

Synapomorphies common to 11 trees

Comment: For node numbers, please refer to nodes in consensus tree. However, please note that this summary is an export from TNT. All characters are thereby "underreported" by a value of one (e.g., character 5 in this list is character 6 in the character matrix).

Proganochelys_quenstedti :

All trees:

No autapomorphies:

Platychelys_oberndorferi :

All trees:

Char. 179: 0 --> 1

Char. 193: 0 --> 1

Char. 201: 1 --> 2

Notoemys_laticentralis :

All trees:

Char. 194: 1 --> 2

Char. 200: 1 --> 0

Char. 201: 1 --> 0

Char. 206: 0 --> 1

Pseudemydura_umbrina :

All trees:

Char. 9: 1 --> 0

Char. 17: 1 --> 0

Char. 81: 2 --> 0

Char. 102: 1 --> 2

Char. 107: 1 --> 0

Char. 111: 2 --> 1

Char. 169: 0 --> 1

Char. 172: 0 --> 1

Char. 183: 1 --> 0

Char. 202: 1 --> 0

Char. 207: 0 --> 1

Char. 216: 0 --> 1

Char. 226: 0 --> 1

Char. 227: 0 --> 1

Char. 229: 0 --> 1

Char. 235: 0 --> 1

Char. 236: 0 --> 1

Elseya_dentata :

All trees:

Char. 47: 0 --> 1

Char. 59: 0 --> 1

Char. 103: 0 --> 1
Char. 128: 1 --> 2
Char. 191: 0 --> 1
Char. 208: 0 --> 1

Emydura_macquarii :

All trees:

Char. 70: 1 --> 0
Char. 189: 0 --> 1
Char. 191: 0 --> 1

Myuchelys_latisternum :

All trees:

Char. 3: 0 --> 1
Char. 8: 0 --> 1
Char. 70: 1 --> 0
Char. 129: 0 --> 1
Char. 207: 0 --> 1
Char. 218: 1 --> 0

Acanthochelys_radiolata :

All trees:

Char. 5: 0 --> 1
Char. 98: 2 --> 1
Char. 164: 0 --> 2
Char. 223: 1 --> 0

Platemys_platycephala :

All trees:

Char. 9: 1 --> 0
Char. 18: 2 --> 1
Char. 19: 3 --> 0
Char. 34: 2 --> 0
Char. 46: 0 --> 1
Char. 50: 2 --> 0
Char. 65: 0 --> 1
Char. 66: 0 --> 1
Char. 153: 0 --> 3
Char. 157: 0 --> 1
Char. 158: 1 --> 2
Char. 170: 1 --> 2
Char. 179: 0 --> 1
Char. 183: 1 --> 0
Char. 204: 1 --> 0
Char. 213: 0 --> 1
Char. 260: 2 --> 0

Phrynops_hilarii :

All trees:

Char. 230: 1 --> 0

Char. 263: 0 --> 1

Phrynops_geoffroanus :

All trees:

Char. 192: 2 --> 1

Char. 264: 0 --> 1

Mesoclemmys_nasuta :

All trees:

Char. 87: 0 --> 1

Char. 128: 1 --> 2

Char. 174: 3 --> 4

Char. 176: 0 --> 1

Char. 177: 0 --> 3

Char. 181: 1 --> 2

Chelodina_colliei :

All trees:

Char. 38: 0 --> 1

Char. 61: 0 --> 1

Char. 67: 0 --> 1

Char. 98: 2 --> 1

Char. 117: 1 --> 0

Char. 172: 0 --> 1

Char. 174: 2 --> 5

Char. 176: 0 --> 1

Char. 181: 1 --> 0

Char. 183: 1 --> 0

Char. 194: 1 --> 0

Char. 200: 1 --> 0

Char. 208: 0 --> 1

Char. 211: 1 --> 0

Char. 213: 0 --> 1

Char. 214: 1 --> 0

Char. 223: 1 --> 2

Char. 226: 0 --> 1

Char. 227: 0 --> 1

Char. 229: 0 --> 1

Char. 243: 0 --> 1

Chelus_colombianus :

All trees:

Char. 190: 1 --> 2

Char. 196: 1 --> 0

Char. 243: 0 --> 1

Chelus_fimbriatus :

All trees:

Char. 195: 1 --> 0

Char. 226: 0 --> 1

Char. 233: 1 --> 0

Hydromedusa_tectifera :

All trees:

Char. 172: 0 --> 1

Char. 204: 1 --> 0

Char. 211: 1 --> 0

Hydromedusa_maximilliani :

All trees:

Char. 181: 1 --> 0

Char. 206: 1 --> 0

Char. 210: 0 --> 1

Char. 236: 0 --> 1

Bonapartemys_bajobarrealis :

All trees:

Char. 181: 1 --> 2

Char. 191: 0 --> 1

Char. 192: 2 --> 1

Char. 194: 1 --> 2

Char. 208: 0 --> 1

Prochelidella_cerrobarcinae :

All trees:

Char. 180: 0 --> 1

Char. 182: 1 --> 2

Char. 185: 0 --> 1

Char. 204: 0 --> 1

Char. 206: 0 --> 1

Char. 244: 0 --> 1

Yaminuechelys_maior :

All trees:

Char. 158: 2 --> 3

Char. 236: 0 --> 1

Yaminuechelys_gasparinii :

All trees:

No autapomorphies:

Pelusios_castaneus :

All trees:

Char. 43: 0 --> 1

Char. 103: 0 --> 1

Pelusios_castanoides :

All trees:

Char. 46: 1 --> 0

Char. 173: 1 --> 2

Pelomedusa_subrufa :

All trees:

Char. 139: 0 --> 1

Char. 170: 1 --> 2

Char. 180: 0 --> 1

Char. 206: 0 --> 1

Char. 245: 1 --> 2

Char. 264: 0 --> 1

Char. 265: 1 --> 0

Araripemys_barretoi :

All trees:

Char. 18: 1 --> 3

Char. 64: 0 --> 1

Char. 140: 1 --> 0

Char. 143: 0 --> 1

Char. 170: 1 --> 2

Char. 190: 1 --> 0

Char. 206: 0 --> 1

Char. 207: 0 --> 2

Char. 209: 0 --> 1

Char. 224: 1 --> 2

Laganemys_tenerensis :

All trees:

Char. 109: 0 --> 1

Char. 142: 1 --> 0

Char. 170: 1 --> 0

Char. 175: 1 --> 0

Char. 183: 1 --> 0

Char. 193: 0 --> 1

Euraxemys_essweini :

All trees:

Char. 46: 1 --> 0

Char. 98: 2 --> 1

Char. 100: 1 --> 0

Dirqadim_schaefferi :

All trees:

Char. 17: 2 --> 1

Char. 48: 2 --> 0

Sokatra_antitra :

All trees:

Char. 13: 1 --> 0

Char. 59: 0 --> 1

Char. 88: 1 --> 0

Char. 94: 2 --> 1

Char. 101: 0 --> 1

Char. 135: 0 --> 1

Char. 141: 0 --> 1

Char. 144: 0 --> 1

Char. 266: 0 --> 1

Sahonachelys_mailakavava :

All trees:

Char. 4: 0 --> 1

Char. 6: 0 --> 1

Char. 9: 1 --> 2

Char. 53: 0 --> 1

Char. 111: 1 --> 0

Char. 257: 0 --> 2

Kurmademys_kallamedensis :

All trees:

Char. 62: 0 --> 1

Char. 98: 1 --> 0

Sankuchemys_sethnai :

All trees:

Char. 59: 0 --> 1

Char. 66: 0 --> 1

Char. 114: 1 --> 0

Jainemys_pisdurensis_(composite :

All trees:

No autapomorphies:

Atolchelys_lepida :

All trees:

Char. 53: 0 --> 1

Char. 55: 0 --> 1

Char. 66: 0 --> 1

Char. 70: 1 --> 0
Char. 100: 12 --> 0
Char. 101: 0 --> 1
Char. 125: 0 --> 1
Char. 216: 0 --> 1

Cearachelys_placidoi :

All trees:

Char. 69: 1 --> 0
Char. 82: 1 --> 0

Galianemys_emringeri :

All trees:

Char. 246: 1 --> 0
Char. 247: 1 --> 0
Char. 257: 0 --> 1

Galianemys_whitei :

All trees:

No autapomorphies:

Kinkonychelys_rogersi :

All trees:

Char. 4: 0 --> 1

Foxemys_mechinorum :

All trees:

Char. 48: 2 --> 0
Char. 223: 1 --> 0

Foxemys_trabanti :

All trees:

No autapomorphies:

Polysternon_provinciale :

All trees:

Char. 87: 1 --> 0
Char. 110: 0 --> 1
Char. 169: 0 --> 1
Char. 216: 1 --> 0
Char. 228: 0 --> 1

Araiochelys_hirayamen :

All trees:

Char. 4: 1 --> 0
Char. 9: 2 --> 1
Char. 102: 0 --> 1

Char. 141: 2 --> 0
Char. 173: 1 --> 2
Char. 175: 1 --> 2
Char. 228: 0 --> 1

Zolhafah_bella :

All trees:

Char. 32: 1 --> 0
Char. 44: 0 --> 1
Char. 57: 0 --> 1
Char. 106: 1 --> 0
Char. 114: 1 --> 2

Rosasia_soutoi :

All trees:

Char. 56: 1 --> 2
Char. 181: 1 --> 0
Char. 226: 1 --> 0
Char. 245: 1 --> 2

Bothremys_maghrebiana :

All trees:

Char. 32: 1 --> 0
Char. 110: 0 --> 1

Bothremys_cooki :

All trees:

No autapomorphies:

Bothremys_arabicus :

All trees:

No autapomorphies:

Bothremys_kellyi :

All trees:

Char. 32: 1 --> 0
Char. 98: 2 --> 1

Chedighaii_hutchisoni :

All trees:

No autapomorphies:

Chedighaii_barberi :

All trees:

Char. 55: 2 --> 1

Taphrosphys_sulcatus :

All trees:

Char. 102: 0 --> 1

Char. 114: 1 --> 0

Taphrosphys_ippolitoi :

All trees:

No autapomorphies:

Taphrosphys_congolensis :

All trees:

No autapomorphies:

Acleistochelys_maliensis :

All trees:

Char. 33: 0 --> 1

Char. 59: 0 --> 1

Char. 60: 0 --> 1

Char. 77: 1 --> 2

Char. 88: 0 --> 1

Char. 94: 2 --> 0

Char. 109: 1 --> 0

Azabbaremys_moragjonesi :

All trees:

Char. 43: 1 --> 0

Char. 45: 0 --> 1

Char. 85: 01 --> 3

Labrostocheles_galkini :

All trees:

Char. 0: 0 --> 1

Char. 6: 0 --> 1

Char. 44: 0 --> 1

Char. 51: 1 --> 2

Char. 73: 1 --> 0

Char. 100: 1 --> 2

Char. 246: 1 --> 0

Char. 248: 1 --> 0

Phosphatocheles_tedfordi :

All trees:

Char. 24: 0 --> 1

Char. 263: 0 --> 1

Ummulisani_rutgersensis :

All trees:

Char. 85: 0 --> 3

Char. 100: 1 --> 2

Char. 102: 0 --> 1

Char. 245: 1 --> 2

Rhothonemys_brinkmani :

All trees:

No autapomorphies:

Arenila_krebsi :

All trees:

No autapomorphies:

Nigeremys_gigantea :

All trees:

Char. 70: 1 --> 0

Brasilemys_josai :

All trees:

Char. 80: 2 --> 1

Char. 81: 1 --> 0

Char. 108: 0 --> 1

Char. 174: 2 --> 1

Hamadachelys_escuilliei :

All trees:

Char. 147: 0 --> 1

Char. 251: 1 --> 0

Portezueloemys_patagonica :

All trees:

Char. 27: 0 --> 1

Char. 173: 1 --> 2

Char. 207: 0 --> 2

Bauruemys_elegans :

All trees:

Char. 157: 0 --> 1

Char. 173: 1 --> 2

Char. 177: 0 --> 1

Cambaremys_langertoni :

All trees:

Char. 170: 1 --> 2

Peiropemys_mezzalirai :

All trees:

Char. 54: 1 --> 0

Lapparentemys_vilavilensis :

All trees:

No autapomorphies:

Pricemys_caiera :

All trees:

Char. 26: 0 --> 2

Char. 28: 0 --> 1

Podocnemis_vogli :

All trees:

Char. 174: 2 --> 1

Char. 208: 0 --> 1

Char. 236: 0 --> 1

Podocnemis_lewyana :

All trees:

Char. 219: 2 --> 1

Podocnemis_unifilis :

All trees:

Char. 178: 0 --> 1

Podocnemis_erythrocephala :

All trees:

Char. 95: 0 --> 1

Char. 160: 0 --> 1

Char. 170: 1 --> 2

Char. 181: 2 --> 1

Char. 207: 1 --> 2

Char. 221: 0 --> 1

Podocnemis_expansa :

All trees:

Char. 77: 0 --> 1

Char. 207: 1 --> 2

Char. 221: 0 --> 1

Podocnemis_sextuberculata :

All trees:

No autapomorphies:

Podocnemis_bassleri :

All trees:

Char. 51: 1 --> 0

Char. 52: 0 --> 1

Peltocephalus_dumerilianus :

All trees:

Char. 13: 1 --> 0
Char. 31: 0 --> 1
Char. 48: 2 --> 0
Char. 59: 0 --> 1
Char. 105: 1 --> 0
Char. 207: 0 --> 2
Char. 227: 1 --> 0
Char. 245: 1 --> 0

Erymnochelys_madagascariensis :

All trees:

Char. 13: 1 --> 0
Char. 26: 0 --> 1
Char. 105: 1 --> 0

Cerrejonemys_wayuunaiki :

All trees:

Char. 64: 0 --> 1
Char. 134: 0 --> 1

Stupendemys_geographicus :

All trees:

Char. 26: 0 --> 1
Char. 28: 0 --> 1
Char. 52: 0 --> 1
Char. 73: 0 --> 1
Char. 80: 2 --> 0
Char. 85: 1 --> 2
Char. 87: 0 --> 1
Char. 159: 0 --> 1
Char. 169: 0 --> 1
Char. 204: 0 --> 1

Dacquemys_paleomorpha :

All trees:

Char. 137: 0 --> 1

UCMP_42008 :

All trees:

Char. 1: 0 --> 1
Char. 13: 1 --> 0
Char. 31: 0 --> 1
Char. 86: 0 --> 1
Char. 107: 1 --> 0

Carbonemys_cofrinii :

All trees:

Char. 87: 0 --> 1

Char. 245: 1 --> 2

Kenyemys_williamsi :

All trees:

Char. 169: 0 --> 1

Char. 172: 0 --> 1

Char. 178: 0 --> 1

Char. 200: 1 --> 0

Char. 210: 0 --> 1

Turkanemys_pattersoni :

All trees:

Char. 137: 0 --> 1

Char. 171: 1 --> 0

Char. 189: 0 --> 1

Char. 201: 0 --> 1

Neochelys_fajumensis :

All trees:

Char. 80: 2 --> 1

Char. 185: 0 --> 1

Char. 201: 0 --> 1

Neochelys_arenarum :

All trees:

No autapomorphies:

Neochelys_franzeni :

All trees:

Char. 228: 1 --> 0

Papoulemys_laurenti :

All trees:

Char. 173: 2 --> 1

Char. 219: 2 --> 1

Mogharemys_blackenhorni :

All trees:

Char. 113: 0 --> 1

Char. 117: 1 --> 0

Brontochelys_gaffneyi :

All trees:

No autapomorphies:

Lemurchelys_diasphax :

All trees:

Char. 110: 1 --> 0

Shweboemys_pilgrimi :

All trees:

No autapomorphies:

Stereogenys_cromeri :

All trees:

Char. 42: 1 --> 0

Char. 129: 2 --> 1

Cordichelys_antiqua :

All trees:

Char. 13: 1 --> 0

Char. 85: 2 --> 1

Latentemys_plowdeni :

All trees:

Char. 245: 1 --> 2

Some trees:

Char. 88: 1 --> 0

Bairdemys_thalassica :

Some trees:

Char. 102: 0 --> 1

Bairdemys_healeyorum :

Some trees:

Char. 140: 0 --> 1

Char. 180: 0 --> 1

Char. 241: 1 --> 0

Bairdemys_venezuelensis :

Some trees:

Char. 167: 0 --> 1

Char. 173: 2 --> 4

Char. 182: 1 --> 0

Bairdemys_hartsteini :

Some trees:

Char. 124: 1 --> 0

Bairdemys_sanchezi :

Some trees:

Char. 17: 1 --> 2
Char. 110: 1 --> 0
Char. 129: 2 --> 1
Char. 266: 0 --> 1

Bairdemys_winklerae :

All trees:

No autapomorphies:

Piramys_auffenbergi :

All trees:

Char. 119: 0 --> 1

Node 104 :

All trees:

Char. 187: 0 --> 1
Char. 205: 0 --> 1
Char. 219: 1 --> 0
Char. 225: 1 --> 0

Node 105 :

All trees:

No synapomorphies

Node 106 :

All trees:

Char. 88: 0 --> 1
Char. 98: 1 --> 2
Char. 140: 1 --> 0
Char. 217: 1 --> 0

Node 107 :

All trees:

Char. 67: 1 --> 0
Char. 125: 0 --> 1
Char. 164: 1 --> 0
Char. 195: 0 --> 1
Char. 258: 1 --> 0

Node 108 :

All trees:

Char. 10: 0 --> 1
Char. 13: 12 --> 3
Char. 14: 1 --> 0
Char. 34: 0 --> 2
Char. 37: 0 --> 1

Char. 39: 0 --> 1
Char. 48: 2 --> 1
Char. 50: 0 --> 2
Char. 65: 1 --> 0
Char. 81: 01 --> 2
Char. 159: 1 --> 0
Char. 173: 01 --> 4
Char. 224: 1 --> 2
Char. 257: 0 --> 2

Node 109 :

All trees:

Char. 171: 2 --> 1
Char. 224: 0 --> 1
Char. 238: 1 --> 0

Node 110 :

All trees:

Char. 170: 0 --> 1
Char. 174: 0 --> 1
Char. 199: 0 --> 1
Char. 202: 0 --> 1
Char. 218: 0 --> 1
Char. 219: 1 --> 2
Char. 233: 0 --> 1

Node 111 :

All trees:

Char. 43: 0 --> 1
Char. 121: 0 --> 1
Char. 197: 0 --> 1

Node 112 :

All trees:

Char. 101: 0 --> 1
Char. 194: 1 --> 2

Node 113 :

All trees:

Char. 18: 0 --> 2
Char. 19: 0 --> 3
Char. 53: 0 --> 1
Char. 112: 0 --> 1
Char. 126: 0 --> 2
Char. 139: 0 --> 1
Char. 185: 0 --> 1
Char. 205: 0 --> 1

Char. 206: 0 --> 1

Char. 218: 1 --> 0

Node 114 :

All trees:

Char. 99: 0 --> 1

Char. 195: 1 --> 0

Char. 196: 1 --> 0

Char. 210: 1 --> 0

Char. 240: 1 --> 0

Node 115 :

All trees:

Char. 219: 2 --> 0

Char. 236: 0 --> 1

Node 116 :

All trees:

Char. 4: 0 --> 1

Char. 152: 0 --> 1

Char. 173: 4 --> 3

Node 117 :

All trees:

Char. 9: 1 --> 2

Char. 19: 3 --> 2

Char. 129: 0 --> 1

Char. 150: 0 --> 1

Char. 168: 0 --> 1

Char. 210: 1 --> 0

Char. 257: 2 --> 1

Node 118 :

All trees:

Char. 0: 0 --> 2

Char. 42: 0 --> 1

Char. 128: 1 --> 0

Char. 149: 0 --> 1

Char. 152: 0 --> 2

Char. 161: 0 --> 1

Char. 162: 0 --> 1

Char. 173: 4 --> 12

Char. 199: 1 --> 0

Node 119 :

All trees:

Char. 175: 1 --> 0

Char. 178: 0 --> 1
Char. 179: 0 --> 1
Char. 191: 0 --> 1
Char. 193: 0 --> 2
Char. 219: 2 --> 0
Char. 244: 0 --> 1

Node 120 :

All trees:

Char. 151: 0 --> 1
Char. 154: 0 --> 1
Char. 164: 0 --> 1
Char. 171: 1 --> 0
Char. 175: 1 --> 0
Char. 177: 0 --> 1
Char. 190: 1 --> 0
Char. 192: 2 --> 3
Char. 198: 0 --> 1
Char. 205: 1 --> 0

Node 121 :

All trees:

Char. 72: 0 --> 1
Char. 107: 1 --> 0
Char. 157: 0 --> 1
Char. 174: 2 --> 1
Char. 235: 0 --> 1

Node 122 :

All trees:

Char. 169: 0 --> 1
Char. 171: 1 --> 2
Char. 173: 1 --> 0
Char. 185: 1 --> 0
Char. 219: 2 --> 01
Char. 224: 2 --> 1

Node 123 :

All trees:

Char. 170: 1 --> 0
Char. 224: 1 --> 0
Char. 225: 1 --> 0

Node 124 :

All trees:

Char. 59: 0 --> 1
Char. 224: 1 --> 0

Node 125 :

All trees:

Char. 9: 1 --> 0
Char. 18: 2 --> 3
Char. 48: 2 --> 0
Char. 64: 0 --> 1
Char. 81: 1 --> 2
Char. 134: 0 --> 1
Char. 190: 1 --> 0

Node 126 :

All trees:

Char. 18: 1 --> 2
Char. 96: 0 --> 1
Char. 109: 0 --> 1
Char. 129: 0 --> 1
Char. 164: 1 --> 0
Char. 196: 1 --> 0
Char. 258: 1 --> 0

Node 127 :

All trees:

Char. 0: 0 --> 1
Char. 2: 0 --> 1
Char. 5: 0 --> 1
Char. 17: 1 --> 2
Char. 18: 0 --> 1
Char. 46: 0 --> 1
Char. 88: 0 --> 1
Char. 98: 1 --> 2
Char. 132: 0 --> 1
Char. 148: 1 --> 2
Char. 197: 0 --> 1
Char. 210: 1 --> 0
Char. 247: 0 --> 1
Char. 255: 0 --> 1

Node 128 :

All trees:

Char. 0: 1 --> 2
Char. 9: 1 --> 2
Char. 54: 1 --> 0
Char. 128: 1 --> 0
Char. 149: 0 --> 1
Char. 169: 0 --> 1
Char. 171: 1 --> 2

Char. 177: 0 --> 2
Char. 182: 1 --> 0
Char. 200: 1 --> 2
Char. 203: 0 --> 1
Char. 214: 1 --> 0
Char. 222: 1 --> 0
Char. 225: 1 --> 0
Char. 230: 1 --> 2

Node 129 :

All trees:

Char. 139: 0 --> 1
Char. 162: 0 --> 1
Char. 219: 2 --> 1
Char. 235: 0 --> 1

Node 130 :

All trees:

Char. 59: 0 --> 1
Char. 108: 0 --> 1
Char. 113: 0 --> 1
Char. 118: 0 --> 1
Char. 121: 0 --> 1
Char. 128: 1 --> 2

Node 131 :

All trees:

Char. 61: 0 --> 1
Char. 267: 0 --> 1

Node 132 :

All trees:

Char. 91: 0 --> 1
Char. 98: 2 --> 1

Node 133 :

All trees:

Char. 94: 1 --> 2
Char. 113: 0 --> 1
Char. 114: 0 --> 1
Char. 118: 0 --> 1
Char. 121: 0 --> 1
Char. 129: 1 --> 2

Node 134 :

All trees:

Char. 18: 2 --> 3

Char. 24: 0 --> 1
Char. 227: 0 --> 1
Char. 234: 1 --> 0

Node 135 :

All trees:

Char. 54: 1 --> 0
Char. 55: 0 --> 1
Char. 69: 0 --> 1
Char. 88: 1 --> 0
Char. 89: 0 --> 1
Char. 113: 1 --> 2
Char. 125: 0 --> 1
Char. 135: 0 --> 1
Char. 141: 0 --> 2

Node 136 :

All trees:

Char. 0: 1 --> 0
Char. 49: 0 --> 1
Char. 56: 0 --> 1
Char. 74: 0 --> 1
Char. 93: 0 --> 1
Char. 118: 1 --> 2
Char. 122: 0 --> 1
Char. 162: 0 --> 1
Char. 246: 0 --> 1
Char. 248: 0 --> 1
Char. 260: 2 --> 0

Node 137 :

All trees:

Char. 74: 1 --> 0

Node 138 :

All trees:

Char. 30: 0 --> 1
Char. 111: 2 --> 1
Char. 122: 1 --> 0
Char. 123: 0 --> 1

Node 139 :

All trees:

Char. 13: 1 --> 0
Char. 80: 2 --> 0
Char. 119: 0 --> 1

Node 140 :

All trees:

Char. 87: 0 --> 1

Char. 100: 12 --> 0

Node 141 :

All trees:

Char. 84: 0 --> 1

Char. 109: 1 --> 0

Node 142 :

All trees:

Char. 44: 0 --> 1

Char. 82: 1 --> 0

Char. 111: 2 --> 1

Char. 227: 0 --> 1

Char. 231: 0 --> 1

Node 143 :

All trees:

Char. 4: 0 --> 1

Char. 12: 0 --> 1

Char. 143: 0 --> 1

Char. 215: 0 --> 1

Node 144 :

All trees:

Char. 86: 0 --> 1

Char. 115: 0 --> 1

Char. 120: 0 --> 1

Char. 133: 0 --> 1

Char. 145: 0 --> 1

Char. 216: 0 --> 1

Char. 249: 1 --> 0

Char. 251: 1 --> 0

Char. 259: 1 --> 0

Node 145 :

All trees:

Char. 1: 0 --> 1

Char. 6: 0 --> 1

Char. 42: 0 --> 1

Char. 51: 0 --> 1

Char. 98: 1 --> 2

Node 146 :

All trees:

Char. 93: 1 --> 0
Char. 100: 0 --> 1
Char. 101: 0 --> 1

Node 147 :

All trees:

Char. 9: 1 --> 2
Char. 33: 0 --> 1
Char. 60: 0 --> 1
Char. 74: 1 --> 2
Char. 169: 0 --> 1
Char. 256: 0 --> 1

Node 148 :

All trees:

Char. 50: 0 --> 1

Node 149 :

All trees:

Char. 51: 1 --> 2

Node 150 :

All trees:

Char. 52: 0 --> 1
Char. 56: 1 --> 2
Char. 92: 1 --> 0
Char. 126: 0 --> 1
Char. 129: 2 --> 1

Node 151 :

All trees:

Char. 44: 0 --> 1
Char. 114: 1 --> 2

Node 152 :

All trees:

Char. 33: 1 --> 0
Char. 60: 1 --> 0

Node 153 :

All trees:

Char. 131: 0 --> 1

Node 154 :

All trees:

Char. 98: 2 --> 1

Node 155 :

All trees:

Char. 41: 0 --> 1
Char. 97: 0 --> 1
Char. 127: 1 --> 0
Char. 257: 0 --> 2
Char. 261: 0 --> 1

Node 156 :

All trees:

Char. 15: 1 --> 0
Char. 35: 0 --> 1
Char. 36: 0 --> 1
Char. 77: 1 --> 0
Char. 83: 0 --> 1
Char. 93: 1 --> 0
Char. 129: 1 --> 2

Node 157 :

All trees:

Char. 98: 1 --> 2
Char. 100: 0 --> 1
Char. 101: 0 --> 1
Char. 106: 1 --> 0
Char. 256: 0 --> 1

Node 158 :

All trees:

Char. 38: 0 --> 1
Char. 42: 0 --> 1
Char. 46: 0 --> 1
Char. 66: 0 --> 1

Node 159 :

All trees:

Char. 51: 0 --> 1
Char. 55: 1 --> 0
Char. 56: 1 --> 0
Char. 73: 0 --> 1
Char. 74: 1 --> 0
Char. 77: 0 --> 1
Char. 92: 1 --> 0
Char. 129: 2 --> 1

Node 160 :

All trees:

Char. 7: 0 --> 1

Node 161 :

All trees:

Char. 21: 0 --> 1

Char. 51: 1 --> 0

Char. 52: 0 --> 1

Node 162 :

All trees:

Char. 85: 01 --> 3

Char. 87: 1 --> 2

Char. 127: 1 --> 2

Node 163 :

All trees:

Char. 85: 0 --> 1

Char. 109: 1 --> 0

Char. 155: 1 --> 0

Char. 257: 0 --> 2

Node 164 :

All trees:

Char. 81: 1 --> 2

Char. 116: 0 --> 1

Node 165 :

All trees:

Char. 17: 2 --> 1

Char. 94: 2 --> 3

Node 166 :

All trees:

Char. 238: 0 --> 1

Node 167 :

All trees:

Char. 227: 0 --> 1

Node 168 :

All trees:

Char. 13: 1 --> 2

Char. 44: 0 --> 1

Node 169 :

All trees:

Char. 16: 0 --> 1

Char. 18: 2 --> 1

Char. 105: 0 --> 1
Char. 115: 0 --> 1
Char. 156: 0 --> 1
Char. 165: 2 --> 1

Node 170 :

All trees:

Char. 80: 2 --> 1

Node 171 :

All trees:

Char. 8: 0 --> 1

Char. 137: 0 --> 1

Node 172 :

All trees:

Char. 22: 0 --> 1

Char. 39: 0 --> 1

Char. 207: 0 --> 1

Node 173 :

All trees:

Char. 59: 0 --> 1

Char. 88: 0 --> 1

Node 174 :

All trees:

Char. 55: 0 --> 1

Char. 56: 1 --> 0

Char. 57: 0 --> 1

Char. 113: 1 --> 0

Char. 135: 0 --> 1

Char. 141: 0 --> 1

Char. 144: 0 --> 1

Char. 191: 0 --> 1

Char. 206: 0 --> 1

Node 175 :

All trees:

Char. 25: 0 --> 2

Node 176 :

All trees:

Char. 54: 1 --> 0

Char. 64: 0 --> 1

Char. 157: 0 --> 1

Node 177 :

All trees:

Char. 192: 1 --> 0

Char. 219: 1 --> 2

Char. 220: 0 --> 1

Node 178 :

All trees:

Char. 48: 2 --> 1

Char. 80: 2 --> 1

Char. 95: 0 --> 1

Char. 236: 0 --> 1

Node 179 :

All trees:

Char. 46: 0 --> 1

Node 180 :

All trees:

Char. 26: 0 --> 2

Char. 28: 0 --> 1

Char. 45: 0 --> 1

Char. 80: 2 --> 1

Char. 200: 1 --> 0

Char. 216: 0 --> 1

Node 181 :

All trees:

Char. 116: 1 --> 0

Node 182 :

All trees:

Char. 9: 1 --> 0

Char. 18: 1 --> 0

Char. 64: 0 --> 1

Node 183 :

All trees:

Char. 59: 0 --> 1

Char. 192: 1 --> 0

Char. 245: 1 --> 0

Node 184 :

All trees:

Char. 232: 0 --> 1

Node 185 :

All trees:

Char. 156: 1 --> 2

Char. 207: 0 --> 1

Char. 233: 1 --> 0

Node 186 :

All trees:

Char. 17: 1 --> 0

Char. 23: 1 --> 0

Char. 59: 0 --> 1

Char. 102: 01 --> 2

Node 187 :

All trees:

Char. 43: 1 --> 0

Char. 48: 2 --> 0

Node 188 :

All trees:

Char. 184: 0 --> 1

Node 189 :

All trees:

Char. 70: 0 --> 1

Node 190 :

All trees:

Char. 13: 1 --> 0

Char. 26: 0 --> 3

Node 191 :

All trees:

Char. 25: 0 --> 1

Char. 73: 0 --> 1

Char. 78: 0 --> 1

Char. 80: 1 --> 0

Char. 110: 0 --> 1

Some trees:

Char. 53: 0 --> 1

Node 192 :

All trees:

Char. 54: 1 --> 0

Char. 55: 1 --> 2

Char. 69: 0 --> 1

Char. 74: 1 --> 2

Char. 75: 0 --> 1

Char. 89: 0 --> 1
Char. 127: 0 --> 1

Node 193 :
All trees:
Char. 76: 0 --> 1
Some trees:
Char. 42: 0 --> 1

Node 194 :
All trees:
Char. 79: 0 --> 1
Char. 114: 1 --> 2

Node 195 :
All trees:
Char. 32: 1 --> 0

Node 196 :
All trees:
Char. 8: 0 --> 1