Acoela BP TreeMap

								•							
entry receptor-mediated virion attachment to host cell	establishment of integrated proviral latency	fusion of virus membrane with host plasma membrane	intracellular transport of virus	modulation of process of other organism	DNA biosynthetic process	meiotic DNA double-stran break formation	nucleic acid d phosphodiester bond hydrolysis	RNA phosphodiester bond hydrolysis, endonucleolytic	cell wall biogenesis	cell wall organization	killing of cells of other organism	behavioral response to starvation	cell chemotaxis	endothelin receptor signaling pathway	interferon–gamma–mediated signaling pathway
pore formation by virus in membrane of host cell	viral capsid assembly	viral DNA genome packaging	viral DNA genome replication	viral entry into host cell	DNA integration	RNA-depende DNA rec biosynthetic process	ombination nce	RNA-templated	meiotic <mark>Ce</mark> cell cycle	ell activation transposition, RNA-mediated	vesicle-mediated	res	e to water ivation	regulation recepto estrogen recepto signaling pathway	
transport of virus inbiologo cell to cell	viral genome ical process i integration into host DNA	nvolved in sy	mbiotic intera	ction protein processing	DNA recombination	telomere capping	tRNA-type in splice site recognition a cleavage			neutropial activation of transport of transp		pheromone	cellular response to collement properties of the collement	==	shad show worm and head that
viral budding from nuclear membrane	viral genome replication	viral releas	virion	virion attachment to host cell	negative regulat of cytokine production involv in inflammator response	positive regulation interleukin productio	n of regulation of regulation of interleukin–1	positive f regulation of	negative regulation of glycogen catabolic process negative	negative regulation phosphate activity	n of trans	ansport cytoplasm to v	racuole	positive regulation of attachment of spindle microtubules teregulation of phase of a	y
viral budding via host ESCRT complex	viral life cycle	viral transcriptio	sidection of vertices, vertical to provide the symbol of t		production positive regulat	positive regulation interleukin-	positive proof	gulation of cytokine oduction involved in ammatory response	re regulation regulation reactivity positive	phosphory of STAT pr	on setab	otic sister	an neonanee	regulation of mast cell activation subtelomeric	DAN CONTROL OF THE PROPERTY OF
modulation by virus of host apoptotic process	suppression by virus of host apoptotic process	suppression by virus of host IRF3 activity	by virus of	suppression by virus of host MDA-5 activity		e production ing on		protein	regulation of peptidyl-tyrosic phosphorylation cellular bud	Positive again. In the control of th	estab	romatid homologou chromosom	sister peromatid hesion r	assembly pression by egulation of etic imprinting	regulation of myeloid cell differentiation
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suppression by virus of G2/M transition of host mitotic cell cycle	suppression by virus of host innate immun response	suppressio	DST Repression Repress	way signaling pathway	antibiotic biosynthetic process	nitrogen fixation	terpenoid biosynthetic proce mevalonate-depen		polymeriza	tion with the second se	spern	rmation	sys		biomineral muscle tissue system development process

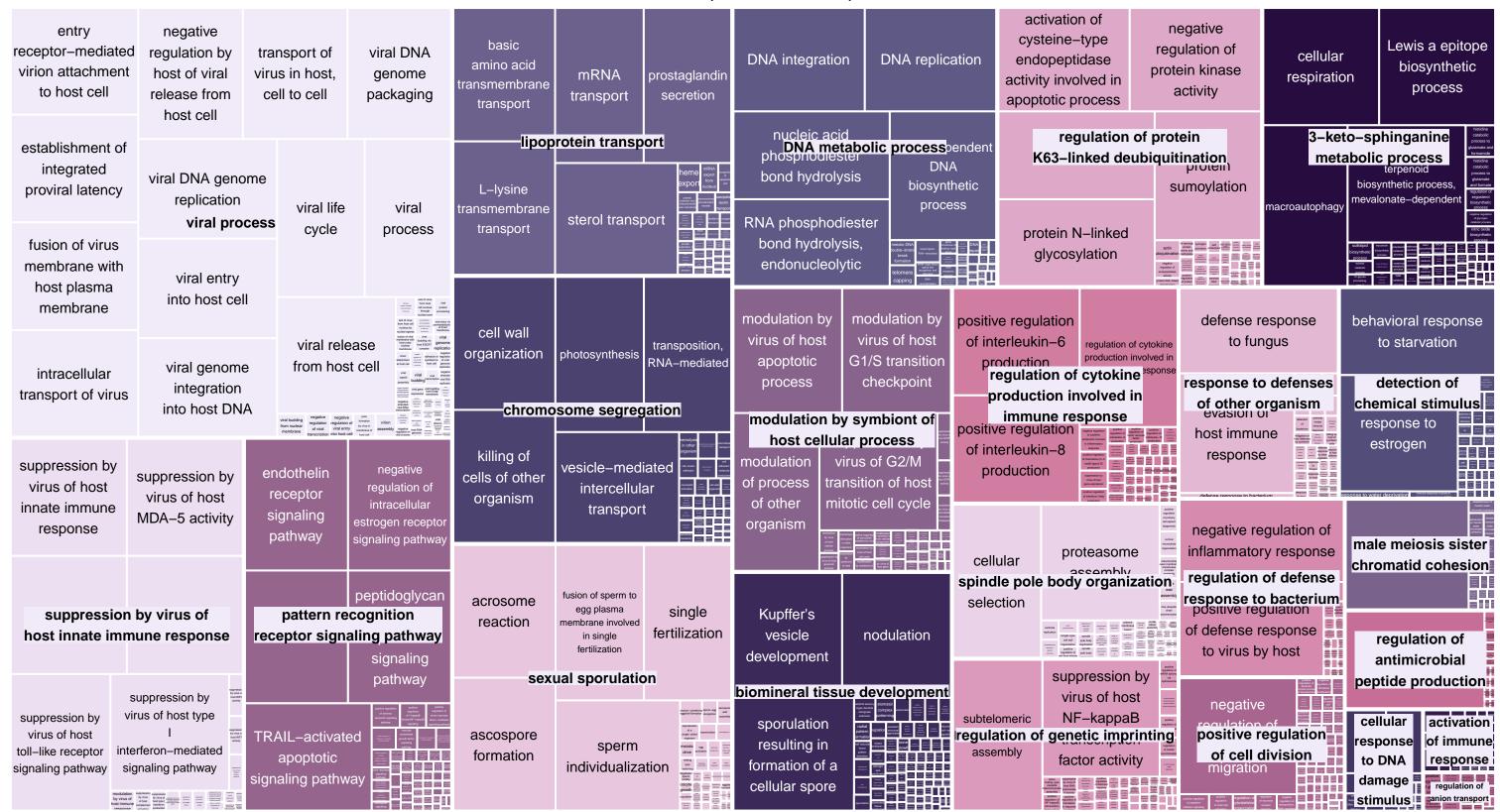
Annelida BP TreeMap

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Arthropoda BP TreeMap

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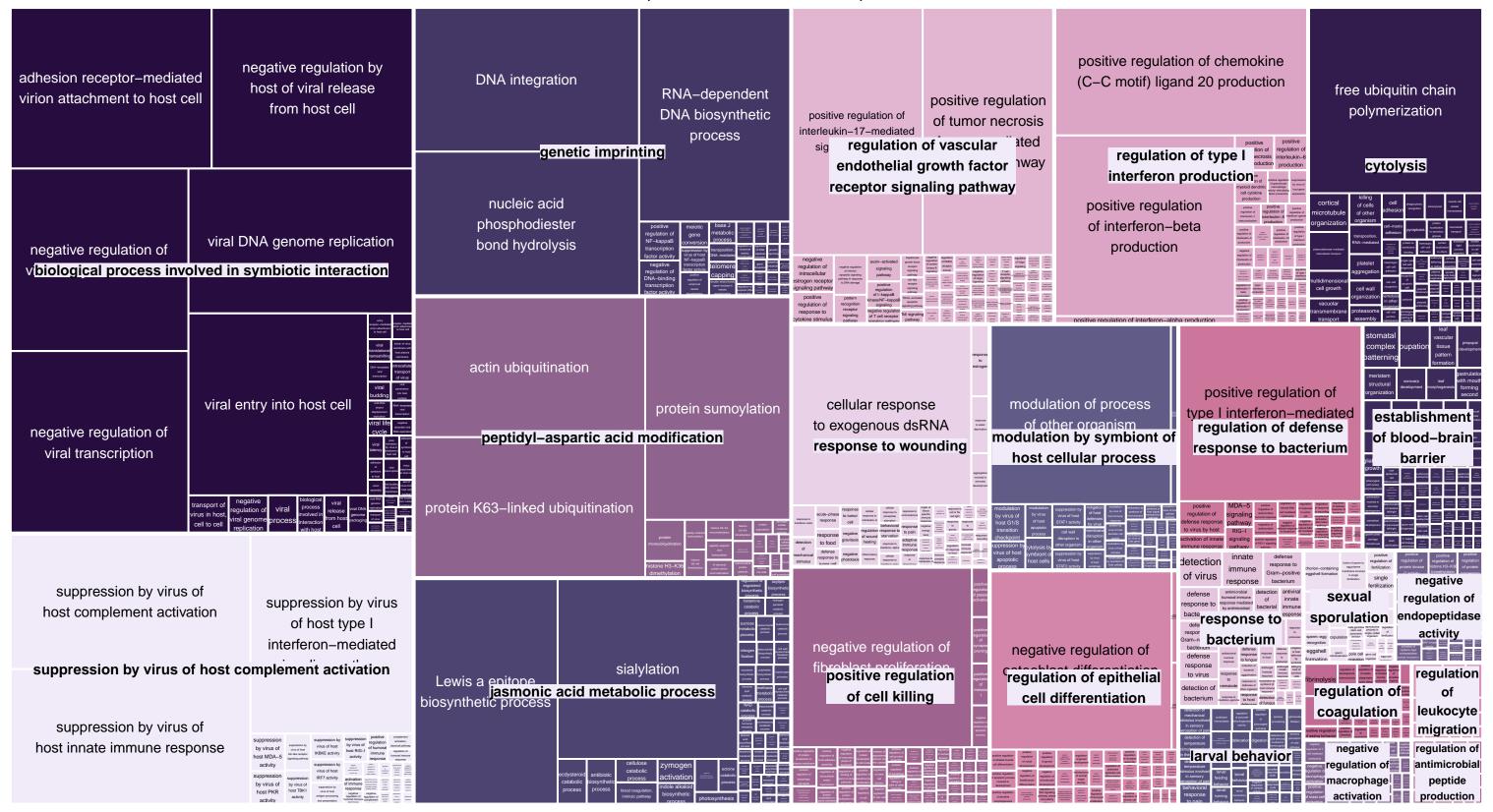
Brachiopoda BP TreeMap



Bryozoa BP TreeMap

adhesion receptor–mediate virion attachmer to host cell	trans	port ^{vi} rus ⁹	genome	viral DNA genome replication	viral entry into host cell	cAMP-mediated signaling	negative regulation of intrinsic apoptotic signaling pathway in response to DNA damage	neuropeptide signaling pathway	activation of adenylate cyclase activity	anesthesia-resistant memory	cellular bud site selection	free ubiquitin chain polymerization	modulation by virus of host apoptotic process	modulation by virus of host cellular process
entry receptor-mediate virion attachmer to host cell	nt membr	mation us in ane of	viral genome		viral		ttern recognitio			bitter taste	mitochondrial outer membrane translocase complex regulation	positive regulation of centriole on of cell	modulation by virus of host G1/S transition chemodulation	
establishmen of integrated	transp	viral pro	ocession nto host DNA	viral process	release from host cell	pathway negative regulation of		signaling pathway	medium-term memory	olfactory learning	septum a positive regulation of	spindle	of host modulation of process of	suppression by virus
proviral latency fusion of viru	cell to		viral life	virion attachmer	THE STATE OF THE S	intracellular estrogen receptor signaling pathway	of MAPK .				cilium assembly proteasome	duplication	other organism suppression by virus of G2/M	of host autophagy
membrane wi host plasma membrane	ith from ni memb	uclear	cycle	to host ce	regulation of viral assessment where there are a supposed to the supposed to t	negative regulation of glycogen catabolic	negative regulation of receptor	positive regulation of mRNA splicing,	of catalytic activity	behavioral	assembly negative	positive	transition of host mitotic cell cycle	1
	_	positive regulation of	in inflamm	ine nvolved of c	sitive regulation hemokine (C–C notif) ligand 1	process negative regulation of	positive	via spliceosome	response to ethanol	response to starvation	migration	regulation of apoptotic process	Kupffer's vesicle development sporulation	spore wall assembly resulting in
	nacrophage i chemotaxis	nflammatory response	respon positive reg	se ulation pos	production sitive regulation of granulocyte	activity	n of genetic im respiratory burst	PPINTING	response to wa to desiccation		negative coregulation of T	f cell killing of neuronal synaptic	formation of a	cellular spore resulting in ormation of a
	by virus of	suppression by virus of	motif) liga product	nd 20 cold ion fac	ony–stimulating ctor production	negative regulation of protein kinase	suppression by virus of host NF-kappaB transcription			Celidar salar a sa s	cell apoptotic process	plasticity	dial growth	cellular spore
complement actival <mark>regula</mark>	immune		regulation positive p	on of re tive regula	positive equiation of ation of 1-13	activity DNA integration	factor activity meiotic DNA double-strand	nucleic acid	estrogen	No control C	actin ubiquitination mannoprotein me	peptidyl-cysteine S-nitrosylation etabolic process	keratinization	proliferation involved in immune response
suppression suppre	suppression by virus of	suppression by virus of	product positive regulation	e positi	production ive regulation nterleukin-8	DIVA IIILEGIALION	break formation	bond hydrolysis	acrosome reaction	ascospore formation	nitric oxide biosynthetic process	nitrogen fed fraction for the first fed fraction	biomineral tissue development	costimulation
host MAVS activity	host PKR activity	host RIG-I activity	interleuki producti	n-5 p	roduction	DNA DN recombination	RNA-depende A recombination DNA biosynthe process	transcription,	fusion of sperm to egg plasr sexual sp involved in single	orulation spermatogenesis	cell wall		morphogenesis	of mast cell activation
suppression by virus of host MDA–5 activity	suppression by virus of host typ I interferon-media signaling pathwa	e special of the spec	regulation interleuki	producti n of inflamma	on of cytokine ion involved in atory response	via Horriologous	telomere capping		fertilization male courtship behavior		•	cycle transport	evasion of response t	regulation of chondrocyte differentiation
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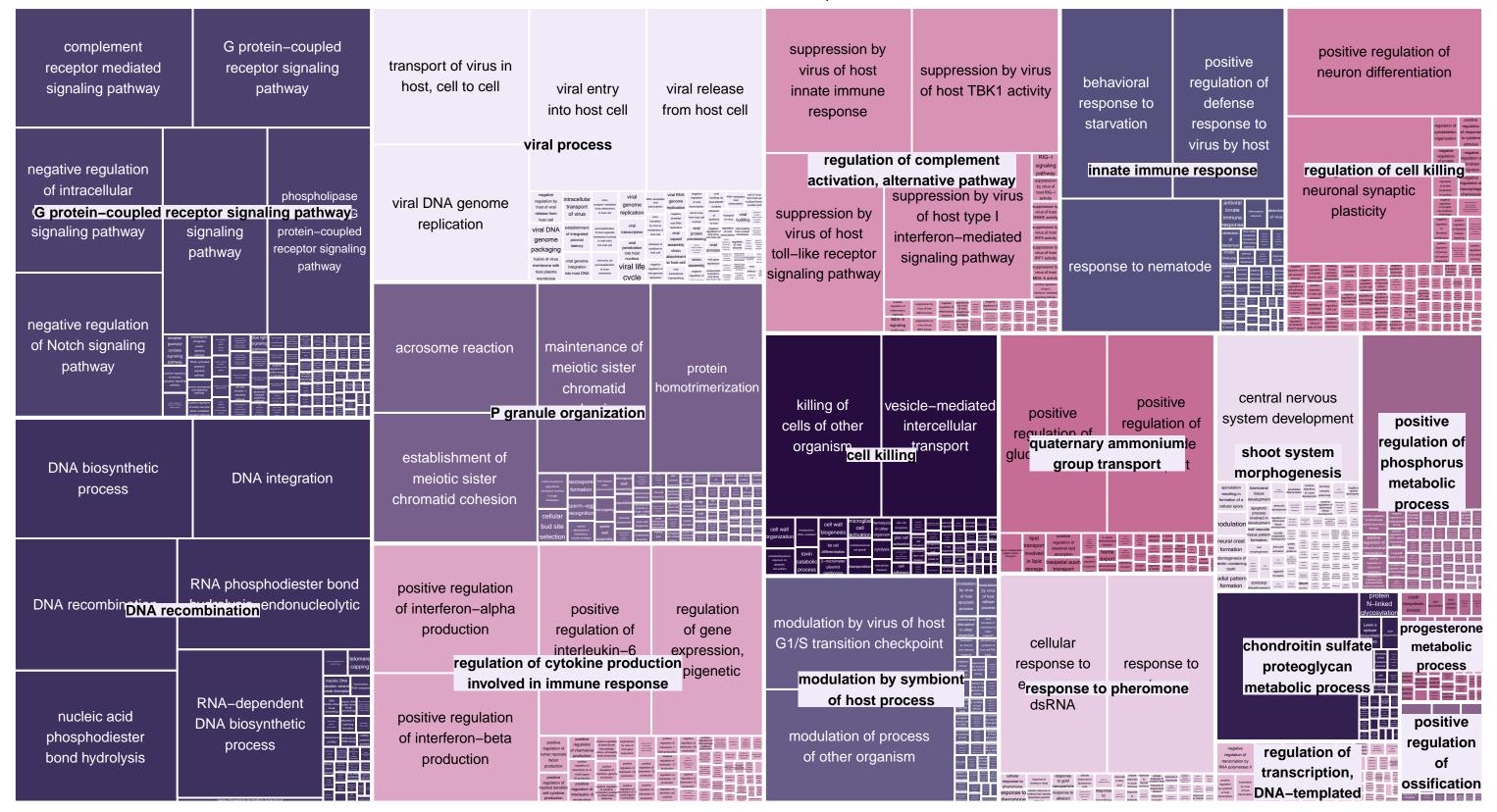
Cephalochordata BP TreeMap



Chaetognatha BP TreeMap

							3		•							
viral DNA replication	intracellular transport of virus	microtubule-dependent intracellular transport of viral material towards nucleus	pore formation by virus in membrane of host cell	transport of virus in host, cell to cell	DNA double-strand break processing involved in repair via synthesis-dependent strand annealing	meiotic DNA double-strand break formation	d phosphodiester bond hydrolysis	acrosome reaction	ascospore formation	bicoid mRNA localization	endothelin receptor signaling pathway	negative regulation of intracellular estrogen recep signaling pathy	of peptidogly recognition p signaling pat	ycan of host	modulation by virus of host cellular process	modulation by virus of host G1/S transition checkpoint
DNA-templated viral transcription	viral budding from Golgi membrane	viral DNA genome replication	viral entry into host cell	viral genome integration into host	DNA	RNA-dependent DNA NA recombina process		fusion of sperm to egg plasma membrane invol SP in single fertilization	ermatogenes	regulation of sis)ole plasm oskar mRNA localization	hydrog	positive en peroxide gnaling pat response X-ray	e mediated hway	otic of ho	lation by syn	nbiont of rus
receptor-mediated virion attachment to host cell establishment of integrated		viral life	viral process	viral release from host	DNA recombination	telomere capping	transcription, RNA-templated	male germline stem cell symmetric division	spermatogon cell division	regulation of type many	involved in conjugation	endothe	ctor	host apoptot	virus of h	on by
proviral latency fusion of virus membrane with	viral DNA genome	viral penetration into host		sharm of manufacture property of the control of the	positive regulation of defense response to virus by host	suppression by virus of host MDA-5 activity suppression		biomineral tissue development	bone mineralization	nodulation	aerobic respiration	cell wall organization	killing of cells of other organism	anaphase–promoting complex–dependent catabolic process	ntidyl-cysteine -nitrosylation	positive regulation of cysteine-type endopeptidase activity involved in execution phase of apoptosis
host plasma membrane behavioral response to starvation	cellula response	regi	gative ulation re	virial companies in the companies of the	suppression by virus of host antigen proce SU and presentatior peptide antigen via def class I	ppression of enses by syn activity	virus of host host re receptor biontng pathway suppression by virus of host type	biominera calcification	complex patternin		ohotosynthes	cytolysis IS transposition, RNA-mediated	vesicle-mediated intercellular transport	negative pregulation of histone K6:	protein degra 3-linked path quitination protein	dation wway
cellular response to osmotic stress	cellular respons to wate	e regul	gative lation of position, o	with zygote positive regulation f acrosome	suppression by virus of host innate immune response		interferon-mediated signaling pathway was the standard of the	sorocarp developmen	prints of prints of the control of t		plasmodesmata-mediat intercellular transport	2-mico	negative	keratinization C		sitive regulation f interleukin–6 production
fever ge <mark>regulatio</mark> r	positive regul of detection of appetite involved in se perception of	ation of pos pos pos nsory spindsteeped	psitive regulem cell proli	E	negative regulation of ribosomal protein gene transcription by RNA polymerase	translation in response to stress	NF-kappaB transcription factor activity		organization	positive regulation of centrosome budglication	piosynthetic b	iosynthetic o	regulation of glycogen catabolic process	cell competion	organism	positive regulation of cytokine production
response to estrogen	cellular response to cold	ribonucleosic reducta	lation of tempe de-diphosphate homec ase activity	erature cellular glucose ostasis homeostasis	regulation of regulation o by RNA polymerase II	transcriptio	athetic process I from RNA polymerase I promoter	p spindle p oassembly	phragmoplast microtubule organization	pole body	nitric 1,6–l bios) meta process	bisphospha bolic proce phosphatase activity	ss _{terpenoid}	sporulation resulting in formation of a cellular spore	a mulicalitar organizin spore wall ssembly and state spore wall ssembly and state spore wall ssembly and state spore spore wall ssembly and state spore spor	gulation of cytokine duction involved in ammatory response
response to water deprivation	behavior entre to the control of the	ene	ergy ostasis equation of saliva escretion of	stasis	positive regulation of mRNA splicing via spliceosome	transcription elongation fro RNA polymera I promoter	Positive regulator of synchron of DNA regulator of synchron of SNA regulator	regulation of mitoti metaphase/anaphas transition	actin fusion positive positive		regulation of ergosterol biosynthetic process					Ome

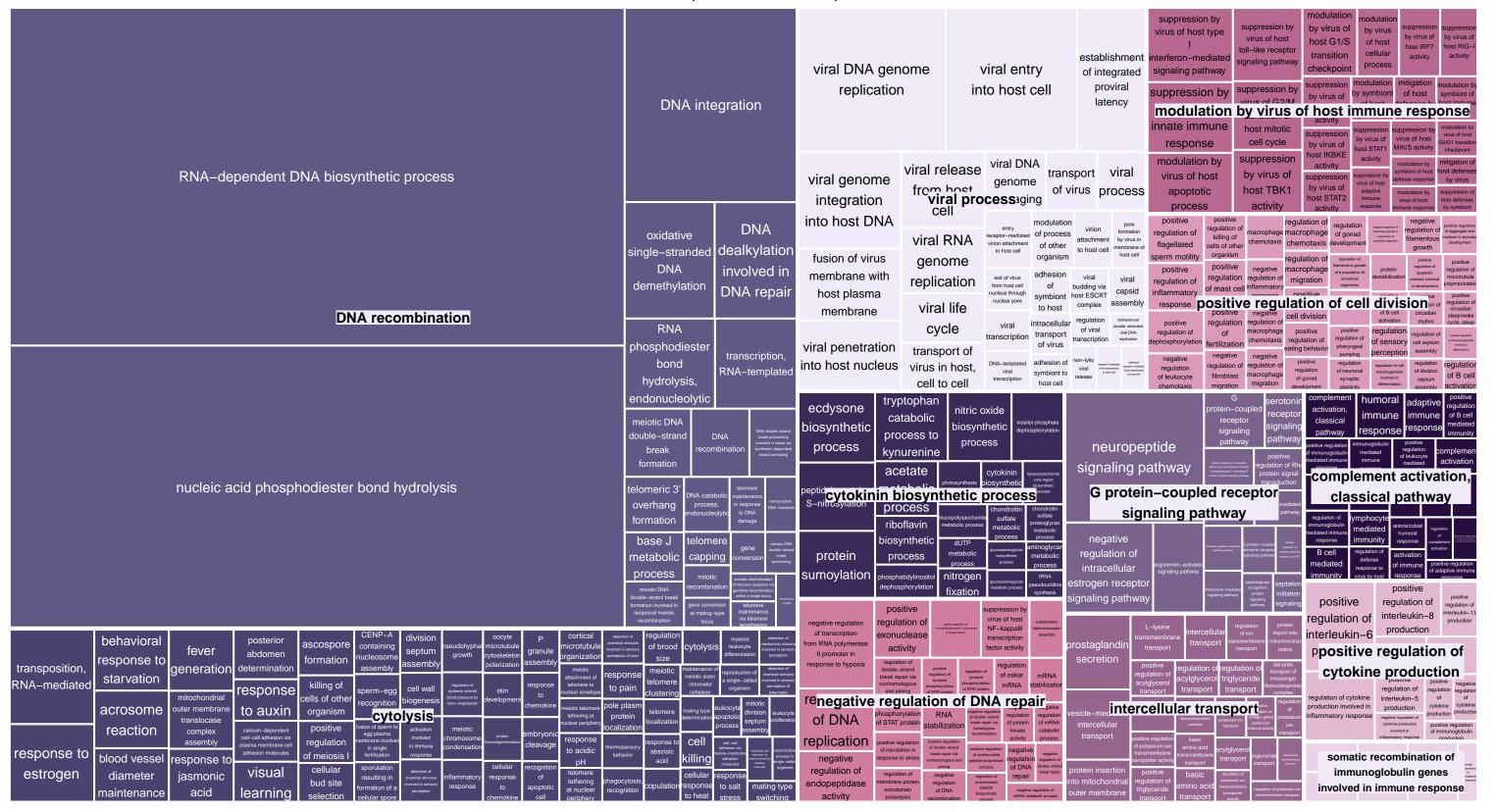
Cnidaria BP TreeMap



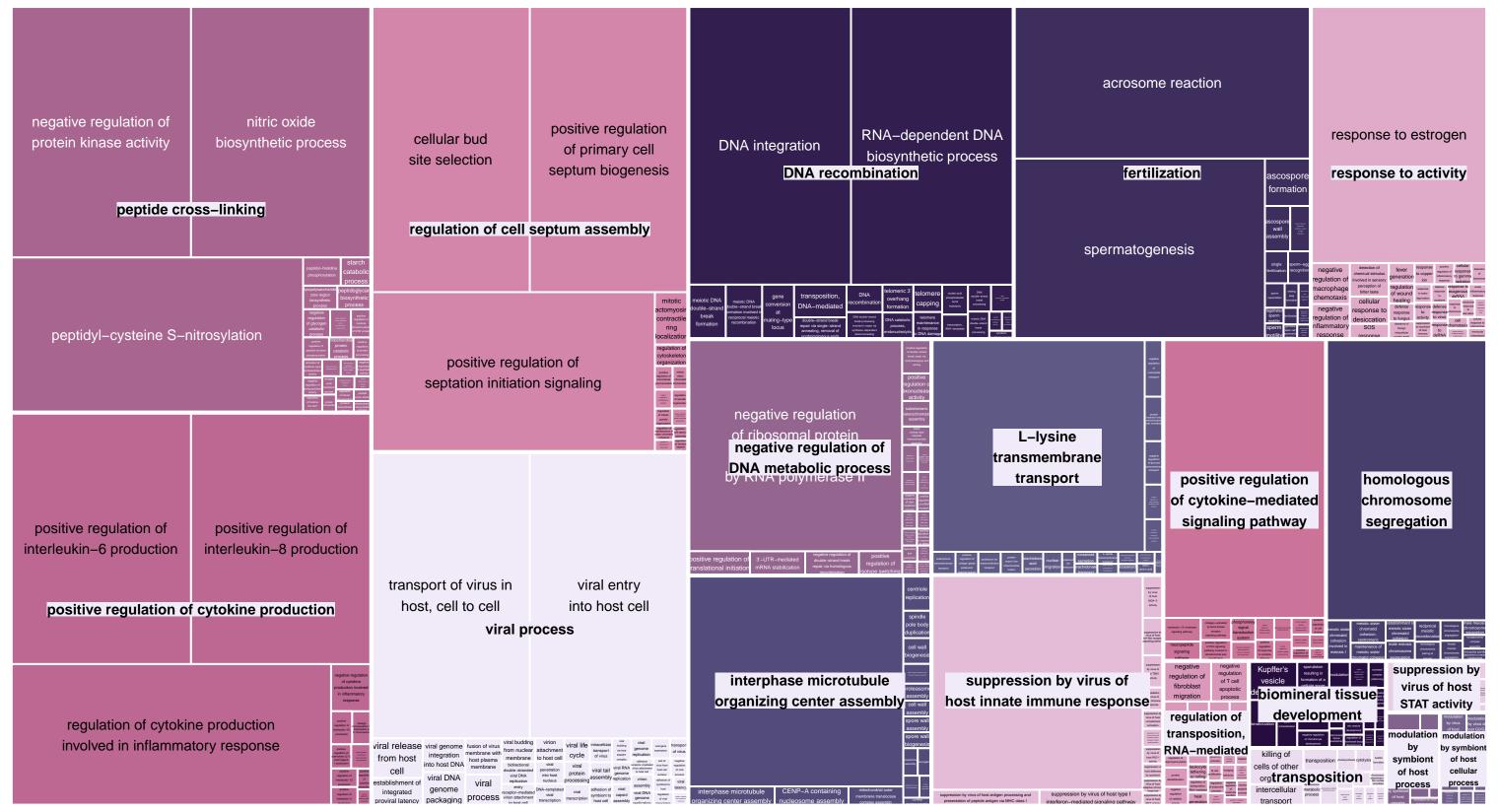
Craniata BP TreeMap

| activation | activation of innate | adaptive | complement | complement activation, | humoral immune response | humoral | adhesion of | evasion by virus of host
 | | usion of virus intrac | elilliar | on modification t by symbiont | by eymbiont | axoneme
 | cellular | cellular | centriole | cilium | common myeloid
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| tumor cell | response | response | response | inflammatory response | immune
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 | transition | | host of other | er genome | release from | assembly
 | localization | meiosis s | : | molecules meiotic sister | mitochondrial
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antimicrobial | protozoan | organism | Oi viius | n yeasi r | esponse
 | cytokinin | dimethylation | recombination | processing | process
 | hydrolysis |
| negative
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 | negative | suppression by | suppression by | suppression by | ransport of | calcium-independent f
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 | |
| of immune response to | inflammatory | natural killer
cell mediated | natural killer
cell mediated | cell mediated | regulation of T | regulation
of type I | interaction
with host | host signal
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 | regulation of
viral entry | host signal | virus of G2/M
transition of host | virus of host
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 | process | DNA m | S-nitrosylation | K63_linked | N_linked
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| inflammatory response | type immune response | response | immunoglobulin | response | | wounding | body | cycle
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 | cell adhesion
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 | cellular | detection of
molecule of | modulation by virus of | respons | of host defenses | by
 | DNA | meiotic DNA
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bond | NA-mediated
 | |
| positive regulation of | positive regulation of | regulation of | regulation of tolerance | regulation | regulation | stimulatory
C-type lectin | NA-templated
viral | virus of host
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| virus by host | production | Тезропас | immune response | upproceion e | uppression s | pathway | establishment
of integrated | modulation by | regulation of | f viral DNA | viral | virion | Appear and the second s | molecules | adhesion | ceii surrace | | | | regulation of bone mineralization | egulation of of e | 3 | ation of
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body |
| positive regulation of humoral immune | positive
regulation of | regulation of
natural killer | suppression by virus of
host antigen processing | by virus of | by virus of | by virus of | proviral | G0/G1 transition
checkpoint | viral entry
into host cell | genome | process a | ssembly | Appendix St. Application of the control of the cont | acute | cellular response to | cellular response to | cellular | cellular | cellular | involved in bone C maturation d | hondrocyte
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activity | latency | negative
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interferon-beta li | response to
ipopolysaccharide
 | negative regulation of | negative n | egative neg | ative nega | negativ | e negative
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| positive | tumor cell
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mRNA | regulation of
NF-kappaB
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regulation | endopeptidase | of double-strand
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 | stimulus | dsRNA
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lrocyte brown fat | cell adhes
 | ion | _ | of establishmen
of left/right | with mouth | vascular
plexus
 | eratinization |
| regulation of humoral | regulation of type 2 | regulation of natural
killer cell mediated
cytotoxicity directed | by virus of | virus of host type | ected against | immune = | stabilization | transcription
factor activity
 | competitive
promoter binding | g | of autophagy | activity involved in not apoptotic process | nhomologous end
joining | acute-phase r
 | Celiulai | of tumor | 4010011011 | of competence r | nflammatory
response to
 | cell-cell
adhesion | differentiation diffe | erentiation differen | ntiation differen | proliferat | ion integrir
 | proliferati | ion proliferation | asymmetry | second r | regression
 | |
| immune
response | immune | against tumor cell target | host IKBKE "
activity | signaling pathway | target t | sponse to
umor cell | activation of | negative
regulation of
 | positive
regulation of | positive regulation of | positive regulation
of NF-kappaB | positive regulation of | positive
regulation of | response
 | starvation | cell | light 1 | for
transformation | wounding
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 | positive positive | | lens | |
 | |
| | positive | | suppression | appression by virus | | | NF-kappaB-inducing
kinase activity | nitric oxide
biosynthetic
 | guanylate
cvclase activity | mRNA splicing, | transcription factor activity | biosynthetic | peptidyl-serine
phosphorylation
of STAT protein | behavioral
 | cellular | inflammatory r | esponse | response | esponse to growth
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pathway-restricted
SMAD protein
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| :ytokine-mediated | DNA damage response,
of signal transduction by p53
class mediator resulting | receptor | G protein-coupled
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kinase/NF-kappaB | immune
response–activating | negative
regulation of | negative regulation
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Ctenophora BP TreeMap



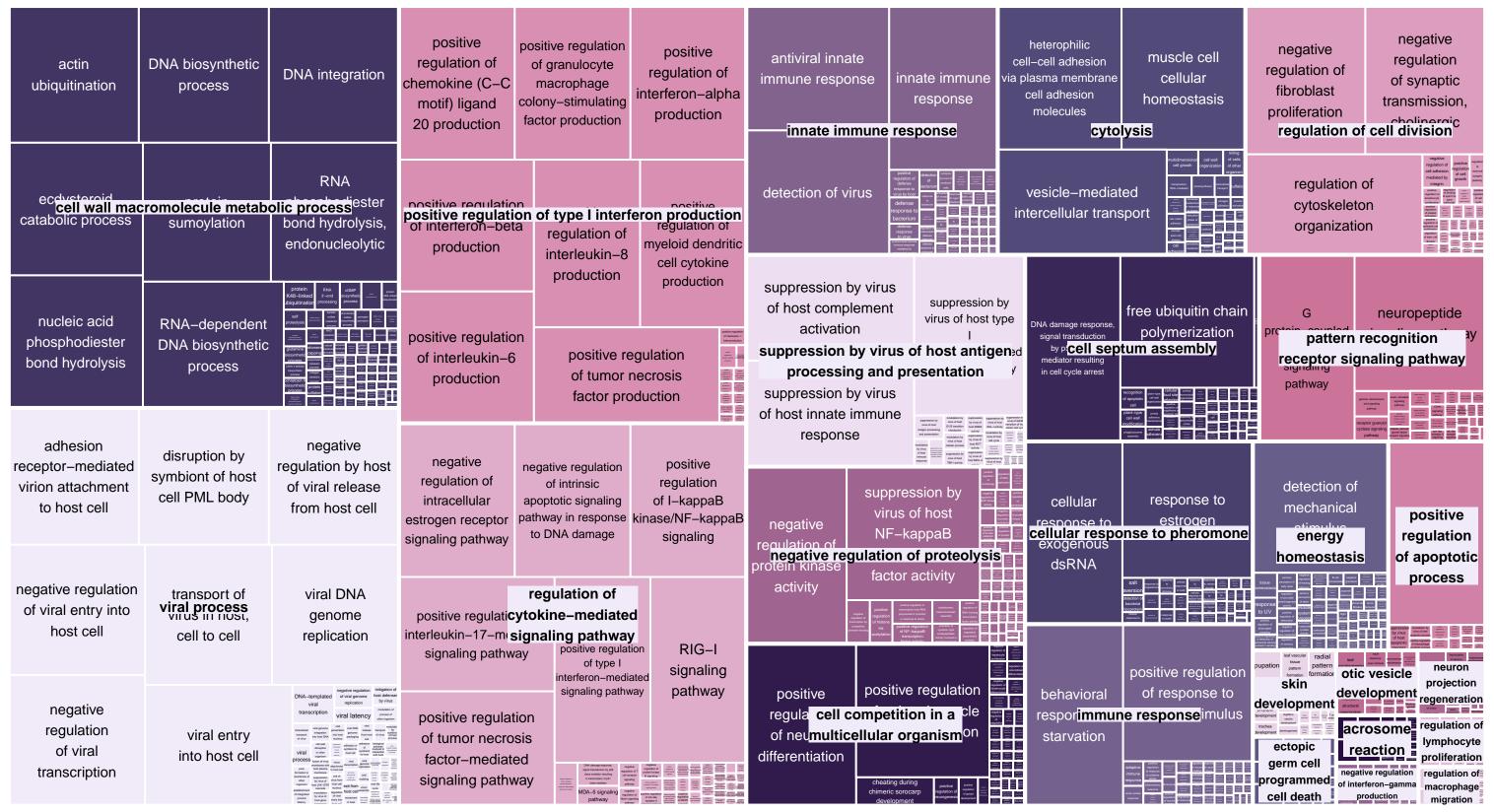
Cycliophora BP TreeMap



Dicyemida BP TreeMap



Echinodermata BP TreeMap



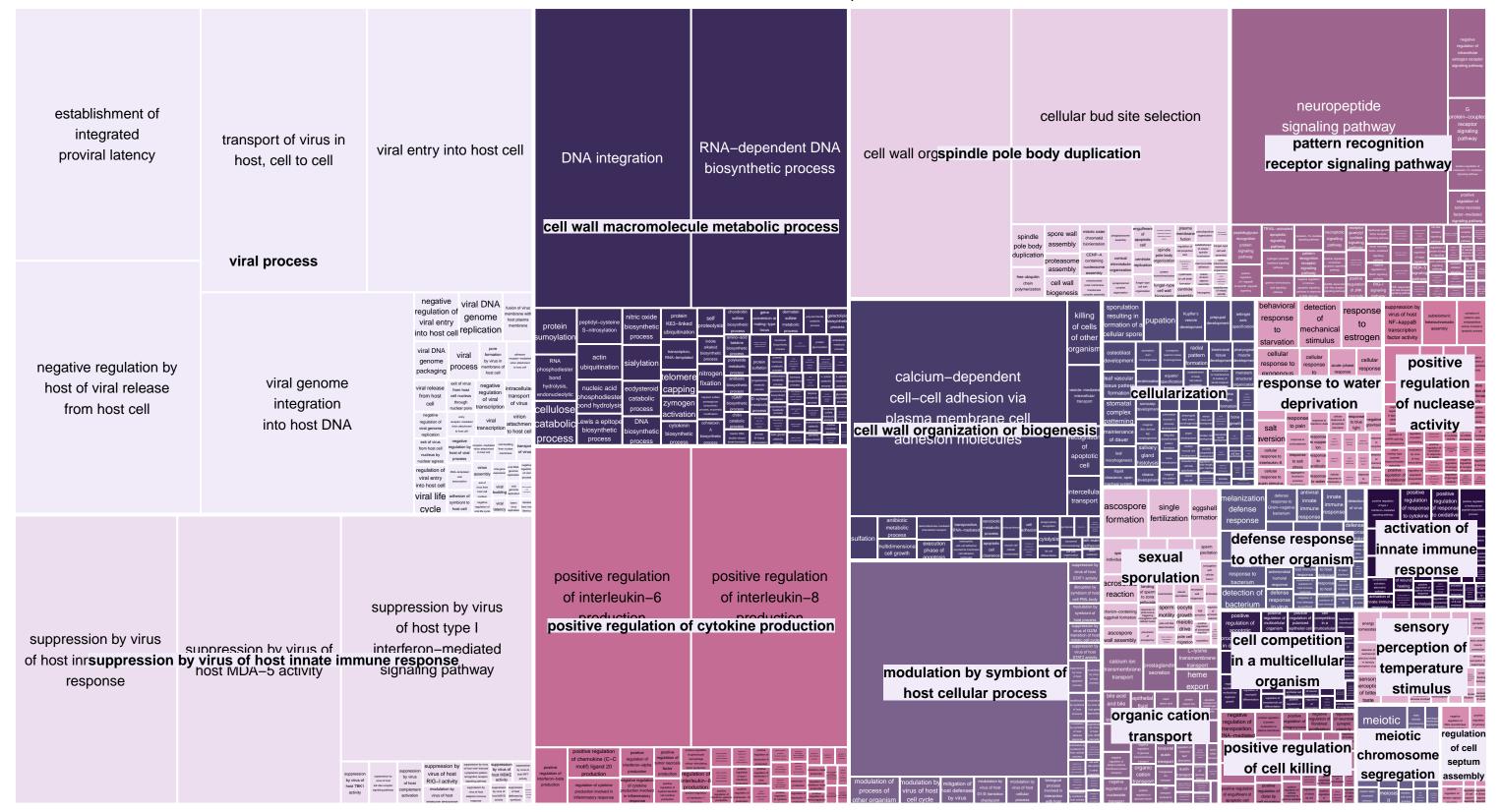
Entoprocta BP TreeMap

entry receptor-mediated virion attachment to host cell	establishment of integrated proviral latency	fusion of virus membrane with host plasma membrane	modulation of process of other organism	negative regulation of catalytic activity	negative regulation of imacrophage chemotaxis	negative regulation of T cell apoptotic process	negative regulation of transposition, RNA–mediated	DNA integration	DNA recombination	meiotic DNA double–strand break formation	cytokinin biosynthetic process	DNA unwinding involved in DNA replication	bone mineralization	keratinization
pore formation by virus in membrane of host cell	viral capsid assembly	viral DNA genome packaging	viral DNA genome replication		positive regulation of apoptotic ve regulation of	•	ation		dent			nitric oxide biosynthetic process cromolecule c process	•	osteoblast development etition in a r organism
transport of vbiological p	rocess involve into host cell	d in interactio viral process	n with host in processing	regulation of fibroblast migration negative	positive regulation of appetite positive regulation	regulation of neutrophil chemotaxis	regulation of ribonucleoside-diphosphate reductase activity	telomero maintenanc recombina	e via	sis ription ation from polymerase promoter	nitrogen fixation	terpenoid biosynthesis biosynthetic process, mevalonate-dependent	regulation of chondrocyte differentiation	stomatal complex patterning
viral budding from Golgi membrane	viral genome integration into host DNA	viral releas	replication fusion of viral	regulation of	of circadian sleep/wake cycle, non–REM sleep	of pyruvate dehydrogenase activity	positive	termination RNA polyme I transcript	erase RNA-te	ner netabolic con	peptidyl-cysteine S-nitrosylation		sporulation resulting in formation of a cellular spore	
viral budding via host ESCRT complex	viral life cycle	viral transcriptio	Note	focus assembly	chromosome localization to nuclear envelope involved in homologous chromosome segregation cortical	chromatid	regulation of centriole elongation	cellular response to auxin stimulus	cellular response to cytokinin stimulus	cellular response to desiccation	activity	Catabolic process	cell wall organization	intercellular transport
modulation by virus of host apoptotic process	suppression by virus of G2/M transition of host mitotic	suppression by virus of host antigen processing and presentation of peptide antigen via MHC class I	suppression by virus of host apoptotic process	cellular bud	spindle pole boo organization mitochondrial	dy duplication assembly	of cilium increasus chromatid ructear polymerization cohesion	detection of che stimulus inverse sensory percep bitter taste	esponse to f		reactive ox	regulation of sygen species lic process	killing of cells of cell div organism	Vision plasmodesmata-mediated intercellular transport
modulation by virus of host G0/G1 transition	cell cycle suppression by virus of host innate immune	suppression by virus of host RIG-I	suppression by virus of host STAT1	containing nucleosome assembly	outer membrane translocase complex assembly	body duplica	AND DESCRIPTION OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO	fever gener	cellular cellular response response response	en deprivatio	regulation of protein kinase activity		meiotic cell cycle egulation suppress	sion by
modulat modulation by virus of host G1/S transition checkpoint	response ion by virus of suppression by virus of host MAVS activity	suppression by virus of host TBK1	suppression by virus of host type linterferon-mediated	of cytokine re- production involved cher in inflammatory mi- response 1	positive gulation of nokine (C-C otif) ligand production production ve regulation of other positive regulation of the positive regulation regulatio	regulation of interleukin-production	of regulation of -5 interleukin–6 n production	acrosome reaction	fusion of sperm egg plasma membrane involv in single fertilization	meiotic drive	negative regulation of intracellular settlement recentor	of DNA- transcription	binding virus of on factor NF-ka regulation of netic imprinting	host ppaB ption regulation of natural killer cell
negative regulation by symbiont of host apoptotic process	suppression by virus of host MDA–5 activity	activity suppression by virus of host toll-like receptor signaling pathway	signaling pathway	beta facto	ve regulation granulocyte y-stimulating or production production production	regulation of interleukin–8	regulation of cytokine production involved in inflammatory response	ascospore formation	permatogen spermatoger	decidualization Epiam program and program	pathway via pheromone-dependent signal transduction involved in conjugation with cellular fusion	STAT DNA reputation positive (innated)	e immune respo	activation

Gastrotricha BP TreeMap



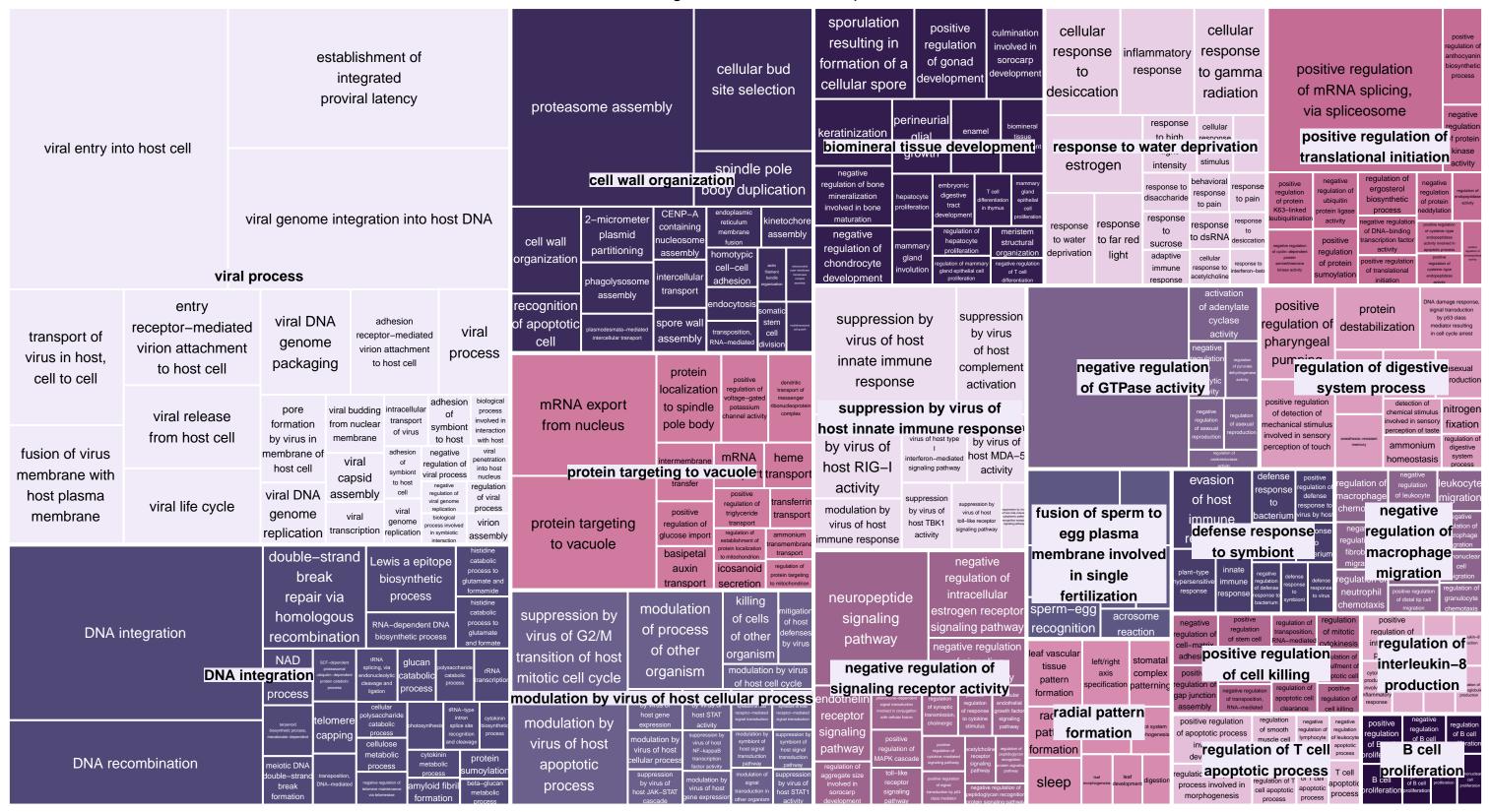
Hemichordata BP TreeMap



Kinorhyncha BP TreeMap

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adhesion receptor-mediated virion attachment to host cell	bidirectional double-stranded viral DNA replication	DNA-templated viral transcription	entry receptor–mediated virion attachment to host cell	DNA integration	DNA recombination	meiotic DNA double-strand break formation	exit of virus from host ce nucleus through nuclear pore	transport	antibiotic biosynthetic process	histidine catabolic process to glutamate and formamide	endothelin receptor signaling pathway	negative regulation of cell–cell adhesion	cell wall organization	chromosome segregation
establishment of integrated proviral latency	t viral DNA genome replication	viral entry into host cell	viral genome integration into host DNA	bond hydroly pl	nucleic acid	transcription, RNA-templated	microtubule-dependent intracellular transport intracellular	transport of virus of virus nuclear		onisin n e	negative regulation of introculturar stro signal tran gnain absence	of ligand ^y	killing of cells of other cell agg organism	meiotic regation <mark></mark> rcle
fusion of virus membrane with host plasma membrane	viral lif viral p i	rocess release from host cell	viral tail assembly	RNA boo phosphodiester bond hydrolysis endonucleolytic RNA-depender	, transposi	tion,	transport of virus in host, cell to cell	viral penetration into host nucleus	photosynthesis meval	ynthetic process,	nosphorelay of r signal sy ransduction system pla	asticity = ==================================		sicle-mediated intercellular transport
viral capsid assembly	viral process	viral transcription	virion attachment to host cell	DNA biosyntheti process	endonucle		cellular buc site selectio	n chromatid		odulation by virus modulation	401030111	tunion of approximate	cytokinin	nitric oxide
viral DNA genome packaging	viral protein processing	virion assembly	And or general and of the second of the seco	basic amino acid transmembrane transport	mRNA transport	prostaglandin secretion	cell sep	cohesion regulation of spindle tym assembly body	interaction Microbial parts	of host cellular of other orocess involved ction with host	sexual	membrane involve in single sporulation	aromatic aro	biosynthetic amino acid osynthetic cess
by virus of host to	virus of G2/M	ost antigen processing	suppression by virus of host apoptotic process	dendritic transport of messeng(<mark>lipid</mark> ribonucleoprotein complex	protein insertion into mitochondrial export from in apoptotic signaling pathway	cell sterol transport		organization duplication	of host	by virus in host cell	cheating	HORAL STATE OF THE PROPERTY OF	catabolic process	
process modulation		suppress by virus of hos MAVS MDA-8	ion suppression by virus of	L-lysine transmembrane transport	siderophore transmembrane transport		assembly behavioral	cellular response	of cytokine production involved in inflammatory	positive regulation of interleukin–8 production	chimeric sor regula	mineralization ation of bone ion	fibroblast migration cellular extraction negative regulation of macrophage	pilus-dependent
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modulation	processing and by virus of	d presentation suppress	sion suppression by	mRNA stabilization	regulation of translationa		cellular		regulation of interleukin–6	production involved in inflammatory response	a developiti	ent	Lewis a epi <mark>lipopolysa</mark>	
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regulation by	host IRF7 host	virus of virus of the STAT2 interferonsignaling	ssion by something of the state	positive regulation of mRNA splicing, via spliceosome	transcript attenuat		cellular response to gamma radiation	The column The	biomineral ti	ssue developmer	nt. protei	peption and the control of the contr	regulation regulation of g deacety catabolic	of protein activity

Micrognathozoa BP TreeMap



Mollusca BP TreeMap

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Nematoda BP TreeMap

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adhesion of	from host	virus from	membrane with	fusion of virus membrane with	intracellular	symbiont	fusion		of host	by virus of	regulation of	regulation of	cAMP-mediate	ed receptor	r apoptotic	protein-couple	DNA	DNA	DNA	break	negative regulation of cytokine	negative regulation of	positive regulation of	regulation
symbiont to	cell nucleus	host cell	host outer	host plasma	transport	of host	involved in	humoral	defenses by	host immune		defense	signaling	signaling	g signaling	receptor signaling				repair via	production involved	interleukin–17	hemokine (C-C	of
host cell	through		nuclear membrane	membrane	of virus		viral entry	response	symbiont	response	response	response to		pathway	y pathway	pathway	integration	10001112111211011	repair	homologous	response	production	motif) ligand 1 production	chemokine
	nuclear pore	nucleus		1.1.7	1.1.0	cells	into host cell	antimicrobial	·			virus by host								recombination				production
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receptor-mediated virion attachment	intracellular transport	by virus of	by virus of host	by virus of host G0/G1	by virus of host G1/S	by virus	of process	response mediated	regulation o	f by virus of host	by virus of	host innate	nterferon-gamma-mediated signaling pathway	of peptidoglycan recognition protein	regulation of positive reg	lation of regulation of	double-strand	RNA-dependent DNA	telomere	telomere maintenance	positive regulation	positive regulation of	positive regulation of	regulation of
to host cell	towards nucleus	host cell	cellular	transition	transition	of host	of other	peptide	inflammator	compleme	nt host IKBKE	immune			cytokine-mediated signaling pathway	receptor signalir pathway via STA	5	biosynthetic		via	colony-stimulating	interleukin–13 ii	nterleukin–23	interleukin–5
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activity	k	inase activity	deacetylation		behavior	Í		cell apoptotic	cell apoptotic	neutrophi						developme		development		· uc				
positive				negative				process	process	chemotax					ascospo		: al a4:				skeletal	system	develop	ment
regulation of	positive regulation	positive regulation of	positive regulation of fructose	·	positive regulation of	positive regulation of CD4-positive, CD25-positive,	positive	p100033		cellular			acrosom	ne ascosp	ore	astrocy	inductive	perineuria	al	b	iomineral	S	tomatal 1	
amyloid-beta	peptide biosynthetic	fructose 1,6-bisphosphate 1-phosphatase activity	1,6-bisphosphate	regulation	calcidiol	CD4-positive, CD25-positive, alpha-beta regulatory T cell differentiation involved in	regulation of	behavioral	cellular	response	cellular	cellular	reaction	format	wall tion .	•	SVNCVt	ium form	ationation		tissue la	ctation	omplex	
formation	process		metabolic process	of catalytic	1-monooxygenase activity	immune response	binding	response	response to	response	response	response to			assemb	ly activation	on signaling	yılal	formation of	syncytium de			atterning	
	e regulat	ion of ce	ellular 🖁	activity				to ethanol		to gamma		pheromone		female			Signaling	growth	a cellular	formation		F.	The state of the s	
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	drate me	or protein	tyrosine	of detection of	protein	of pyruvate	regulation of ribonucleoside–diphosphate	behavioral	detection of	humoral	olfootor	olfo oto m	eggshell formati		metric in single	cell fate	korotini-ati-		-		empetition in re	egulation of bone mineralization	of spindle	cellular
ectodomain			phosphorylation	mechanical stimulus involved in sensory	stabilization	dehydrogenase	ribonucleoside-diphosphate reductase activity	response		immune	olfactory	unactory		divisio	on fertilization	specification	keratinization	ⁿ wall	nodubrico and service and serv	a	multicellular i	nvolved in bone	microtubules	bud site
proteolysis	leacetylation de	eubiquitination	of STAT protein	perception of touch		activity		to	nercention of small		behavior	learning	f. 10	matin	ng meioti	C		assembly	Senescence of contract of cont	TOTAL CONTROL DESCRIPTION OF THE PROPERTY OF T	organism	maturation	400	selection
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regulation of of	vitamin D		OP-ribosylation		perception	perception			detection of	esponse	гозропас	salt		formati	1011	cell wall	containing		ter membrane translocase	oteasome	regulati	ion of	mitotic	spindle
nitric oxide bio	osynthetic		100000 page 1		of chemical .	of smell	memory	cell	chemical stimulus involved in sensory	to	to water	aversion	male	cnorm	-000	= biogenesi	s nucleosome			ssembly				_
biosynthetic process	process sup	pression by	regulation agency agenc	pumping	stimulus			chemotaxis	perception of taste	estrogen	deprivation	aversion	courtship	sperm-			interpha	se micro	tubule		e hemop	010919 = =	-	body
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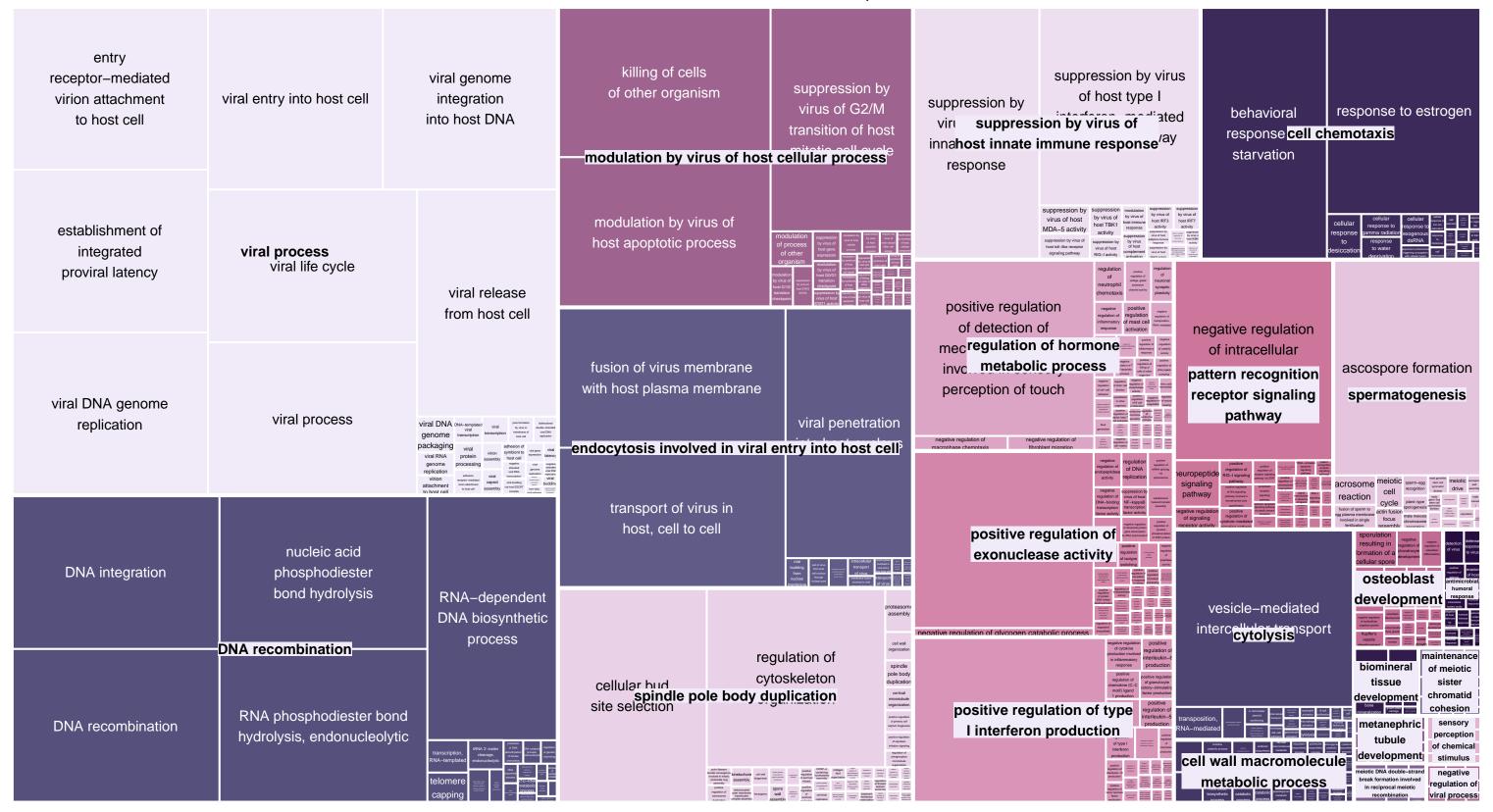
Nematomorpha BP TreeMap



Nemertea BP TreeMap

adhesion of symbiont to host cell	adhesion receptor-mediate virion attachmen to host cell		biological process involved in interaction with host	DNA-templated viral transcription	entry receptor-mediated virion attachment to host cell	cellular bud site selection	establishment of meiotic sister chromatid cohesion	establishment of mitotic sister chromatid cohesion	free ubiquitin chain polymerization	cell wall biogenesis	hemolysis in other organism	intercellular transport	killing of cells of other organism	acrosome reaction	fusion of sperm to egg plasma membrane involved in single fertilization	mating type switching	3'-UTR-mediated mRNA stabilization	positive regulation of mRNA splicing, via spliceosome	positive regulation of telomerase activity positive
establishment of integrated proviral latency	intracellula transport of virus	7	n modulation at by symbiont of host process		negative regulation by host of viral release from host cell		maintenance meiotic siste chromatid	positive regulation of sontation	assembly	cell wall organization	localizatio cell cycle			ascospore	meiotic drive spermatogene sperm	male germit stem cell symmetric division	negative regulation of regulation geregulation by RNA polymerase II	regulation of telomere capping on of genetic positive regulation of translational	virus of host
exit of virus from host cell nucleus through nuclear pore	negative regulation of viral transcription	transport of virus	viral budding from Golgi membrane	membrane	viral budding via host ESCRT complex	centriole replication cortical	mitochondria outer membrar translocase complex assem positive regulati	spindloplication		cytolysis	plasmodesmata-mediated intercellular transport	vesicle-media intercellular transport	1907 - 100 -	egg activation	sperm-egg recognition	spermatogenesis susual properties of the second sec	positive regulation of exonuclease activity	subtelomeric heterochromatin assembly	NF-kappaB transcription factor activity
exit of virus from host cell nucleus	pore formation by virus in membrane of host cell	VIRAI DINA	overession	viral genome integration nto host DNA viral	viral life cycle	organization endothelin receptor	of primary cel	. presse	neuropeptide	negative	regulation of		n positive regulat	humora humora humora respons	al respons	e actin ubiquitination	peptidyl-cysten		detection of chemical stimulus involved in sensory perception of bitter taste
fusion of viral membrane with host outer nuclear	pore formation in membrane of other	–	viral penetration into host nucleus	release from host cell	viral transcription	signaling pathway	apoptotic signaling pathway in response to DNA damage pheromone-depen	of Notch signaling pathway	signaling pathway	negative regulation encopeptica activity	n of prote se protein K6	3–linked er		respons of oth	se to defense ner organism		a epitope etic proces	CHETTIC	onse to onse omone o
membrane with	organism transport of virus in	viral	viral process viral protein	virion assembly virion	Value Valu		pattern receptor signal	ognition ling pathw	TRAIL-activated apoptotic signaling pathway	negative regulat of glycogen catabolic proce	positive re of tyro ss phosphory STAT p	gulation particular pa	process	evasior host imm	NUMBER OF STREET	glycosylation	on = = = = =	copper io	to solution to sol
membrane modulation by virus	host, cell to cell modulation by virus of	host cell suppression by virus	processing suppression by virus	attachme to host co suppression by virus of	nt season	negative	nterleukin-17-med signaling pathwa positive regulation o	diated vasculary vasculary endothe	elial actor	of cytokine production invol- in inflammator response	ved positive regulat	regulation interleukin-	13 interleukin-	-5 Tespirati	Ibiosyntheti	c regulation	regulation o cytoskeletor organization egulation	regulation of fibroblast mi(regulation	of voltage-gated potassium channel ion of ion
of host apoptotic process modulation	host immune response positive	of host apoptotic process suppression	of host complement activation suppression		host IKBKE activity suppression	intracellular estrogen receptor signaling pathway DNA	RIG-I signali pathway		meiotic DNA	motif) ligand production	cytokine	productio	in .pe	positive egulation	olic process biosynthetic proces mevalonate-depend	positive regulation of release of cytochrome c from mitochondria	killing	reg tran of T cell apoptotic	embrane sport
of host cellular process modulation	regulation of syncytium formation by virus nodulatio suppression by	host innate immune response n by virus	host MAVS activity of host cells	host MDA-5 activity	host RIG-I activity	process	ecombination	nating-type locus	break formation	positive regulati of chemokine (C motif) ligand 2 production	positive r of interl	eukin–8	sporulation		negative		ulation of _{regulati}	gative negative negative regulation of	behavioral response to starvation
by virus of host G0/G1 transition checkpoint	virus of G2/M transition of host mitotic cell cycle	suppression by virus of host IRF3 activity	by virus of host STAT1 activity	by virus of host TBK1 activity	virus of host toll–like receptor signaling pathway	break processing	posphodiester DNA recom hydrolysis	nbination process	telomere capping	keratinization	nodulation	assembly	resulting ir formation of a cellular	generati negative	activity e regulation o	response che activation immune res	n of dit	egulation of he had not been determined as the had not been de	response deprivation
modulation by virus of host G1/S transition checkpoint	suppression by virus of host adaptive immune response	suppression by virus of host IRF7 activity	suppression by virus of host STAT2	by virus of host type I interfe	of host type I oron-mediated aling pathway	integration		Inscription, sp A-templated red and	intron blice site cognition I cleavage	Kupffer's vesicle	osteoblast developmen	stomata complex patternin	March	regulation of pyruvate dehydrogenase activity	ular function ribonucleoside-diphosphate reductase activity	positive regulation of detection of mechanical stimulus involved in sensory perception of touch	cho	rentiation myeloid leu	pallular

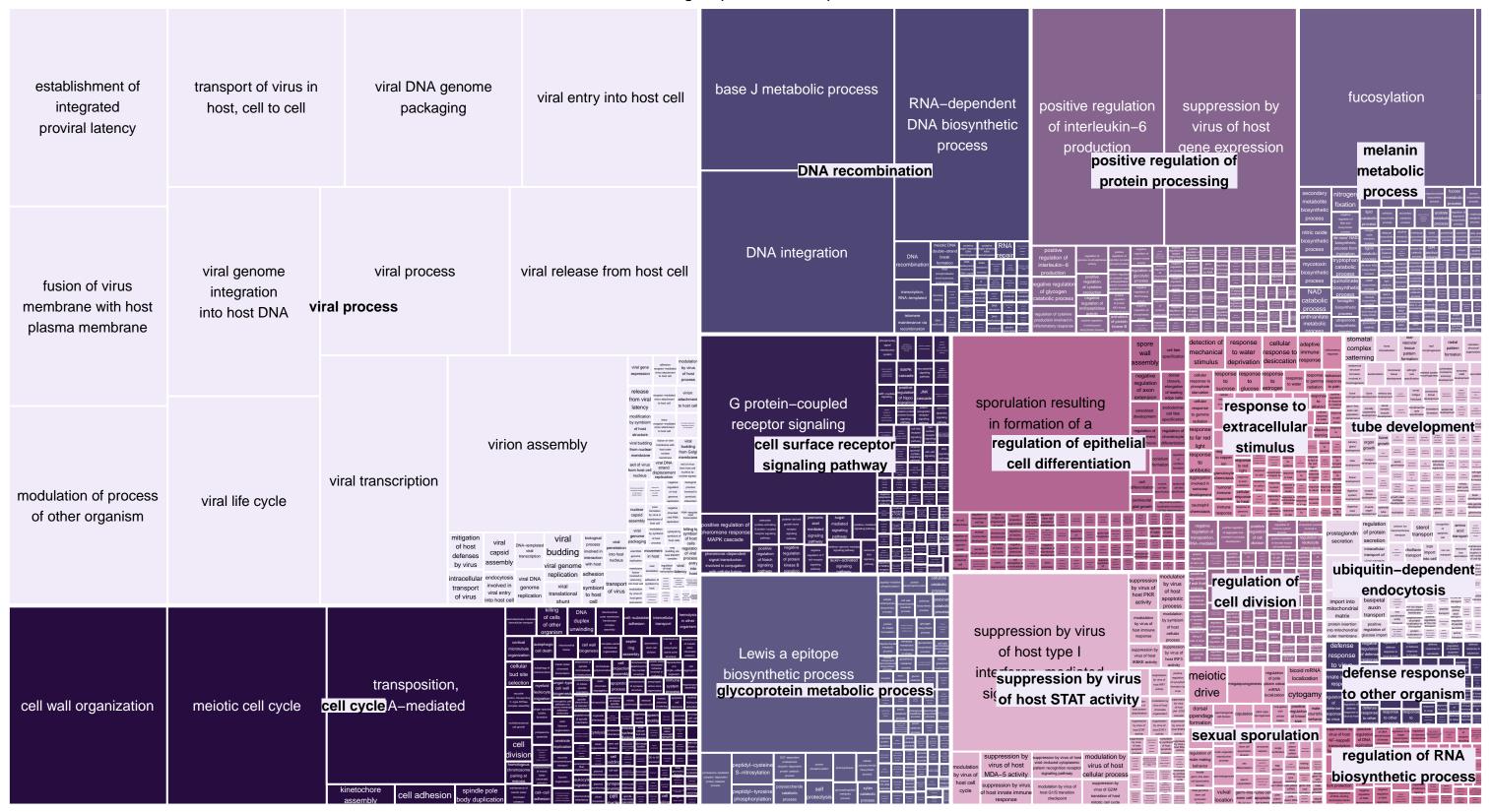
Nemertodermatida BP TreeMap



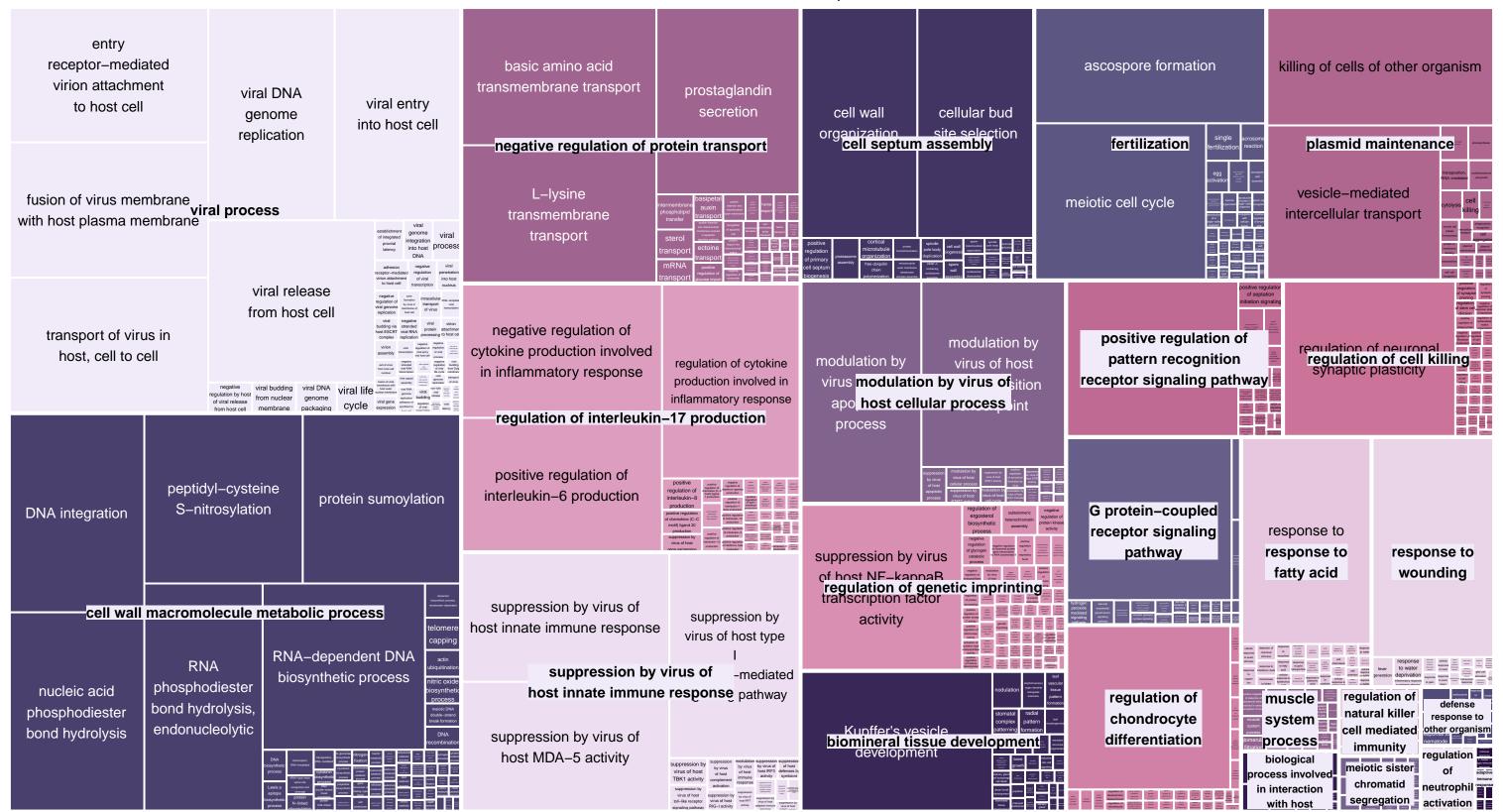
Onychophora BP TreeMap

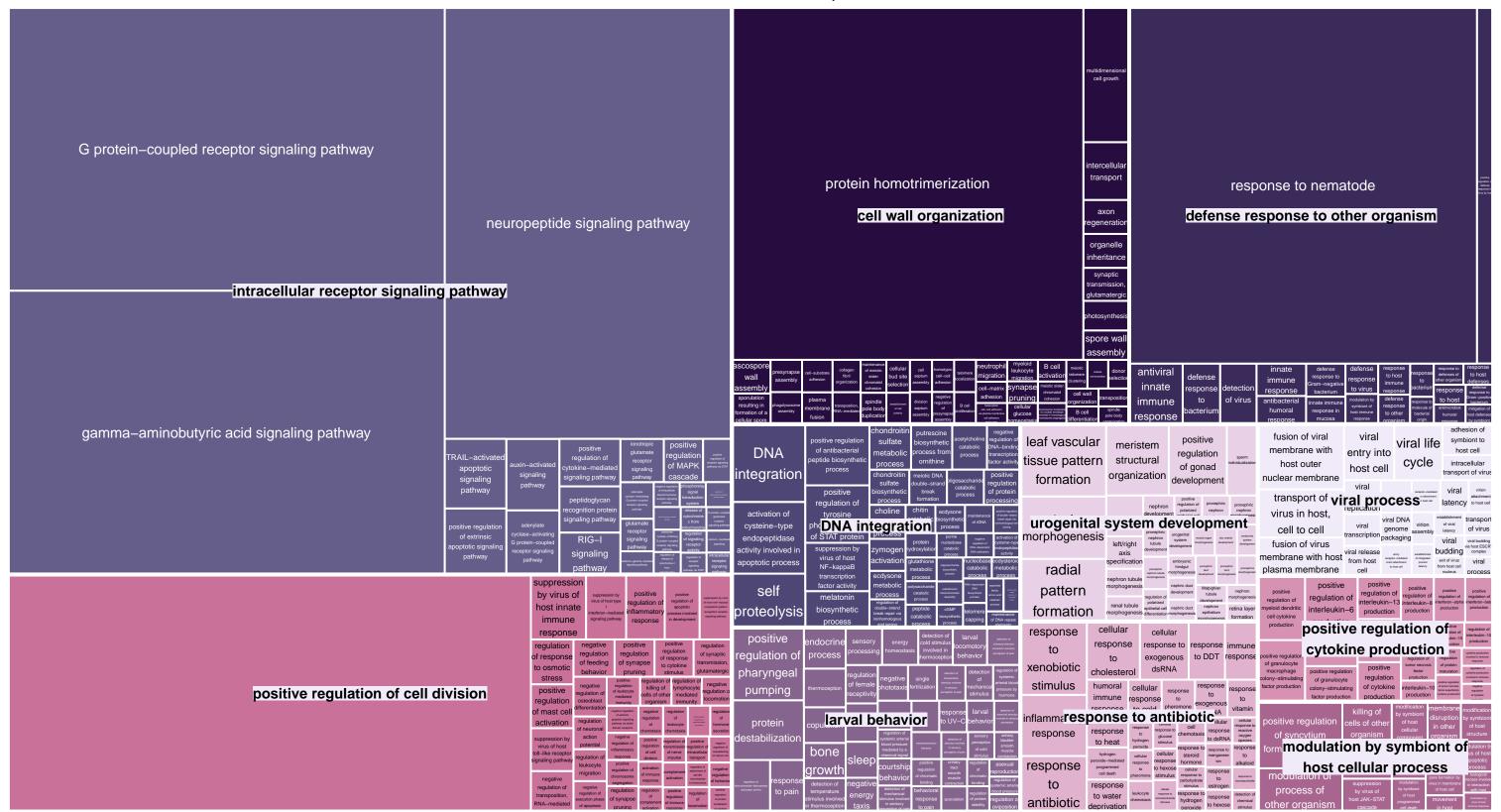
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adhesion of symbiont to host cell	establishment of integrated proviral latency	exit of virus from host cell nucleus through nuclear pore	fusion of virus membrane with host plasma membrane	extrinsic anontotic	negative regulation of protein localization to nucleolus	neuropeptide signaling pathway	maintenance of meiotic sister chromatid cohesion	meiotic cell cycle	meiotic sister chromatid cohesion involved in meiosis I	cellular bud site selection	deactivation of mitotic spindle assembly checkpoint	positive regulation of translational initiation	suppression by virus of host gene expression	negative regulation of protein kinase	peptidyl-cysteine S-nitrosylation
intracellular transport of virus	transport of virus in host, cell to cell	viral DNA genome packaging	viral DNA genome replication	negative regulation of signal transdufibroblast migration	pheromone-depender Iction in abse Involved in conjugation with cellular fusion		meiotic sist male meiosis chromosome	spindle	d segregation reciprocal meiotic ecombination	rec <mark>septum a</mark> exit from mitos	on of cell tive assembly ation of septation initiation	of host t	on by virus ranslation on by virus of host NF-kappaB transcription		tion of -tyrosine orylation
negative regulation by host of viral transcription	viral pro	viral life	viral penetration	negative regulation of intracellular estrogen receptor	positive regulation of release of cytochrome c from					positive regulati of primary cel septum biogene	positive regulation and regulation a	suppression virus of hos IRF7 activi	st	proteir sumoylat	1980 1980
pore formation by virus in membrane of	11001 0011	cycle	into host nucleus	modulation by	mitochondria modulation by virus of	suppression by virus of G2/M	cell wall modification	centriole replication phase micro	karyogamy tubule	negative regulation of cytokine production involved in inflammatory	positive regulation of interleukin–6	acrosome reaction		negative egulation of telomerase	regulation of DNA replication
host cell positive regulation by host of viral	viral genome , integration into host	release	viral RNA genome eplication proces control of the	apoptotic process	host G0/G1 transition checkpoint suppression ation by symb	iont of	cell wall	ring center and an analysis of the control of the c	ribosome disassembly	regulation of inflan	kin–13	ascospore mer	mbrane involved = C	activity regulat transcri PONA-ten of telomere	ion of iption, nplatedbe cassette
transcription DNA biosynthetic		gene	maintenance	cell cycle	cellular proc apoptotic process	ess virus of host STAT2 activity	DNA	NAD	negative regulation	interleukin–8 production			fertilization =	via elomerase	erochromatin assembly
process	maintin DNIA	mating-type locus	of rDNA	virus of host cellular process	suppression virus of hos STAT1 activi	modulation by special strain of the control of the	me	catabolic process eto-sphinga etabolic proc	biosynthetic anine process	defense response to fundus respons	plant-typ hypersens respons se to defenses	itive 3'-UTR-m e mRN	NA mRNA cataboli process, no-go decay	regulation	positive regulation of plant-type ation of ve
DNA catabolic process, endonucleolytic	double-strand break formation involved in	phosphodieste bond hydrolysis	RNA-dependent r DNA biosynthetic process	suppression by virus of host adaptive immune response	by virus of	suppression by virus of host RIG-I activity	lipopolysaccharide core region biosynthetic process	nitric oxi biosynthe proces	de = = = = = = = = = = = = = = = = = = =	of oth	er organism symbiotic fungus	Section of	egulation of etic imprinting ositive ulation of	defense to viru positive re	e response s by host egulation signaling
DNA double–strand break processing involved in repair via synthesis–dependent strand annealing	meiotic DNA double-strand break formation	telomere capping	transcription, RNA-templated	innatchost inna	ression by vir	us of	basic amino acid transmembrar transport	mRNA transport		killing of cells of other organism	transposit RNA-medi	ion, ated	nuclease activity sortion atinization	path	way pe intron
DNA integration	meiotic DNA double-strand break processing	telomeric : overhang formation	double-stand maintenance service servi	suppression by virus of host MAVS activity	suppression virus of hos toll–like rece signaling path	st ptor	L-lysine transmembrar transport	protein inse	ertion into	transposition	vesicle-mediate intercellular transport	ed spc mo	ryous system rphogenesis mation of a ular spore	splice recognit cleav	ion and

Outgroup BP TreeMap



Phoronida BP TreeMap

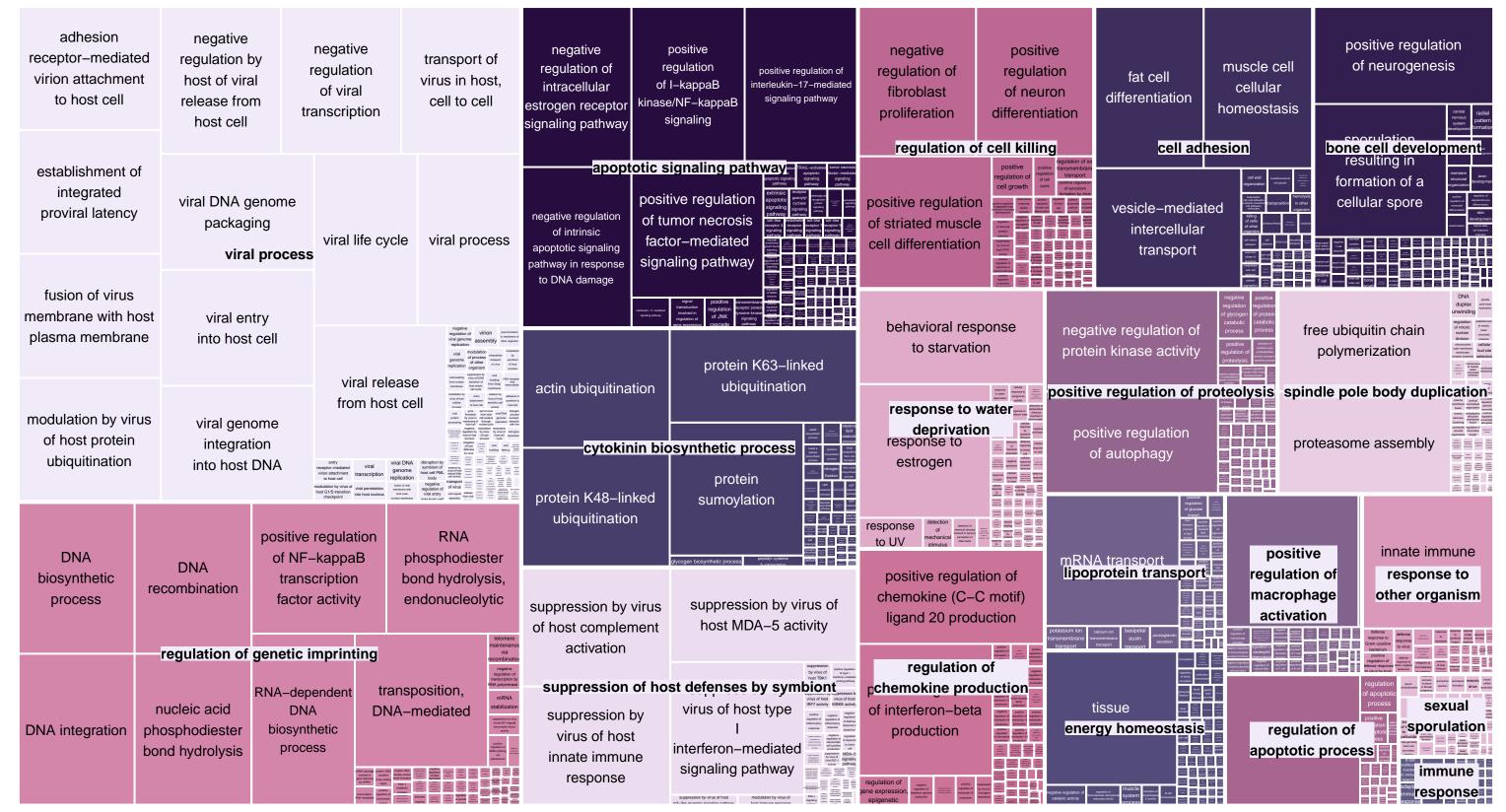




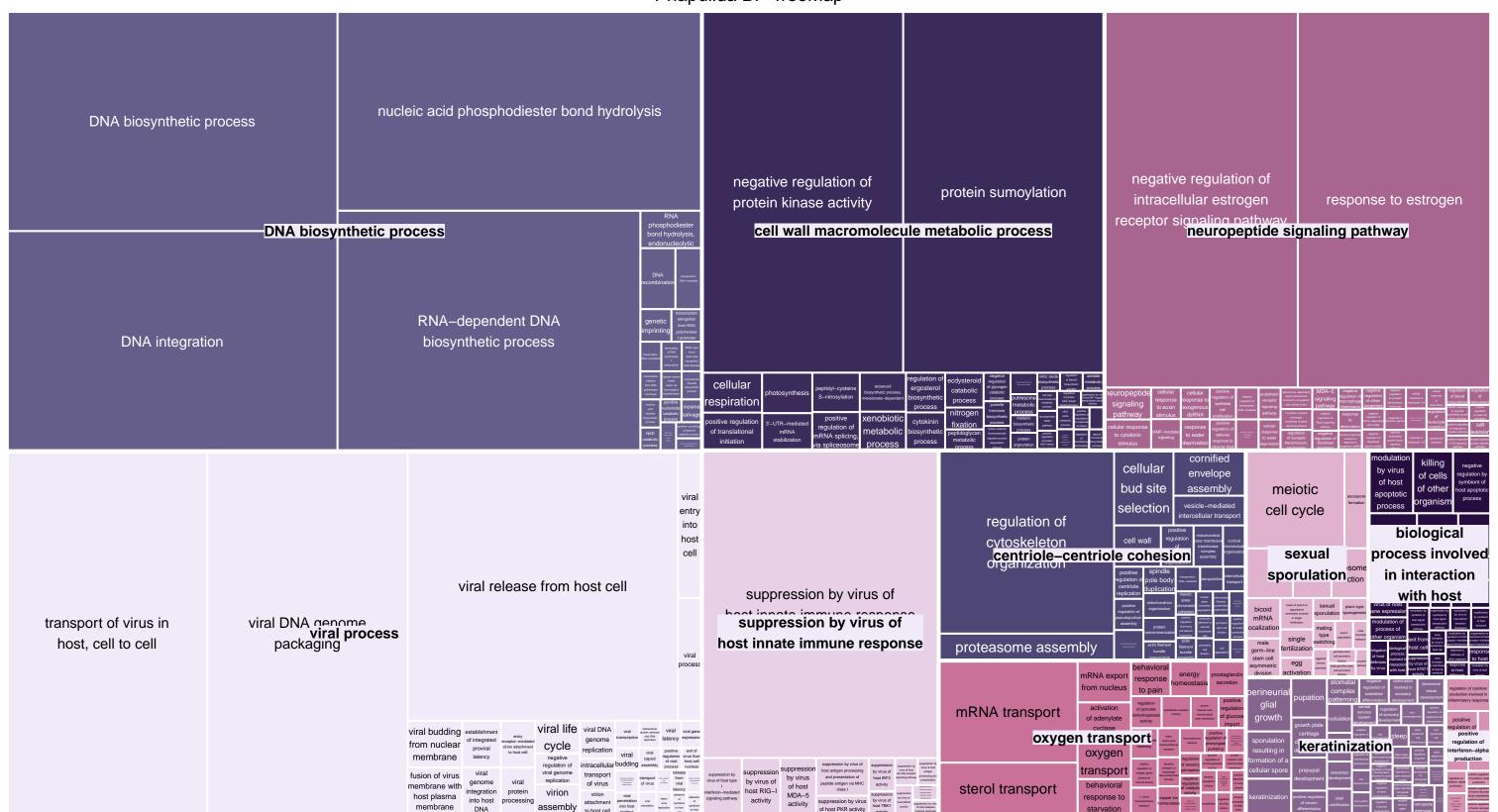
Platyhelminthes BP TreeMap

Second Control Contr													αι , σ .				Γ										
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Column C	adhesion of				process	process	clathrin-dependent	actiii iusioii			kinetochore		attachment	chromatid	adaptive	complemen	regu	lation of regulation	Of all LITE and lated		regulation	negativ			regulation of	regulation of	regulation
Second S	symbiont to				involved in	involved in	endocytosis of	focus	microtubule	karyogamy			of telomere	cohesion	immune		immune activ	ation of	mPNIA.	-	of DNA	break		oduction involved :	-		
War	host cell	symbiont			interaction	interaction	virus by host cell	assembly	organization		assembly				rocponco	activation	rocponco	librane	stabilization	of DNA	metabolic O	f DNA hom	mologous	ar imarimator y			
		to host		·	with host	with symbiont		,					envelope	meiosis I	response		, , , , , , , , , , , , , , , , , , , ,	complex respons	}	demethylation	process rep	olication	ombination				
March Marc		endocytosis		ostablishmont		exit of virus	exit of			meiotic		positive		positive	negative	positive		suppression	ру					F	1		•
March Marc	DNA-templated					from host	virus from	aggresome	mitotic spindle	telomere	peroxisome	regulation		regulation of	regulation of	-	regulation of		negative regulation	0	positive		otection re	egulation	·	•	
	viral			· · · · · ·		cell nucleus		assembly			inheritance	of centriole		microtubule	macrophage		inflammatory .	immuno	of ribosomal protei	n of double-strand	regulation of regulation	J	of DNA of	of cytokine			
Column C	transcription	•			•	through	nost cell		checkpoint	clustering		elongation	centromeric	polymerization	chemotaxis		response	notaxis	gene transcription by RNA polymerase	break repair via nonhomologous end			ethylation	т р	roduction	production	production
		into host cell		latericy	nacioai ogroco	nuclear pore	nucleus	cellular	establishment of	mitochondrial	positive	- Januari	rogulation		Onemotaxis					joining	activity sp			Toduction			
Second Color Col	fusion of viral			membrane	membrane	mitigation	modification			outer membrane		regulation of		sister					Dy negative				nacioad	ocitive regulati			positive regulation of
Column C	membrane with		intracellular	disruption	fusion	of host	by symbiont	bud site	chromatid	translocase	of primary		Of	chromatid	negative regulation of pentidoglycan	nega	tive regulati	on virus of hos	t regulation	negative	e regulati	ion of	po	of granulocyte re	gulatior	of type	umor necrosis
Company Comp	host outer		transport		involved in		of host	selection				orani-otion			recognition protein			RIG-I activi	V telomere	_	_		col	olony-stimulati			factor
Part			of virus				cellular		regula	ation of c	cell sept	um asse	mblytion	Dionemation	signaling pathway	of im	nune respo	ารย	maintenance D	NA met	abolic pı	ocess:	rochromatin	ector productic inte	rferon r	oroductic	on production
Column C	membrane			organism	into host cell	by virus	component		establishment of	mitotic							suppress	ion by suppression b	telomerase			a	assembly			***	
Part	modification	modulation	modulation	negative	pore						-		synaptonem	nal vacuolar		suppression by	by virus of virus of	host	negative		- 1			positive	ositive po	ositive	
## PROPERTY OF STATE	by symbiont	by virus	of process	J	formation	receptor-mediated	regulation	nucleosome		contractile ring		pole body	complex		negative regulation of type I		TRK1 a	rtivity	regulation of	regulatio	∩			regulation of			suppression
Second S		.,			by virus in		of viral	assembly	conesion	localization		duplication	assembly		interferon-mediated	anugen processing and	nost innate	3ignaing pain	transcription by	of recent	or suppression	Dy	int	iterreron-beta		interferon-ga	n of by virus of
Certificity County of the Coun		UI HUSI	or other		membrane of	to host cell	transcription		homologous	mitatia sistar					signaling pathway	presentation	suppress		and the same of th		virus of ho	virus of ho		production pro	oddollori	production	ion host gene
Color Colo		process	organism	replication	host cell			centriole	chromosome		proteasom	e spindle	100000 100000 100000 100000 100000				interferon	The second secon		recycling		імг-карра	aB = E		proc	duction	expression
Solicitics process involved in symbolic interaction from the process of the proce	modulation	release			viral	viral	inal DNIA	replication	pairing at	chromatid		pole body	chromosome				suppression signaling			regulation of	f Ture delivi	·	vity	р	ositive		
	biologi	cal proc	ess inv	olved in	symbio	otic inte	eraction	replication		biorientation	assembly	organizatio	n		positive regulation of CD4-positive,		by virus of suppression		nuclear-transcribe	a C	suppression	by		regulation of reg	ulation of regulati	tion of cytokine	NAME OF TAXABLE PARTY.
Column C	of host	TION VIII	II IIOM nucleal	mom piasma		capsid	genome			monopolar	protocooms	J. ga. iizatio		華田幸富田田舎田			Сарріссової	d cytoplasmic					inte	nterferon-gamma inter	rleukin-6 producti	natory response	
THE PARTY OF THE P	process	latency	membrane	membrane		assembly	packaging	chromosome localization				spore wa				complement	activity pattern recog	nition receptor	decay			The same of the same of the same		production pro	oduction		
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The state of the control of the cont	programmed		genome	integration	genome	genome		activation of	negative		p	ositive regulation	positive	positive	reaction	formation	waii copi		cytokinin	to	in other	migration	signaling	\a	involved in conjugat		d receptor signaling
The state of the s	cell death	signal transduction	replicatio	n into host	packaging	replication	latency		regulation of			_	regulation of	regulation			assembly	partitionin		nheromon	organism	mgration	pathway	_	· Willi Colloid TodalOi	signaling pathway	y pathway via STAT
Comparison Com			viral DNA	DNA		'	, i		phosphatase	in inactivation of protein kinase activity			histone H4	of isotype								_		nogotive	الساق		
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wild of wild be a property of the property of			replication	Cycle		_{ng} from hos	Streplication	cysteine-type	regulation of	regulation of m		- T			rertilization				anobyto	aotivati	J V	Calvation		. ogala		Jigi iaiii ig	signaling
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Posperson symbol and the symbol and	cellular	of virus	entry int	0 '	vir	al v	ririon	no notive	pogativo	positive	positive	p00.10			stem cell		- sermarius	anderived ear	to gamma				signaling pathway			aved iii	aled
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Process development of the process o		DNA				double-strand	d		species biosynthetic				acti	vity ADP-ribosylation	ocparation			print print and	CD8-positive				myoloid	/ I	clearance of	defense	defense
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process of development of the control of the contro	biosynthetic	involved			restriction-modification		single-strand					positive reg	ulation		mating type	single :	cell division		k	eratinization d	ifferentiation	of dauer			intracellular	response	response
The periodic of the periodic o	process			replication	-,		nonhomologous ends	·	negative		positive re				determination	fertilization						air	merentiation	response	nucleic acids	to fungus	to virus
population of process		development				recombination				regulation of	regulation of t		osterol		- Joteliiiiauoli	ior unzauori	per pero donor promo months asserting	_=					norulation	i	mitigation of		response
activity in the control of the contr		gene	meiotic DNA	meiotic DNA	meiotic DNA	no itario accesiol	mitmil	of peptidase		dephosphorylation	In the second	response bios	ynthetic ==				Cystoblast ascospore was grant as and associated distance as a second se		central		per	incuriai .		السوال	haat dafanaar		
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DNA glucosicular process proce	process	mating-type	formation involved in reciprocal meiotic	break	break		biosynthetic	DNA damage resposes	e negative	negative_	positive	positive	positive	positive	amino acid	heme	heme he	xose tissue	shoot s	ystem n	norphog	enesison	mation of a	esponse mediated	.5151136	. Sopons	
DNA glucosnotate process proce		locus	recombination	formation	processing	process	process	signal transduction	regulation of	regulation of	regulation of	regulation of	regulation	regulation of	transmembrane		transn		t dovolopment	development	- 9	Cel	ilular spore	by antimicrobial	o other	organism	m
DNA glucosinotate or process p								by p53 class mediator resulting	execution phas	e transposition.	chromosome		of mast call		transport	export	transport tra	nsport	acvolopinent		sto	matal	Description of the second		symbiont of	response	mmune contains to hose
Diosynthetic process p	DNA	alucosinolate	nucleic acid	rhodopoin	RNA	RNA-dependent	SCF-dependent				ام	cells of other						a latina	industive	liquid					host immune	host immu	une
Process proces		U	phosphodiester				proteasomal	modulation by				organism	activation		I –lysine	phosphatidylserine	positive		inductive		etenhlast	-1000-	差		·	response	e =====
Integration of process integration of process of proces		nrococc	bond	biosynthetic	bond	biosynthetic	protein catabolic			negative		regulation of	rogulation	regulation	transmembrane		requiation of		cell-cell	open de	evelopment patt	erning					
NA catabolic process p		process	hydrolysis	process	Tiyurolysis,	process	process			regulation of	f regulation o	f killing of	regulation of	of neuronal	transport									rooponoo		response t	to mag
DNA catabolic process, endonucleolytic recombination process and process of the p	nuc	<u>eic acid</u>	a pnosp	nodiest	er bond	<u>nydrol</u>	ysis					-	macrophage	9 .		Cell sunace	into nuclous		Signaling	system	cleavage teacher to question a	Manage Ma		response	host immune	interferon-gar	amma
process endorucleolytic recombination of some requisition of companies of some regulation of specific regulation o	DNA catabolic			4010	telomeric			process	migration	J p. 00030	proliferation	organism	migration				protein	attachment	of						response		
endorucleolytic recombination stand annealing process of integration of process. DNA double-stand break processing process of a damage. DNA double-stand annealing process of integration of integratio	process,		peptidyl-cysteine	telomere	3'	terpenoid	transcription,	modulation by	negative	positive regulation				plasticity	monosaccharide	notassium ic	n ii protei	n insertion					-1 **	cell	negative	positive	positive
DNA manney-incestand processor integration of integ		recombination	S-nitrosylation	capping	overhang	biosynthetic process, mevalonate-dependent	RNA-templated		or DOS	itive rea	ulation	f cell kill	inappressi	ion suppression				ne involved microtubul		CVICIVS	IS cell	photosynthesis		competition in	regulation of		regulation of
Lewis a epitope protein processing processin				- capping					localization	itive regu	ulation C	OI SVINSION	IC by virus				matrix. in a	poptotic	3	""		p	partitioning	a multicellular	r multicellular	r .	osteoclast
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with damage in regulation of process in transposition, process of process of integration of inte	DNA double-strand		protoin	maintenance			printers applicate	modulation by	negative	positivo regulation	regulation				mRNA		protein	AND							regula	ation of 🖺	
DNA managed in the gration of integration of internal integration of integration	involved in repair via			in response		11.				positive regulation of cell		4	БУ	activity	export	prostaglandi	proton:	ATP	oce utili-	zina aut	onhagia	machar	niem	regulation of bone	ne		INTERNAL CONTROL OF THE PARTY O
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DNA integration in		process				and cleaved			muście cell	electrical coupling	a		ost		nucleus		outer membrane					transposition,	intercellular				
integration integr						and cleavag			proliferation		organization	mitotic cell cy	cle			protoin			chromooc			KINA-mediated	transport		aittere	ntiation	五 董 I I I
integration integr				telomere			= = = = = = = = = = = = = = = = = = = =	modulation by	negative	positive	regulation	suppression	by		mRNA		regulation			KIIIIna oi					positive	regulatio	2002-000-000-
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necombination process cell division process envelope envelope envelope envelope envelope development development development development development envelope		mannosyl-inositol phosphorylceramide biosynthetic		maintenance	tRNA threonylcarbamoyladenosi			virus of host			f of germ.ca	virus of hos					of insulin	OCII Wa		cells of oth	er transposition	on				of hono	二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二
checkpoint process checkpoint process envelope matrix Secretion process envelope matrix		mannosyl-inositol phosphorylceramide biosynthetic process	meiotic	1	tRNA threonylcarbamoyladenosi modification	ine E i E E		VIRUS OF HOST G1/S transition		regulation of		apoptotic				mitachandria	of insulin		. the muslean	cells of oth	transpositi	on E		chondrocyte	of gonad	of bone	

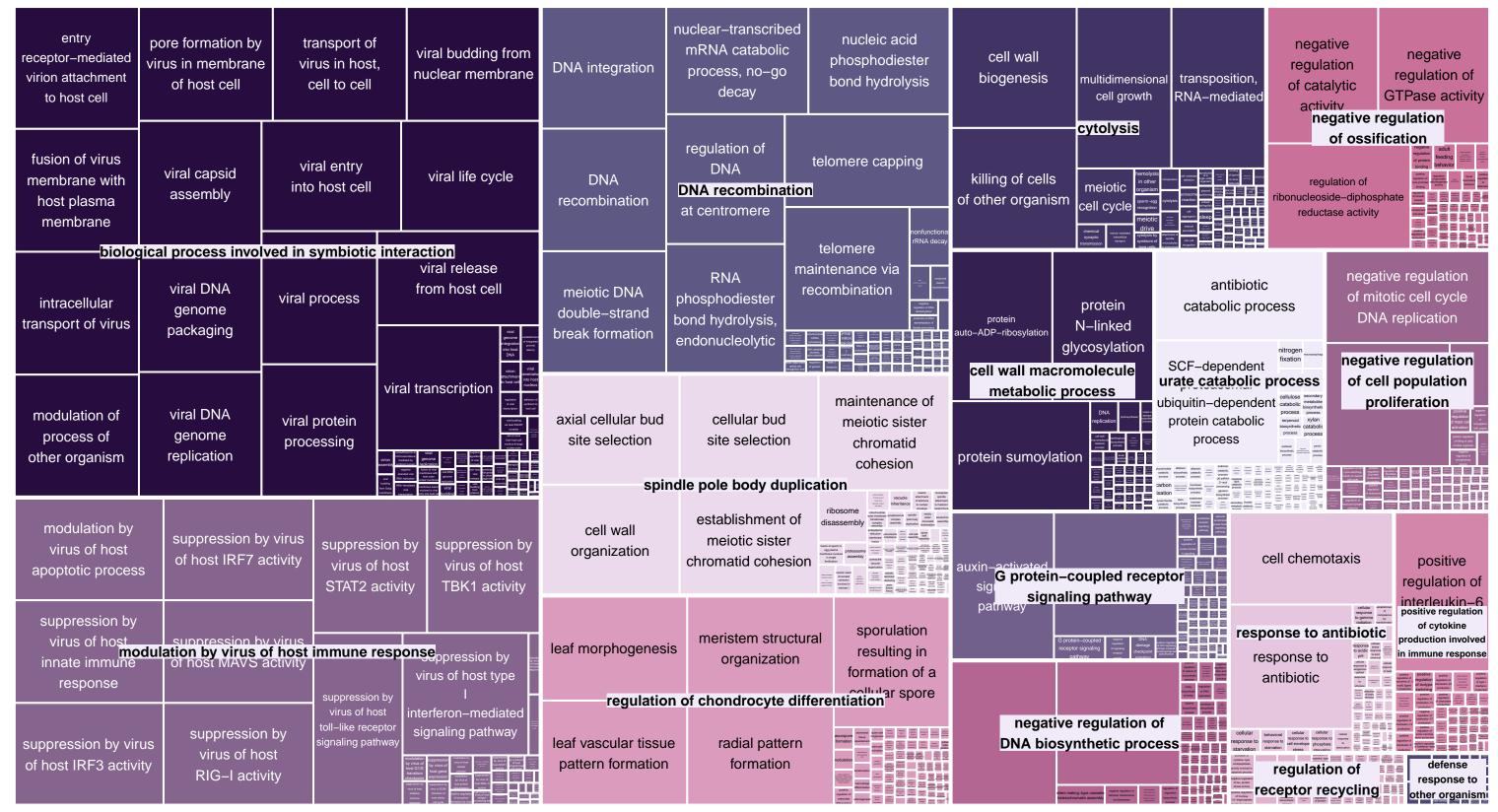
Porifera BP TreeMap



Priapulida BP TreeMap



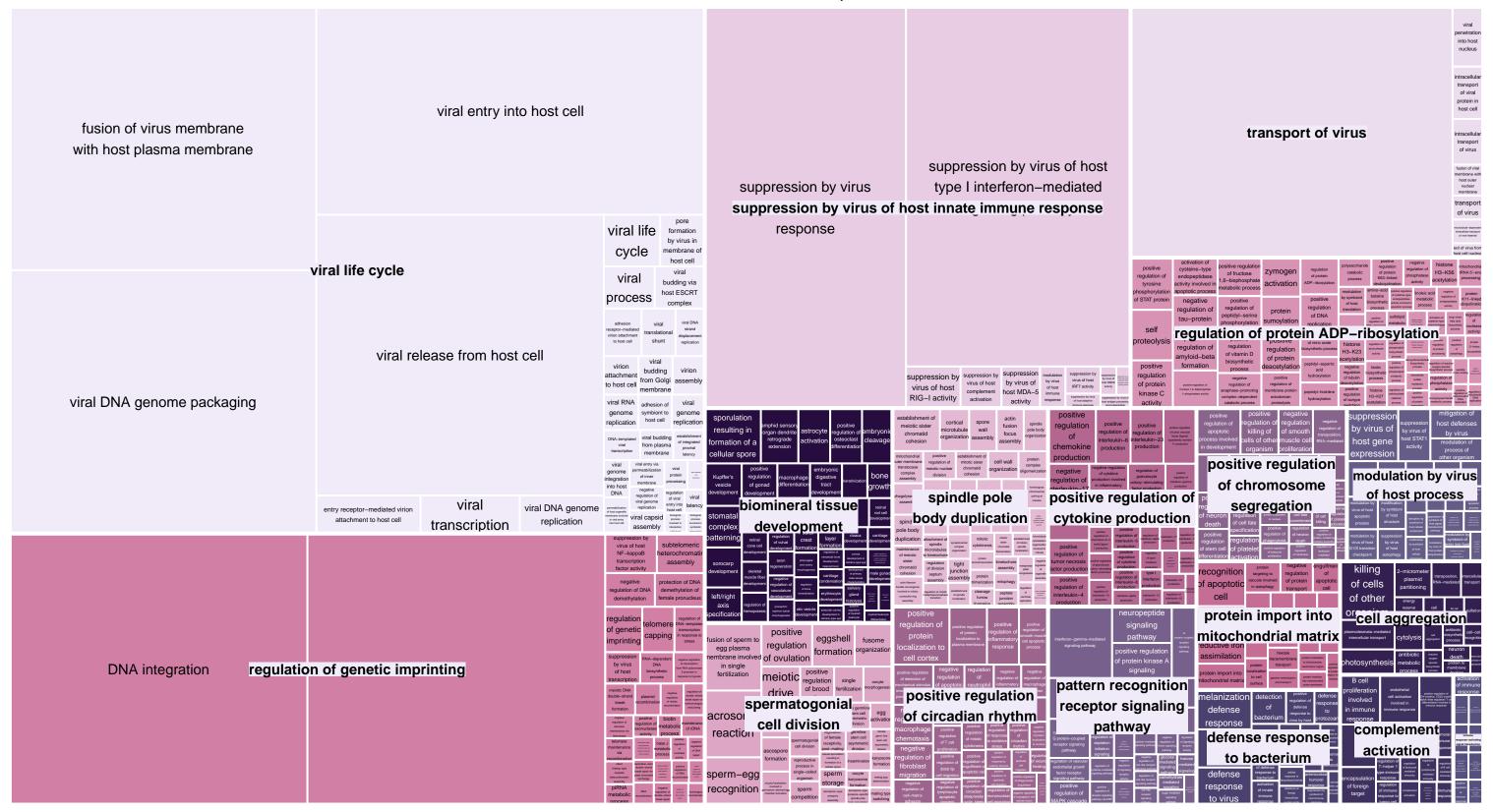
Rotifera BP TreeMap



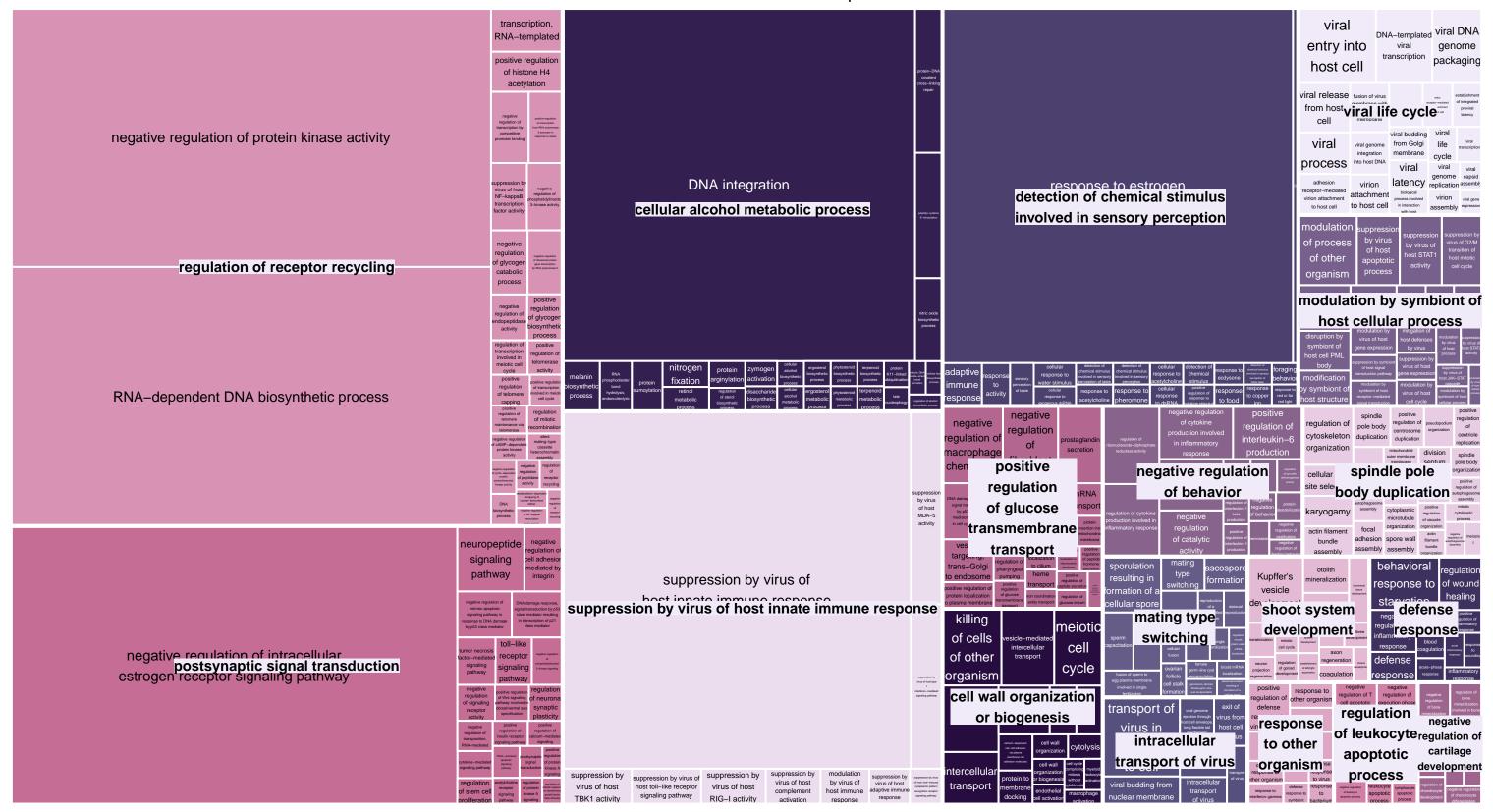
Tardigrada BP TreeMap

						3.5	ida Bi iloomap						
adhesion of symbiont to host cell	modulation of process of other organism	transport of virus in host, cell to cell	viral budding from nuclear membrane	viral capsid assembly	negative regulation of catalytic activity	nitric oxide homeostasis	platelet aggregation	DNA integration	DNA recombination	killing of cells of other organism	meiotic cell cycle	blue light signaling pathway	endothelin receptor signaling pathway
entry receptor–mediated virion attachment to host cell	viral DNA genome packaging	viral genome integration into host DNA	viral life cycle	viral penetration into host nucleus	negative regulation of coagulation	positive regulation of detection of mechanical stimulus stem cell popul perception of touch	regulation of ribonucleoside–diphosphate reductase activity ation maintenance	nuclei nuclei phosphophosph bond hybond hy	odiester nere odrolysis ping	sper <mark>cell aggre</mark> recognition	egation mediated intercellular transport	G protein-cou signaling estrogen receptor signaling pathwa	pathway
biol	logical process	involved in sy	mbiotic interac	tion			vasodilation in	RNA-dependent	RNA International Plant Part Part Part Part Part Part Part Par			nouronontido	# Spile of Telegraph Spile o
establishment of integrated proviral	viral DNA genome replication	viral process	viral release	viral transcription	negative regulation of GTPase activity	regulation of pyruvate dehydrogenase activity	other organism	biosynthetic process	hydrolysis, endonucleolytic transcription RNA-templated transcription RNA-templated transcription transcrip	transposition, RNA–mediated	Col Wall	neuropeptide signaling pathway	
latency	ropileation				,				a a wa ifi a al	positive pos	sitive regulation	negative	positive regulation
fusion of virus membrane with host plasma	viral entry into host cell	viral protein processing	virion assembly	March Marc	response to	detection of chemical stimulus involved in sensory perception of taste	ecdysone	cellular bud site selection	envelope assembly	nterleukin–6 fac production positive regu	production		of cysteine-type endopeptidase activity involved in f isoprenoid
membrane				Company		detection of stir	mulus response		oteasome statements		uction involved in nmatory response	regulation o	regulation of segulation specification of segulation people of segulation specification segulation segulation segulation segulation of segulation segulation of segulation segulation of segulation se
modulation by virus of host	suppression by virus of host	suppression by virus of	suppression by virus of	suppression by virus of	detection of chemical stimulus	estrogen	to UV-A	sister	centricle waster	nterleukin–8 production	production of regulators of re	nrocess	
apoptotic process	apoptotic process	host IRF3 activity	host IRF7 activity	host MDA-5 activity	involved in sensory perception of sweet taste	response to histamine		cohesion and the same of the s			fusion of spe egg plasm		positive
transition	suppression by virus of nodulation by nost gene expression	by virus of	suppression by suppression by suppression by virus of host number responses that a delivity	virus of host	cytokinin biosynthetic process	nitrogen fixation	protein sumoylation	biomineral tissue development	lactation	crosome ascosno egg coat reaction formation	formation single	mRNA regulatement	cion of DNA al
checkpoint	suppression			ppression by us of host type		oprotein metabo	plic process	biominera develop	ment	nogativo	sporulat	via splicecacine demethylation repeats	prigration of the control of the con
suppression by virus of G2/M transition of host mitotic cell cycle	by virus of host innate immune response	hoot CTATA	suppression by virus of host coll-like receptor interf	feron-mediated naling pathway	deoxyribonucleoside monophosphate catabolic process	peptidyl-cysteine S-nitrosylation	biosynthetic process, mevalonate-dependent	dentin-containing tooth	upariation re	negative gult sporulation non(formation of a evelopment	_	of a defens	e response
	100001100		insignation of insignation of host defenses the by virus God	Address of hour state of hour			Scorphatic	bone mana mineralization except	ASSESSION STATE OF ST		competition is embryonic specification a multicollular desvege consoler conso	Appendix Section 1997 (1997) Append	The state of the s

Urochordata BP TreeMap



Xenoturbellida BP TreeMap



Acoela CC TreeMap



Annelida CC TreeMap

host cell cytoplasm part	host cell endoplasmic reticulum membrane	host cell endoplasmic reticulum	host cell endoplasmic reticulum–Golo intermediate compartment	gi endosome membrane	host cell endosome	acrosomal lumen	acrosomal vesicle	chloroplast outer membrane	cell cortex of cell tip	cellular bud neck	cellular bud tip	3M complex	cer	rl-CoA ramide nthase mplex	condensed nuclear chromosom	DASH	d complex
host cell cytoplasm	host cell Golgi apparatus	host cell mitochondrion	host cell nuclear envelope	host cell nuclear inner membrane	host cell nuclear matrix	extrinsic compigment mitochondrial outer membrane	granule mer cisterna	mbraneM complex	dendri <mark>cell</mark> cytoplasm	ular bud ne mediai cortex	outer membrane-bounde periplasmic space		f	factor receptor	RNA polymerase I transcription regulSix1-S complex	Slx1-Slx4 Slx4 comp	svnaptonemal plex _{implex}
host cell cytoplasmic vesicle	host cell Golgi membrane	host cell host intracel membrane	host cell lular organe	host cell Ile nucleus	host cell perinuclear region of cytoplasm	fungal-type vacuole membrane	sarcoplasm reticulum membran	establish for the first	hemidesmosom	e postsyna neuroma junc	uscular ilam	DNA polymerase complex	viral terminase arge subur	entition the same and and	RNA polymerase transcription factor SL1 complex	synaptone structur	Swr1 rDNA
membrane host cell cytosol	host cell junction	host cell nuclear part	host cell plasma nembrane	PML body	host cell riral assembly compartment	central plaque of spindle pole body	cytoskeletal calyx	nematocyst	adhesive extracellula matrix	collagei r IV trii	n type r	meiotic spindle ole body fib	nse membr	plasma rane-derived hylakoid embrane		complex	transcription export complex
host cell endomembrane	host cell membrane	host cell	host cell lasmodesma	ost cytoskeleto	intracellular organelle	centriole s	spectrosome theca	r spindle pole body	egg chr <mark>enc</mark> a	xternal apsulating ructure	\$	spindle ole body mus	al body striated scle myosick filament		SOSS SOSS complex	tRNA-ir endonuc	ntron TRAMS complete
system		c fungal-type		nembrane-bounde organelle ascus	cell	chlorosome envelope	preprophas band	·	peptidoglycan-base cell wall	d spore wa	Total	Catopei	polysaccha eptor comp	aride plex trans	iary speri	mono m immu us co	omeric IgA noglobulin omplex
chloroplast	reticulum	vacuole	complex	epiplasm	envelope	cell outer membrane	external side of plasma membrane	prospore membrane	autosome	chromo telom regi	some, heric dea on	channel col ath-inducing		complex product and starting	notile cilium	immu	noglobulin omplex, culating
Golgi Iumen	mitochondric	nucleus en	cellular bie	xtracellular reç	host cellular ionmponent	cornified plas envelope	sma membra membrane	VIIION	centro	emosome, meric regio	n anap	hase-promoting ace complex	complex		cipal	dime immur	cretory eric IgA noglobulin
microneme	retrotransposon nucleocapsid	storage vacuole	extracellula region	r membrane	periplasmic space	dendrite membrane	thylakoid membrane		monopolin	telomere comple	ex po	RNA dosag	plex processing located ge compensation lex, transcription activating	inflar	NLRP1 mmasor <mark>Cvt c</mark>	oroteasom	/ telegration bytakon

Arthropoda CC TreeMap

												_									
host cell cytoplasm part	host cell endoplasmic reticulum membrane	host cell Golgi apparatus	host cell Golgi membrane		host cell late endosome membrane	host cell membrane	chloroplast ^e	ndoplasmic reticulum	female pronucleus	fungal–type vacuole	bicellular tight junction	cellular bud tip	dendrite cytoplasn	dendrite n membrane ⁶		ollular matrix	gg orion egg	coat comp	I type IX		EKC/KEOPS complex
host cell cytoplasm	host cell endoplasmic reticulum	host cell mitochondrial inner membrane	host cell nuclear membran	host cell nuclear part	host cell nucleolus	host cell nucleoplasm	Golgi Iumen	microtubule organizing center attachment site	mitochondrior	nucleus	cell cortex of cell tip	type ľ	postsynapse of V pilus ular junction	ruffle ^r membrane	cell wall <mark>ext</mark>	racellular r	prim matrix _{cell} v	wall syntha	ide lipoproteir DNA repa ase particle	air complex	rotein-lipid complex
host cell cytoplasmic vesicle membrane	host cell endoplasmic reticulum-Golgi intermediate compartment	host cell	host ce nucleu tracellula host ce	nost cell S plasmodesm r organelle	body	host cell surface	lysosomal lumen male	microl peroxisome	retrotransposon nucleocapsid	rough endoplasmic reticulum lumen	cellular bud neck	outer membrane-bounded periplasmic space	sensory dendrite	junction =	extracellular I	_{al-type} spo Il wall wa	I envelo	pe collaç trim	Jen protein-carbohydrate	SCF ubiquitin ligase complex	
host cell cytosol	host cell endosome membrane	nuclear envelope host cell nuclear inne	part host cell perinucles region of	viral asser compartm	mbly host nent intracellul organelle	le e els	pronucleus microneme	pronucleus	storage vacuole	vacuolar lumen	Atg1/ULK1 kinase complex	Cvt comple	nhragmo	plasma membrane-deriv chromatophore		azurophil granule lumen	endocytic		omicron imm	unoglobulin immu complex c	tameric IgM nunoglobulin complex
host cell endomembrane system	host cell endosome	host cell nuclear matrix	cytoplasn host ce plasma membra	host intracell membrane-bo	symbiont-containir lular vacuole unded	viral factory	Barr body	nucleoplasm	rDNA protrusion	RNA polymerase I transcription regulator			rl-phosp se compl	tyron I	membrane	body	alpha	specific Co	omp <mark>comple</mark> :	noglobulin k, circulatin	rotoin
actin filament bundle	autosome	bacterial thylakoid	central plaque of spindle pole body	apoplast	ascospore-type prospore	ascus epiplasm	condensed nuclear chromosome	RNA polyme transcripti factor SL	on	complex synaptonemal	BLOC-1 complex	inflammasc complex	l thylal	koid	ATP-binding	dense co vesicle lum	re lumen nen l	lip	oprotein dir oarticle ciliarv	meric IgA lipo unoglobulin pa complex	oprotein particle
centriolar satellite	centriole	chlorosome envelope	chromosome, centromeric region	blood microparticle	cell envelope	cell pole	DASH complex	SAS acetyltransfe comple	erase		cell outer membrane	media e corte	membrane-	na membran phore leading	transporter complex	signaling complex	receptor complex	cilium motile	transition zone		/lis6-Sim4 complex
chromosome, telomeric	condensed chromosome, centromeric	stress	cytoskeletal calyx	cell tip	cellular bud	endospore–forming forespore	linear element	Slx1-S comple	struc	onemal Paul Paul Paul Paul Paul Paul Paul Pa	cornified envelope	plasma	membra mem	nere brane virion membra	CD40	complex	voltage-gated potassium channel	cilium	pilus sition zone sperm	monopolin complex c RZZ con	Ndc80 complex nplex
interphase microtubule		granule I organelle perinuclear	polytene	external cellular encapsulating structure	anatomica region	l entity ular space	organelle membrane	fungal-type	trans	magnetosome membrane	external side of plasma membrane	piasm	a thyla	akoid brane	receptor	pore complex meiotic	mitotic	fibrous sheath	midpiece	outer kinetochore	telomere cap complex
organizing center		theca	interband spindle	host cell	membrane	periplasmic space	chloroplast membrane	lastid me	embrane	plant-type	anaphase-promoti complex	cap con	ere shel	terin SOSS	×	spindle pole body	spindle	sperm flagellum	principal piece	Smc5-Smc6 complex	•
kinetochore	preprophase band	spectrosome	pole body	host cellular component	perivitellin space	polar	thylakoid membrane			membrane sarcoplasmic	chromatir silencing complex	THO comp	complex lex core	omerase catalytic complex	chromosome subtelomeric region	outer septin ring fiber	membrane-derived thylakoid membrane		nuclear membrane microtubule outer mitoo		SAM complex
mating-type region heterochromatin	sarcomere	chromoson	obcomo and obcomo obcom	intracellular immature spore	photorecept inner segme		extrinsic component of mitochondrial outer membrane	outer	plastid membrane	reticulum membrane	Mre11 complex	RN/ polyme V com	rase end	NA-intron lonuclease complex	intermediate filament	P granule		mitochomen ribonuclease P complex	membrane	complex	provide Regulator

Brachiopoda CC TreeMap



Bryozoa CC TreeMap



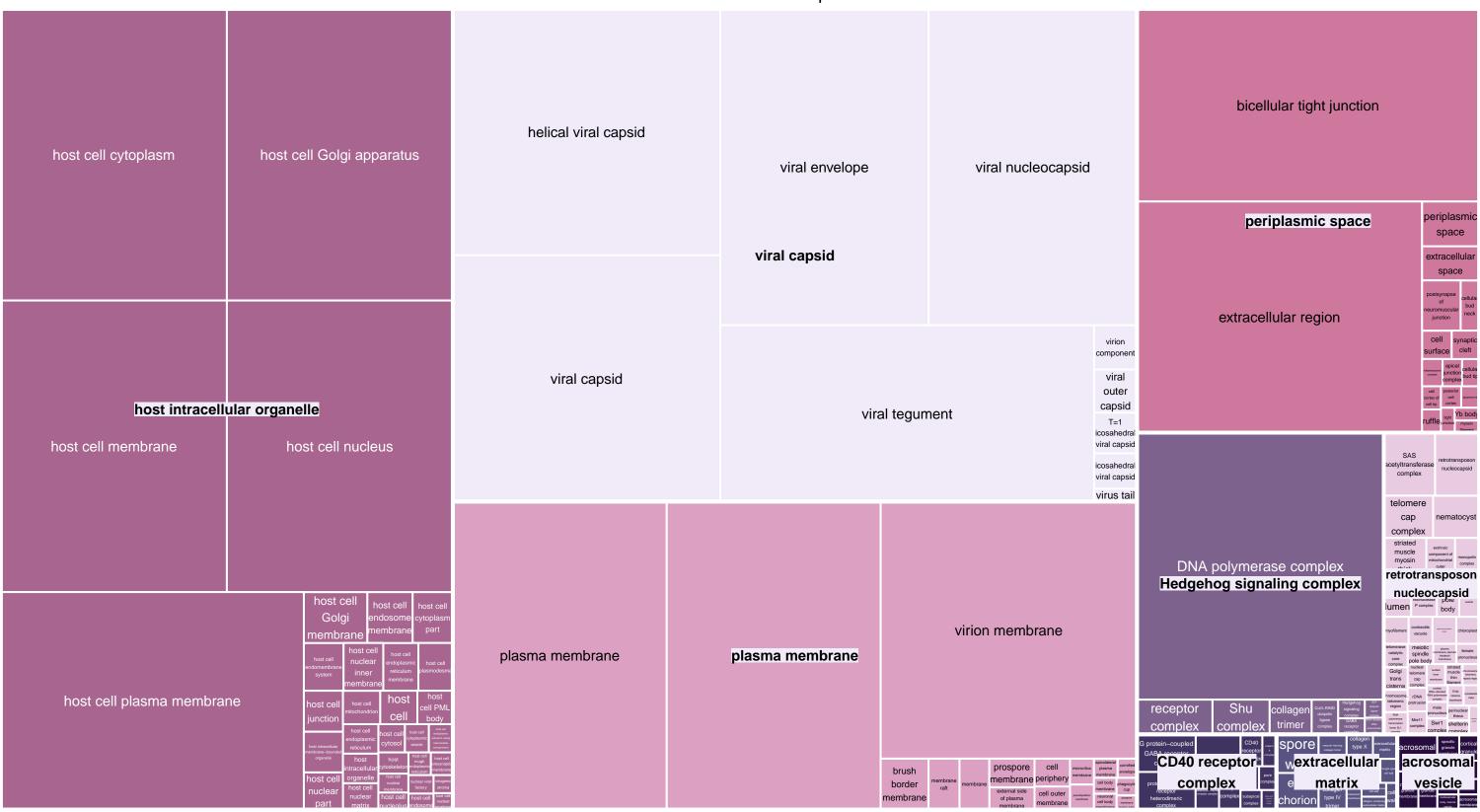
Cephalochordata CC TreeMap



Chaetognatha CC TreeMap



Cnidaria CC TreeMap



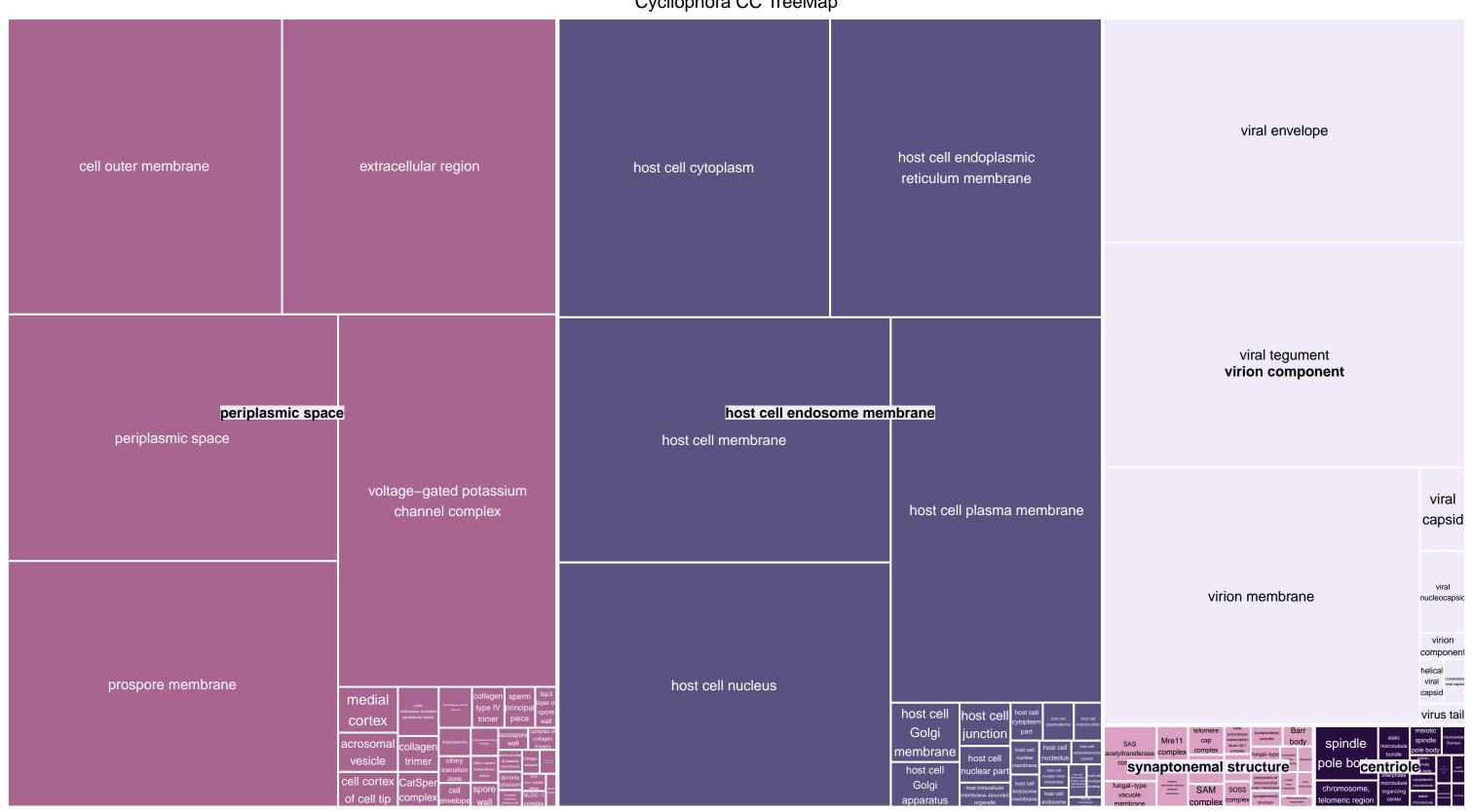
Craniata CC TreeMap

		exin plex	external side of plasma membrane	host cell nucle inner membrar		st cell ear part	nost cell nucleolus	blood microparti		tracellular space	helical viral capsid	viral envelope	viral nucleocapsid	acrosomal vesicle	lamellar body
filopodiun	m	nlasma	a membrane	host cell nuclear matri:	host cell i	nuclear part	host intracellular hembrane-bounded organelle	cell su <mark>ex</mark>		photoreceptor region ³ gment		viral capsid	virion		ion-derived vesicle
	ne asma m	' lembra		host cell nucle membrane		st cell I	ost intracellular extrace		lar m	virion :: : : : : : : : : : : : : : : : : :	viral capsid	viral tegument	virion component	cortical granule	zymogen granule
membran	membrane trans		rming prosper riccovita rentings with	axonemal interme microtubule filam		mediate	keratin filament	host cell cytoplasm part		host cell Golgi apparatus	acrosomal membrane	ficolin–1–rich granule	endosome	cone photorecepto outer segmer	nioco
MHC class II protein complex		factor beta ligand-receptor complex						host cell host cell cy cytoplasm		host cell asm partbrane		osome membrane zymogen granule		photorecepto outer segmer membrane	sperm
Cajal body		ntral chloroplast ment		chlorosome striated muscle envelope dense body			muscle myosin thick filament centrole toponin	roticulum		host cell	nost cell	host cell plasma membrane			fungal-type vacuole membrane
mitochondr	mitochondrion nucle		DNA protrusion DNA		IgD mmunoglobulin	IgG immunoglobu complex	IgM ulin immunoglobulin complex		inflammasc	MLRP1	system hos host cell	t cell part host cell		at peptidoglycan-based cell wall ellular matrix	plastid membrane fungal-type vacuole
omegason	omegasome	retrotransposon nucleocapsid		complex	complex collage	en trimer		procentriole rep				membrane plasmodesma		immunoglobulin	astrocyte projection
plant-type endo vacuole ret	rough endoplasmic reticulum lumen endoplasmic reticulum	complex	lgE mmunoglobulin complex	immunoglobuli complex	subcortical n maternal complex	cell cortex	NLRP3 inflammasor complex	regulatory	SIx1-SIx4 transcriptio complex	telomerase catalytic n export comp core complex tatalytic step spliceosome THO transcript complex complex	Cocky and a second	complex	stereocilia ankle linka postsynapse of neuromuscular junction		

Ctenophora CC TreeMap

				extracellular region	posterio cell corto telomere	extrinsic component of		trichocyst	retrotransposon nucleocapsid		chloro	pplast
				voltage–gated potassium channel complex	cap complex BLOC-1 of collagen trimer	outer membrane	ic monopolir complex	Cul3-RING ubiquitin	PML body	Slv1_Slv/ Slx1-Slx4 comple complex	× THO a	omplex
host cell nuc	cleus	hosi	t cell cytoplasm	ruffle	postsynapse of neuromuscular			attack complex basement membrane acrosomal	telomerase	SAS acetyltransferase complex	nucleolar chromatin	rDNA protrusion
host cell endosome					junction	membrane	complex	vesicle	catalytic core complex	transcription export complex	transcription	Mre11 complex
			virion membrane	viral tegumen		viral nu	cleocapsid	host cell membrane			host cell junction	
host cell cytoplasm p host cell Golgi apparatus		host cell nucleolus	host cell Golgi membrane host cell host cell		viral ca	Vi	rion compon	T=1 ent icosahedral viral capsid			1	H
nost cell Golgi apparatus	host intracellular membrane-bounded organelle	host cell endoplasmic reticulum membrane host cell endoplasmic reticulum host cell mitochondrion host cell not cell not cell nuclear membrane		viral envelope	viral ca			icosahedral viral capsid	host ce	II plasma membra	ne	host cell plasmodesma

Cycliophora CC TreeMap



Dicyemida CC TreeMap



Echinodermata CC TreeMap



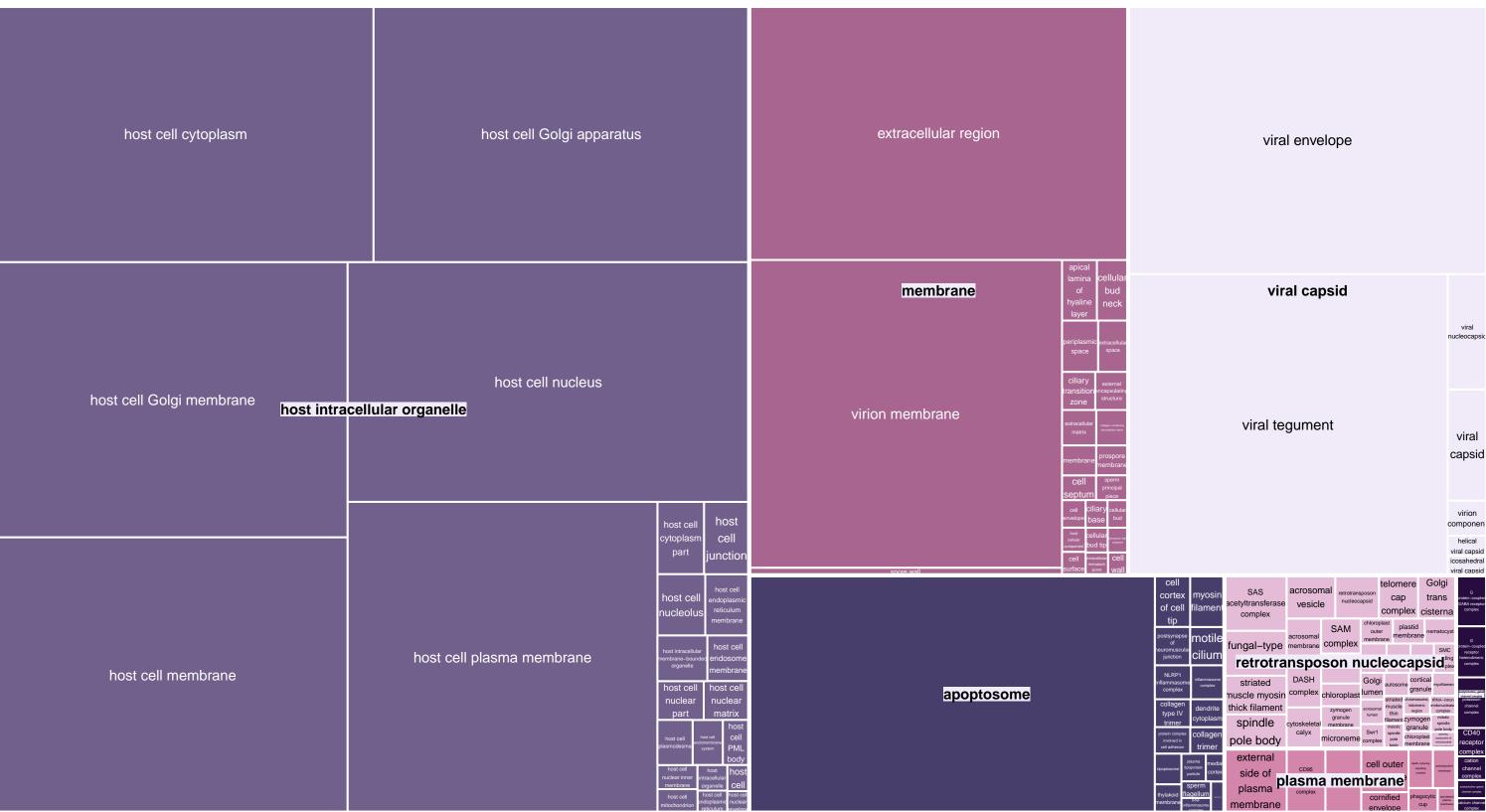
Entoprocta CC TreeMap



Gastrotricha CC TreeMap



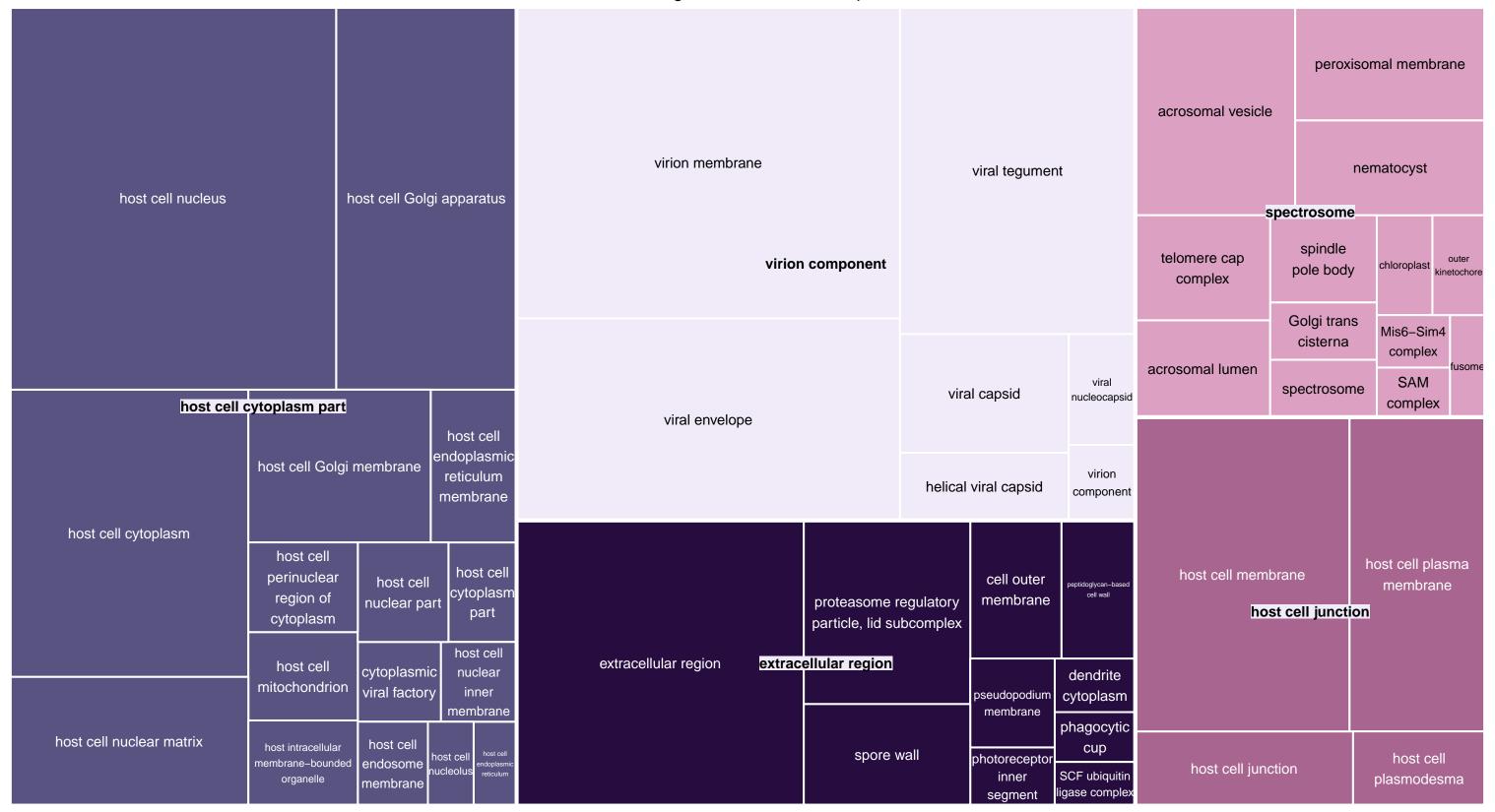
Hemichordata CC TreeMap



Kinorhyncha CC TreeMap

host cell cytoplasm part	host cell cytoplasm	host cell endomembrand system	host cell endoplasmic reticulum membrane	helical viral capsi	id viral env	viral envelope		eapsid	extracellular region	outer membrane–bounde periplasmic space	
host cell endosome	host cell Golgi	host cell Golgi membran	host cell junction	icosahedral viral capsid	virion con	nponent	virus tai	l	magnetosome membrane	membrane	virion membrane
membrane	apparatus		e Heat companient	viral capsid	virion com	virion component		virus tall baseplas Tul manaman mal request Viral outer Capsic	membrane	postsynapse of neuromuscular junction	prospore type IV man hydrod the first man to the first ma
host cell membran		ular organelle host cell nucleolus	host cell nucleus				viral cansid decuration	capsic wus tal, tube	cell outer membrane	egg chori	anvisione anvisione
host cell mitochondrion	host cell plas		nost cytoskeleton	acrosomal vesicle	endoplasmic reticulum retrotransposon	nucle nucleoca	us nucled	nsposon ocapsid	peptidoglycan-based cell wall plasma	spore wal	DNA polymerase viral terminase complex
host cell nuclear inner membrane	host cell plasmo	membr	host intracellular host cell organisms membrane—bounded organelle host cell organisms virial factory pML bot factory pm bot cell		chloroplast nematocyst		tungal-ty/vacuole Golgi cis cisterna ere cap mplex spindle pole pole pole manue spindle spindl	Golgi jumen koymensi kararisini k	plasma membrane	voltage-gated potassium channel complex	dendrice den

Micrognathozoa CC TreeMap



Mollusca CC TreeMap

host cell cytoplasm part	host cell cytoplasm	host cell cytoplasmic vesicle membrane	host cell cytosol	host cell endomembrane system	anaphase-promoting complex	meiotic nuclea membrane microtubule tethering comple	Mre11 complex	RNA polymerase I complex	chloroplast	endoplasmic reticulum	fungal–type vacuole	autosome	central plaque of spindle pole body	centriolar satellite	astral microtubule	cytoplasmic stress granule meiotic
host cell endoplasmic reticulum membrane	host cell Golgi apparatus	host cell Golgi membrane	host cell junction	host cell membrane	DASH complex	RNA polymeras transcription regulator compl SIx1-SI	complex x4 complex	Slx1-Slx4 complex	Golgi Iumen	microneme	mitochondrion	chromosome,	cytoskeletal calyx	myofilament	intermediate filament	spindle pole body
host cell endoplasmic reticulum	host cell mitochondrion	host cell nuclear membrane	host cell nuclear part	host cell nucleolus	female pronucleus	RNA polymera transcription factor SL1 complex		tRNA-intron endonuclease complex	nucleoplasr	microbody n peroxisome	retrotransposon nucleocapsid	nematocy	otubule bu	ndle spindle	miseptin fila spindle pole body	ment array plasma membrane-derived ttylakoid membrane
host cell endoplasmic reticulum–Golgi intermediate	host cell	ntracellular of host cell nucleoplasm	rganelle nost cell lasmodesma	host cell PML body	male pronucleus	SAS acetyltransfera complex	se THO complex	PML Barr Sur! secretary Caja Sur	omegasom		contraction with the contraction of the contraction	perinucle theca		pole body	dense	striated size of the control of the
host cell endosome membrane	host cell nuclear inner membrane	host call	surface membran	racellular e-bounded intracellular anelle organelle	bicellular tight junction	cellular bud tip ju	gap unction	myosin filament	adhesive extracellular matrix	vacuo ascospore wall	cell outer membrane		aster EKC/KEOPS complex	lipoprotein	extr chloroplast _{compo}	nsic nent of ondrial vacuole
host cell endosome	host cell nuclear matrix	host cell plasma membrane	host /toskeleton	ont-containing vacuole	of cell tip	dendrite preceptor dis	ostsynapse stal connecting uromuscular junction	podiam	external er	ncapsulating	structure cell wall				mem	embrane sarcoplasmic
ascospore-type prospore	cellular bud	host cell	host cellular component	intracellular	cellular		embrane	sperm = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 = 4 =	fungal–type cell wall	spore w	rall	complex	nunoglobulin complex	omplex	outer nembrane	membrane
ascus epiplasm	ciliary transition zone	membrane	photorecepto inner segment	r sperm fibrous sheath	helical viral capsid	viral capsid	viral outer capsid	viral procapsid	CatSper complex	death-inducing	external side of plasma	medial co	thylal thylakoi d		acrosoma lumen id <u>chit</u> acrosoma	lamellar osome ^{body}
cell envelope	extracellular region	tracellular re periplasmic space	sperm midpiece	sperm principal piece	icosahedral viral capsid	viral virion o envelope	viral component tegument	virus tail	CD95 death—induci death—indu signaling complex	complex no. licing signaling lipopolysad receptor o	membrane g complex charide	membra Mis6-Si	m4	telome	re	extracellular exosome existing exosome existing
cell tip	extracellular space	phagocytic cup	sperm mitochondrial sheath	virion membrane		viral nucleocapsi	virion d component	virus tail,	cornified envelope	voltage- potass	gated	monopo	dc80 comp lin	cap comple	inflammas comple	granule

Nematoda CC TreeMap

host cell cytoplasm part	host cell endoplasmic reticulum–Golgi intermediate compartment	host cell endosome membrane	host cell Golgi apparatus	host cell Golgi membrane	helical viral capsi	d viral envelop	oe nu	viral cleocapsid	extracellular regior	extracellular spa	ce dendrite cytoplasr	of plasma
host cell cytoplasm	host cell mitochondrion	Hucicai	host cell nuclear part	host cell nucleolus	icosahedral viral capsid	viral capsid viral outer	capsid	virion component	membr <mark>extrace</mark> ll	polar tube <mark>ular region</mark>	postsynap neuroiilus junctio	se of polyage gated open potassium channel
host cell cytoplasmic	host (host cell	membrane endoplasmic reti	culum		viral capsid	viral tegu			periplasmic	virion membrane	con solidation to the body of	complex
vesicle membrane host cell	envelope	host cell nucleoplasm	host cell perinuclear region of	host cell viral assembly compartment	cytoskeletal			Total consideral virus and the consideral viru	space	cellular	prospo membra	compartment
endoplasmic reticulum membrane	host cell nuclea		cytoplasm	compartment	calyx	nematocyst chlorosome	never processing of the control of t		cell outer membrane		eptidoglycan-based	acyl–CoA ceramide synthase complex
host cell endoplasmic reticulum	host cell nuclear matrix	host cell nucleus	host cytoskeleton	host intracellular membrane-bounded organelle	Mis6-Sim4 complex	outer kinetochore	telomer comp	e cap centricle focus	external e	cell wall ncapsulating stru spore wal	urinar cell wall	collagen trimer
anaphase–promoting complex	female pronucleus	retrotransposon nucleocapsid	SAS acetyltransferase complex	Topic States Sta	acrosomal		plasma membrane—derived thylakoid membrane		host cell endomembrane system	host cell membrane	host cell plasma	immunoglobulin complex EKC/KEOPS complex
DASH complex	retrotrar nuclear lamina	RNA polymerase transcription factor SL1 complex		RNA male polymeraso i complex pronucleus entre polymeraso i complex pronucleus entre polymeraso entre polyme	acrosomal vesicle	microbody memb peroxisomal membrane	rane sarcopl reticu memb	asmic plastid PAS tylakolo complete llum	host cell junction	host cell plasr		proteasome regulatory particle, lid subcomplex motile cilium regulatory particle, iid subcomplex

Nematomorpha CC TreeMap



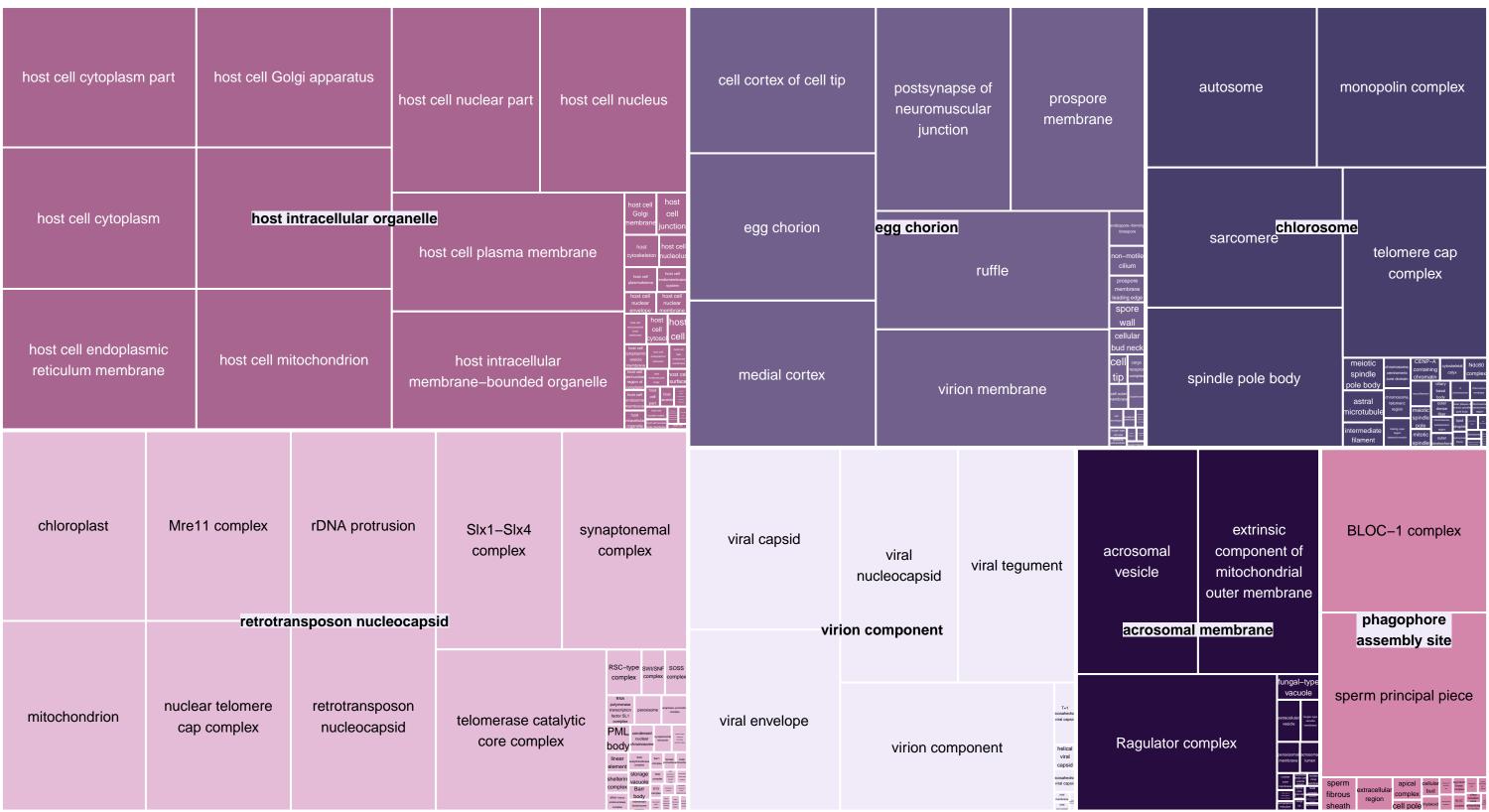
Nemertea CC TreeMap



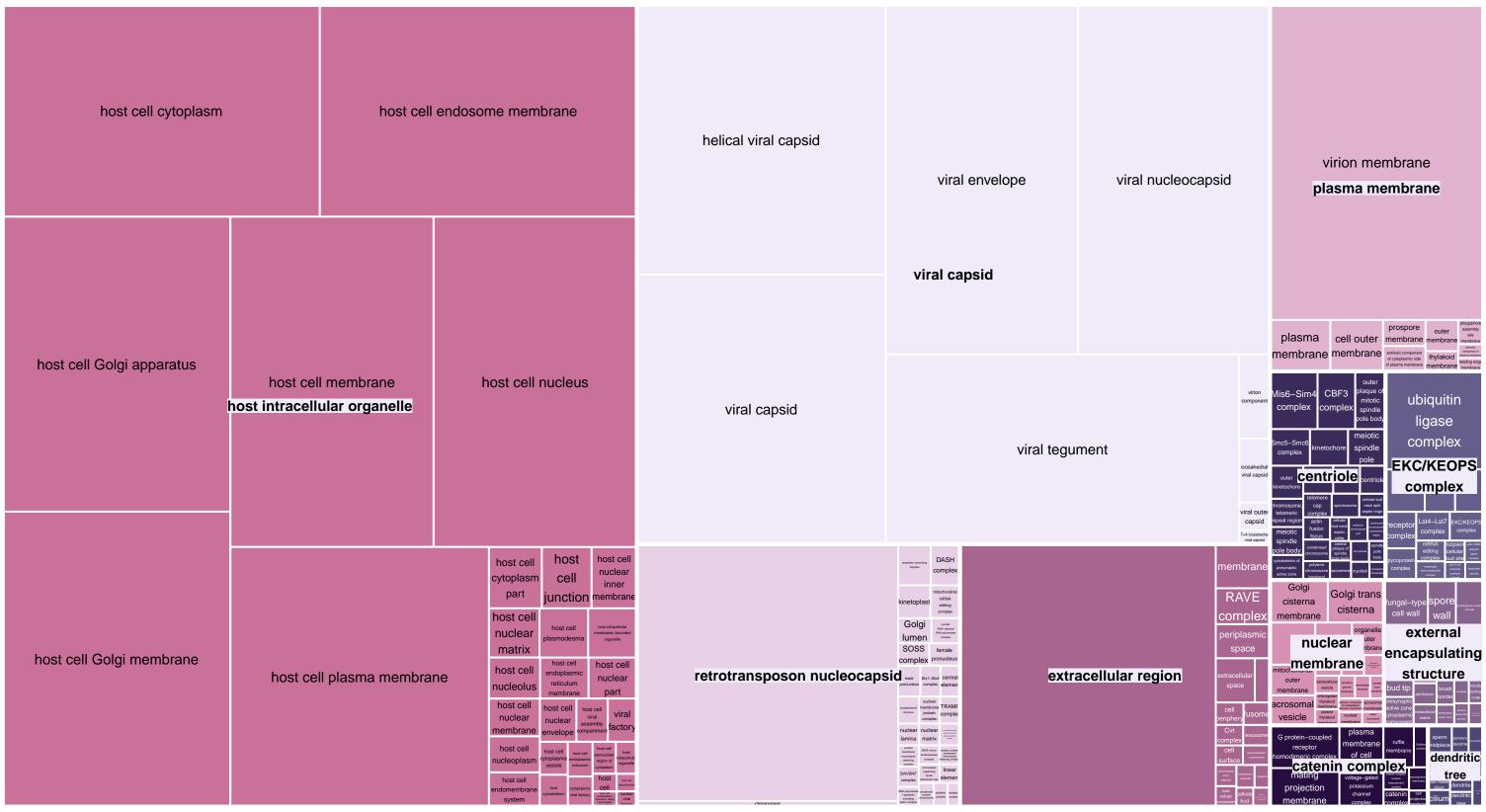
Nemertodermatida CC TreeMap



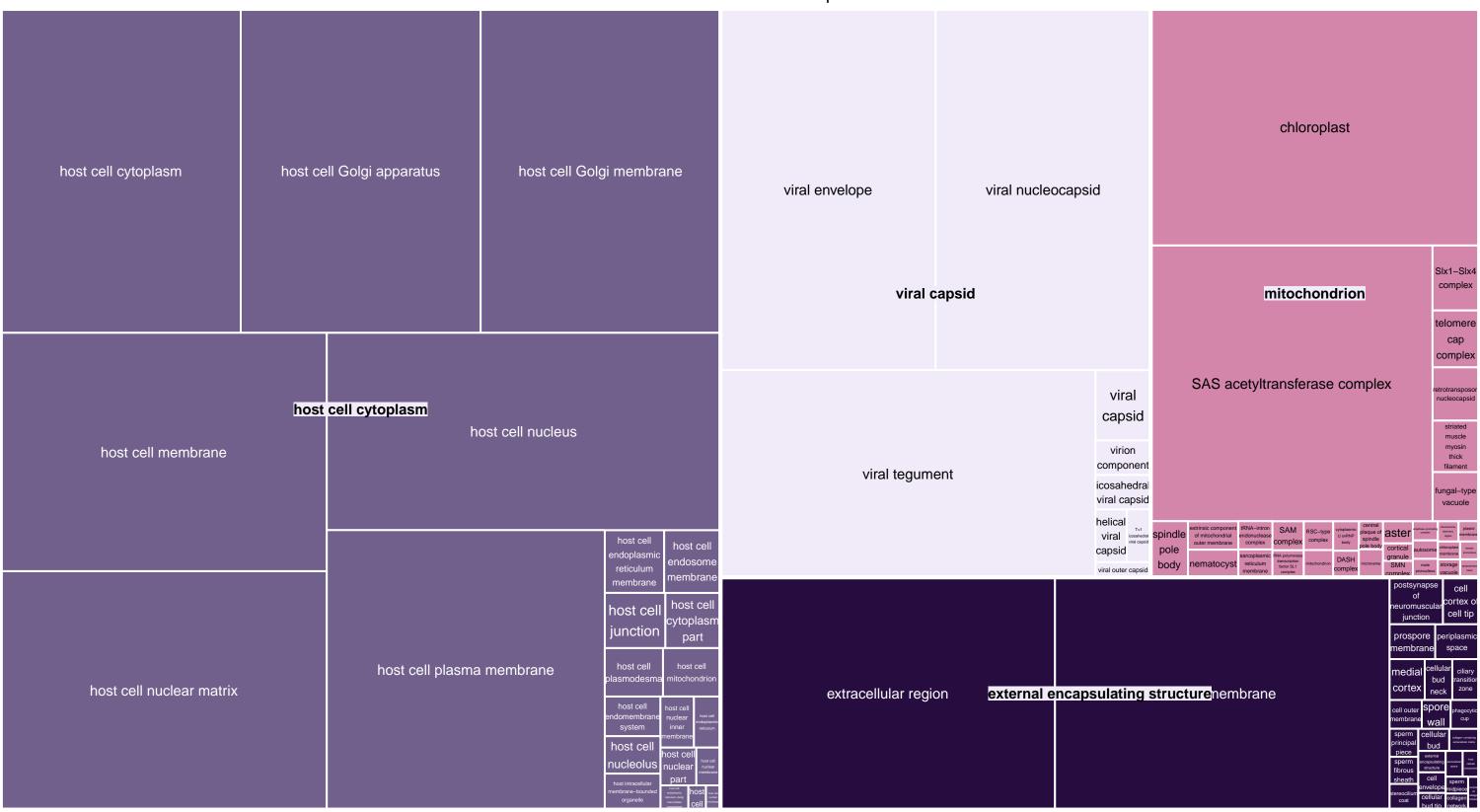
Onychophora CC TreeMap



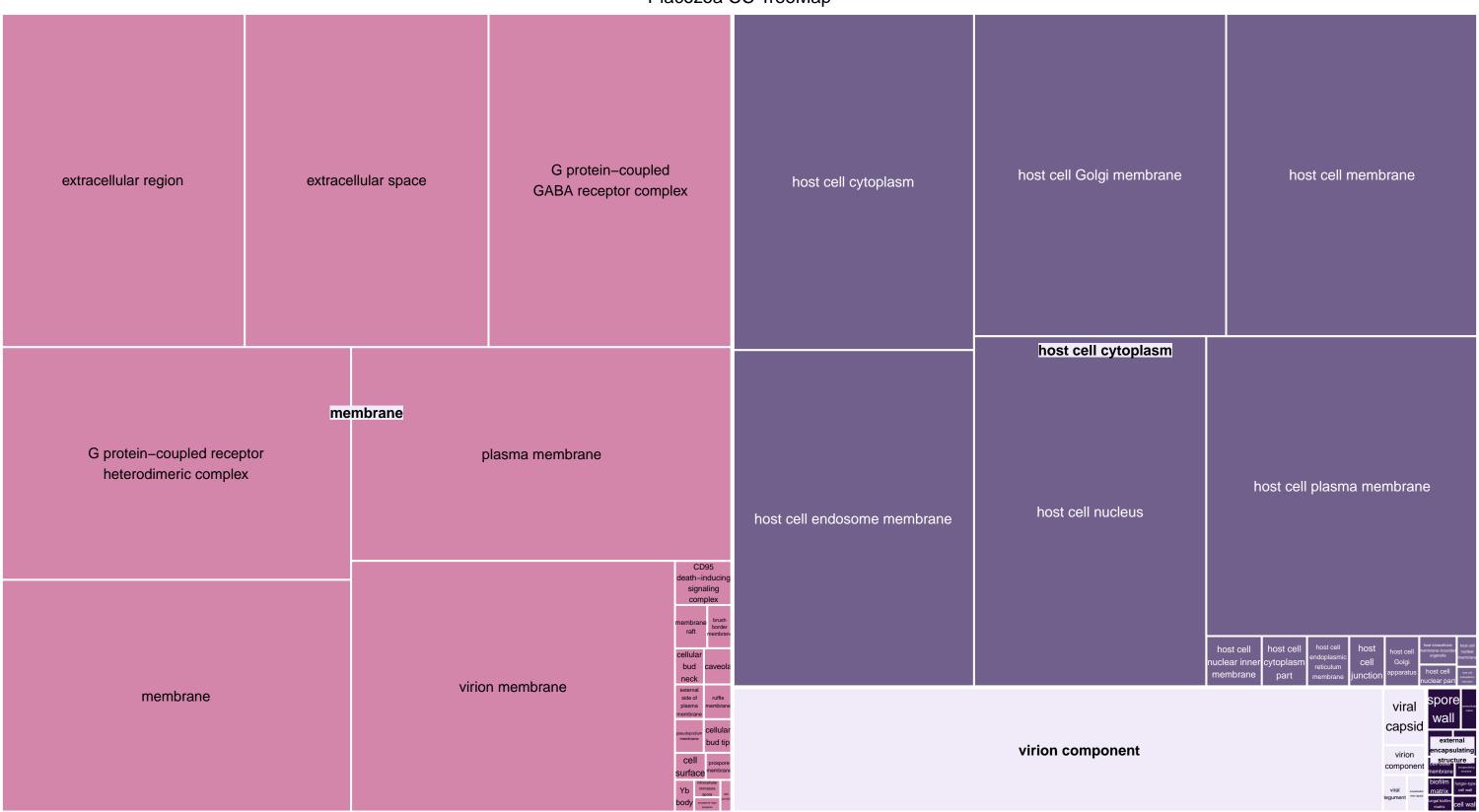
Outgroup CC TreeMap



Phoronida CC TreeMap



Placozoa CC TreeMap



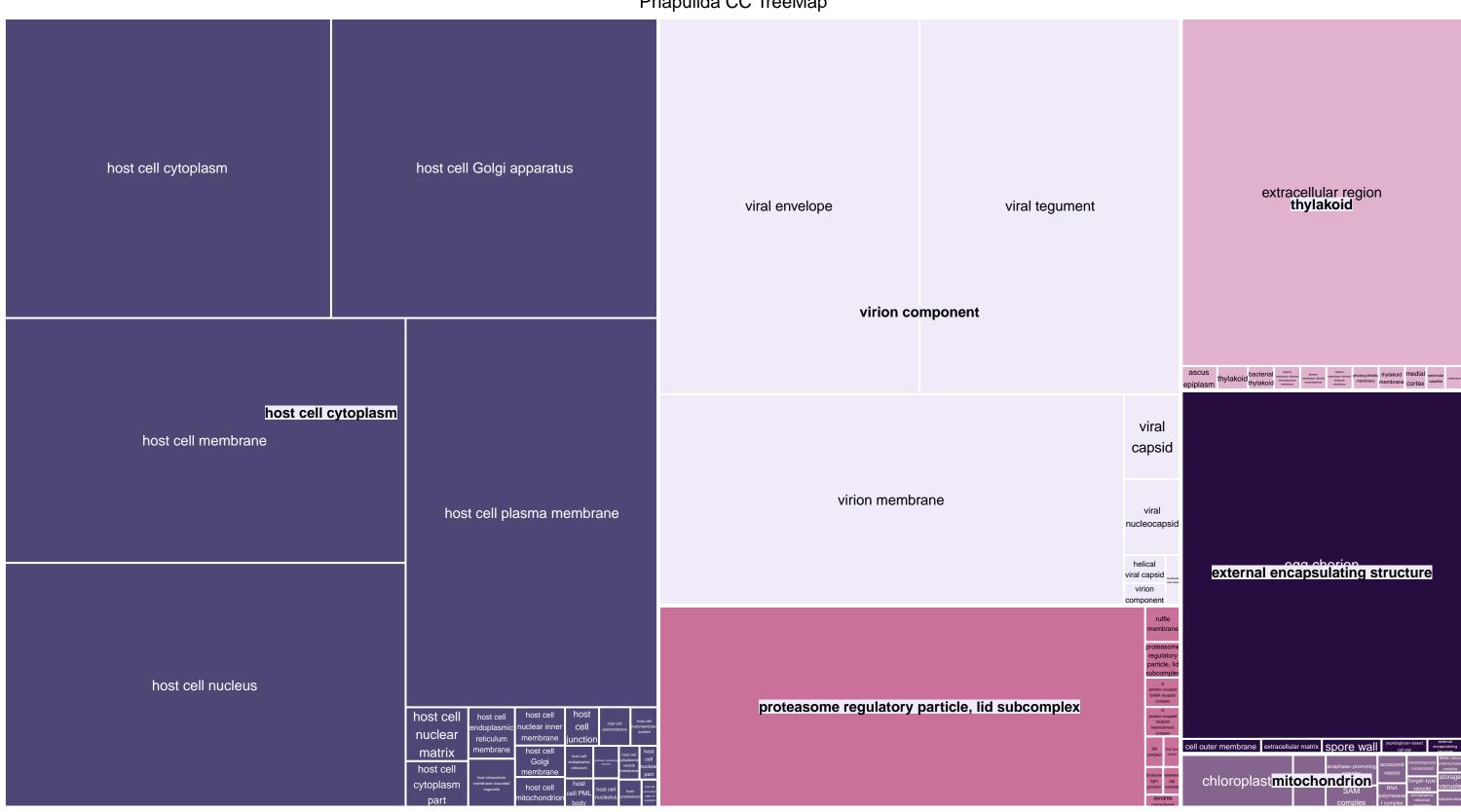
Platyhelminthes CC TreeMap

						,		•						
host cell cytoplasm part	host cell cytoplasm	host cell endomembrane system	host cell endoplasmic reticulum membrane	host cell endoplasmic reticulum-Golgi intermediate compartment	condensed nuclear chromosome	linear element	RNA polymerase transcription factor SL1 complex	cell outer membrane		ornified nvelope	central plaque of spindle pole body	intermediate filament	chromatin silencing complex	microneme
host cell endosome membrane	host cell membrane	host cell mitochondrior	host cell nuclear envelope	host cell nuclear inner membrane	DASH complex	shelterin x Slx1-Slx4 comp l complex	synaptonemal lex complex	external side of plasma pha membrarie	gocytic cu membrane	p thylakoid membrane	interphase microtubule o <mark>cytoplasmic</mark> center		Mre11 ^{nucl}	eus retrotransposon nucleocapsid
host cell Golgi apparatus	hos <mark>host in</mark> nuclear matrix	tracellular or	ganellest cell nucleus	host cell perinuclear region of	fibrillar center	Slx1-Slx4 complex	synaptonemal structure	prospore membrane leading edge	virion m	embrane	meiotic spindle pole body	spindle pole body	SOSS com	plex female male promotes male promotes for male
host cell Golgi membrane	host cell nuclear membrane	host cell plasma	host	cytoplasm host intracellular membrane-bounded	helical viral capsid	viral capsid	viral envelope	cis-Golgi network membrane	PAS complex	peroxisomal membrane	anaphase-promoti complex	ng tRNA-intron ibiquitin uclease	cellular bud necl	k postsynapse of
host cell	host cell	membrane host cell	cytoskeleto	host cell lost cell statement cytosol congeriment cytosol	icosahedral viral capsid	viral viral capsid nucieocapsid	viral tegument	extrinsic component of mitochondrial	id membra SAM cor	nuclear marketure and control of the	acetyltransferas		cellular bud tip	biochildr drain material mater
junction	nuclear part	plasmodesn	na organ	elle control c	T=1	viral outer capsid	virion to the second se	membrane		KC/KEOPS		extracellular	CatSper complex voltage-gated channel co	potassium ⁿ
autosome chromosome,	calyx	nacot	o complex uter	nematocyst static microtubule	aggresome		osynthetic RAVE	recruitiproteir	ollagen i -lipid co m trimer		extracellular region	ascus ppiplson and containing the co	death-inducing signaling complex DNA polymeras	A A A ROLL OF THE PROPERTY OF
centromeric core domain chromosome,	site comple: monopol	in Smc5	-Smc6 telo	bundle mere cap omplex	BLOC-1	agophore assemb phagophore assembly site	oly site	basement l extrace membrane	ollagen	spore wall	acrosomai membrane	extracellular dosome ^{icle}	complex	9+2 motile cilium
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Porifera CC TreeMap



Priapulida CC TreeMap



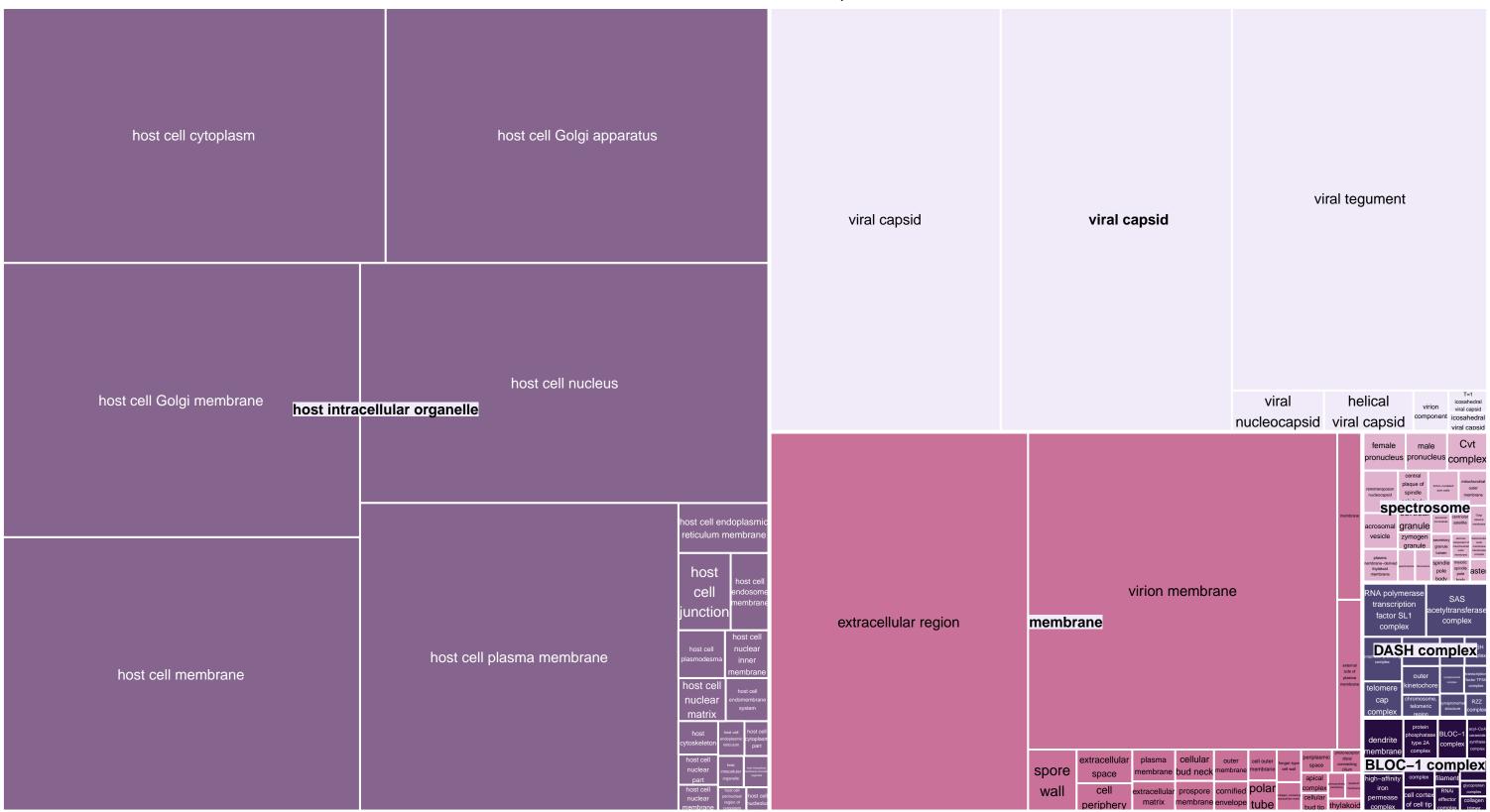
Rotifera CC TreeMap



Tardigrada CC TreeMap



Urochordata CC TreeMap



Xenoturbellida CC TreeMap

