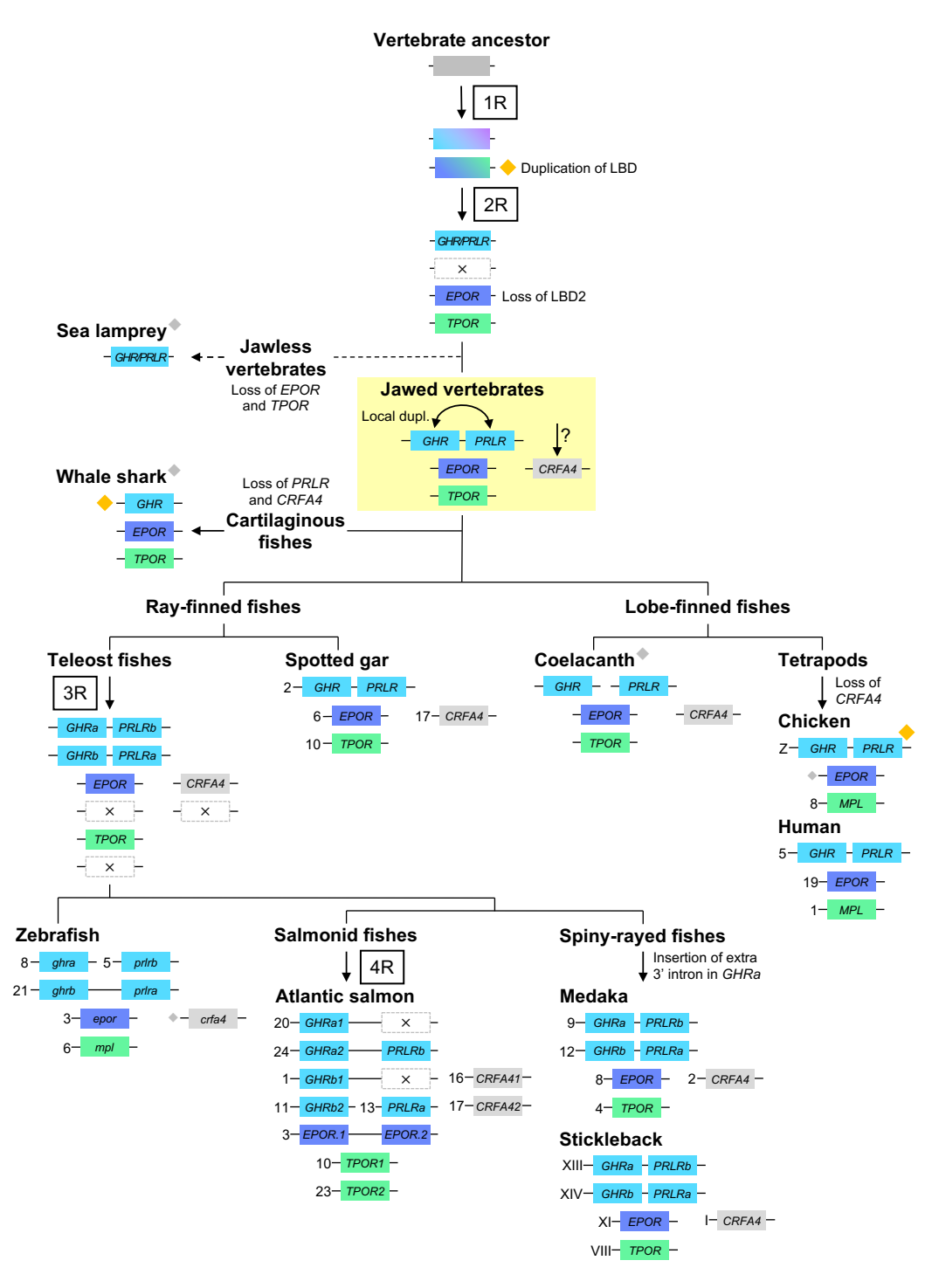
Vertebrate ancestor
1R
Duplication of LBD
2R
GHR/PRLR
EPOR
Loss of LBD2
TPOR
Sea lamprey
GHR/PRLR
Jawless vertebrates
Loss of EPOR and TPOR
Jawed vertebrates
Local dupl.
GHR
PRLR
?
CRFA4
EPOR
TPOR
Whale shark
GHR
EPOR
TPOR
Loss of PRLR and CRFA4
Cartilaginous fishes
Ray-finned fishes
Lobe-finned fishes
Teleost fishes
3R
GHRa
PRLRb
GHRb
PRLRa
EPOR
CRFA4
TPOR
Spotted gar
2
GHR
PRLR
6
EPOR
17
CRFA4
10
TPOR
Coelacanth
GHR
PRLR
EPOR
CRFA4
TPOR
Tetrapods
Loss of CRFA4
Chicken
Z
GHR
PRLR
EPOR
8
MPL
Human
5
GHR
PRLR
19
EPOR
1
MPL
Zebrafish
8
ghra
5
prlrb
21
ghrb
prlra
3
epor
crfa4
6
mpl
Salmonid fishes
4R
Atlantic salmon
20
GHRa1
24
GHRa2
PRLRb
1
GHRb1
16
CRFA41
11
GHRb2
13
PRLRa
17
CRFA42
3
EPOR.1
EPOR.2
10
TPOR1
23
TPOR2
Spiny-rayed fishes
Insertion of extra 3' intron in GHRa
Medaka
9
GHRa
PRLRb
12
GHRb
PRLRa
8
EPOR
2
CRFA4
4
TPOR
Stickleback
XIII
GHRa
PRLRb
XIV
GHRb
PRLRa
XI
EPOR
I
CRFA4
VIII
TPOR