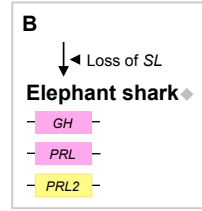
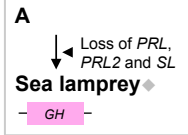
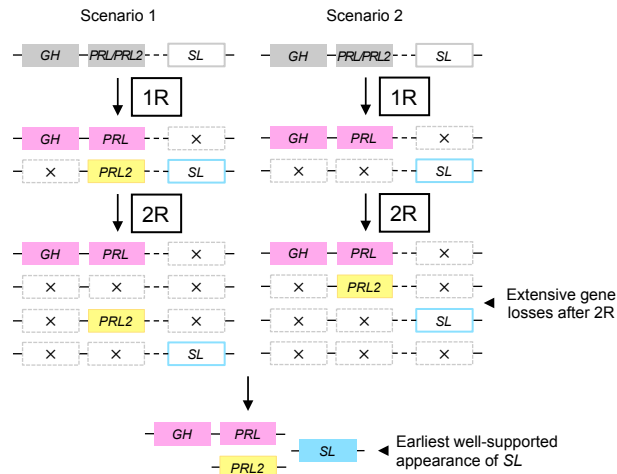


# Vertebrate ancestor



Jawless vertebrates (A)

Jawed vertebrates

Cartilaginous fishes (B)

Ray-finned fishes

Lobe-finned fishes

Teleost fishes

Spotted gar

Coelacanth

Tetrapods

3R

Emergence of SLa and SLb

15- GH PRL

8- PRL2

26- SL

GH PRL

PRL2

SL

GH PRL

PRL

PRL2

SL

Duplication and translocation of PRL

Zebrafish

Salmonid fishes

Spiny-rayed fishes

3- gh1 prl

4- prl2

18- smtla

10- smtlb

Atlantic salmon

4R

3- GH1 PRL1.1

6- GH2 PRL1.2

PRL2.1

PRL2.2

18- SLa1

10- SLa2

23- SLb

Medaka

8- GH PRL

23- PRL2

13- SLa

Stickleback

XI- GH PRL

IV- PRL2

I- SLa

Amphibians

GH PRL

PRL

SL

Amniotes

GH

PRL

PRL2

Axolotl

gh

prl.2

prl.1

sl

N. parkeri

gh

prl.2

prl.1

X. tropicalis

10- gh1

4- gh2

6- prl1.2

7- prl1.1

Mammals

Human

17- GH1

6- PRL

Mouse

11- Gh

13- Prl

Sauropsids

Anole lizard

6- GH

4- PRL

5- PRL2

Chicken

27- GH

2- PRL

1- PRL2