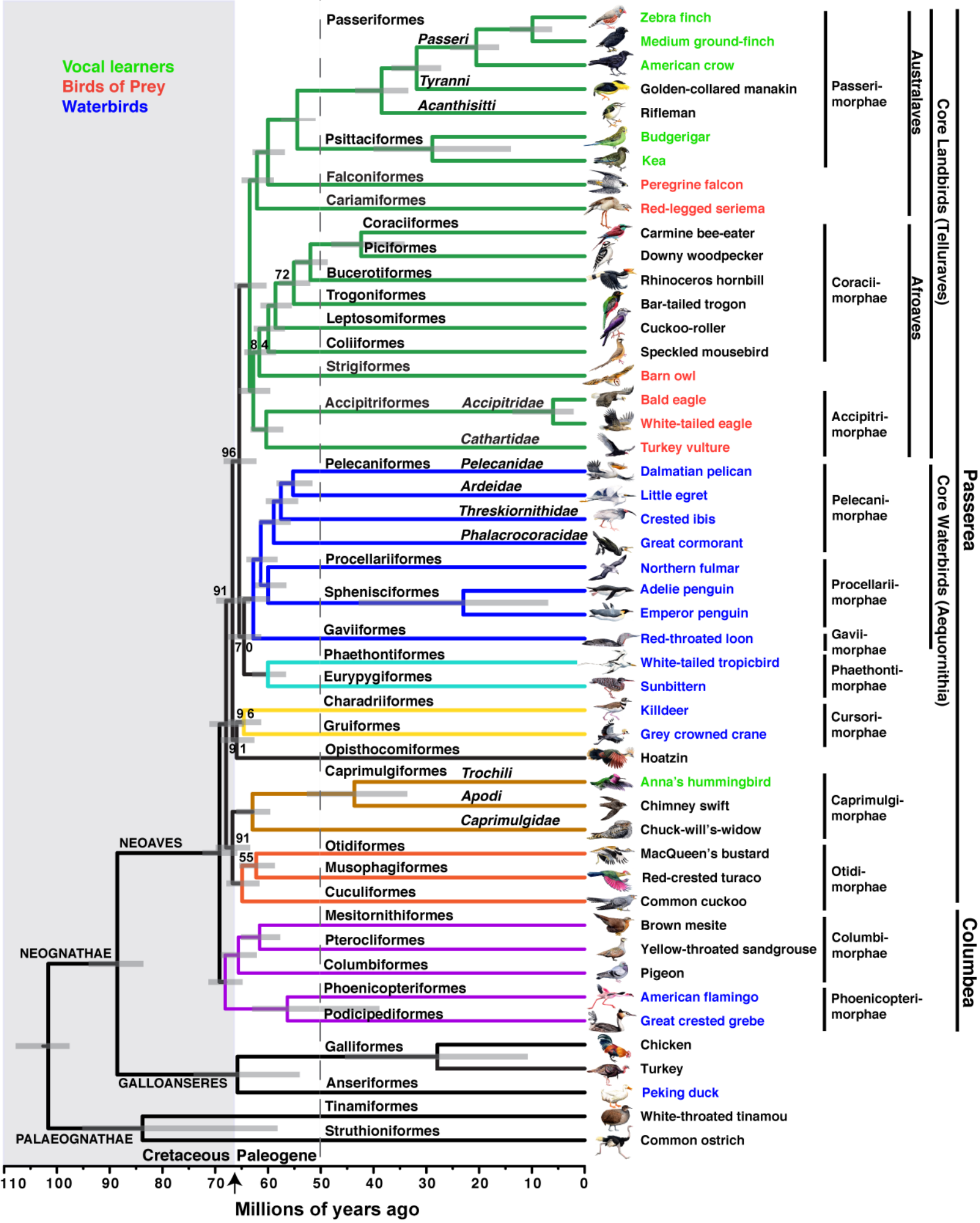
Vocal learners
Birds of Prey
Waterbirds
Passeriformes
Passeri
Tyranni
Acanthisitti
Psittaciformes
Falconiformes
Cariamiformes
Coraciiformes
Piciformes
Bucerotiformes
Trogoniformes
Leptosomiformes
Coliiformes
Strigiformes
Accipitriformes
Accipitridae
Cathartidae
Pelecaniformes
Pelecanidae
Ardeidae
Threskiornithidae
Phalacrocoracidae
Procellariiformes
Sphenisciformes
Gaviiformes
Phaethontiformes
Eurypygiformes
Charadriiformes
Gruiformes
Opisthocomiformes
Caprimulgiformes
Trochili
Apodi
Caprimulgidae
Otidiformes
Musophagiformes
Cuculiformes
Mesitornithiformes
Pterocliformes
Columbiformes
Phoenicopteriformes
Podicipediformes
Galliformes
Anseriformes
Tinamiformes
Struthioniformes
NEOAVES
NEOGNATHAE
GALLOANSERES
PALAEOGNATHAE
72
84
96
91
70
96
91
91
55
Zebra finch
Medium ground-finch
American crow
Golden-collared manakin
Rifleman
Budgerigar
Kea
Peregrine falcon
Red-legged seriema
Carmine bee-eater
Downy woodpecker
Rhinoceros hornbill
Bar-tailed trogon
Cuckoo-roller
Speckled mousebird
Barn owl
Bald eagle
White-tailed eagle
Turkey vulture
Dalmatian pelican
Little egret
Crested ibis
Great cormorant
Northern fulmar
Adelie penguin
Emperor penguin
Red-throated loon
White-tailed tropicbird
Sunbittern
Killdeer
Grey crowned crane
Hoatzin
Anna's hummingbird
Chimney swift
Chuck-will's-widow
MacQueen's bustard
Red-crested turaco
Common cuckoo
Brown mesite
Yellow-throated sandgrouse
Pigeon
American flamingo
Great crested grebe
Chicken
Turkey
Peking duck
White-throated tinamou
Common ostrich
Passeri-morphae
Coracii-morphae
Accipitri-morphae
Pelecani-morphae
Procellarii-morphae
Gavii-morphae
Phaethonti-morphae
Cursori-morphae
Caprimulgi-morphae
Otidi-morphae
Columbi-morphae
Phoenicopteri-morphae
Australaves
Afroaves
Core Landbirds (Telluraves)
Core Waterbirds (Aequornithia)
Passerea
Columbea
Cretaceous
Paleogene
110
100
90
80
70
60
50
40
30
20
10
0
Millions of years ago