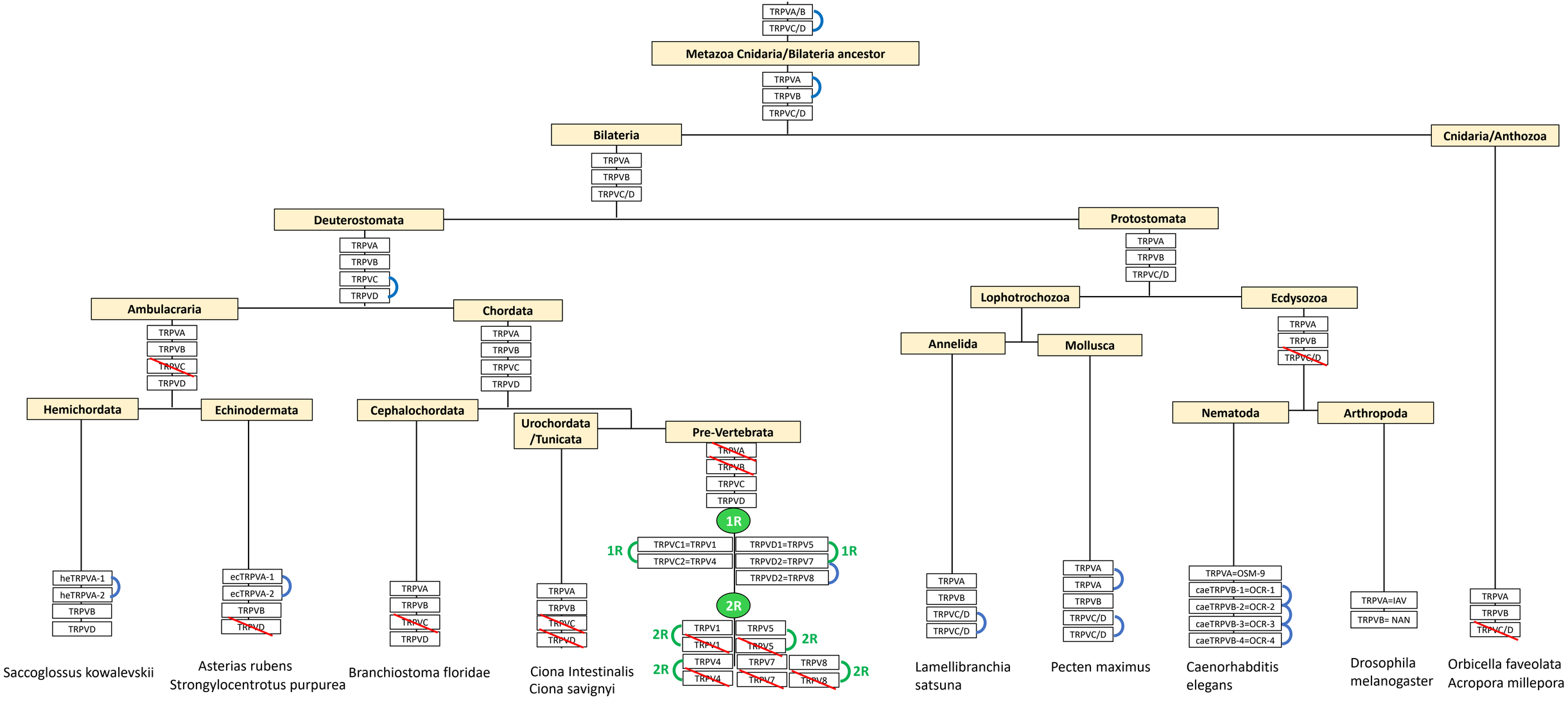
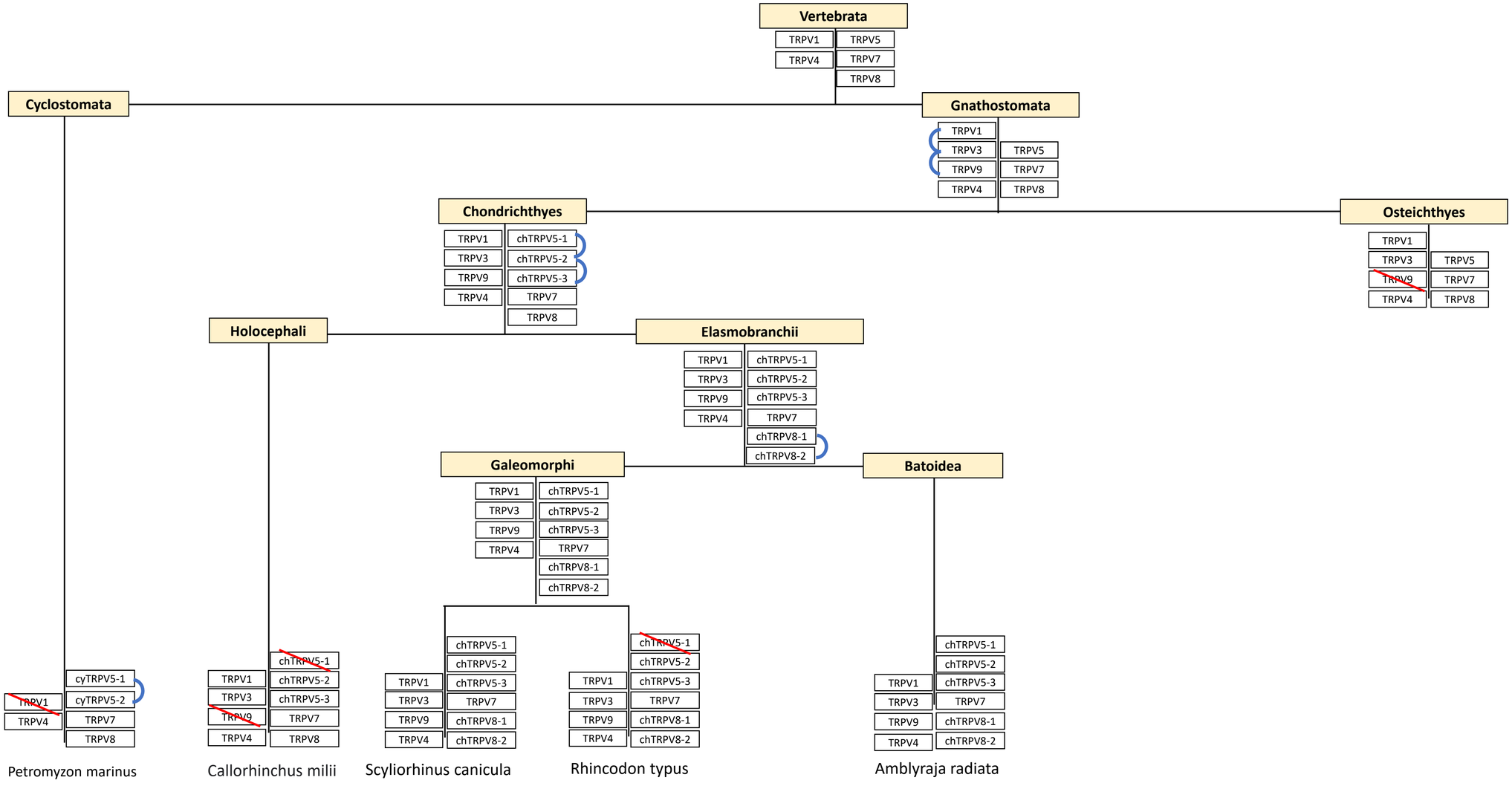
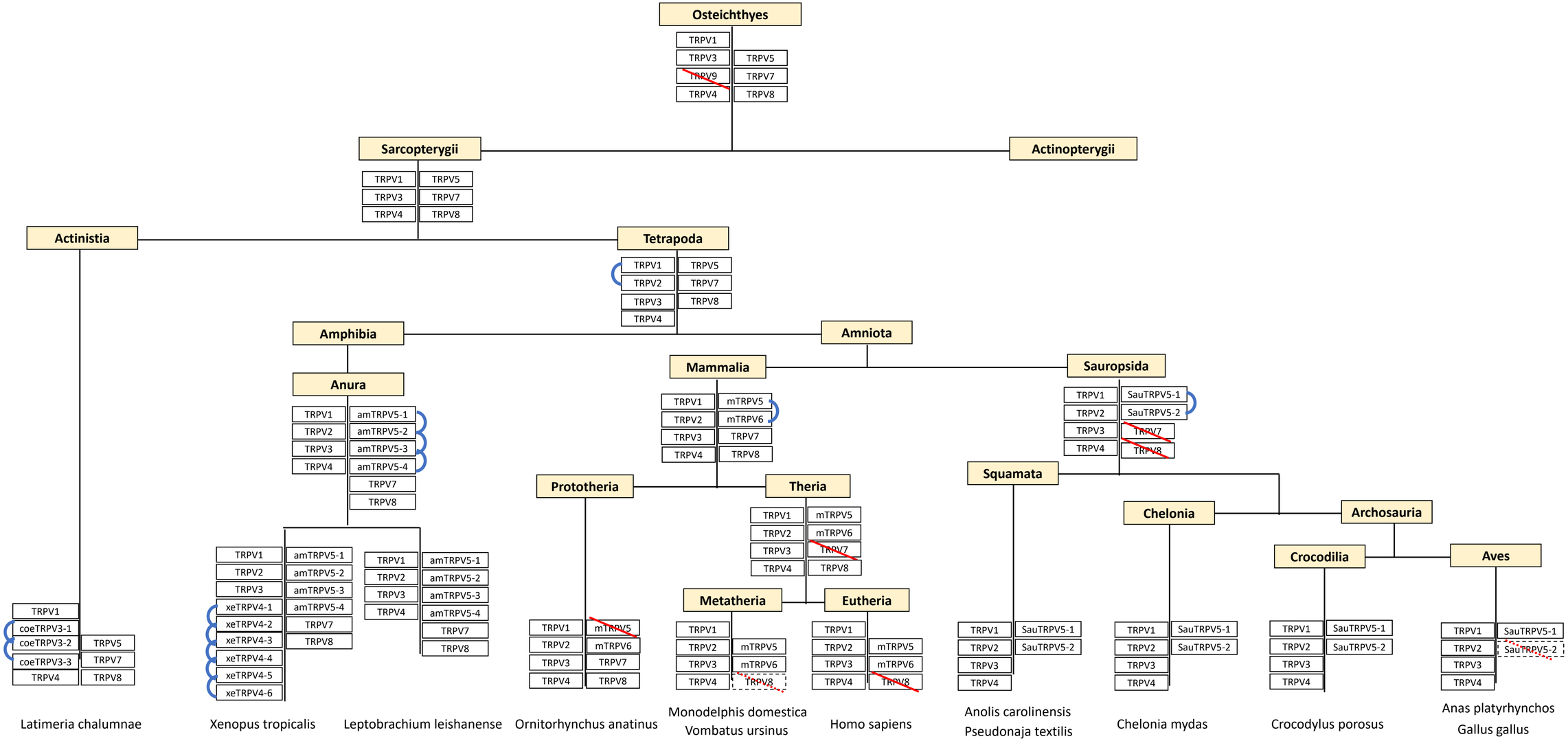
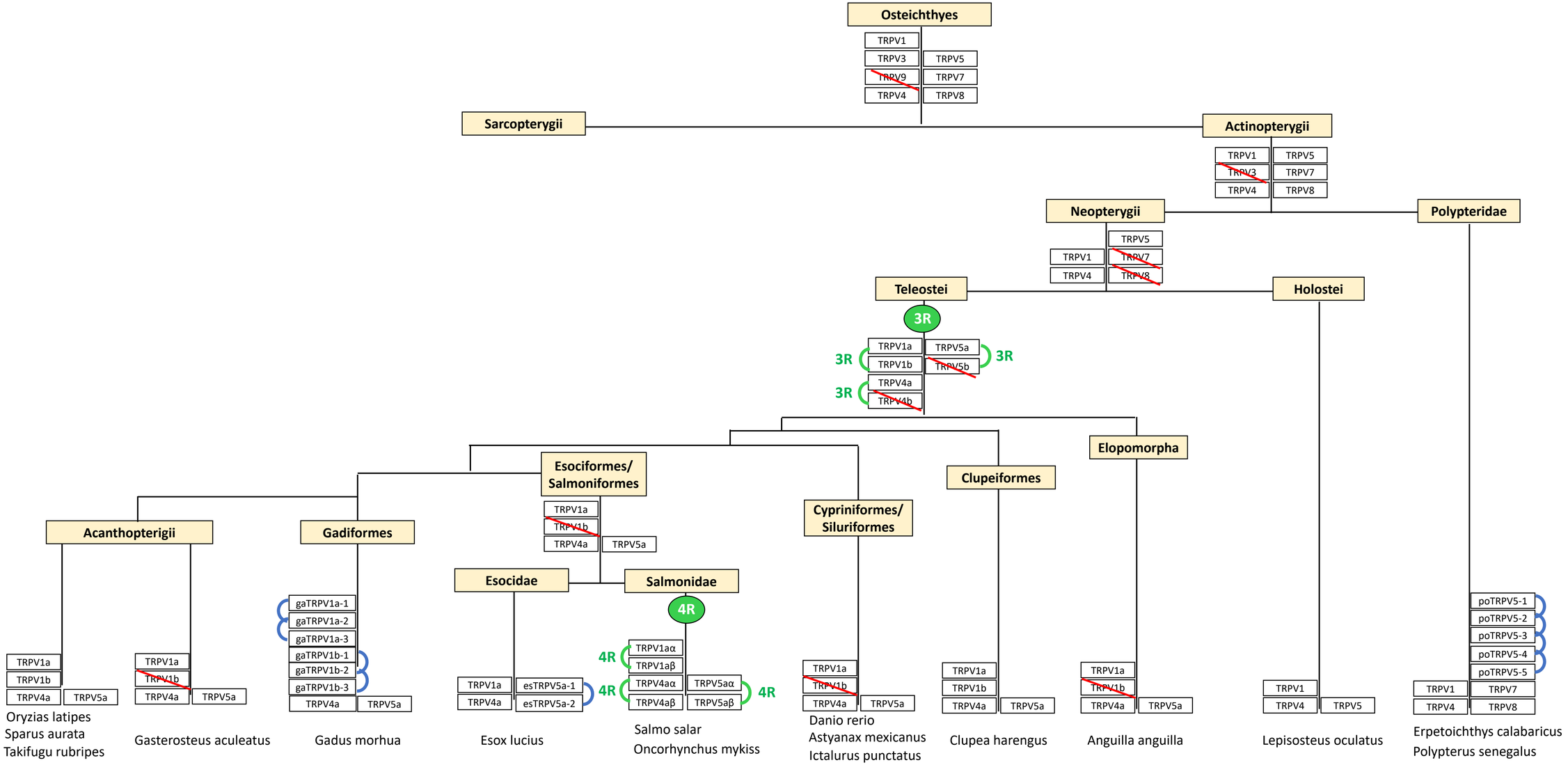

TRPVA/B
TRPVC/D
Metazoa Cnidaria/Bilateria ancestor
TRPVA
TRPVB
TRPVC/D
Bilateria
Cnidaria/Anthozoa
TRPVA
TRPVB
TRPVC/D
Deuterostomata
Protostomata
TRPVA
TRPVB
TRPVC
TRPVD
TRPVA
TRPVB
TRPVC/D
Ambulacraria
Chordata
Lophotrochozoa
Ecdysozoa
TRPVA
TRPVB
~~TRPVC~~
TRPVD
TRPVA
TRPVB
TRPVC
TRPVD
Annelida
Mollusca
TRPVA
TRPVB
~~TRPVC/D~~
Hemichordata
Echinodermata
Cephalochordata
Urochordata /Tunicata
Pre-Vertebrata
Nematoda
Arthropoda
~~TRPVA~~
~~TRPVB~~
TRPVC
TRPVD
1R
1R
TRPVC1=TRPV1
TRPVC2=TRPV4
TRPVD1=TRPV5
TRPVD2=TRPV7
TRPVD2=TRPV8
1R
2R
2R
TRPV1
~~TRPV1~~
TRPV5
~~TRPV5~~
2R
2R
TRPV4
~~TRPV4~~
TRPV7
~~TRPV7~~
TRPV8
~~TRPV8~~
2R
heTRPVA-1
heTRPVA-2
TRPVB
TRPVD
ecTRPVA-1
ecTRPVA-2
TRPVB
~~TRPVD~~
TRPVA
TRPVB
~~TRPVC~~
TRPVD
TRPVA
TRPVB
~~TRPVC~~
~~TRPVD~~
TRPVA
TRPVB
TRPVC/D
TRPVC/D
TRPVA
TRPVA
TRPVB
TRPVC/D
TRPVC/D
TRPVA=OSM-9
caeTRPVB-1=OCR-1
caeTRPVB-2=OCR-2
caeTRPVB-3=OCR-3
caeTRPVB-4=OCR-4
TRPVA=IAV
TRPVB= NAN
TRPVA
TRPVB
~~TRPVC/D~~
Saccoglossus kowalevskii
Asterias rubens
Strongylocentrotus purpurea
Branchiostoma floridae
Ciona Intestinalis
Ciona savignyi
Lamellibranchia satsuna
Pecten maximus
Caenorhabditis elegans
Drosophila melanogaster
Orbicella faveolata
Acropora millepora


Vertebrata
TRPV1
TRPV4
TRPV5
TRPV7
TRPV8
Cyclostomata
Gnathostomata
TRPV1
TRPV3
TRPV9
TRPV4
TRPV5
TRPV7
TRPV8
Chondrichthyes
TRPV1
TRPV3
TRPV9
TRPV4
chTRPV5-1
chTRPV5-2
chTRPV5-3
TRPV7
TRPV8
Osteichthyes
TRPV1
TRPV3
TRPV9
TRPV4
TRPV5
TRPV7
TRPV8
Holocephali
Elasmobranchii
TRPV1
TRPV3
TRPV9
TRPV4
chTRPV5-1
chTRPV5-2
chTRPV5-3
TRPV7
chTRPV8-1
chTRPV8-2
Galeomorphi
TRPV1
TRPV3
TRPV9
TRPV4
chTRPV5-1
chTRPV5-2
chTRPV5-3
TRPV7
chTRPV8-1
chTRPV8-2
Batoidea
TRPV1
TRPV4
cyTRPV5-1
cyTRPV5-2
TRPV7
TRPV8
Petromyzon marinus
TRPV1
TRPV3
TRPV9
TRPV4
chTRPV5-1
chTRPV5-2
chTRPV5-3
TRPV7
TRPV8
Callorhinchus milii
TRPV1
TRPV3
TRPV9
TRPV4
chTRPV5-1
chTRPV5-2
chTRPV5-3
TRPV7
chTRPV8-1
chTRPV8-2
Scyliorhinus canicula
TRPV1
TRPV3
TRPV9
TRPV4
chTRPV5-1
chTRPV5-2
chTRPV5-3
TRPV7
chTRPV8-1
chTRPV8-2
Rhincodon typus
TRPV1
TRPV3
TRPV9
TRPV4
chTRPV5-1
chTRPV5-2
chTRPV5-3
TRPV7
chTRPV8-1
chTRPV8-2
Amblyraja radiata


Osteichthyes
TRPV1
TRPV3
TRPV9
TRPV4
TRPV5
TRPV7
TRPV8
Sarcopterygii
TRPV1
TRPV3
TRPV4
TRPV5
TRPV7
TRPV8
Actinopterygii
Actinistia
Tetrapoda
TRPV1
TRPV2
TRPV3
TRPV4
TRPV5
TRPV7
TRPV8
Amphibia
Amniota
Anura
TRPV1
TRPV2
TRPV3
TRPV4
amTRPV5-1
amTRPV5-2
amTRPV5-3
amTRPV5-4
TRPV7
TRPV8
Mammalia
TRPV1
TRPV2
TRPV3
TRPV4
mTRPV5
mTRPV6
TRPV7
TRPV8
Sauropsida
TRPV1
TRPV2
TRPV3
TRPV4
SauTRPV5-1
SauTRPV5-2
TRPV7
TRPV8
Prototheria
Theria
TRPV1
TRPV2
TRPV3
TRPV4
mTRPV5
mTRPV6
TRPV7
TRPV8
Squamata
Chelonia
Archosauria
Crocodilia
Aves
Metatheria
Eutheria
TRPV1
coeTRPV3-1
coeTRPV3-2
coeTRPV3-3
TRPV4
TRPV5
TRPV7
TRPV8
TRPV1
TRPV2
TRPV3
xeTRPV4-1
xeTRPV4-2
xeTRPV4-3
xeTRPV4-4
xeTRPV4-5
xeTRPV4-6
amTRPV5-1
amTRPV5-2
amTRPV5-3
amTRPV5-4
TRPV7
TRPV8
TRPV1
TRPV2
TRPV3
TRPV4
amTRPV5-1
amTRPV5-2
amTRPV5-3
amTRPV5-4
TRPV7
TRPV8
TRPV1
TRPV2
TRPV3
TRPV4
mTRPV5
mTRPV6
TRPV7
TRPV8
TRPV1
TRPV2
TRPV3
TRPV4
mTRPV5
mTRPV6
TRPV8
TRPV1
TRPV2
TRPV3
TRPV4
mTRPV5
mTRPV6
TRPV8
TRPV1
TRPV2
TRPV3
TRPV4
SauTRPV5-1
SauTRPV5-2
TRPV1
TRPV2
TRPV3
TRPV4
SauTRPV5-1
SauTRPV5-2
TRPV1
TRPV2
TRPV3
TRPV4
SauTRPV5-1
SauTRPV5-2
TRPV1
TRPV2
TRPV3
TRPV4
SauTRPV5-1
SauTRPV5-2
Latimeria chalumnae
Xenopus tropicalis
Leptobrachium leishanense
Ornitorhynchus anatinus
Monodelphis domestica
Vombatus ursinus
Homo sapiens
Anolis carolinensis
Pseudonaja textilis
Chelonia mydas
Crocodylus porosus
Anas platyrhynchos
Gallus gallus


Osteichthyes
TRPV1
TRPV3
TRPV9
TRPV4
TRPV5
TRPV7
TRPV8
Sarcopterygii
Actinopterygii
TRPV1
TRPV3
TRPV4
TRPV5
TRPV7
TRPV8
Neopterygii
Polypteridae
TRPV5
TRPV1
TRPV7
TRPV4
TRPV8
Teleostei
Holostei
3R
TRPV1a
TRPV1b
TRPV4a
TRPV4b
TRPV5a
TRPV5b
3R
3R
3R
Elopomorpha
Esociformes/
Salmoniformes
Clupeiformes
Cypriniformes/
Siluriformes
Acanthopterigii
Gadiformes
TRPV1a
TRPV1b
TRPV4a
TRPV5a
Esocidae
Salmonidae
4R
gaTRPV1a-1
gaTRPV1a-2
gaTRPV1a-3
gaTRPV1b-1
gaTRPV1b-2
gaTRPV1b-3
TRPV1a
TRPV1b
TRPV4a
TRPV5a
TRPV1a
TRPV4a
TRPV5a
TRPV1a
TRPV1b
TRPV4a
TRPV5a
TRPV1a
TRPV4a
esTRPV5a-1
esTRPV5a-2
4R
TRPV1aα
TRPV1aβ
TRPV4aα
TRPV4aβ
TRPV5aα
TRPV5aβ
4R
TRPV1a
TRPV1b
TRPV4a
TRPV5a
TRPV1a
TRPV1b
TRPV4a
TRPV5a
TRPV1a
TRPV1b
TRPV4a
TRPV5a
TRPV1
TRPV4
TRPV5
TRPV1
TRPV4
poTRPV5-1
poTRPV5-2
poTRPV5-3
poTRPV5-4
poTRPV5-5
TRPV7
TRPV8
Oryzias latipes
Sparus aurata
Takifugu rubripes
Gasterosteus aculeatus
Gadus morhua
Esox lucius
Salmo salar
Oncorhynchus mykiss
Danio rerio
Astyanax mexicanus
Ictalurus punctatus
Clupea harengus
Anguilla anguilla
Lepisosteus oculatus
Erpetoichthys calabaricus
Polypterus senegalus