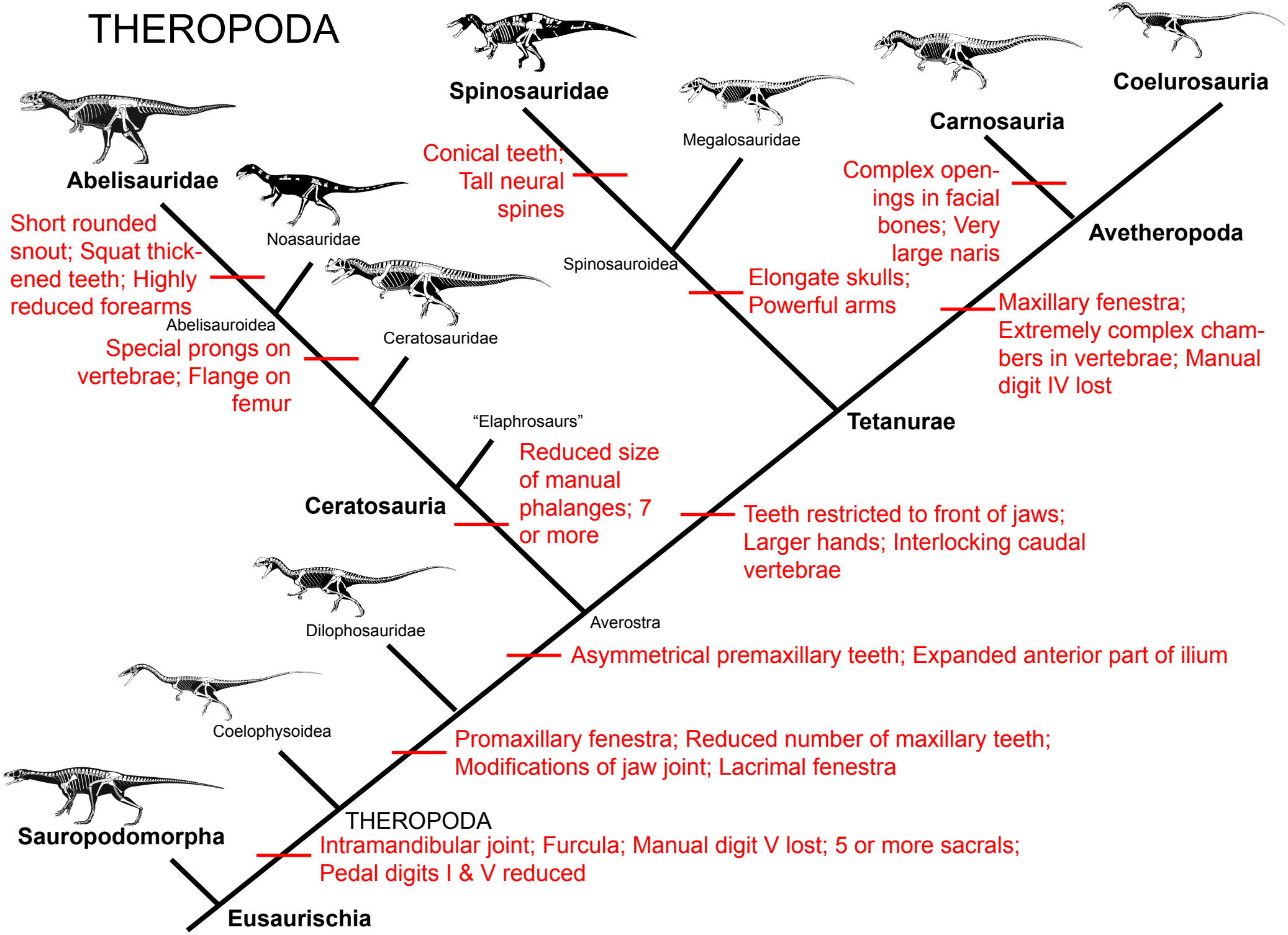
THEROPODA
Spinosauridae
Coelurosauria
Carnosauria
Megalosauridae
Abelisauridae
Conical teeth; Tall neural spines
Complex openings in facial bones; Very large naris
Noasauridae
Avetheropoda
Short rounded snout; Squat thickened teeth; Highly reduced forearms
Spinosauroidea
Elongate skulls; Powerful arms
Maxillary fenestra; Extremely complex chambers in vertebrae; Manual digit IV lost
Abelisauroidea
Ceratosauridae
Special prongs on vertebrae; Flange on femur
"Elaphrosaurs"
Tetanurae
Reduced size of manual phalanges; 7 or more
Ceratosauria
Teeth restricted to front of jaws; Larger hands; Interlocking caudal vertebrae
Dilophosauridae
Averostra
Asymmetrical premaxillary teeth; Expanded anterior part of ilium
Coelophysoidea
Promaxillary fenestra; Reduced number of maxillary teeth; Modifications of jaw joint; Lacrimal fenestra
Sauropodomorpha
THEROPODA
Intramandibular joint; Furcula; Manual digit V lost; 5 or more sacrals; Pedal digits I & V reduced
Eusaurischia