

Supplementary information about ticks Barros-Battesti et al.

**IXODIDA LEACH, 1815 (ACARI: ARGASIDAE, IXODIDAE,
NUTTALLIELLIDAE)**

List of 943 extant tick species from Linnaeus 1758 to present days, organized chronologically (updated from Dantas-Torres, 2018, Du et al., 2018, Kwat et al., 2018).

ARGASIDAE Koch, 1844 (214 species)

Genus *Antricola* Cooley & Kohls, 1942 (17 species)

1. *Antricola marginatus* (Banks, 1910)
2. *Antricola coprophilus* (McIntosh, 1935)
3. *Antricola mexicanus* Hoffmann, 1958
4. *Antricola silvai* Černý, 1967
5. *Antricola granasi* De la Cruz, 1973
6. *Antricola habanensis* De la Cruz, 1976
7. *Antricola cernyi* De la Cruz, 1978
8. *Antricola martelorum* De la Cruz, 1978
9. *Antricola naomiae* De la Cruz, 1978
10. *Antricola occidentalis* De la Cruz, 1978
11. *Antricola armasi* De la Cruz & Estrada-Peña, 1995
12. *Antricola centralis* De la Cruz & Estrada-Peña, 1995
13. *Antricola hummelincki* De la Cruz & Estrada-Peña, 1995
14. *Antricola siboneyi* De la Cruz & Estrada-Peña, 1995
15. *Antricola delacruz* Estrada-Peña, Barros-Battesti & Venzal, 2004
16. *Antricola guglielmonei* Estrada-Peña, Barros-Battesti & Venzal, 2004
17. *Antricola inexpectata* Estrada-Peña, Barros-Battesti & Venzal, 2004

Genus *Argas* Latreille, 1795 (62 species)

1. *Argas reflexus* (Fabricius, 1794)
2. *Argas vespertilionis* (Latreille, 1796)
3. *Argas persicus* (Oken, 1818)
4. *Argas hermanni* Audouin, 1826
5. *Argas miniatus* Koch, 1844
6. *Argas transgariepinus* White, 1846
7. *Argas sanchezi* Dugès, 1887
8. *Argas radiatus* Railliet, 1893
9. *Argas magnus* Neumann, 1896
10. *Argas cucumerinus* Neumann, 1901
11. *Argas transversus* Banks, 1902
12. *Argas lagenoplastis* Froggatt, 1906
13. *Argas brumpti* Neumann, 1907
14. *Argas brevipes* Banks, 1908
15. *Argas delicatus* Neumann, 1910
16. *Argas striatus* Bedford, 1932
17. *Argas boueti* Roubaud & Colas-Belcour, 1933
18. *Argas pusillus* Kohls, 1950
19. *Argas confusus* Hoogstraal, 1955
20. *Argas bureschi* Dryenski, 1957
21. *Argas cooleyi* Kohls & Hoogstraal, 1960
22. *Argas latus* Filippova, 1961
23. *Argas macrostigmatus* Filippova, 1961

24. *Argas neghmei* Kohls & Hoogstraal, 1961
25. *Argas tridentatus* Filippova, 1961
26. *Argas vulgaris* Filippova, 1961
27. *Argas australiensis* Kohls & Hoogstraal, 1962
28. *Argas beklemischevi* Pospelova-Shtrom, Vasil'yeva & Semashko, 1963
29. *Argas arboreus* Kaiser, Hoogstraal & Kohls, 1964
30. *Argas abdussalami* Hoogstraal & McCarthy, 1965
31. *Argas hoogstraali* Morel & Vassiliades, 1965
32. *Argas cordiformis* Hoogstraal & Kohls, 1967
33. *Argas echinops* Hoogstraal, Uilenberg & Blanc, 1967
34. *Argas ceylonensis* Hoogstraal & Kaiser, 1968
35. *Argas giganteus* Kohls & Clifford, 1968
36. *Argas japonicus* Yamaguti, Clifford & Tipton, 1968
37. *Argas robertsi* Hoogstraal, Kaiser & Kohls, 1968
38. *Argas zumpti* Hoogstraal, Kaiser & Kohls, 1968
39. *Argas walkerae* Kaiser & Hoogstraal, 1969
40. *Argas streptopelia* Kaiser, Hoogstraal & Horner, 1970
41. *Argas theilerae* Hoogstraal & Kaiser, 1970
42. *Argas dulus* Keirans, Clifford & Capriles, 1971
43. *Argas daviesi* Kaiser & Hoogstraal, 1973
44. *Argas himalayensis* Hoogstraal & Kaiser, 1973
45. *Argas monachus* Keirans, Radovsky & Clifford, 1973
46. *Argas nullarborensis* Hoogstraal & Kaiser, 1973
47. *Argas dewae* Kaiser & Hoogstraal, 1974
48. *Argas falco* Kaiser & Hoogstraal, 1974

49. *Argas africanus* Hoogstraal, Kaiser, Walker, Ledger, Converse & Rice, 1975
50. *Argas lowryae* Kaiser & Hoogstraal, 1975
51. *Argas ricei* Hoogstraal, Kaiser, Clifford & Keirans, 1975
52. *Argas dalei* Clifford, Keirans, Hoogstraal & Corwin, 1976
53. *Argas macrodermae* Hoogstraal, Moorhouse, Wolf & Wassef, 1977
54. *Argas moreli* Keirans, Hoogstraal & Clifford, 1979
55. *Argas polonicus* Siuda, Hoogstraal, Clifford & Wassef, 1979
56. *Argas sinensis* Jeu & Zhu, 1982
57. *Argas assimilis* Teng & Song, 1983
58. *Argas beijingensis* Teng, 1983
59. *Argas gilcolladoi* Estrada-Peña, Lucientes & Sánchez, 1987
60. *Argas monolakensis* Schwan, Corwin & Brown, 1992
61. *Argas keiransi* Estrada-Peña, Venzal & González-Acuña, 2003
62. *Argas quadridentatus* (Heath, 2012)

Genus *Nothoaspis* Keirans & Clifford, 1975 (2 species)

1. *Nothoaspis reddelli* Keirans and Clifford, 1975
2. *Nothoaspis amazoniensis* Nava, Venzal & Labruna, 2010

Genus *Ornithodoros* Koch, 1844 (131 species)

1. *Ornithodoros savignyi* (Audouin, 1827)
2. *Ornithodoros coriaceus* Koch, 1844
3. *Ornithodoros erraticus* (Lucas, 1849)
4. *Ornithodoros talaje* (Guérin-Méneville, 1849)
5. *Ornithodoros turicata* (Dugès, 1876)

6. *Ornithodoros moubata* (Murray, 1877)
7. *Ornithodoros rudis* Karsch, 1880
8. *Ornithodoros tholozani* (Laboulbène and Mégnin, 1882)
9. *Ornithodoros coniceps* (Canestrini, 1890)
10. *Ornithodoros canestrinii* (Birula, 1895)
11. *Ornithodoros papillipes* (Birula, 1895)
12. *Ornithodoros capensis* Neumann, 1901
13. *Ornithodoros pavimentozus* Neumann, 1901
14. *Ornithodoros furcosus* Neumann, 1908
15. *Ornithodoros lahorensis* Neumann, 1908
16. *Ornithodoros rostratus* Aragão, 1911
17. *Ornithodoros asperus* Warburton, 1918
18. *Ornithodoros piriformis* Warburton, 1918
19. *Ornithodoros maroccanus* Velu, 1919
20. *Ornithodoros amblus* Chamberlin, 1920
21. *Ornithodoros brasiliensis* Aragão, 1923
22. *Ornithodoros normandi* Larrousse, 1923
23. *Ornithodoros peringueyi* Bedford and Hewitt, 1925
24. *Ornithodoros gurneyi* Warburton, 1926
25. *Ornithodoros nattereri* Warburton, 1927
26. *Ornithodoros foleyi* Parrot, 1928
27. *Ornithodoros batuensis* Hirst, 1929
28. *Ornithodoros cholodkovskyi* Pavlovsky, 1930
29. *Ornithodoros delanoei* Roubaud and Colas-Belcour, 1931
30. *Ornithodoros tartakovskyi* Olenov, 1931

31. *Ornithodoros nicollei* Mooser, 1932
32. *Ornithodoros verrucosus* Olenov, Zasukhin & Fenyuk, 1934
33. *Ornithodoros azteci* Matheson, 1935
34. *Ornithodoros brodyi* Matheson, 1935
35. *Ornithodoros hasei* (Schulze, 1935)
36. *Ornithodoros hermsi* Wheeler, Herms & Meyer, 1935
37. *Ornithodoros parkeri* Cooley, 1936
38. *Ornithodoros alactagalis* Issaakjan, 1936
39. *Ornithodoros acinus* Whittick, 1938
40. *Ornithodoros dyeri* Cooley & Kohls, 1940
41. *Ornithodoros jul* Schulze, 1940
42. *Ornithodoros concanensis* Cooley & Kohls, 1941
43. *Ornithodoros cooleyi* McIvor, 1941
44. *Ornithodoros eremicus* Cooley & Kohls, 1941
45. *Ornithodoros kelleyi* Cooley & Kohls, 1941
46. *Ornithodoros stageri* Cooley & Kohls, 1941
47. *Ornithodoros viguerasi* Cooley & Kohls, 1941
48. *Ornithodoros yumatensis* Cooley & Kohls, 1941
49. *Ornithodoros dugesi* Mazzotti, 1943
50. *Ornithodoros peusi* (Schulze, 1943)
51. *Ornithodoros sonrai* Sautet & Witkowski, 1943
52. *Ornithodoros puertoricensis* Fox, 1947
53. *Ornithodoros arenicolous* Hoogstraal, 1953
54. *Ornithodoros graingeri* Heisch & Guggisberg, 1953
55. *Ornithodoros salahi* Hoogstraal, 1953

56. *Ornithodoros zumpti* Heisch & Guggisberg, 1953
57. *Ornithodoros eboris* Theiler, 1959
58. *Ornithodoros solomonis* Dumbleton, 1959
59. *Ornithodoros aragaoi* Fonseca, 1960
60. *Ornithodoros faini* Hoogstraal, 1960
61. *Ornithodoros procaviae* Theodor & Costa, 1960
62. *Ornithodoros apertus* Walton, 1962
63. *Ornithodoros compactus* Walton, 1962
64. *Ornithodoros madagascariensis* Hoogstraal, 1962
65. *Ornithodoros porcinus* Walton, 1962
66. *Ornithodoros rennellensis* Clifford & Sonenshine, 1962
67. *Ornithodoros sparnus* Kohls & Clifford, 1963
68. *Ornithodoros denmarki* Kohls, Sonenshine & Clifford, 1965
69. *Ornithodoros elongatus* Kohls, Sonenshine & Clifford, 1965
70. *Ornithodoros grenieri* Klein, 1965
71. *Ornithodoros rossi* Kohls, Sonenshine & Clifford, 1965
72. *Ornithodoros macmillani* Hoogstraal & Kohls, 1966
73. *Ornithodoros dusbabeki* Černý, 1967
74. *Ornithodoros maritimus* Vermeil & Marguet, 1967
75. *Ornithodoros natalinus* Černý & Dusbábek, 1967
76. *Ornithodoros tadaridae* Černý & Dusbábek, 1967
77. *Ornithodoros darwini* Kohls, Clifford & Hoogstraal, 1969
78. *Ornithodoros echimys* Kohls, Clifford & Jones, 1969
79. *Ornithodoros eptesicus* Kohls, Clifford & Jones, 1969
80. *Ornithodoros galapagensis* Kohls, Clifford & Hoogstraal, 1969

81. *Ornithodoros marinkellei* Kohls, Clifford & Jones, 1969
82. *Ornithodoros mimon* Kohls, Clifford & Jones, 1969
83. *Ornithodoros mormoops* Kohls, Clifford & Jones, 1969
84. *Ornithodoros muesebecki* Hoogstraal, 1969
85. *Ornithodoros peropteryx* Kohls, Clifford & Jones, 1969
86. *Ornithodoros peruvianus* Kohls, Clifford & Jones, 1969
87. *Ornithodoros setosus* Kohls, Clifford & Jones, 1969
88. *Ornithodoros chiropterphila* Dhanda & Rajagopalan, 1971
89. *Ornithodoros indica* Rau & Rao, 1971
90. *Ornithodoros casebeerii* Jones & Clifford, 1972
91. *Ornithodoros chironectes* Jones & Clifford, 1972
92. *Ornithodoros clarki* Jones & Clifford, 1972
93. *Ornithodoros knoxjonesi* Jones & Clifford, 1972
94. *Ornithodoros marmosae* Jones & Clifford, 1972
95. *Ornithodoros tiptoni* Jones & Clifford, 1972
96. *Ornithodoros tuttlei* Jones & Clifford, 1972
97. *Ornithodoros sawaii* Kitaoka & Suzuki, 1973
98. *Ornithodoros collocaliae* Hoogstraal, Kadarsan, Kaiser & Van Peenen, 1974
99. *Ornithodoros vansomeri* Keirans, Hoogstraal & Clifford, 1977
100. *Ornithodoros cycluræ* de la Cruz, 1984
101. *Ornithodoros yunkerii* Keirans, Clifford & Hoogstraal, 1984
102. *Ornithodoros spheniscus* Hoogstraal, Wassef, Hays & Keirans, 1985
103. *Ornithodoros hadia* (Klompen, Keirans & Durden, 1995)
104. *Ornithodoros multisetosus* (Klompen, Keirans & Durden, 1995)
105. *Ornithodoros papuensis* (Klompen, Keirans & Durden, 1995)

106. *Ornithodoros camicasi* (Sylla, Cornet and Marchand, 1997)
107. *Ornithodoros cheikhi* Vermeil, Marjolet & Vermeil, 1997
108. *Ornithodoros kohlsi* Guglielmone & Keirans, 2002
109. *Ornithodoros rioplatensis* Venzal, Estrada-Peña & Mangold, 2008
110. *Ornithodoros rondoniensis* (Labruna, Terassini, Camargo, Brandão, Ribeiro & Estrada-Peña, 2008)
111. *Ornithodoros buettikeri* Vial & Camicas, 2009
112. *Ornithodoros fonsecai* (Labruna & Venzal, 2009)
113. *Ornithodoros cavernicolous* Dantas-Torres, Venzal & Labruna, 2012
114. *Ornithodoros quilinensis* Venzal, Nava & Mangold, 2012
115. *Ornithodoros costalis* Diatta, Bouattour, Durand, Renaud & Trape, 2013
116. *Ornithodoros guaporensis* Nava, Venzal & Labruna, 2013
117. *Ornithodoros kairouanensis* Trape, Diatta, Bouattour, Durand & Renaud, 2013
118. *Ornithodoros merionesi* Trape, Diatta, Belghyti, Sarih, Durand & Renaud, 2013
119. *Ornithodoros microlophi* Venzal, Nava & González-Acuña, 2013
120. *Ornithodoros occidentalis* Trape, Diatta, Durand & Renaud, 2013
121. *Ornithodoros rupestris* Trape, Bitam, Renaud & Durand, 2013
122. *Ornithodoros faccinii* Barros-Battesti, Landulfo & Luz 2015
123. *Ornithodoros lahillei* Venzal, González-Acuña & Nava, 2015
124. *Ornithodoros xerophylus* Venzal, Mangold & Nava, 2015
125. *Ornithodoros atacamensis* Muñoz-Leal, Venzal & González-Acuña, 2016
126. *Ornithodoros rietcorraei* Labruna, Nava & Venzal, 2016

127. *Ornithodoros saraivai* Muñoz-Leal & Labruna, 2017
128. *Ornithodoros kalahariensis* Bakkes, de Klerk & Mans, 2018
129. *Ornithodoros noorsveldensis* Bakkes, de Klerk & Mans, 2018
130. *Ornithodoros phacochoerus* Bakkes, de Klerk & Mans, 2018
131. *Ornithodoros waterbergensis* Bakkes, de Klerk & Mans, 2018

Genus *Otobius* Banks, 1912 (2 species)

1. *Otobius megnini* (Dugès, 1883)
2. *Otobius lagophilus* Cooley and Kohls, 1940

IXODIDAE Koch, 1844 (728 species)

Prostriata lineage

Genus *Ixodes* Latreille, 1795 (253 species)

01. *Ixodes ricinus* (Linnaeus, 1758)
02. *Ixodes frontalis* (Panzer, 1798)
03. *Ixodes hexagonus* Leach, 1815
04. *Ixodes scapularis* Say, 1821
05. *Ixodes brunneus* Koch, 1844
06. *Ixodes crenulatus* Koch, 1844
07. *Ixodes fuscipes* Koch, 1844
08. *Ixodes lividus* Koch, 1844
09. *Ixodes pilosus* Koch, 1844
10. *Ixodes vespertilionis* Koch, 1844
11. *Ixodes ornithorhynchi* Lucas, 1846
12. *Ixodes canisuga* Johnston, 1849

13. *Ixodes uriae* White, 1852
14. *Ixodes cookei* Packard, 1869
15. *Ixodes acutitarsus* (Karsch, 1880)
16. *Ixodes eudypididis* Maskell, 1885
17. *Ixodes berlesei* Birula, 1895
18. *Ixodes signatus* Birula, 1895
19. *Ixodes trianguliceps* Birula, 1895
20. *Ixodes granulatus* Supino, 1897
21. *Ixodes affinis* Neumann, 1899
22. *Ixodes angustus* Neumann, 1899
23. *Ixodes dentatus* Marx, 1899
24. *Ixodes diversifossus* Neumann, 1899
25. *Ixodes fossulatus* Neumann, 1899
26. *Ixodes holocyclus* Neumann, 1899
27. *Ixodes loricatus* Neumann, 1899
28. *Ixodes ovatus* Neumann, 1899
29. *Ixodes rarus* Neumann, 1899
30. *Ixodes spinicoxalis* Neumann, 1899
31. *Ixodes tasmani* Neumann, 1899
32. *Ixodes acuminatus* Neumann, 1901
33. *Ixodes rubidus* Neumann, 1901
34. *Ixodes schillingsi* Neumann, 1901
35. *Ixodes minor* Neumann, 1902
36. *Ixodes anatis* Chilton, 1904
37. *Ixodes auritulus* Neumann, 1904

38. *Ixodes australiensis* Neumann, 1904
39. *Ixodes boliviensis* Neumann, 1904
40. *Ixodes nitens* Neumann, 1904
41. *Ixodes rubicundus* Neumann, 1904
42. *Ixodes sculptus* Neumann, 1904
43. *Ixodes percavatus* Neumann, 1906
44. *Ixodes simplex* Neumann, 1906
45. *Ixodes ugandanus* Neumann, 1906
46. *Ixodes djaronensis* Neumann, 1907
47. *Ixodes lunatus* Neumann, 1907
48. *Ixodes cavipalpus* Nuttall and Warburton, 1908
49. *Ixodes cordifer* Neumann, 1908
50. *Ixodes marxi* Banks, 1908
51. *Ixodes unicavatus* Neumann, 1908
52. *Ixodes vestitus* Neumann, 1908
53. *Ixodes fecialis* Warburton and Nuttall, 1909
54. *Ixodes texanus* Banks, 1909
55. *Ixodes caledonicus* Nuttall, 1910
56. *Ixodes banksi* Bishopp, 1911
57. *Ixodes kingi* Bishopp, 1911
58. *Ixodes rothschildi* Nuttall and Warburton, 1911
59. *Ixodes rugosus* Bishopp, 1911
60. *Ixodes stilesi* Neumann, 1911
61. *Ixodes woodi* Bishopp, 1911
62. *Ixodes alluaudi* Neumann, 1913

63. *Ixodes daveyi* Nuttall, 1913
64. *Ixodes nuttalli* Lahille, 1913
65. *Ixodes oldi* Nuttall, 1913
66. *Ixodes abrocomae* Lahille, 1916
67. *Ixodes eichhorni* Nuttall, 1916
68. *Ixodes gibbosus* Nuttall, 1916
69. *Ixodes nairobiensis* Nuttall, 1916
70. *Ixodes spinipalpis* Hadwen and Nuttall, 1916
71. *Ixodes victoriensis* Nuttall, 1916
72. *Ixodes apronophorus* Schulze, 1924
73. *Ixodes festai* Tonelli-Rondelli, 1926
74. *Ixodes kopsteini* (Oudemans, 1926)
75. *Ixodes redikorzevi* Olenev, 1927
76. *Ixodes arboricola* Schulze & Schlottke, 1929
77. *Ixodes elongatus* Bedford, 1929
78. *Ixodes laguri* Olenev, 1929
79. *Ixodes semenovi* Olenev, 1929
80. *Ixodes nuttallianus* Schulze, 1930
81. *Ixodes persulcatus* Schulze, 1930
82. *Ixodes rugicollis* Schulze and Schlottke, 1930
83. *Ixodes arboricola* Schulze and Schlottke, 1930
84. *Ixodes hirsti* Hassall, 1931
85. *Ixodes hydromyidis* Swan, 1931
86. *Ixodes priscicollaris* Schulze, 1932
87. *Ixodes petauristae* Warburton, 1933

88. *Ixodes kazakstani* Olenov & Sorokoumov, 1934
89. *Ixodes amarali* Fonseca, 1935
90. *Ixodes aragaoi* Fonseca, 1935
91. *Ixodes luxuriosus* Schulze, 1935
92. *Ixodes steini* Schulze, 1935
93. *Ixodes ventalloi* Gil Collado, 1936
94. *Ixodes collocaliae* Schulze, 1937
95. *Ixodes muris* Bishopp & Smith, 1937
96. *Ixodes howelli* Cooley & Kohls, 1938
97. *Ixodes jellisoni* Cooley & Kohls, 1938
98. *Ixodes marmotae* Cooley & Kohls, 1938
99. *Ixodes luciae* Sénevet, 1940
100. *Ixodes peromysci* Augustson, 1940
101. *Ixodes hearlei* Gregson, 1941
102. *Ixodes ochotonae* Gregson, 1941
103. *Ixodes pomerantzevi* Serdjukova, 1941
104. *Ixodes baergi* Cooley & Kohls, 1942
105. *Ixodes kerguelenensis* André & Colas-Belcour, 1942
106. *Ixodes mexicanus* Cooley & Kohls, 1942
107. *Ixodes soricis* Gregson, 1942
108. *Ixodes tancitarius* Cooley & Kohls, 1942
109. *Ixodes turdus* Nakatsuji, 1942
110. *Ixodes conepati* Cooley & Kohls, 1943
111. *Ixodes cumulatimpunctatus* Schulze, 1943
112. *Ixodes dampfi* Cooley, 1943

113. *Ixodes pacificus* Cooley & Kohls, 1943
114. *Ixodes vanidicus* Schulze, 1943
115. *Ixodes longiscutatus* Boero, 1944
116. *Ixodes montoyanus* Cooley, 1944
117. *Ixodes bequaerti* Cooley & Kohls, 1945
118. *Ixodes murreleti* Cooley & Kohls, 1945
119. *Ixodes tovari* Cooley, 1945
120. *Ixodes occultus* Pomerantzev, 1946
121. *Ixodes pavlovskyi* Pomerantzev, 1946
122. *Ixodes neuquenensis* Ringuelet, 1947
123. *Ixodes kashmiricus* Pomerantzev, 1948
124. *Ixodes radfordi* Kohls, 1948
125. *Ixodes ceylonensis* Kohls, 1950
126. *Ixodes eldaricus* Dzhaparidze, 1950
127. *Ixodes weneri* Kohls, 1950
128. *Ixodes cooleyi* Aragão & Fonseca, 1951
129. *Ixodes schulzei* Aragão & Fonseca, 1951
130. *Ixodes theilerae* Arthur, 1953
131. *Ixodes venezuelensis* Kohls, 1953
132. *Ixodes hoogstraali* Arthur, 1955
133. *Ixodes kohlsi* Arthur, 1955
134. *Ixodes andinus* Kohls, 1956
135. *Ixodes arebiensis* Arthur, 1956
136. *Ixodes aulacodi* Arthur, 1956
137. *Ixodes browningi* Arthur, 1956

138. *Ixodes chilensis* Kohls, 1956
139. *Ixodes cornutus* Lotozky, 1956
140. *Ixodes dawesi* Arthur, 1956
141. *Ixodes evansi* Arthur, 1956
142. *Ixodes guatemalensis* Kohls, 1956
143. *Ixodes nectomys* Kohls, 1956
144. *Ixodes okapiae* Arthur, 1956
145. *Ixodes pomerantzi* Kohls, 1956
146. *Ixodes tapirus* Kohls, 1956
147. *Ixodes tecpanensis* Kohls, 1956
148. *Ixodes tropicalis* Kohls, 1956
149. *Ixodes colasbelcouri* Arthur, 1957
150. *Ixodes downsi* Kohls, 1957
151. *Ixodes kaiseri* Arthur, 1957
152. *Ixodes moreli* Arthur, 1957
153. *Ixodes muniensis* Arthur & Burrow, 1957
154. *Ixodes procaviae* Arthur & Burrow, 1957
155. *Ixodes stromi* Filippova, 1957
156. *Ixodes thomasae* Arthur & Burrow, 1957
157. *Ixodes auriculaelongae* Arthur, 1958
158. *Ixodes diomedeeae* Arthur, 1958
159. *Ixodes euplecti* Arthur, 1958
160. *Ixodes lasallei* Méndez Arocha & Ortiz, 1958
161. *Ixodes latus* Arthur, 1958
162. *Ixodes lemuris* Arthur, 1958

163. *Ixodes loveridgei* Arthur, 1958
164. *Ixodes nchisiensis* Arthur, 1958
165. *Ixodes rageaui* Arthur, 1958
166. *Ixodes rotundatus* Arthur, 1958
167. *Ixodes spinae* Arthur, 1958
168. *Ixodes arabukiensis* Arthur, 1959
169. *Ixodes bedfordi* Arthur, 1959
170. *Ixodes minutae* Arthur, 1959
171. *Ixodes rhabdomysae* Arthur, 1959
172. *Ixodes antechini* Roberts, 1960
173. *Ixodes confusus* Roberts, 1960
174. *Ixodes cornuae* Arthur, 1960
175. *Ixodes cornuatus* Roberts, 1960
176. *Ixodes trichosuri* Roberts, 1960
177. *Ixodes zaglossi* Kohls, 1960
178. *Ixodes bakeri* Arthur & Clifford, 1961
179. *Ixodes filippovae* Černý, 1961
180. *Ixodes subterraneus* Filippova, 1961
181. *Ixodes heinrichi* Arthur, 1962
182. *Ixodes malayensis* Kohls, 1962
183. *Ixodes myrmecobii* Roberts, 1962
184. *Ixodes tiptoni* Kohls & Clifford, 1962
185. *Ixodes eadsi* Kohls & Clifford, 1964
186. *Ixodes laysanensis* Wilson, 1964
187. *Ixodes tanuki* Saito, 1964

188. *Ixodes brumpti* Morel, 1965
189. *Ixodes domerguei* Uilenberg & Hoogstraal, 1965
190. *Ixodes kuntzi* Hoogstraal & Kohls, 1965
191. *Ixodes lewisi* Arthur, 1965
192. *Ixodes amersoni* Kohls, 1966
193. *Ixodes capromydis* Cerný, 1966
194. *Ixodes cuernavacensis* Kohls & Clifford, 1966
195. *Ixodes sinaloa* Kohls & Clifford, 1966
196. *Ixodes tamaulipas* Kohls & Clifford, 1966
197. *Ixodes transvaalensis* Clifford & Hoogstraal, 1966
198. *Ixodes dendrolagi* Wilson, 1967
199. *Ixodes jacksoni* Hoogstraal, 1967
200. *Ixodes maslovi* Emel'yanova & Kozlovskaya, 1967
201. *Ixodes nipponensis* Kitaoka & Saito, 1967
202. *Ixodes monospinosus* Saito, 1968
203. *Ixodes moschiferi* Nemenz, 1968
204. *Ixodes walkerae* Clifford, Kohls & Hoogstraal, 1968
205. *Ixodes albignaci* Uilenberg & Hoogstraal, 1969
206. *Ixodes himalayensis* Dhanda & Kulkarni, 1969
207. *Ixodes jonesae* Kohls, Sonenshine & Clifford, 1969
208. *Ixodes nesomys* Uilenberg & Hoogstraal, 1969
209. *Ixodes randrianasoloi* Uilenberg & Hoogstraal, 1969
210. *Ixodes taglei* Kohls, 1969
211. *Ixodes mitchelli* Kohls, Clifford & Hoogstraal, 1970
212. *Ixodes myotomys* Clifford & Hoogstraal, 1970

213. *Ixodes philipi* Keirans & Kohls, 1970
214. *Ixodes hyatti* Clifford, Hoogstraal & Kohls, 1971
215. *Ixodes sachalinensis* Filippova, 1971
216. *Ixodes shahi* Clifford, Hoogstraal & Kohls, 1971
217. *Ixodes asanumai* Kitaoka, 1973
218. *Ixodes drakensbergensis* Clifford, Theiler & Baker, 1975
219. *Ixodes sigelos* Keirans, Clifford & Corwin, 1976
220. *Ixodes neitzi* Clifford, Walker & Keirans, 1977
221. *Ixodes sinensis* Teng, 1977
222. *Ixodes prokopjevi* (Emel'yanova, 1979)
223. *Ixodes calcarhebes* Arthur & Zulu, 1980
224. *Ixodes copei* Wilson, 1980
225. *Ixodes galapagoensis* Clifford & Hoogstraal, 1980
226. *Ixodes matopi* Spickett, Keirans, Norval & Clifford, 1981
227. *Ixodes brewsterae* Keirans, Clifford & Walker, 1982
228. *Ixodes catherinei* Keirans, Clifford & Walker, 1982
229. *Ixodes corwini* Keirans, Clifford & Walker, 1982
230. *Ixodes macfarlanei* Keirans, Clifford & Walker, 1982
231. *Ixodes moscharius* Teng, 1982
232. *Ixodes nicolasi* Santos Dias, 1982
233. *Ixodes zairensis* Keirans, Clifford & Walker, 1982
234. *Ixodes eastoni* Keirans & Clifford, 1983
235. *Ixodes siamensis* Kitaoka & Suzuki, 1983
236. *Ixodes pararicinus* Keirans & Clifford, 1985
237. *Ixodes myospalacis* Teng, 1986

238. *Ixodes ghilarovi* Filippova & Panova, 1988
239. *Ixodes bivari* Santos Dias, 1990
240. *Ixodes columna* Takada & Fujita, 1992
241. *Ixodes gregsoni* Lindquist, Wu & Redner, 1999
242. *Ixodes dicei* Keirans & Ajohda, 2003
243. *Ixodes paranaensis* Barros-Battesti, Arzua, Pichorim & Keirans, 2003
244. *Ixodes fynbosensis* Apanaskevich, Horak, Mathee & Mathee, 2011
245. *Ixodes microgalei* Apanaskevich, Soarimalala & Goodman, 2013
246. *Ixodes ariadnae* Hornok, 2014
247. *Ixodes inopinatus* Estrada-Peña, Nava & Petney, 2014
248. *Ixodes collaris* Hornok, 2016
249. *Ixodes bocatorensis* Apanaskevich & Bermúdez, 2017
250. *Ixodes kangdingensis* Gou, Sun, Xu & Durden, 2017
251. *Ixodes laridis* Heath & Palma, 2017
252. *Ixodes woyliei* Ash, Elliot, Godfrey, Burmej, Abdad, Northover, Wayne, Morris, Clode, Lymbery & Thompson, 2017
253. *Ixodes goliath* Apanaskevich & Lemon, 2018
254. *Ixodes heathi* Kwak, 2018

Metastriata lineage

Genus *Amblyomma* Koch, 1844 (138 species)

01. *Amblyomma americanum* (Linnaeus, 1758)
02. *Amblyomma aureolatum* (Pallas, 1772)
03. *Amblyomma rhinocerotis* (de Geer, 1778)
04. *Amblyomma sylvaticum* (de Geer, 1778)

05. *Amblyomma cajennense* (Fabricius, 1787)
06. *Amblyomma variegatum* (Fabricius, 1794)
07. *Amblyomma dissimile* Koch, 1844
08. *Amblyomma exornatum* Koch, 1844
09. *Amblyomma fimbriatum* Koch, 1844
10. *Amblyomma hebraeum* Koch, 1844
11. *Amblyomma helvolum* Koch, 1844
12. *Amblyomma humerale* Koch, 1844
13. *Amblyomma latum* Koch, 1844
14. *Amblyomma longirostre* (Koch, 1844)
15. *Amblyomma maculatum* Koch, 1844
16. *Amblyomma marmoreum* Koch, 1844
17. *Amblyomma mixtum* Koch, 1844
18. *Amblyomma oblongoguttatum* Koch, 1844
19. *Amblyomma ovale* Koch, 1844
20. *Amblyomma rotundatum* Koch, 1844
21. *Amblyomma testudinarium* Koch, 1844
22. *Amblyomma tenellum* Koch, 1844
23. *Amblyomma tigrinum* Koch, 1844
24. *Amblyomma triguttatum* Koch, 1844
25. *Amblyomma triste* Koch, 1844
26. *Amblyomma varium* Koch, 1844
27. *Amblyomma transversale* (Lucas, 1845)
28. *Amblyomma flavomaculatum* (Lucas, 1846)
29. *Amblyomma fuscolineatum* (Lucas, 1847)

30. *Amblyomma geoemydae* (Cantor, 1847)
31. *Amblyomma gervaisi* (Lucas, 1847)
32. *Amblyomma moreliae* (Koch, 1867)
33. *Amblyomma naponense* (Packard, 1869)
34. *Amblyomma compressum* (Macalister, 1872)
35. *Amblyomma eburneum* Gerstäcker, 1873
36. *Amblyomma splendidum* Giebel, 1877
37. *Amblyomma auricularium* (Conil, 1878)
38. *Amblyomma trimaculatum* (Lucas, 1878)
39. *Amblyomma arcanum* Karsch, 1879
40. *Amblyomma integrum* Karsch, 1879
41. *Amblyomma sculptum* Berlese, 1888
42. *Amblyomma sabanerae* Stoll, 1894
43. *Amblyomma tuberculatum* Marx, 1894
44. *Amblyomma javanense* (Supino, 1897)
45. *Amblyomma varanense* (Supino, 1897)
46. *Amblyomma albopictum* Neumann, 1899
47. *Amblyomma breviscutatum* Neumann, 1899
48. *Amblyomma calcaratum* Neumann, 1899
49. *Amblyomma clypeolatum* Neumann, 1899
50. *Amblyomma coelebs* Neumann, 1899
51. *Amblyomma cordiferum* Neumann, 1899
52. *Amblyomma crenatum* Neumann, 1899
53. *Amblyomma dubitatum* Neumann, 1899
54. *Amblyomma extraoculatum* Neumann, 1899

55. *Amblyomma fulvum* Neumann, 1899
56. *Amblyomma geayi* Neumann, 1899
57. *Amblyomma goeldii* Neumann, 1899
58. *Amblyomma limbatum* Neumann, 1899
59. *Amblyomma multipunctum* Neumann, 1899
60. *Amblyomma nodosum* Neumann, 1899
61. *Amblyomma paulopunctatum* Neumann, 1899
62. *Amblyomma pilosum* Neumann, 1899
63. *Amblyomma postoculatum* Neumann, 1899
64. *Amblyomma scutatum* Neumann, 1899
65. *Amblyomma sparsum* Neumann, 1899
66. *Amblyomma tholloni* Neumann, 1899
67. *Amblyomma crassipes* (Neumann, 1901)
68. *Amblyomma cruciferum* Neumann, 1901
69. *Amblyomma parvitarsum* Neumann, 1901
70. *Amblyomma personatum* Neumann, 1901
71. *Amblyomma neumanni* Ribaga, 1902
72. *Amblyomma supinoi* Neumann, 1904
73. *Amblyomma argentinae* Neumann, 1905
74. *Amblyomma australiense* Neumann, 1905
75. *Amblyomma hirtum* Neumann, 1906
76. *Amblyomma incisum* Neumann, 1906
77. *Amblyomma pictum* Neumann, 1906
78. *Amblyomma scalpturatum* Neumann, 1906
79. *Amblyomma albolimbatum* Neumann, 1907

80. *Amblyomma fuscum* Neumann, 1907
81. *Amblyomma loculosum* Neumann, 1907
82. *Amblyomma brasiliense* Aragão, 1908
83. *Amblyomma parvum* Aragão, 1908
84. *Amblyomma pseudoconcolor* Aragão, 1908
85. *Amblyomma astrion* Dönitz, 1909
86. *Amblyomma cohaerens* Dönitz, 1909
87. *Amblyomma gemma* Dönitz, 1909
88. *Amblyomma inornatum* (Banks, 1909)
89. *Amblyomma lepidum* Dönitz, 1909
90. *Amblyomma nuttalli* Dönitz, 1909
91. *Amblyomma pomposum* Dönitz, 1909
92. *Amblyomma boulengeri* Hirst and Hirst, 1910
93. *Amblyomma darwini* Hirst and Hirst, 1910
94. *Amblyomma nitidum* Hirst and Hirst, 1910
95. *Amblyomma pattoni* (Neumann, 1910)
96. *Amblyomma pacae* Aragão, 1911
97. *Amblyomma papuanum* Hirst, 1914
98. *Amblyomma williamsi* Banks, 1924
99. *Amblyomma crassum* Robinson, 1926
100. *Amblyomma robinsoni* Warburton, 1927
101. *Amblyomma komodoense* (Oudemans, 1928)
102. *Amblyomma babirussae* Schulze, 1933
103. *Amblyomma pecarium* Dunn, 1933
104. *Amblyomma tapirellum* Dunn, 1933

105. *Amblyomma torrei* Pérez Viguera, 1934
106. *Amblyomma falsomarmoreum* Tonelli Rondelli, 1935
107. *Amblyomma latepunctatum* Tonelli Rondelli, 1939
108. *Amblyomma romitii* Tonelli Rondelli, 1939
109. *Amblyomma quadricavum* (Schulze, 1941)
110. *Amblyomma sphenodonti* (Dumbleton, 1943)
111. *Amblyomma parkeri* Fonseca & Aragão, 1952
112. *Amblyomma beaurepairoi* Vogelsang & Santos Dias, 1953
113. *Amblyomma echidnae* Roberts, 1953
114. *Amblyomma macropi* Roberts, 1953
115. *Amblyomma moyi* Roberts, 1953
116. *Amblyomma squamosum* Kohls, 1953
117. *Amblyomma kraneveldi* (Anastos, 1956)
118. *Amblyomma soembawense* (Anastos, 1956)
119. *Amblyomma elaphense* (Price, 1959)
120. *Amblyomma calabyi* Roberts, 1963
121. *Amblyomma chabaudi* Rageau, 1964
122. *Amblyomma antillorum* Kohls, 1969
123. *Amblyomma macfarlandi* Keirans, Hoogstraal & Clifford, 1973
124. *Amblyomma usingeri* Keirans, Hoogstraal & Clifford, 1973
125. *Amblyomma hainanense* Teng, 1981
126. *Amblyomma inopinatum* (Santos Dias, 1989)
127. *Amblyomma pseudoparvum* Guglielmone, Mangold & Keirans, 1990
128. *Amblyomma orlovi* (Kolonin, 1992)
129. *Amblyomma glauerti* Keirans, King & Sharrad, 1994

130. *Amblyomma vikirri* Keirans, Bull & Duffield, 1996
131. *Amblyomma geochelone* Durden, Keirans & Smith, 2002
132. *Amblyomma boeroi* Nava, Mangold, Mastropaolo, Venzal, Oscherov & Guglielmone, 2009
133. *Amblyomma hadanii* Nava, Mastropaolo, Mangold, Martins, Venzal & Guglielmone, 2014
134. *Amblyomma interandinum* Beati, Nava & Cáceres, 2014
135. *Amblyomma patinoi* Labruna, Nava & Beati, 2014
136. *Amblyomma tonelliae* Nava, Beati & Labruna, 2014
137. *Amblyomma yucumense* Krawczac, Martins & Labruna, 2015
138. *Amblyomma anicornuta* Apanaskevich & Apanaskevich, 2018

Genus *Anomalohimalaya* Hoogstraal, Kaiser & Mitchel, 1970 (3 species)

01. *Anomalohimalaya lamai* Hoogstraal, Kaiser and Mitchell, 1970
02. *Anomalohimalaya lotozkyi* Filippova and Panova, 1978
03. *Anomalohimalaya cricetuli* Teng and Huang, 1981

Genus *Bothriocroton* Keirans, King & Sharrad, 1994 (7 species)

01. *Bothriocroton undatum* (Fabricius, 1775)
02. *Bothriocroton hydrosauri* (Denny, 1843)
03. *Bothriocroton concolor* (Neumann, 1899)
04. *Bothriocroton oudemansi* (Neumann, 1910)
05. *Bothriocroton auruginans* (Schulze, 1936)
06. *Bothriocroton tachyglossi* (Roberts, 1953)
07. *Bothriocroton glebopalma* (Keirans, King & Sharrad, 1994)

Genus *Cosmiomma* Schulze, 1919 (1 species)

01. *Cosmiomma hippopotamensis* (Denny, 1843)

Genus *Dermacentor* Koch, 1844 (40 species)

01. *Dermacentor marginatus* (Sulzer, 1776)
02. *Dermacentor reticulatus* (Fabricius, 1794)
03. *Dermacentor variabilis* (Say, 1821)
04. *Dermacentor rhinocerinus* (Denny, 1843)
05. *Dermacentor albipictus* (Packard, 1869)
06. *Dermacentor occidentalis* Marx, 1892
07. *Dermacentor auratus* Supino, 1897 – Laos, Asia
08. *Dermacentor circumguttatus* Neumann, 1897
09. *Dermacentor nitens* Neumann, 1897
10. *Dermacentor niveus* Neumann, 1897
11. *Dermacentor compactus* Neumann, 1901
12. *Dermacentor parumapertus* Neumann, 1901
13. *Dermacentor atrosignatus* Neumann, 1906
14. *Dermacentor andersoni* Stiles, 1908
15. *Dermacentor kamshadalus* Neumann, 1908
16. *Dermacentor hunteri* Bishopp, 1912
17. *Dermacentor everestianus* Hirst, 1926
18. *Dermacentor pavlovskyi* Olenov, 1927
19. *Dermacentor nuttalli* Olenov, 1928
20. *Dermacentor halli* McIntosh, 1931

21. *Dermacentor silvarum* Olenev, 1931
22. *Dermacentor sinicus* Schulze, 1932
23. *Dermacentor confragus* (Schulze, 1933)
24. *Dermacentor imitans* Warburton, 1933
25. *Dermacentor steini* (Schulze, 1933)
26. *Dermacentor bellulus* (Schulze, 1935)
27. *Dermacentor taiwanensis* Sugimoto, 1935
28. *Dermacentor dispar* Cooley, 1937
29. *Dermacentor latus* Cooley, 1937
30. *Dermacentor raskemensis* Pomerantzev, 1946
31. *Dermacentor dissimilis* Cooley 1947
32. *Dermacentor pomerantzevi* Serdjukova, 1951
33. *Dermacentor asper* Arthur, 1960
34. *Dermacentor montanus* Filippova & Panova, 1974
35. *Dermacentor ushakovae* Filippova & Panova, 1987
36. *Dermacentor panamensis* Apanaskevich & Bermúdez, 2013
37. *Dermacentor filippovae* Apanaskevich & Apanaskevich, 2015
38. *Dermacentor limbooliati* Apanaskevich & Apanaskevich, 2015
39. *Dermacentor pseudocompactus* Apanaskevich & Apanaskevich, 2016
40. *Dermacentor tamokensis* Apanaskevich & Apanaskevich, 2016

Genus *Haemaphysalis* Koch, 1844 (167 species)

01. *Haemaphysalis leachi* (Audouin, 1826)
02. *Haemaphysalis cinnabarina* Koch, 1844
03. *Haemaphysalis concinna* Koch, 1844

04. *Haemaphysalis elliptica* (Koch, 1844)
05. *Haemaphysalis chordeilis* (Packard, 1869)
06. *Haemaphysalis leporispalustris* (Packard, 1869)
07. *Haemaphysalis punctata* Canestrini and Fanzago, 1878
08. *Haemaphysalis sulcata* Canestrini and Fanzago, 1878
09. *Haemaphysalis papuana* Thorell, 1883
10. *Haemaphysalis erinacei* Pavesi, 1884
11. *Haemaphysalis inermis* Birula, 1895
12. *Haemaphysalis asiatica* (Supino, 1897)
13. *Haemaphysalis birmaniae* Supino, 1897
14. *Haemaphysalis bispinosa* Neumann, 1897
15. *Haemaphysalis canestrinii* (Supino, 1897)
16. *Haemaphysalis cornigera* Neumann, 1897
17. *Haemaphysalis elongata* Neumann, 1897
18. *Haemaphysalis flava* Neumann, 1897
19. *Haemaphysalis hystricis* Supino, 1897
20. *Haemaphysalis parva* (Neumann, 1897)
21. *Haemaphysalis simplex* Neumann, 1897
22. *Haemaphysalis spinigera* Neumann, 1897
23. *Haemaphysalis longicornis* Neumann, 1901
24. *Haemaphysalis semermis* Neumann, 1901
25. *Haemaphysalis calcarata* Neumann, 1902
26. *Haemaphysalis aculeata* Lavarra, 1904
27. *Haemaphysalis parmata* Neumann, 1905
28. *Haemaphysalis spinulosa* Neumann, 1906

29. *Haemaphysalis campanulata* Warburton, 1908
30. *Haemaphysalis japonica* Warburton, 1908
31. *Haemaphysalis wellingtoni* Nuttall and Warburton, 1908
32. *Haemaphysalis doenitzi* Warburton and Nuttall, 1909.
33. *Haemaphysalis hoodi* Warburton and Nuttall, 1909
34. *Haemaphysalis humerosa* Warburton and Nuttall, 1909
35. *Haemaphysalis intermedia* Warburton and Nuttall, 1909
36. *Haemaphysalis koningsbergeri* Warburton and Nuttall, 1909
37. *Haemaphysalis vidua* Warburton and Nuttall, 1909
38. *Haemaphysalis cuspidata* Warburton, 1910
39. *Haemaphysalis indica* Warburton, 1910
40. *Haemaphysalis obtusa* Dönitz, 1910
41. *Haemaphysalis montgomeryi* Nuttall, 1912
42. *Haemaphysalis silacea* Robinson, 1912
43. *Haemaphysalis warburtoni* Nuttall, 1912
44. *Haemaphysalis aborensis* Warburton, 1913
45. *Haemaphysalis aciculifer* Warburton, 1913
46. *Haemaphysalis anomala* Warburton, 1913
47. *Haemaphysalis aponommoides* Warburton, 1913
48. *Haemaphysalis formosensis* Neumann, 1913
49. *Haemaphysalis howletti* Warburton, 1913
50. *Haemaphysalis kinneari* Warburton, 1913
51. *Haemaphysalis novaeguineae* Hirst, 1914
52. *Haemaphysalis bancrofti* Nuttall and Warburton, 1915
53. *Haemaphysalis calva* Nuttall and Warburton, 1915

54. *Haemaphysalis houyi* Nuttall and Warburton, 1915
55. *Haemaphysalis orientalis* Nuttall and Warburton, 1915
56. *Haemaphysalis turturis* Nuttall and Warburton, 1915
57. *Haemaphysalis lagrangei* Larrousse, 1925
58. *Haemaphysalis obesa* Larrousse, 1925
59. *Haemaphysalis mjoebergi* Warburton, 1926
60. *Haemaphysalis toxopei* Warburton, 1927
61. *Haemaphysalis caucasica* Olenev, 1928
62. *Haemaphysalis sundrai* Sharif, 1928
63. *Haemaphysalis traguli* Oudemans, 1928
64. *Haemaphysalis cooleyi* Bedford, 1929
65. *Haemaphysalis hylobatis* Schulze, 1933
66. *Haemaphysalis renschi* Schulze, 1933
67. *Haemaphysalis pavlovskiyi* Pospelova-Shtrom, 1935
68. *Haemaphysalis pentalagi* Pospelova-Shtrom, 1935
69. *Haemaphysalis taiwana* Sugimoto, 1936
70. *Haemaphysalis bartelsi* Schulze, 1938
71. *Haemaphysalis hispanica* Gil Collado, 1938
72. *Haemaphysalis heinrichi* Schulze, 1939
73. *Haemaphysalis roubaudi* Toumanoff, 1940
74. *Haemaphysalis verticalis* Itagaki, Noda & Yamaguchi, 1944
75. *Haemaphysalis yeni* Toumanoff, 1944
76. *Haemaphysalis juxtakochi* Cooley, 1946
77. *Haemaphysalis madagascariensis* Colas-Belcour & Millot, 1948
78. *Haemaphysalis ratti* Kohls, 1948

79. *Haemaphysalis hoogstraali* Kohls, 1950
80. *Haemaphysalis minuta* Kohls, 1950
81. *Haemaphysalis palawanensis* Kohls, 1950
82. *Haemaphysalis rusae* Kohls, 1950
83. *Haemaphysalis sciuri* Kohls, 1950
84. *Haemaphysalis adleri* Feldman-Muhsam, 1951
85. *Haemaphysalis fossae* Hoogstraal, 1953
86. *Haemaphysalis lemuris* Hoogstraal, 1953
87. *Haemaphysalis subelongata* Hoogstraal, 1953
88. *Haemaphysalis theilerae* Hoogstraal, 1953
89. *Haemaphysalis tiptoni* Hoogstraal, 1953
90. *Haemaphysalis muhsamae* Santos Dias, 1954
91. *Haemaphysalis traubi* Kohls, 1955
92. *Haemaphysalis bequaerti* Hoogstraal, 1956
93. *Haemaphysalis rugosa* Santos Dias, 1956
94. *Haemaphysalis colasbelcouri* (Santos Dias, 1958)
95. *Haemaphysalis ornithophila* Hoogstraal & Kohls, 1959
96. *Haemaphysalis cornupunctata* Hoogstraal & Varma, 1962
97. *Haemaphysalis kashmirensis* Hoogstraal & Varma, 1962
98. *Haemaphysalis kopetdaghica* Kerbabaev, 1962
99. *Haemaphysalis nepalensis* Hoogstraal, 1962
100. *Haemaphysalis bremneri* Roberts, 1963
101. *Haemaphysalis kutchensis* Hoogstraal & Trapido, 1963
102. *Haemaphysalis lagostrophii* Roberts, 1963
103. *Haemaphysalis megalaimae* Rajagopalan, 1963

104. *Haemaphysalis paraturturis* Hoogstraal, Trapido & Rebello, 1963
105. *Haemaphysalis silvafelis* Hoogstraal & Trapido, 1963
106. *Haemaphysalis kyasanurensis* Trapido, Hoogstraal & Rajagopalan, 1964
107. *Haemaphysalis shimoga* Trapido & Hoogstraal, 1964
108. *Haemaphysalis atheruri* Hoogstraal, Trapido & Kohls, 1965
109. *Haemaphysalis bandicota* Hoogstraal & Kohls, 1965
110. *Haemaphysalis celebensis* Hoogstraal, Trapido & Kohls, 1965
111. *Haemaphysalis nadchatrami* Hoogstraal, Trapido & Kohls, 1965
112. *Haemaphysalis tauffliebi* Morel, 1965
113. *Haemaphysalis tibetensis* Hoogstraal, 1965
114. *Haemaphysalis capricornis* Hoogstraal, 1966
115. *Haemaphysalis eupleres* Hoogstraal, Kohls & Trapido, 1966
116. *Haemaphysalis hirsuta* Hoogstraal, Trapido & Kohls, 1966
117. *Haemaphysalis nesomys* Hoogstraal, Uilenberg & Klein, 1966
118. *Haemaphysalis pospelovashtromae* Hoogstraal, 1966
119. *Haemaphysalis anoplos* Hoogstraal, Uilenberg & Klein, 1967
120. *Haemaphysalis psalistos* Hoogstraal, Kohls & Parrish, 1967
121. *Haemaphysalis garhwalensis* Dhanda & Bhat, 1968
122. *Haemaphysalis indoflava* Dhanda & Bhat, 1968
123. *Haemaphysalis luzonensis* Hoogstraal & Parrish, 1968
124. *Haemaphysalis susphilippensis* Hoogstraal, Kohls & Parrish, 1968
125. *Haemaphysalis kitaokai* Hoogstraal, 1969
126. *Haemaphysalis megaspinosa* Saito, 1969
127. *Haemaphysalis darjeeling* Hoogstraal & Dhanda, 1970
128. *Haemaphysalis davisii* Hoogstraal, Dhanda & Bhat, 1970

129. *Haemaphysalis fujisana* Kitaoka, 1970
130. *Haemaphysalis goral* Hoogstraal, 1970
131. *Haemaphysalis petrogalis* Roberts, 1970
132. *Haemaphysalis ramachandrai* Dhanda, Hoogstraal & Bhat, 1970
133. *Haemaphysalis borneata* Hoogstraal, 1971
134. *Haemaphysalis hyracophila* Hoogstraal, Walker & Neitz, 1971
135. *Haemaphysalis sambar* Hoogstraal, 1971
136. *Haemaphysalis sumatraensis* Hoogstraal, El Kammah, Kadarsan & Anastos, 1971
137. *Haemaphysalis moreli* Camicas, Hoogstraal & El Kammah, 1972
138. *Haemaphysalis pedetes* Hoogstraal, 1972
139. *Haemaphysalis mageshimaensis* Saito & Hoogstraal, 1973
140. *Haemaphysalis phasiana* Saito, Hoogstraal & Wassef, 1974
141. *Haemaphysalis zumpti* Hoogstraal & El Kammah, 1974
142. *Haemaphysalis dangi* Phan Trong, 1977
143. *Haemaphysalis danieli* Černý & Hoogstraal, 1977
144. *Haemaphysalis kadarsani* Hoogstraal & Wassef, 1977
145. *Haemaphysalis laocayensis* Phan Trong, 1977
146. *Haemaphysalis demidovae* Emel'yanova, 1978
147. *Haemaphysalis filippovae* Bolotin, 1979
148. *Haemaphysalis simplicima* Hoogstraal & Wassef, 1979
149. *Haemaphysalis moschisuga* Teng, 1980
150. *Haemaphysalis qinghaiensis* Teng, 1980
151. *Haemaphysalis sinensis* Zhang, 1981
152. *Haemaphysalis menglaensis* Pang, Chen & Xiang, 1982
153. *Haemaphysalis primitiva* Teng, 1982

154. *Haemaphysalis norvali* Hoogstraal & Wassef, 1983
155. *Haemaphysalis paraleachi* Camicas, Hoogstraal & El Kammah, 1983
156. *Haemaphysalis punctaleachi* Camicas, Hoogstraal & El Kammah, 1983
157. *Haemaphysalis anomaloceraea* Teng, 1984
158. *Haemaphysalis grochovskajae* Kolonin, 1992
159. *Haemaphysalis quadriaculeata* Kolonin, 1992
160. *Haemaphysalis subterra* Hoogstraal, El Kammah & Camicas, 1992
161. *Haemaphysalis suntzovi* Kolonin, 1993
162. *Haemaphysalis lobachovi* Kolonin, 1995
163. *Haemaphysalis knobigera* Prakasan & Ramani, 2007
164. *Haemaphysalis colesbergensis* Apanaskevich & Horak, 2008
165. *Haemaphysalis oliveri* Apanaskevich & Horak, 2008
166. *Haemaphysalis kumaonensis* Geevarghese & Mishra, 2011
167. *Haemaphysalis kolonini* Du, Sun, Xu, Chao, 2018

Genus *Hyalomma* Koch, 1844 (27 species)

01. *Hyalomma aegyptium* (Linnaeus, 1758)
02. *Hyalomma anatolicum* Koch, 1844
03. *Hyalomma dromedarii* Koch, 1844
04. *Hyalomma excavatum* Koch, 1844
05. *Hyalomma impressum* Koch, 1844
06. *Hyalomma lusitanicum* Koch, 1844
07. *Hyalomma marginatum* Koch, 1844
08. *Hyalomma rufipes* Koch, 1844
09. *Hyalomma truncatum* Koch, 1844

10. *Hyalomma rhipicephaloides* Neumann, 1901
11. *Hyalomma albiparmatum* Schulze, 1919
12. *Hyalomma nitidum* Schulze, 1919
13. *Hyalomma scupense* Schulze, 1919
14. *Hyalomma brevipunctata* Sharif, 1928
15. *Hyalomma hussaini* Sharif, 1928
16. *Hyalomma isaaci* Sharif, 1928
17. *Hyalomma kumari* Sharif, 1928
18. *Hyalomma asiaticum* Schulze and Schlottko, 1930
19. *Hyalomma impeltatum* Schulze and Schlottko, 1930
20. *Hyalomma schulzei* Olenov, 1931
21. *Hyalomma franchinii* Tonelli Rondelli, 1932
22. *Hyalomma somalicum* Tonelli Rondelli, 1935
23. *Hyalomma turanicum* Pomerantzev, 1946
24. *Hyalomma glabrum* Delpy, 1949
25. *Hyalomma punctatum* Hoogstraal, Kaiser & Pedersen, 1969
26. *Hyalomma hystricis* Dhanda & Raja, 1974
27. *Hyalomma arabica* Pegram, Hoogstraal & Wassef, 1982

Genus *Margaropus* Karsch, 1879 (3 species)

01. *Margaropus winthemi* Karsch, 1879
02. *Margaropus reidi* Hoogstraal, 1956
03. *Margaropus wileyi* Walker and Laurence, 1973

Genus *Nosomma* Schulze, 1919 (2 species)

01. *Nosomma monstrosum* (Nuttall and Warburton, 1908)
02. *Nosomma keralensis* Prakasan and Ramani, 2007

Genus *Rhipicentor* Nuttall & Warburton, 1908 (2 species)

01. *Rhipicentor bicornis* Nuttall and Warburton, 1908
02. *Rhipicentor nuttalli* Cooper and Robinson, 1908

Genus *Rhipicephalus* Koch, 1844 (85 species)

01. *Rhipicephalus sanguineus* (Latreille, 1806)
02. *Rhipicephalus annulatus* (Say, 1821)
03. *Rhipicephalus capensis* Koch, 1844
04. *Rhipicephalus decoloratus* Koch, 1844
05. *Rhipicephalus senegalensis* Koch, 1844
06. *Rhipicephalus simus* Koch, 1844
07. *Rhipicephalus praetextatus* Gerstäcker, 1873
08. *Rhipicephalus pulchellus* (Gerstäcker, 1873)
09. *Rhipicephalus bursa* Canestrini and Fanzago, 1878
10. *Rhipicephalus microplus* (Canestrini, 1888)
11. *Rhipicephalus compositus* Neumann, 1897
12. *Rhipicephalus evertsi* Neumann, 1897
13. *Rhipicephalus haemaphysaloides* Supino, 1897
14. *Rhipicephalus australis* Fuller, 1899
15. *Rhipicephalus armatus* Pocock, 1900
16. *Rhipicephalus appendiculatus* Neumann, 1901
17. *Rhipicephalus maculatus* Neumann, 1901

18. *Rhipicephalus oculatus* Neumann, 1901
19. *Rhipicephalus nitens* Neumann, 1904
20. *Rhipicephalus ziemanni* Neumann, 1904
21. *Rhipicephalus kochi* Dönitz, 1905
22. *Rhipicephalus longicoxatus* Neumann, 1905
23. *Rhipicephalus cuspidatus* Neumann, 1906
24. *Rhipicephalus tricuspis* Dönitz, 1906
25. *Rhipicephalus aurantiacus* Neumann, 1907
26. *Rhipicephalus duttoni* Neumann, 1907
27. *Rhipicephalus longus* Neumann, 1907
28. *Rhipicephalus lunulatus* Neumann, 1907
29. *Rhipicephalus planus* Neumann, 1907
30. *Rhipicephalus supertritus* Neumann, 1907
31. *Rhipicephalus masseyi* Nuttall and Warburton, 1908
32. *Rhipicephalus sulcatus* Neumann, 1908
33. *Rhipicephalus deltoideus* Neumann, 1910
34. *Rhipicephalus dux* Dönitz, 1910
35. *Rhipicephalus follis* Dönitz, 1910
36. *Rhipicephalus pravus* Dönitz, 1910
37. *Rhipicephalus simpsoni* Nuttall, 1910
38. *Rhipicephalus complanatus* Neumann, 1911
39. *Rhipicephalus rossicus* Yakimov and Kol-Yakimova, 1911
40. *Rhipicephalus longiceps* Warburton, 1912
41. *Rhipicephalus punctatus* Warburton, 1912
42. *Rhipicephalus sculptus* Warburton, 1912

43. *Rhipicephalus fulvus* Neumann, 1913
44. *Rhipicephalus jeanneli* Neumann, 1913
45. *Rhipicephalus theileri* Bedford and Hewitt, 1925
46. *Rhipicephalus humeralis* Tonelli-Rondelli, 1926
47. *Rhipicephalus schulzei* Olenov, 1929
48. *Rhipicephalus distinctus* Bedford, 1932
49. *Rhipicephalus pilans* Schulze, 1935
50. *Rhipicephalus pumilio* Schulze, 1935
51. *Rhipicephalus pusillus* Gil Collado, 1936
52. *Rhipicephalus turanicus* Pomerantzev, 1940
53. *Rhipicephalus glabroscutatum* Du Toit, 1941
54. *Rhipicephalus muehlensi* Zumpt, 1943
55. *Rhipicephalus leporis* Pomerantzev, 1946
56. *Rhipicephalus arnoldi* Theiler & Zumpt, 1950
57. *Rhipicephalus bequaerti* Zumpt, 1950
58. *Rhipicephalus serranoi* Santos Dias, 1950
59. *Rhipicephalus zumpti* Santos Dias, 1950
60. *Rhipicephalus pseudolongus* Santos Dias, 1953
61. *Rhipicephalus hurti* Wilson, 1954
62. *Rhipicephalus boueti* Morel, 1957
63. *Rhipicephalus sculpturatus* Santos Dias, 1959
64. *Rhipicephalus gertrudae* Feldman-Muhsam, 1960
65. *Rhipicephalus kohlsi* (Hoogstraal & Kaiser, 1960)
66. *Rhipicephalus guilhoni* Morel & Vassiliades, 1963
67. *Rhipicephalus cliffordi* Morel, 1965

68. *Rhipicephalus geigy* (Aeschlimann & Morel, 1965)
69. *Rhipicephalus moucheti* Morel, 1965
70. *Rhipicephalus muhsamae* Morel & Vassiliades, 1965
71. *Rhipicephalus carnivoralis* Walker, 1966
72. *Rhipicephalus ramachandrai* Dhanda, 1966
73. *Rhipicephalus bergeoni* Morel & Balis, 1976
74. *Rhipicephalus camicasi* Morel, Mouchet & Rodhain, 1976
75. *Rhipicephalus zambeziensis* Walker, Norval & Corwin, 1981
76. *Rhipicephalus tetracornus* Kitaoka & Suzuki, 1983
77. *Rhipicephalus lounsburyi* Walker, 1990
78. *Rhipicephalus neumanni* Walker, 1990
79. *Rhipicephalus aquatilis* Walker, Keirans & Pegram, 1993
80. *Rhipicephalus exophthalmos* Keirans & Walker, 1993
81. *Rhipicephalus interventus* Walker, Pegram & Keirans, 1995
82. *Rhipicephalus oreotragi* Walker & Horak, 2000
83. *Rhipicephalus warburtoni* Walker & Horak, 2000
84. *Rhipicephalus congolensis* Apanaskevich, Horak & Mulumba-Mfumumu, 2013
85. *Rhipicephalus walkerae* Horak, Apanaskevich & Kariuki, 2013

NUTTALLIELLIDAE Bedford, 1931

Genus *Nuttalliella* Bedford, 1931 (1 species)

01. *Nuttalliella namaqua* Bedford, 1931