

After Grimaldi & Engel, 2005

[Alternative phylogeny](#) after Parker, 1982, Bechly, 1998-2002 and "The Tree of Life"

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<==o INSECTA Linnaeus, 1758 [Ectognatha] (insects; hyönteiset)
  |-- ARCHAEOGNATHA Börner, 1904 [Microcoryphia; †Monura; Thysanura: Machiloidea] (bristletails; sukahäntäiset)
  `--o DICONDYLIA sensu lato
    |-- ZYGENTOMA [Thysanura: Lepismatoidea] (silverfish and firebrats; kolmisukahäntäiset)
    `--o PTERYGOTA sensu Grimaldi & Engel, 2005 (winged insects; siipikantaiset)
      |-- EPHEMEROPTERA [Panephemeroptera Crampton, 1928] (päivänkorennot; mayflies)
      `--+? †Triplosoba pulchella Brongniart, 1893; U.Carb. WEU. [+Protephemeroptera Handlisch 1906: †Triplosobidae]
        `--o METAPTERYGOTA Börner, 1904 sensu Grimaldi & Engel, 2005
          |?- †Rhyniognatha hirsti Tillyard, 1928b
          |--o ODONATOPTERA Martynov, 1932 sensu Grimaldi & Engel, 2005 [Odonata sensu lato] (dragonfly-winged palaeopterans; sudenkorent)
          |  |-- †GEROPTERA Brodsky, 1994
          |  `--o HOLODONATA [Neodonataptera Bechly, 1996]
          |    |-- †PROTODONATA [+Meganisoptera Martynov, 1932 sensu Bechly, 1996 (griffenflies; griippikorennot)
          |    `-- ODONATA [Odonatoclada Bechly, 1998; Panodialata Nel, Gand & Garric, 1999] (dragonflies and damselflies; suden- j
          |--o †PALAEODICTYOPTEROIDA sensu Grimaldi & Engel, 2005 [Protorrhynchota Rohdendorf, 1968]
          |  |?- †Spilapteridae
          |  |== †PALAEODICTYOPTERA [paraphyletic]
          |  `---+--- †DIAPHANOPTERODEA Handlirsch, 1906 [Paramegasecoptera]
          |    `---+--- †DICLIPTERA Grimaldi & Engel, 2005 [incl. †Diathemoptera & †Permothemistida] [Archodonata Martynov sensu
          |    `-- †MEGASECOPTERA
          `-- NEOPTERA Martynov, 1923 [Neopterygota Crampton, 1924] (uussiipiset; bugs, beetles, wasps, moths, flies, etc.)
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