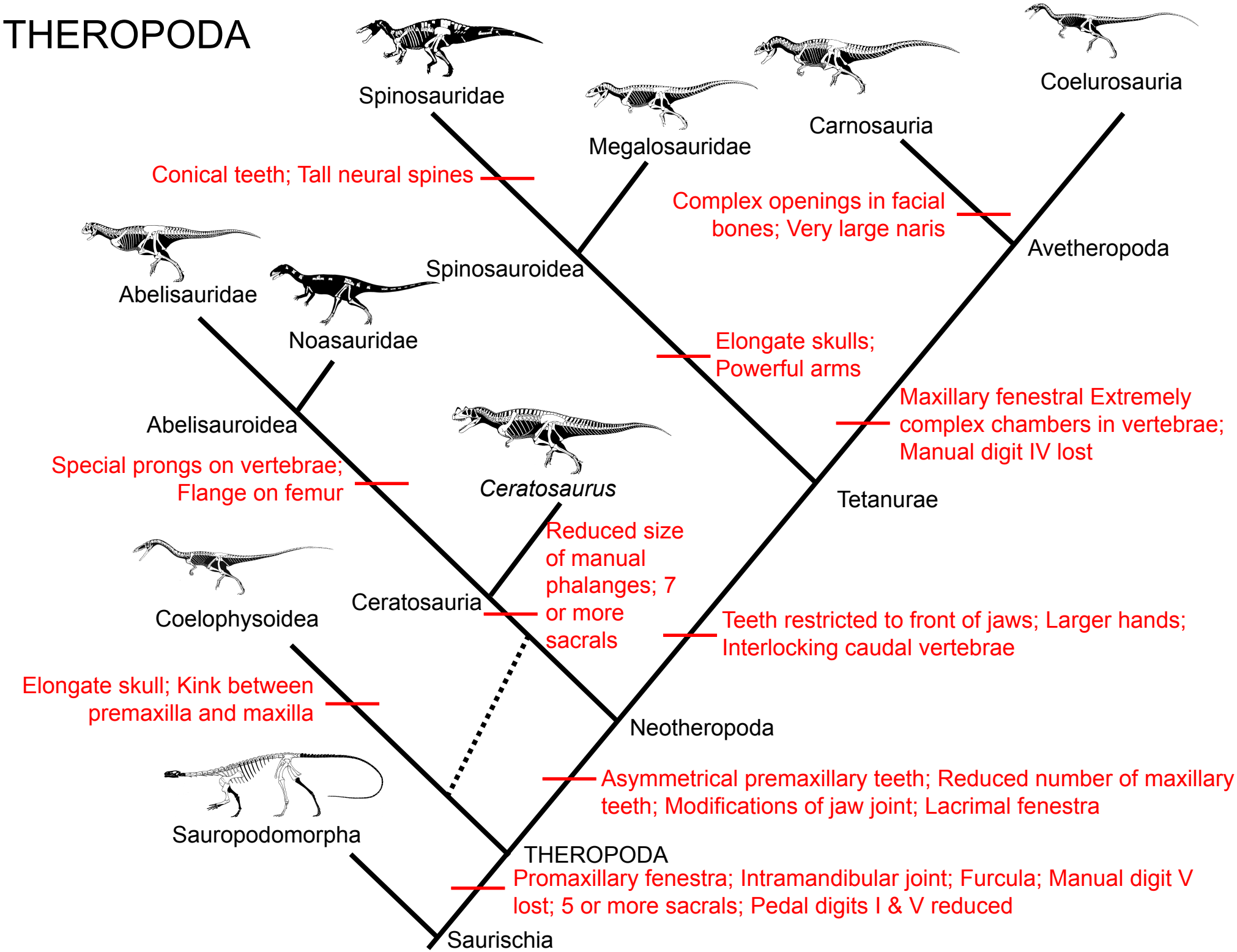
THEROPODA
Spinosauridae
Megalosauridae
Carnosauria
Coelurosauria
Conical teeth; Tall neural spines
Complex openings in facial bones; Very large naris
Avetheropoda
Abelisauridae
Spinosauroidea
Noasauridae
Elongate skulls; Powerful arms
Maxillary fenestral Extremely complex chambers in vertebrae; Manual digit IV lost
Abelisauroidea
Special prongs on vertebrae; Flange on femur
Ceratosaurus
Tetanurae
Reduced size of manual phalanges; 7 or more sacrals
Coelophysoidea
Ceratosauria
Teeth restricted to front of jaws; Larger hands; Interlocking caudal vertebrae
Elongate skull; Kink between premaxilla and maxilla
Neotheropoda
Asymmetrical premaxillary teeth; Reduced number of maxillary teeth; Modifications of jaw joint; Lacrimal fenestra
Sauropodomorpha
THEROPODA
Promaxillary fenestra; Intramandibular joint; Furcula; Manual digit V lost; 5 or more sacrals; Pedal digits I & V reduced
Saurischia