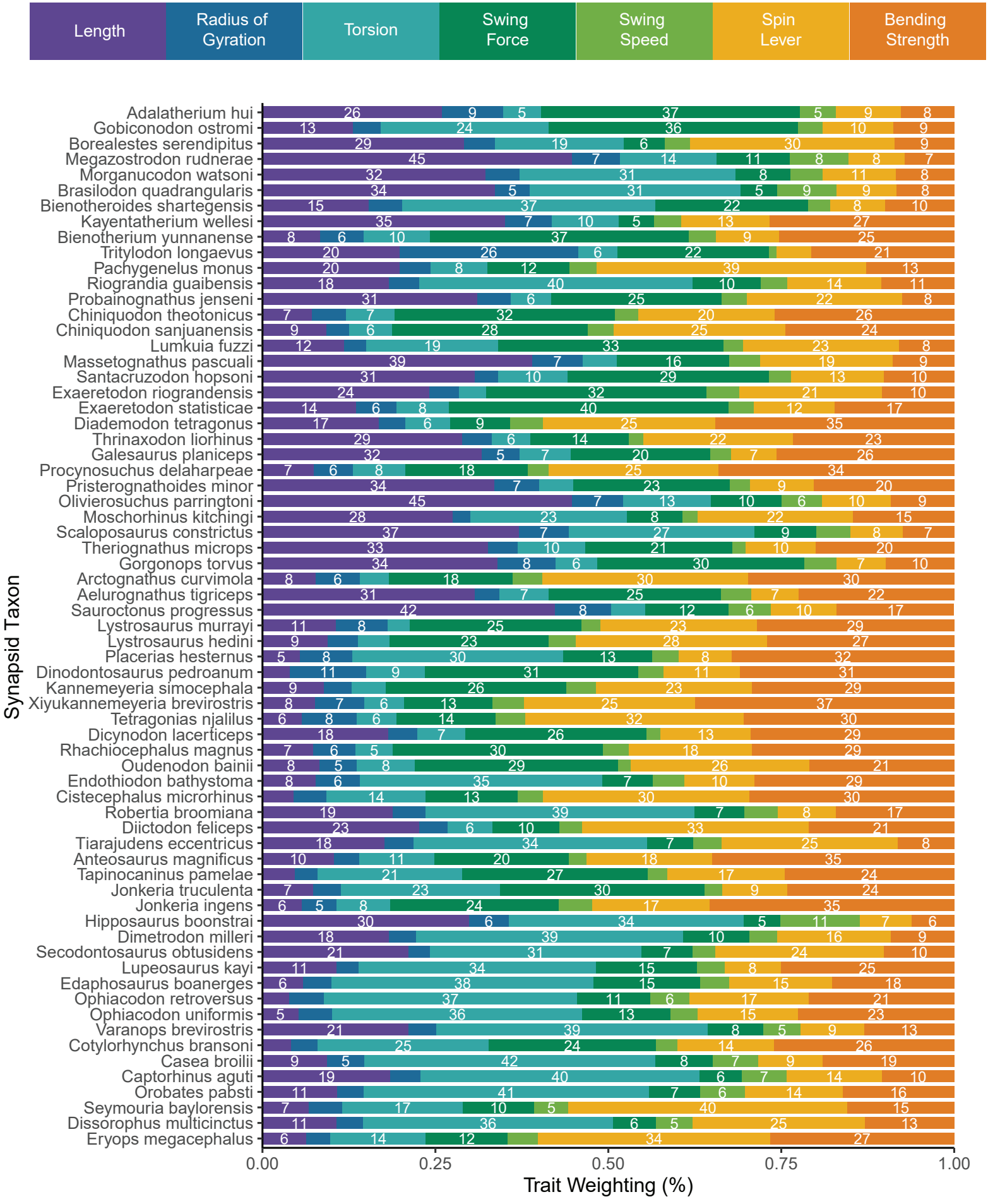
Length
Radius of Gyration
Torsion
Swing Force
Swing Speed
Spin Lever
Bending Strength
Synapsid Taxon
Adalatherium hui 26 9 5 37 5 9 8
Gobiconodon ostromi 13 24 36 10 9
Borealestes serendipitus 29 19 6 30 9
Megazostrodon rudnerae 45 7 14 11 8 8 7
Morganucodon watsoni 32 31 8 11 8
Brasilodon quadrangularis 34 5 31 5 9 9 8
Bienotheroides shartegensis 15 37 22 8 10
Kayentatherium wellesi 35 7 10 5 13 27
Bienotherium yunnanense 8 6 10 37 9 25
Tritylodon longaevus 20 26 6 22 21
Pachygenelus monus 20 8 12 39 13
Riograndia guaibensis 18 40 10 14 11
Probainognathus jenseni 31 6 25 22 8
Chiniquodon theotonicus 7 7 32 20 26
Chiniquodon sanjuanensis 9 6 28 25 24
Lumkuia fuzzi 12 19 33 23 8
Massetognathus pascuali 39 7 16 19 9
Santacruzodon hopsoni 31 10 29 13 10
Exaeretodon riograndensis 24 32 21 10
Exaeretodon statisticae 14 6 8 40 12 17
Diademodon tetragonus 17 6 9 25 35
Thrinaxodon liorhinus 29 6 14 22 23
Galesaurus planiceps 32 5 7 20 7 26
Procynosuchus delaharpeae 7 6 8 18 25 34
Pristerognathoides minor 34 7 23 9 20
Olivierosuchus parringtoni 45 7 13 10 6 10 9
Moschorhinus kitchingi 28 23 8 22 15
Scaloposaurus constrictus 37 7 27 9 8 7
Theriognathus microps 33 10 21 10 20
Gorgonops torvus 34 8 6 30 7 10
Arctognathus curvimola 8 6 18 30 30
Aelurognathus tigriceps 31 7 25 7 22
Sauroctonus progressus 42 8 12 6 10 17
Lystrosaurus murrayi 11 8 25 23 29
Lystrosaurus hedini 9 23 28 27
Placerias hesternus 5 8 30 13 8 32
Dinodontosaurus pedroanum 11 9 31 11 31
Kannemeyeria simocephala 9 26 23 29
Xiyukannemeyeria brevirostris 8 7 6 13 25 37
Tetragonias njalilus 6 8 6 14 32 30
Dicynodon lacerticeps 18 7 26 13 29
Rhachiocephalus magnus 7 6 5 30 18 29
Oudenodon bainii 8 5 8 29 26 21
Endothiodon bathystoma 8 6 35 7 10 29
Cistecephalus microrhinus 14 13 30 30
Robertia broomiana 19 39 7 8 17
Diictodon feliceps 23 6 10 33 21
Tiarajudens eccentricus 18 34 7 25 8
Anteosaurus magnificus 10 11 20 18 35
Tapinocaninus pamelae 21 27 17 24
Jonkeria truculenta 7 23 30 9 24
Jonkeria ingens 6 5 8 24 17 35
Hipposaurus boonstrai 30 6 34 5 11 7 6
Dimetrodon milleri 18 39 10 16 9
Secodontosaurus obtusidens 21 31 7 24 10
Lupeosaurus kayi 11 34 15 8 25
Edaphosaurus boanerges 6 38 15 15 18
Ophiacodon retroversus 37 11 6 17 21
Ophiacodon uniformis 5 36 13 15 23
Varanops brevirostris 21 39 8 5 9 13
Cotylorhynchus bransoni 25 24 14 26
Casea broilii 9 5 42 8 7 9 19
Captorhinus aguti 19 40 6 7 14 10
Orobates pabsti 11 41 7 6 14 16
Seymouria baylorensis 7 17 10 5 40 15
Dissorophus multicinctus 11 36 6 5 25 13
Eryops megacephalus 6 14 12 34 27
0.00
0.25
0.50
0.75
1.00
Trait Weighting (%)