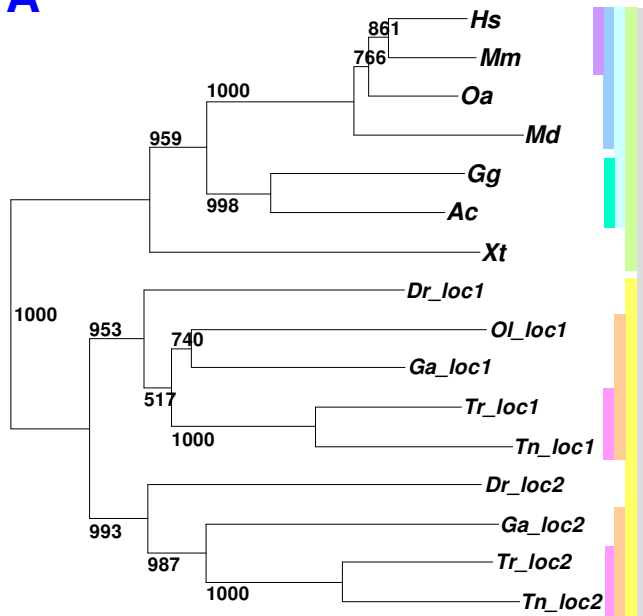
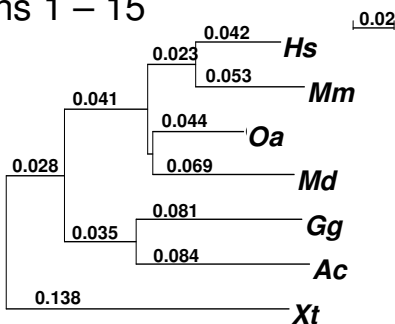


A**Abbreviated taxonomic lineages:**

- Hs: Vertebrata; Gnathostomata; Euteleostomi; **Tetrapoda**; Amniota; **Mammalia**; **Theria**; **Eutheria**; **Eurarchontoglires**; Primates; Haplorrhini; Catarrhini; Hominoidea; **Homo sapiens**
- Mm: Vertebrata; Gnathostomata; Euteleostomi; **Tetrapoda**; Amniota; **Mammalia**; **Theria**; **Eutheria**; **Eurarchontoglires**; Glires; Rodentia; Sciurognathi; Muridae; Murinae; **Mus musculus**
- Md: Vertebrata; Gnathostomata; Euteleostomi; **Tetrapoda**; Amniota; **Mammalia**; **Theria**; Metatheria; Didelphimorphia; Didelphidae; **Monodelphis domestica**
- Oa: Vertebrata; Gnathostomata; Euteleostomi; **Tetrapoda**; Amniota; **Mammalia**; **Prototheria**; Monotremata; Ornithorhynchidae; **Ornithorhynchus anatinus**
- Gg: Vertebrata; Gnathostomata; Euteleostomi; **Tetrapoda**; Amniota; **Sauria**; Archosauria; Dinosauria; Saurischia; Theropoda; Coelurosauria; Aves; Neognathae; Galliformes; Phasianidae; **Gallus gallus**
- Ac: Vertebrata; Gnathostomata; Euteleostomi; **Tetrapoda**; Amniota; **Sauria**; Lepidosauria; Squamata; Iguania; Iguanidae; Polychrotinae; **Anolis carolinensis**
- Xt: Vertebrata; Gnathostomata; Euteleostomi; **Tetrapoda**; Amphibia; Batrachia; Anura; Mesobatrachia; Pipoeidae; Pipidae; Xenopodinae; **Xenopus tropicalis**
- Dr: Vertebrata; Gnathostomata; Euteleostomi; **Actinopterygii**; **Neopterygii**; **Teleostei**; Ostariophysi; Cypriniformes; Cyprinidae; **Danio rerio**
- Ga: Vertebrata; Gnathostomata; Euteleostomi; **Actinopterygii**; **Neopterygii**; **Teleostei**; **Euteleostei**; **Neoteleostei**; Acanthomorpha; Acanthopterygii; Percomorpha; Gasterosteiformes; Gasterosteidae; **Gasterosteus aculeatus**
- Ol: Vertebrata; Gnathostomata; Euteleostomi; **Actinopterygii**; **Neopterygii**; **Teleostei**; **Euteleostei**; **Neoteleostei**; Acanthomorpha; Acanthopterygii; Percomorpha; Atherinomorpha; Belontiiformes; Adrianichthyidae; Oryziinae; **Oryzias latipes**
- Tn: Vertebrata; Gnathostomata; Euteleostomi; **Actinopterygii**; **Neopterygii**; **Teleostei**; **Euteleostei**; **Neoteleostei**; Acanthomorpha; Acanthopterygii; Percomorpha; **Tetraodontiformes**; **Tetraodontoidea**; **Tetraodontidae**; **Tetraodon nigroviridis**
- Tr: Vertebrata; Gnathostomata; Euteleostomi; **Actinopterygii**; **Neopterygii**; **Teleostei**; **Euteleostei**; **Neoteleostei**; Acanthomorpha; Acanthopterygii; Percomorpha; **Tetraodontiformes**; **Tetraodontoidea**; **Tetraodontidae**; **Takifugu rubripes**

B

exons 1 – 15



exons 16 – 23

