

Table 1: First and last appearance dates used in measures of stratigraphic congruence.

Taxon	FAD	LAD
<i>Acresuchus pachytemporalis</i>	11.62	5.333
<i>Acynodon iberoccitanus</i>	77.9	66
<i>Agaresuchus fontisensis</i>	77.9	69
<i>Aktiogavialis caribesi</i>	11.6	7.2
<i>Alligator mcgrewi</i>	20.43	15.97
<i>Alligator mefferdi</i>	13.8	10.3
<i>Alligator mississippiensis</i>	10.3	0
<i>Alligator olseni</i>	20.4	16
<i>Alligator prenasalis</i>	37.2	33.9
<i>Alligator sinensis</i>	3.6	0
<i>Allodaposuchus precedens</i>	77.9	66
<i>Allognathosuchus polyodon</i>	50.3	47.8
<i>Allognathosuchus wartheni</i>	56	50.3
<i>Arambourgia gaudryi</i>	37.8	33.9
<i>Argochampsia krebsi</i>	66	56
<i>Asiatosuchus depressifrons</i>	56	47.8
<i>Asiatosuchus germanicus</i>	47.8	41.2
<i>Asiatosuchus nanlingensis</i>	61.6	59.2
<i>Australosuchus clarkae</i>	28.1	16
<i>Baru darrowi</i>	16	11.6
<i>Baru huberi</i>	28.1	23
<i>Baru wickeni</i>	28.1	23
<i>Bernissartia fagesii</i>	129.4	125
<i>Borealosuchus acutidentatus</i>	66	63.3
<i>Borealosuchus formidabilis</i>	61.6	59.2
<i>Borealosuchus sternbergii</i>	70.6	63.3
<i>Borealosuchus threensis</i>	70.6	61.7
<i>Borealosuchus wilsoni</i>	56	47.8
<i>Bottosaurus harlani</i>	70.6	66
<i>Boverisuchus magnifrons</i>	47.8	41.2
<i>Boverisuchus vorax</i>	50.3	47.8
<i>Brachychampsia montana</i>	72.1	66
<i>Brochuchus pigotti</i>	20.4	16
<i>Caiman brevirostris</i>	11.6	5.3
<i>Caiman crocodilus</i>	2.58	0
<i>Caiman gasparinae</i>	11.6	7.2
<i>Caiman latirostris</i>	9	0
<i>Caiman lutescens</i>	11.6	7.2
<i>Caiman wannlangstoni</i>	16	5.3
<i>Caiman yacare</i>	11.6	0
<i>Ceratosuchus burdoschi</i>	56.8	56
<i>Crocodylus acutus</i>	2.6	0.1

Taxon	FAD	LAD
' <i>Crocodylus</i> ' <i>affinis</i>	50.3	47.8
<i>Crocodylus anthropophagus</i>	1.8	0.01
<i>Crocodylus intermedius</i>	0.1	0
<i>Crocodylus johnstoni</i>	2.6	0
' <i>Crocodylus</i> ' <i>megarhinus</i>	33.9	28.1
<i>Crocodylus mindorensis</i>	0.1	0
<i>Crocodylus moreletii</i>	0.1	0
<i>Crocodylus niloticus</i>	11.6	0
<i>Crocodylus novaeguineae</i>	0.1	0
<i>Crocodylus palaeindicus</i>	11.6	2.6
<i>Crocodylus palustris</i>	0.1	0.01
<i>Crocodylus porosus</i>	5.3	0
<i>Crocodylus rhombifer</i>	2.6	0
<i>Crocodylus siamensis</i>	2.6	0.8
<i>Crocodylus thorbjarnarsoni</i>	5.3	1.8
<i>Caiman</i> cf. <i>lutescens</i> , ('La Venta <i>Caiman</i> ')	11.6	7.2
<i>Dadagavialis gunai</i>	23.03	15.97
<i>Diplocynodon darwini</i>	47.8	41.2
<i>Diplocynodon deponiae</i>	47.8	41.2
<i>Diplocynodon hantoniensis</i>	37.8	33.9
<i>Diplocynodon muelleri</i>	33.9	28.1
<i>Diplocynodon ratelii</i>	23	13.8
<i>Diplocynodon remensis</i>	59.2	56
<i>Diplocynodon tormis</i>	41.2	37.8
<i>Dollosuchoides densmorei</i>	47.8	41.2
<i>Eocaiman cavernensis</i>	47.8	37.8
<i>Eocaiman palaeocenicus</i>	66	61.6
<i>Eogavialis africanum</i>	38	28.4
<i>Eosuchus lerichei</i>	58.7	55.8
<i>Eosuchus minor</i>	59.2	47.8
<i>Eothoracosaurus mississippiensis</i>	72.6	66
<i>Euthecodon arambourgi</i>	23	16
<i>Gavialis browni</i>	11.6	5.3
<i>Gavialis gangeticus</i>	2.6	0
<i>Gavialis lewisi</i>	5.3	2.6
<i>Gavialosuchus eggenburgensis</i>	20.4	16
Glen Rose form	125	100.5
<i>Globidentosuchus brachyrostris</i>	11.6	5.3
<i>Gnatusuchus pebasensis</i>	16	11.6
<i>Gryposuchus colombianus</i>	16	11.6
<i>Gryposuchus croizati</i>	11.6	5.3
<i>Gryposuchus neogaeus</i>	11.6	7.2
<i>Gryposuchus pachakamue</i>	16	11.6
<i>Hassiacosuchus haupti</i>	47.8	41.2
<i>Hylaeochampsia vectiana</i>	127.2	125

Taxon	FAD	LAD
<i>Iharkutosuchus makadii</i>	86.3	83.6
<i>Ikanogavialis gameroi</i>	11.6	6.8
<i>Isisfordia duncani</i>	106.8	97.2
<i>Jiangxisuchus nankangensis</i>	70.6	66
<i>Kambara implexidens</i>	56	47.8
<i>Kambara murgonensis</i>	56	47.8
<i>Kambara taraina</i>	47.8	33.9
<i>Kentisuchus spenceri</i>	55.8	48.6
<i>Kuttanacaiman iquitosensis</i>	16	11.6
<i>Leidyosuchus canadensis</i>	77.9	72.1
<i>Lohuecosuchus megadontos</i>	77.9	69
<i>Maomingosuchus petrolica</i>	37.8	33.9
<i>Marccosuchus zennaroi</i>	55.8	48.6
<i>Mecistops cataphractus</i>	11.6	0
<i>Mekosuchus inexpectatus</i>	0.01	0
<i>Mekosuchus sanderi</i>	16	11.6
<i>Mekosuchus whitehunterensis</i>	28.1	23
<i>Melanosuchus niger</i>	0.1	0
<i>Mourasuchus amazonensis</i>	11.6	7.2
<i>Mourasuchus arendsi</i>	11.6	5.3
<i>Mourasuchus atopus</i>	16	5.3
<i>Navajosuchus mooki</i>	66	61.6
<i>Necrosuchus ionensis</i>	61.6	59.2
<i>Osteolaemus tetraspis</i>	11.6	0
<i>Paleosuchus palpebrosus</i>	0.1	0
<i>Paleosuchus trigonatus</i>	0.1	0
<i>Paratomistoma courti</i>	41.3	38
<i>Penghusuchus pani</i>	11.5	5.3
<i>Piscogavialis jugaliperforatus</i>	11.6	5.3
<i>Planocrania datangensis</i>	61.6	59.2
<i>Planocrania hengdongensis</i>	59.2	56
<i>Portugalosuchus azenhae</i>	99.7	94.3
<i>Procaimanoidea utahensis</i>	46.2	41.2
<i>Protocaiman peligrensis</i>	66	61.6
<i>Purussaurus barasiliensis</i>	11.6	7.2
<i>Purussaurus mirandai</i>	11.6	5.3
<i>Purussaurus neivensis</i>	16	5.3
<i>Quinkana</i>	28.1	0.01
<i>Shamosuchus djadochtaensis</i>	83.6	72.1
<i>Siquisiquesuchus venezuelensis</i>	20.4	16
<i>Stangerochampsia mccabei</i>	70.6	66
<i>Thecachampsia antiquus</i>	13.8	5.3
<i>Thecachampsia sericodon</i>	15.97	11.6
<i>Theriosuchus pusillus</i>	145.5	140.2
<i>Thoracosaurus isorhynchus</i>	70.6	61.6

Taxon	FAD	LAD
<i>Thoracosaurus neocesariensis</i>	70.6	61.7
<i>Tomistoma cairense</i>	47.8	41.2
<i>Tomistoma dowsoni</i>	23	16
<i>Tomistoma lusitanica</i>	20.4	7.2
<i>Tomistoma schlegelii</i>	0.1	0
<i>Toyotamaphimeia machikanensis</i>	0.8	0.1
<i>Trilophosuchus rackhami</i>	16	11.6
<i>Tsoabichi greenriverensis</i>	56	47.8
<i>Ultrastenos willisi</i>	28.1	23
<i>Voay robustus</i>	0.1	0.01
<i>Wannaganosuchus brachymanus</i>	61.6	56
<i>Wannchampsus kirpachi</i>	119	113