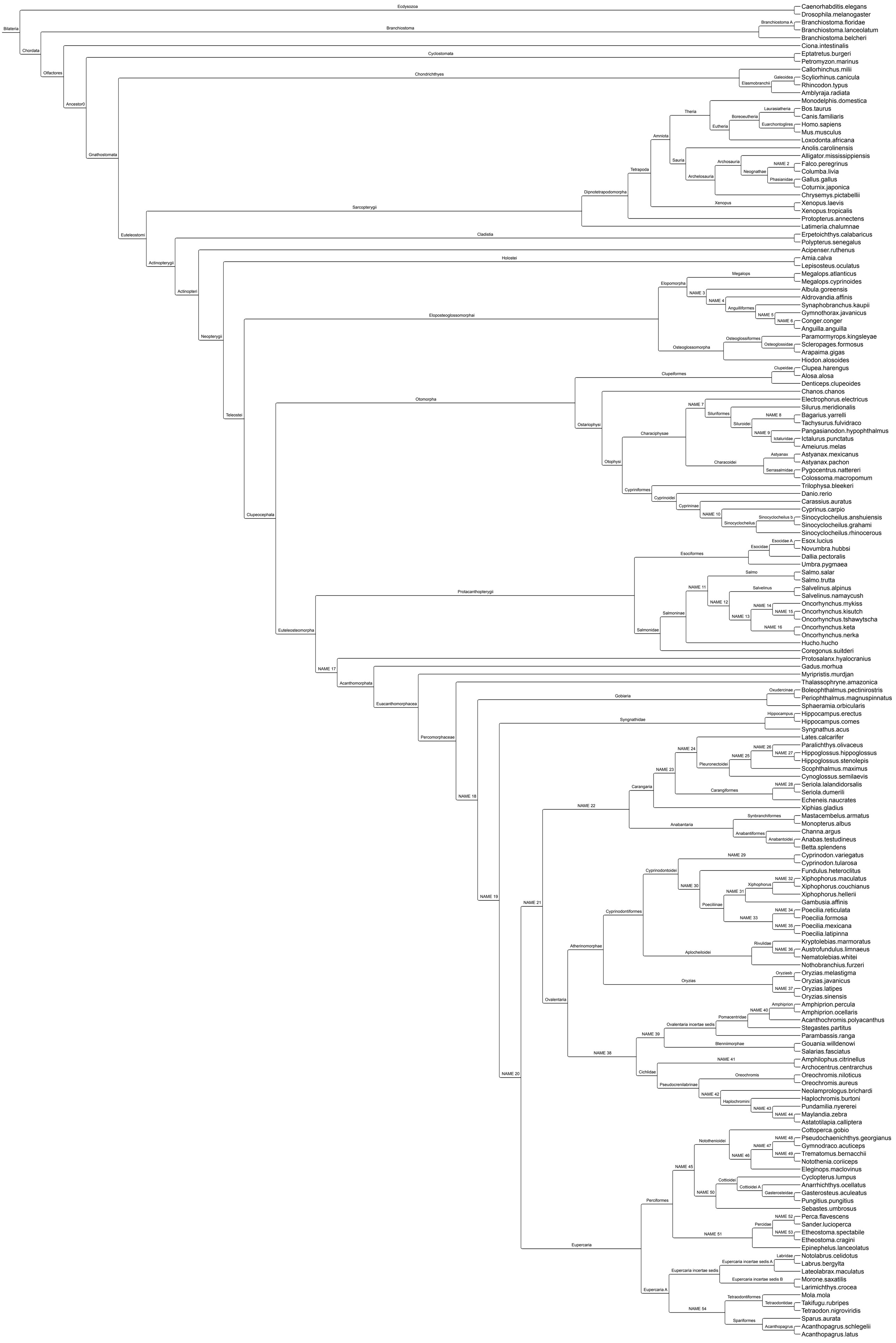
Bilateria
Ecdysozoa
Caenorhabditis.elegans
Drosophila.melanogaster
Chordata
Branchiostoma
Branchiostoma A
Branchiostoma.floridae
Branchiostoma.lanceolatum
Branchiostoma.belcheri
Olfactores
Ciona.intestinalis
Ancestor0
Cyclostomata
Eptatretus.burgeri
Petromyzon.marinus
Gnathostomata
Chondrichthyes
Elasmobranchii
Galeoidea
Callorhinchus.milii
Scyliorhinus.canicula
Rhincodon.typus
Amblyraja.radiata
Euteleostomi
Sarcopterygii
Dipnotetrapodomorpha
Tetrapoda
Amniota
Theria
Eutheria
Boreoeutheria
Laurasiatheria
Euarchontoglires
Monodelphis.domestica
Bos.taurus
Canis.familiaris
Homo.sapiens
Mus.musculus
Loxodonta.africana
Sauria
Archosauria
Archelosauria
Neognathae
NAME 2
Phasianidae
Anolis.carolinensis
Alligator.mississippiensis
Falco.peregrinus
Columba.livia
Gallus.gallus
Coturnix.japonica
Chrysemys.pictabellii
Xenopus
Xenopus.laevis
Xenopus.tropicalis
Protopterus.annectens
Latimeria.chalumnae
Actinopterygii
Cladistia
Erpetoichthys.calabaricus
Polypterus.senegalus
Actinopteri
Acipenser.ruthenus
Neopterygii
Holostei
Amia.calva
Lepisosteus.oculatus
Teleostei
Elopomorpha
Megalops
Megalops.atlanticus
Megalops.cyprinoides
NAME 3
Albula.goreensis
NAME 4
Aldrovandia.affinis
Anguilliformes
Synaphobranchus.kaupii
NAME 5
Gymnothorax.javanicus
NAME 6
Conger.conger
Anguilla.anguilla
Elopomorpha
Osteoglossomorpha
Osteoglossiformes
Osteoglossidae
Paramormyrops.kingsleyae
Scleropages.formosus
Arapaima.gigas
Hiodon.alosoides
Clupeocephala
Otomorpha
Clupeiformes
Clupeidae
Clupea.harengus
Alosa.alosa
Denticeps.clupeoides
Ostariophysi
Otophysi
Characiphysae
Chanos.chanos
Electrophorus.electricus
NAME 7
Silurus.meridionalis
Siluriformes
Siluroidei
NAME 8
Bagarius.yarrelli
Tachysurus.fulvidraco
NAME 9
Pangasianodon.hypophthalmus
Ictaluridae
Ictalurus.punctatus
Ameiurus.melas
Characoidei
Astyanax
Astyanax.mexicanus
Astyanax.pachon
Serrasalmidae
Pygocentrus.nattereri
Colossoma.macropomum
Cypriniformes
Trilophysa.bleekeri
Cyprinoidei
Danio.rerio
Cyprininae
Carassius.auratus
NAME 10
Cyprinus.carpio
Sinocyclocheilus
Sinocyclocheilus b
Sinocyclocheilus.anshuiensis
Sinocyclocheilus.grahami
Sinocyclocheilus.rhinocerous
Euteleosteomorpha
Esociformes
Esocidae
Esocidae A
Esox.lucius
Novumbra.hubbsi
Dallia.pectoralis
Umbra.pygmaea
Salmonidae
Salmoninae
Salmo
Salmo.salar
Salmo.trutta
NAME 11
Salvelinus
Salvelinus.alpinus
Salvelinus.namaycush
NAME 12
NAME 13
NAME 14
NAME 15
Oncorhynchus.mykiss
Oncorhynchus.kisutch
Oncorhynchus.tshawytscha
NAME 16
Oncorhynchus.keta
Oncorhynchus.nerka
Hucho.hucho
Coregonus.suitderi
Protacanthopterygii
NAME 17
Protosalanx.hyalocranius
Acanthomorpha
Gadus.morhua
Euacanthomorphacea
Myripristis.murdjan
Percomorphaceae
Thalassophryne.amazonica
NAME 18
Gobiaria
Oxudercinae
Boleophthalmus.pectinirostris
Periophthalmus.magnuspinnatus
Sphaeramia.orbicularis
NAME 19
Syngnathidae
Hippocampus
Hippocampus.erectus
Hippocampus.comes
Syngnathus.acus
NAME 20
NAME 21
NAME 22
Carangaria
Lates.calcarifer
NAME 24
Pleuronectoidei
NAME 26
NAME 27
Paralichthys.olivaceus
Hippoglossus.hippoglossus
NAME 25
Hippoglossus.stenolepis
Scophthalmus.maximus
NAME 23
Cynoglossus.semilaevis
Carangiformes
NAME 28
Seriola.lalandidorsalis
Seriola.dumerili
Echeneis.naucrates
Xiphias.gladius
Anabantaria
Synbranchiformes
Mastacembelus.armatus
Monopterus.albus
Anabantiformes
Anabantoidei
Channa.argus
Anabas.testudineus
Betta.splendens
Ovalentaria
Cyprinodontiformes
Cyprinodontoidei
NAME 29
Cyprinodon.variegatus
Cyprinodon.tularosa
Fundulus.heteroclitus
NAME 30
Poeciliinae
Xiphophorus
NAME 32
Xiphophorus.maculatus
Xiphophorus.couchianus
NAME 31
Xiphophorus.hellerii
Gambusia.affinis
NAME 33
NAME 34
Poecilia.reticulata
Poecilia.formosa
NAME 35
Poecilia.mexicana
Poecilia.latipinna
Atherinomorphae
Aplocheiloidei
Rivulidae
NAME 36
Kryptolebias.marmoratus
Austrofundulus.limnaeus
Nematolebias.whitei
Nothobranchius.furzeri
Oryzias
Oryziasb
Oryzias.melastigma
Oryzias.javanicus
NAME 37
Oryzias.latipes
Oryzias.sinensis
NAME 38
NAME 39
Ovalentaria incertae sedis
Pomacentridae
NAME 40
Amphiprion
Amphiprion.percula
Amphiprion.ocellaris
Acanthochromis.polyacanthus
Stegastes.partitus
Parambassis.ranga
Blenniimorphae
Gouania.willdenowi
Salarias.fasciatus
Cichlidae
NAME 41
Amphilophus.citrinellus
Archocentrus.centrarchus
Pseudocrenilabrinae
Oreochromis
Oreochromis.niloticus
Oreochromis.aureus
NAME 42
Neolamprologus.brichardi
Haplochromini
Haplochromis.burtoni
NAME 43
Pundamilia.nyererei
NAME 44
Maylandia.zebra
Astatotilapia.calliptera
Eupercaria
Perciformes
NAME 45
Notothenioidei
Cottoperca.gobio
NAME 46
NAME 47
NAME 48
Pseudochaenichthys.georgianus
Gymnodraco.acuticeps
NAME 49
Trematomus.bernacchii
Notothenia.coriiceps
Eleginops.maclovinus
NAME 50
Cottioidei
Cyclopterus.lumpus
Cottioidei A
Gasterosteidae
Anarrhichthys.ocellatus
Gasterosteus.aculeatus
Pungitius.pungitius
Sebastes.umbrosus
NAME 51
Percidae
NAME 52
Perca.flavescens
Sander.lucioperca
NAME 53
Etheostoma.spectabile
Etheostoma.cragini
Epinephelus.lanceolatus
Eupercaria A
Eupercaria incertae sedis
Eupercaria incertae sedis A
Labridae
Notolabrus.celidotus
Labrus.bergylta
Lateolabrax.maculatus
Eupercaria incertae sedis B
Morone.saxatilis
Larimichthys.crocea
NAME 54
Tetraodontiformes
Mola.mola
Tetraodontidae
Takifugu.rubripes
Tetraodon.nigroviridis
Spariformes
Sparus.aurata
Acanthopagrus
Acanthopagrus.schlegelii
Acanthopagrus.latus