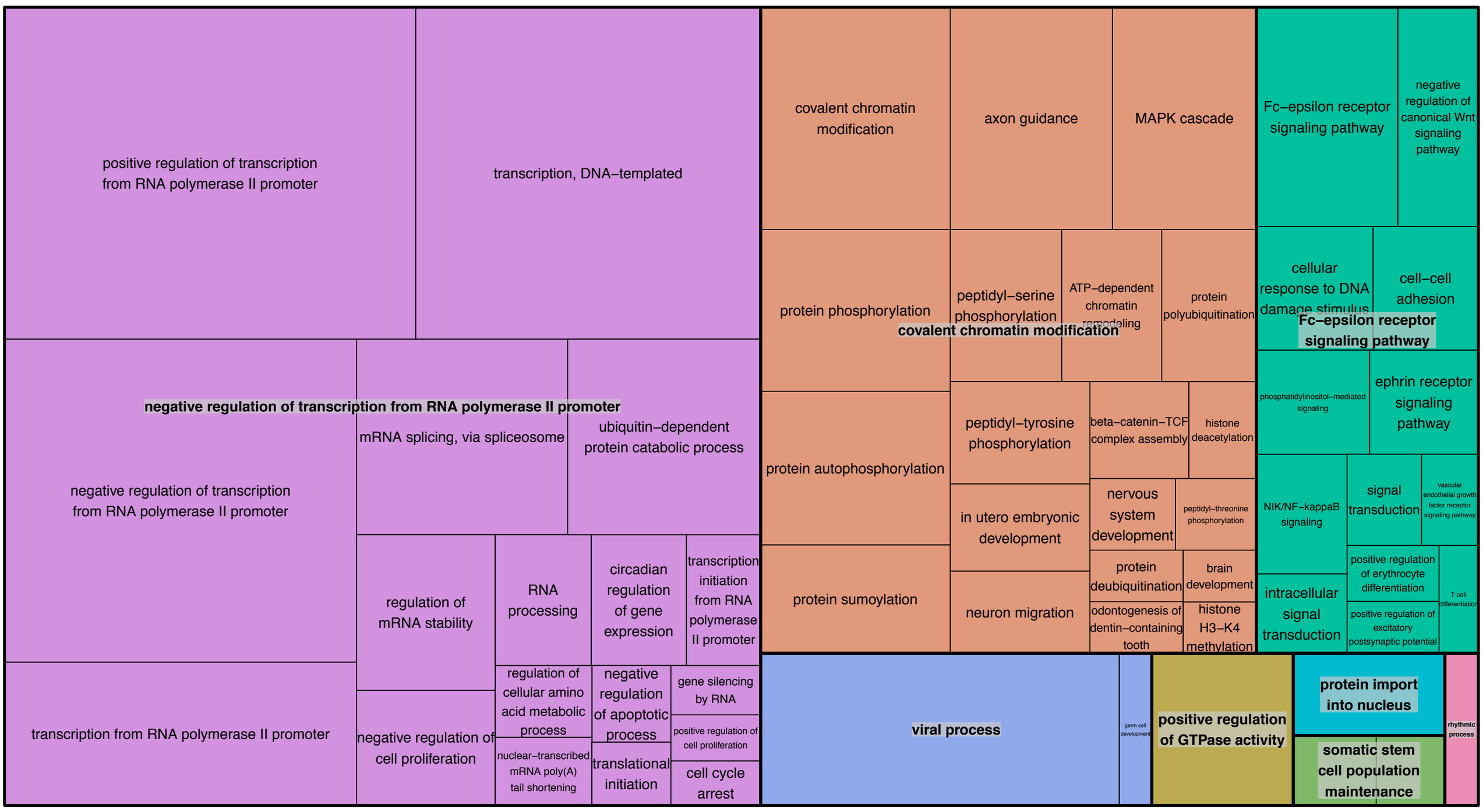
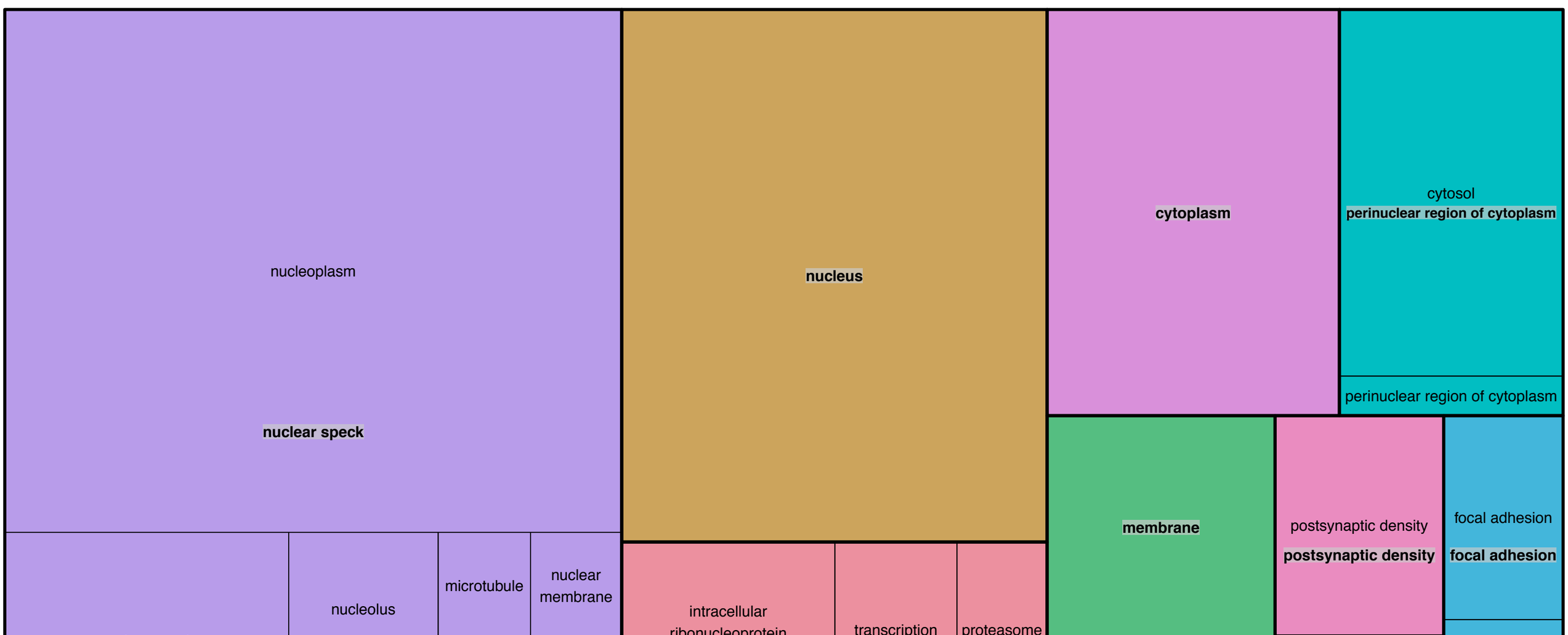
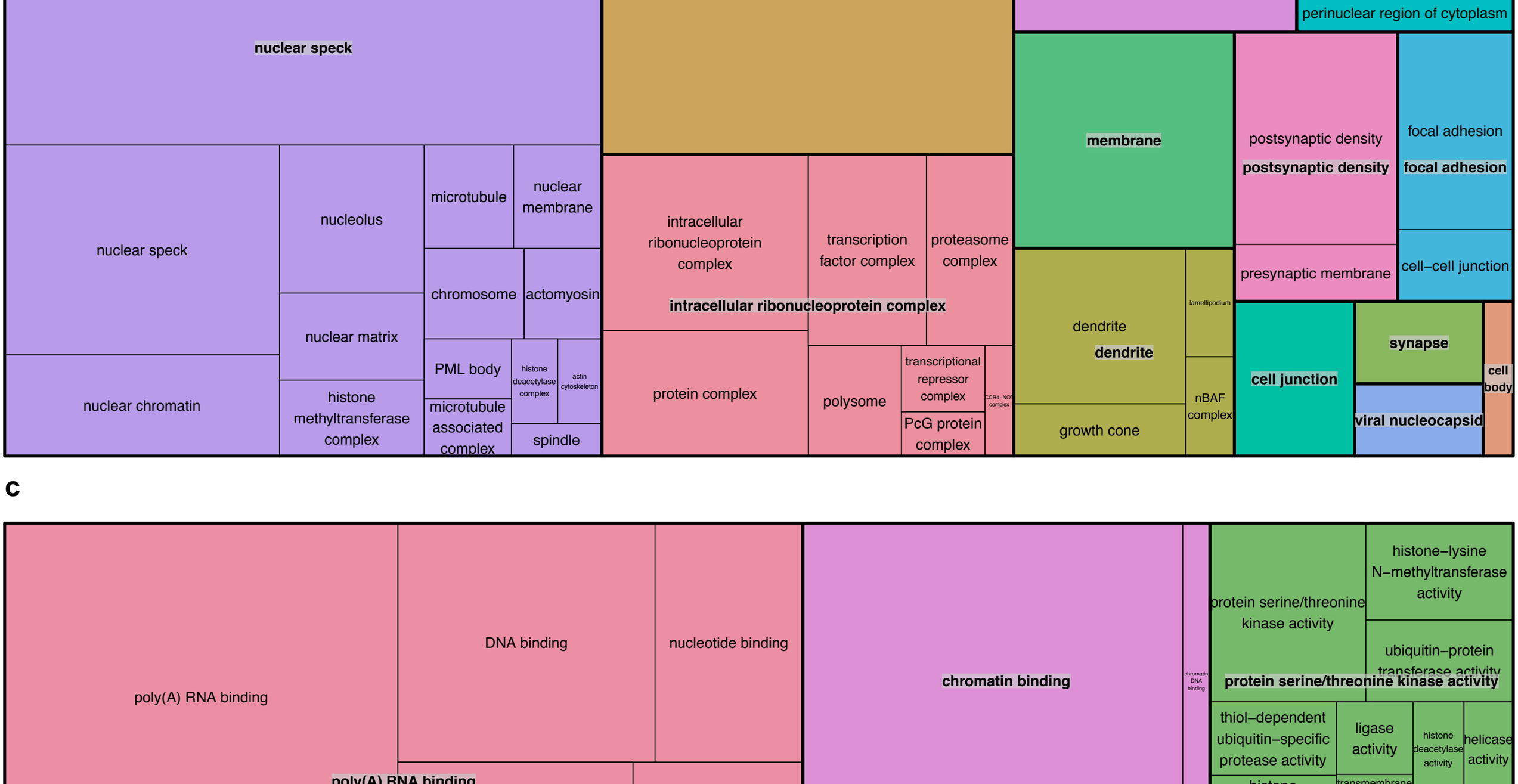
a


positive regulation of transcription from RNA polymerase II promoter
transcription, DNA–templated
negative regulation of transcription from RNA polymerase II promoter
negative regulation of transcription from RNA polymerase II promoter
mRNA splicing, via spliceosome
ubiquitin–dependent protein catabolic process
transcription from RNA polymerase II promoter
regulation of mRNA stability
RNA processing
circadian regulation of gene expression
transcription initiation from RNA polymerase II promoter
regulation of cellular amino acid metabolic process
negative regulation of apoptotic process
gene silencing by RNA
negative regulation of cell proliferation
nuclear–transcribed mRNA poly(A) tail shortening
translational initiation
positive regulation of cell proliferation
cell cycle arrest
covalent chromatin modification
axon guidance
MAPK cascade
protein phosphorylation
peptidyl–serine phosphorylation
ATP–dependent chromatin remodeling
protein polyubiquitination
covalent chromatin modification
protein autophosphorylation
peptidyl–tyrosine phosphorylation
beta–catenin–TCF complex assembly
histone deacetylation
in utero embryonic development
nervous system development
peptidyl–threonine phosphorylation
protein sumoylation
neuron migration
protein deubiquitination
brain development
odontogenesis of dentin–containing tooth
histone H3–K4 methylation
Fc–epsilon receptor signaling pathway
negative regulation of canonical Wnt signaling pathway
cellular response to DNA damage stimulus
cell–cell adhesion
Fc–epsilon receptor signaling pathway
phosphatidylinositol–mediated signaling
ephrin receptor signaling pathway
NIK/NF–kappaB signaling
signal transduction
vascular endothelial growth factor receptor signaling pathway
positive regulation of erythrocyte differentiation
intracellular signal transduction
positive regulation of excitatory postsynaptic potential
T cell differentiation
viral process
germ cell development
positive regulation of GTPase activity
protein import into nucleus
somatic stem cell population maintenance
rhythmic process

b


nucleoplasm
nuclear speck
nucleus
cytoplasm
cytosol
perinuclear region of cytoplasm
membrane
postsynaptic density
focal adhesion
nuclear speck
nucleolus
microtubule
nuclear membrane
chromosome
actomyosin
nuclear matrix
PML body
histone deacetylase complex
actin cytoskeleton
nuclear chromatin
histone methyltransferase complex
microtubule associated complex
spindle
intracellular ribonucleoprotein complex
transcription factor complex
proteasome complex
protein complex
polysome
transcriptional repressor complex
CCR4–NOT complex
PcG protein complex
presynaptic membrane
cell–cell junction
dendrite
lamellipodium
growth cone
nBAF complex
cell junction
synapse
cell body
viral nucleocapsid

c


poly(A) RNA binding
DNA binding
nucleotide binding
chromatin binding
chromatin DNA binding
protein serine/threonine kinase activity
histone–lysine N–methyltransferase activity
ubiquitin–protein transferase activity
protein serine/threonine kinase activity
thiol–dependent ubiquitin–specific protease activity
ligase activity
histone deacetylase activity
helicase activity
histone acetyltransferase activity
transmembrane receptor protein tyrosine kinase activity
histone demethylase activity
RNA polymerase II core promoter proximal region sequence–specific DNA binding
core promoter binding
RNA binding
mRNA binding
RNA polymerase II core promoter sequence–specific DNA binding
sequence–specific DNA binding
nucleic acid binding
protein kinase binding
ubiquitin protein ligase binding
transcription coactivator activity
transcription factor binding
zinc ion binding
RNA polymerase II transcription coactivator activity
histone deacetylase binding
protein phosphatase binding
Ran GTPase binding
Ras guanyl–nucleotide exchange factor activity
lysine–acetylated histone binding
beta–catenin binding
protein domain specific binding
protein heterodimerization activity
ion channel binding
GTPase activator activity
protein phosphatase regulator activity
protein C–terminus binding
enzyme binding
SMAD binding
transcription factor activity, RNA polymerase II distal enhancer sequence–specific DNA binding
cadherin binding involved in cell–cell adhesion
histone binding
microtubule binding
phosphatidylinositol 3–kinase binding
p53 binding
protein binding
transcriptional activator activity, RNA polymerase II core promoter proximal region sequence–specific binding
transcription factor activity, sequence–specific DNA binding