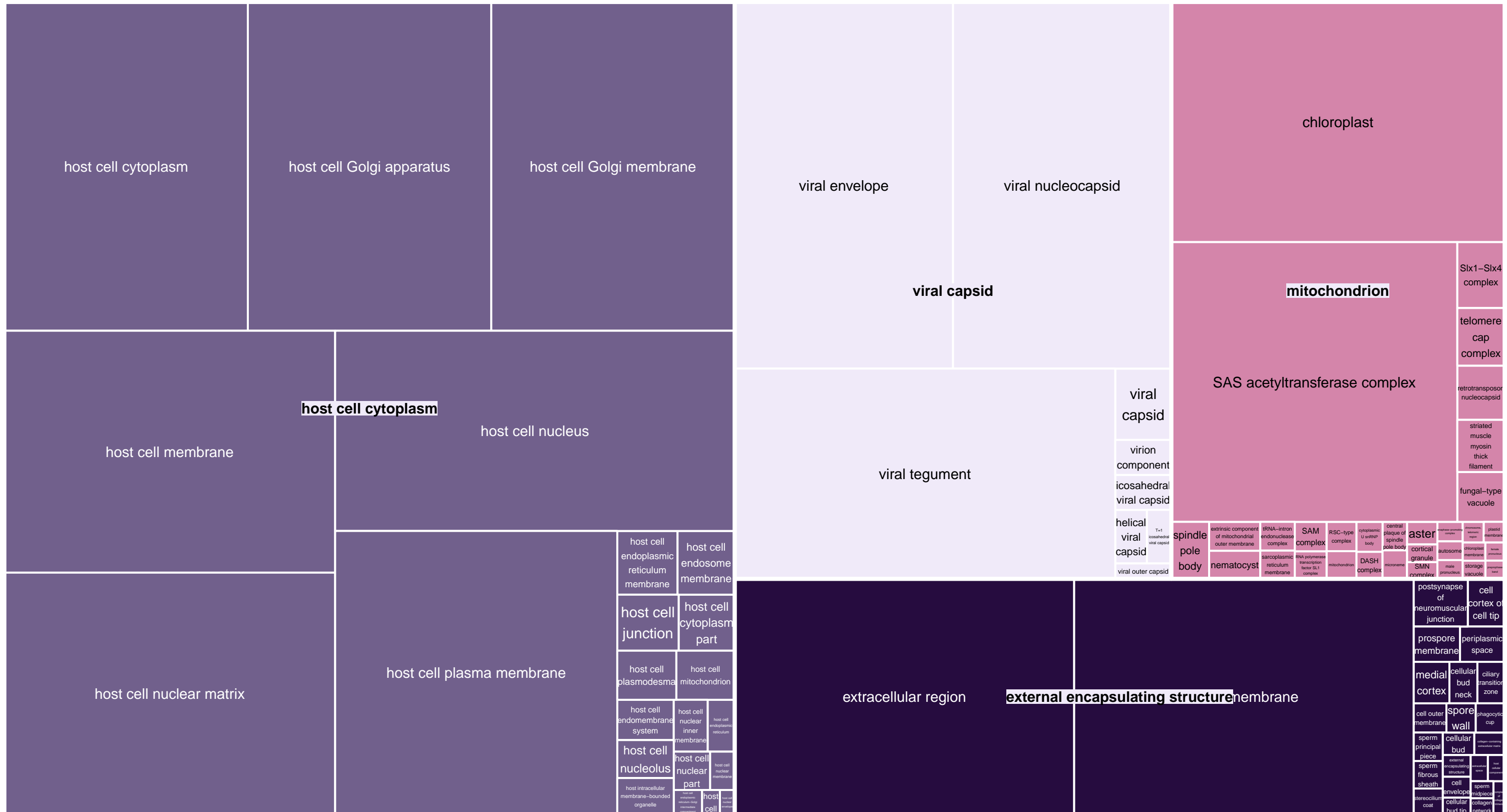


## Onychophora CC TreeMap





## Phoronida CC TreeMap





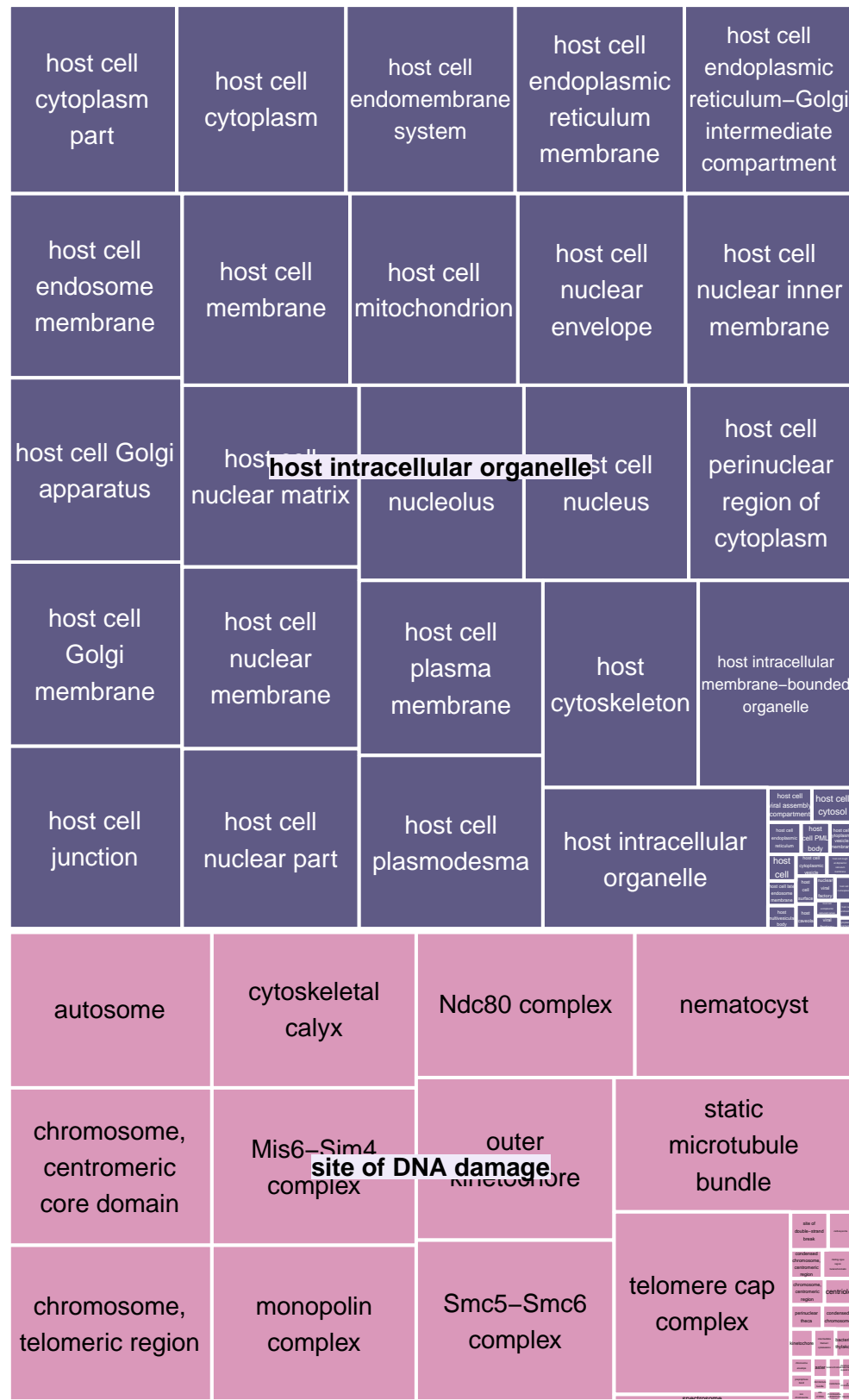
Placozoa CC TreeMap



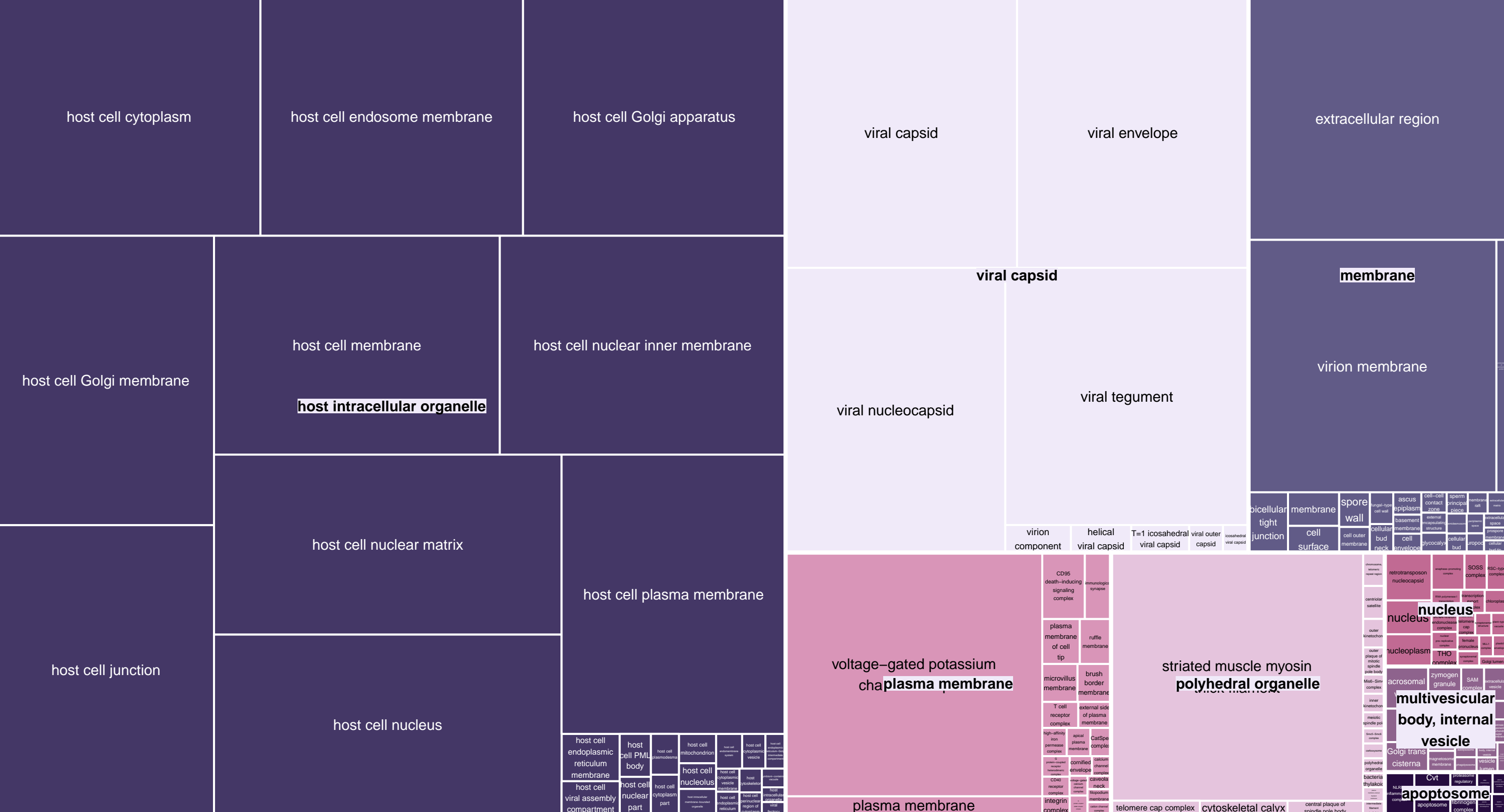
This treemap visualization displays a hierarchical structure of protein complexes and cellular components. The data is organized into a grid of colored rectangles, where the size of each rectangle represents the relative frequency or abundance of the corresponding entity. The color palette is a gradient from dark purple to light pink, with darker shades generally indicating higher frequency.

**Key Entities and Structures:**

- Condensed nuclear chromosome** (Top left, dark purple)
- linear element** (Top left, medium purple)
- RNA polymerase transcription factor SL1 complex** (Top center, medium purple)
- cell outer membrane** (Top right, dark purple)
- cornified envelope** (Top right, dark purple)
- DASH complex** (Middle left, medium purple)
- Shl1-Slx4 complex** (Middle left, medium purple)
- synaptonemal complex** (Middle center, medium purple)
- external side of plasma membrane** (Middle right, dark purple)
- phagocytic cup** (Middle right, dark purple)
- thylakoid membrane** (Middle right, dark purple)
- fibrillar center** (Bottom left, medium purple)
- Shl1-Slx4 complex** (Bottom left, medium purple)
- synaptonemal structure** (Bottom center, medium purple)
- prospore membrane leading edge** (Bottom right, dark purple)
- virion membrane** (Bottom right, dark purple)
- helical viral capsid** (Lower middle left, light purple)
- viral capsid** (Lower middle left, light purple)
- viral envelope** (Lower middle right, light purple)
- icosahedral viral capsid** (Lower middle left, light purple)
- viral nucleocapsid** (Lower middle left, light purple)
- viral tegument** (Lower middle right, light purple)
- T=1 icosahedral viral capsid** (Lower middle left, light purple)
- viral outer capsid** (Lower middle left, light purple)
- virion component** (Lower middle right, light purple)
- cis-Golgi network membrane** (Lower right, dark purple)
- PAS complex** (Lower right, dark purple)
- peroxisomal membrane** (Lower right, dark purple)
- plastid membrane** (Lower right, dark purple)
- extrinsic component of mitochondrial outer membrane** (Lower right, dark purple)
- SAM complex** (Lower right, dark purple)
- CENP-A recruiting complex** (Lower right, dark purple)
- collagen trimer** (Lower right, dark purple)
- EKC/KEOPS complex** (Lower right, dark purple)
- protein-lipid complex** (Lower right, dark purple)
- aggresome** (Bottom left, medium purple)
- Cvt complex** (Bottom left, medium purple)
- photosynthetic membrane** (Bottom center, medium purple)
- RAVE complex** (Bottom center, medium purple)
- phagophore assembly site** (Bottom center, medium purple)
- BLOC-1 complex** (Bottom left, medium purple)
- phagophore assembly site membrane** (Bottom left, medium purple)
- thylakoid** (Bottom center, medium purple)
- basement membrane** (Bottom right, dark purple)
- collagen trimer** (Bottom right, dark purple)
- spore wall** (Bottom right, dark purple)
- extracellular matrix** (Bottom right, dark purple)



# Porifera CC TreeMap

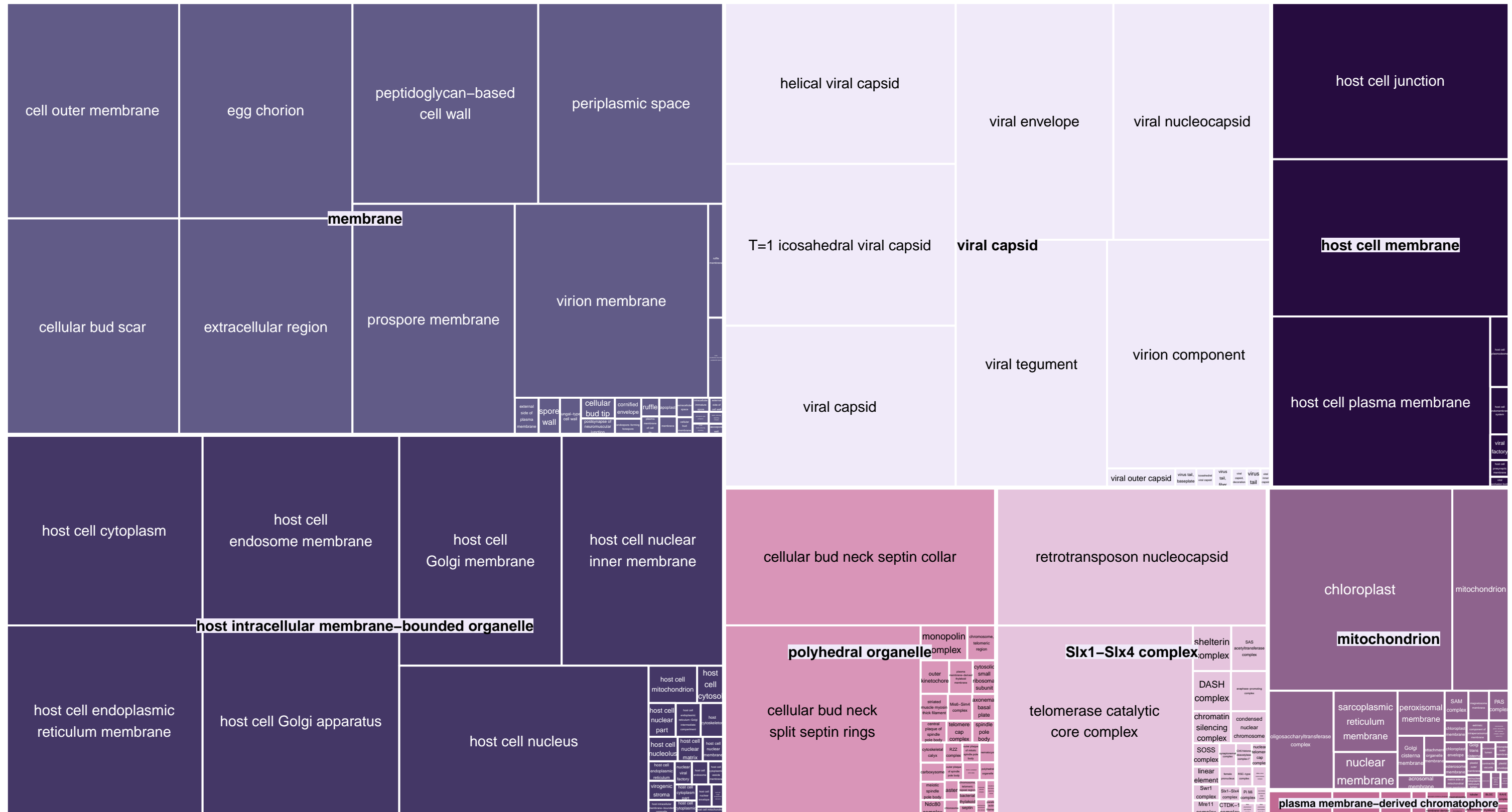




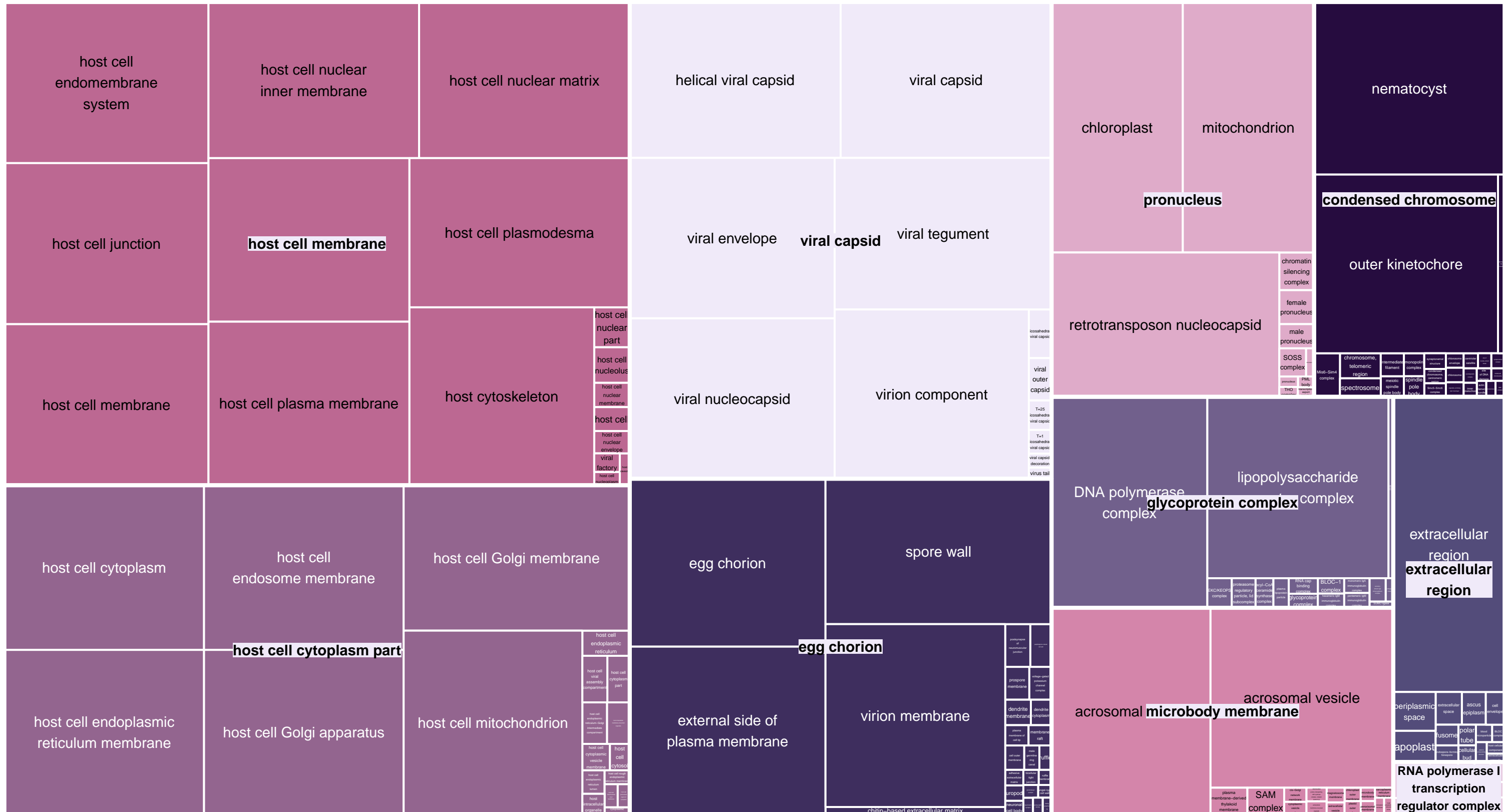
## Priapulida CC TreeMap



## Rotifera CC TreeMap

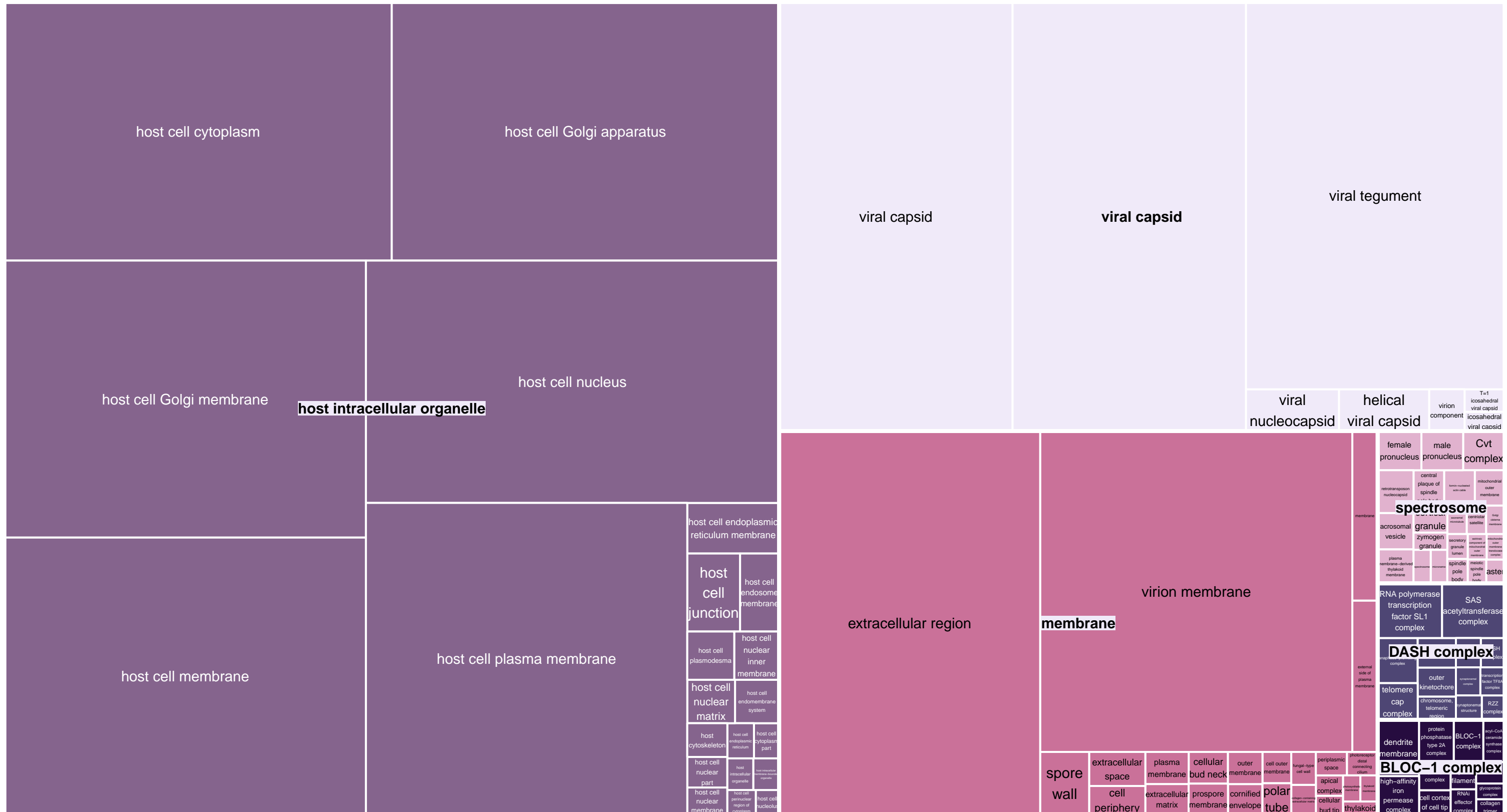


## Tardigrada CC TreeMap





## Urochordata CC TreeMap



Xenoturbellida CC TreeMap

