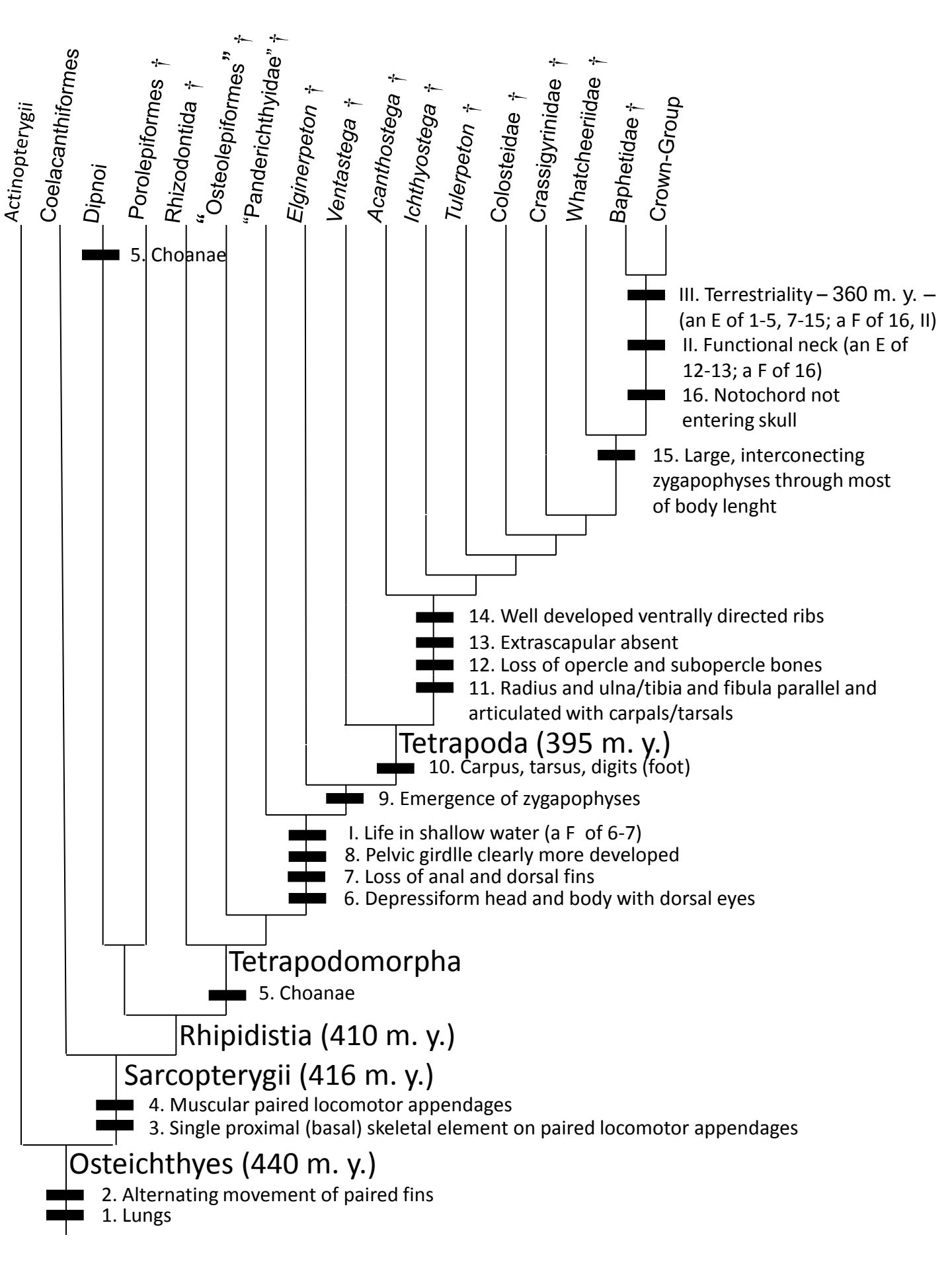
Actinopterygii
Coelacanthiformes
Dipnoi
Porolepiformes †
Rhizodontida †
"Osteolepiformes" †
"Panderichthyidae" †
Elginerpeton †
Ventastega †
Acanthostega †
Ichthyostega †
Tulerpeton †
Colosteidae †
Crassigyrinidae †
Whatcheeriidae †
Baphetidae †
Crown-Group
5. Choanae
III. Terrestriality – 360 m. y. –
(an E of 1-5, 7-15; a F of 16, II)
II. Functional neck (an E of 12-13; a F of 16)
16. Notochord not entering skull
15. Large, interconecting zygapophyses through most of body lenght
14. Well developed ventrally directed ribs
13. Extrascapular absent
12. Loss of opercle and subopercle bones
11. Radius and ulna/tibia and fibula parallel and articulated with carpals/tarsals
Tetrapoda (395 m. y.)
10. Carpus, tarsus, digits (foot)
9. Emergence of zygapophyses
I. Life in shallow water (a F of 6-7)
8. Pelvic girdlle clearly more developed
7. Loss of anal and dorsal fins
6. Depressiform head and body with dorsal eyes
Tetrapodomorpha
5. Choanae
Rhipidistia (410 m. y.)
Sarcopterygii (416 m. y.)
4. Muscular paired locomotor appendages
3. Single proximal (basal) skeletal element on paired locomotor appendages
Osteichthyes (440 m. y.)
2. Alternating movement of paired fins
1. Lungs