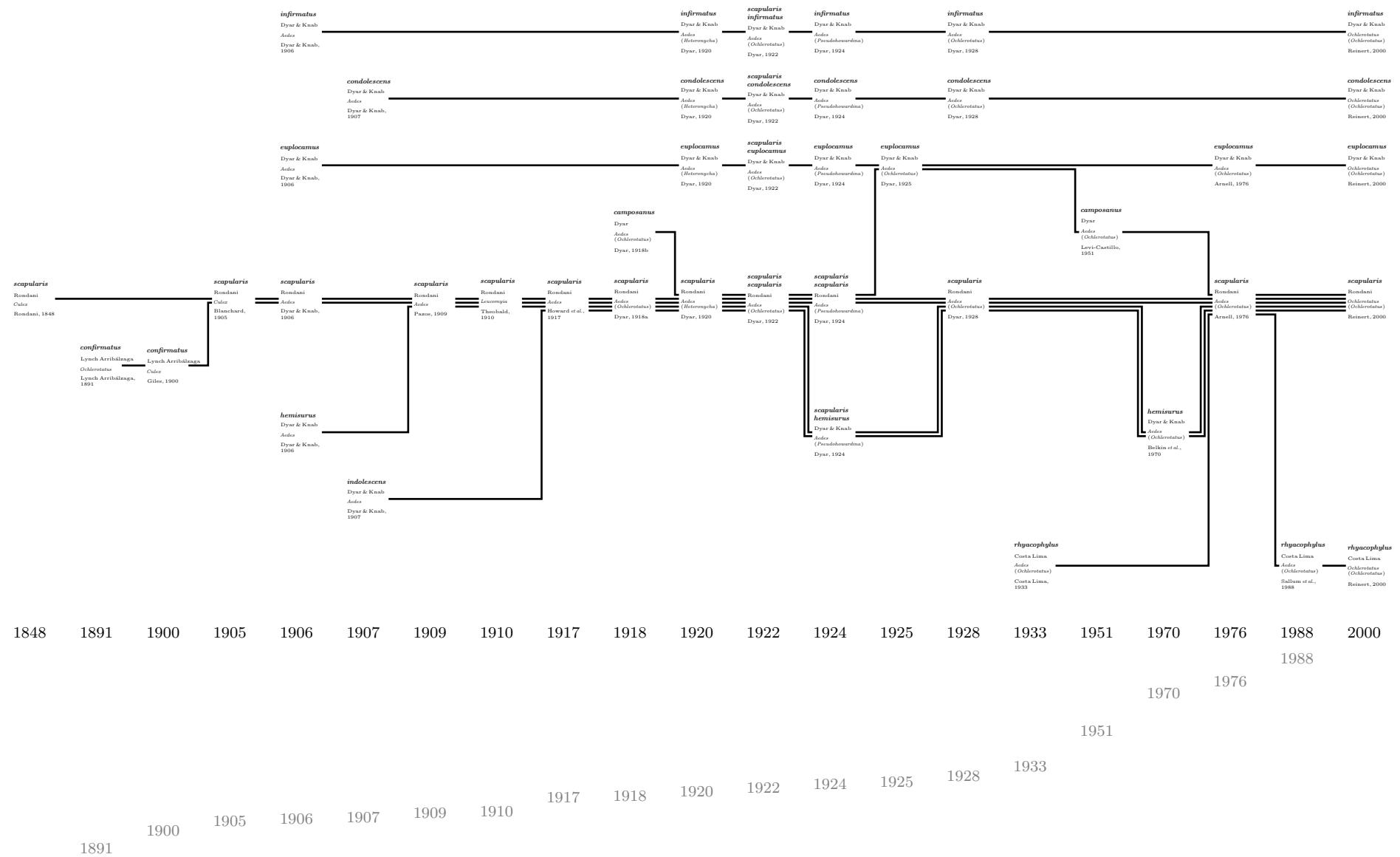
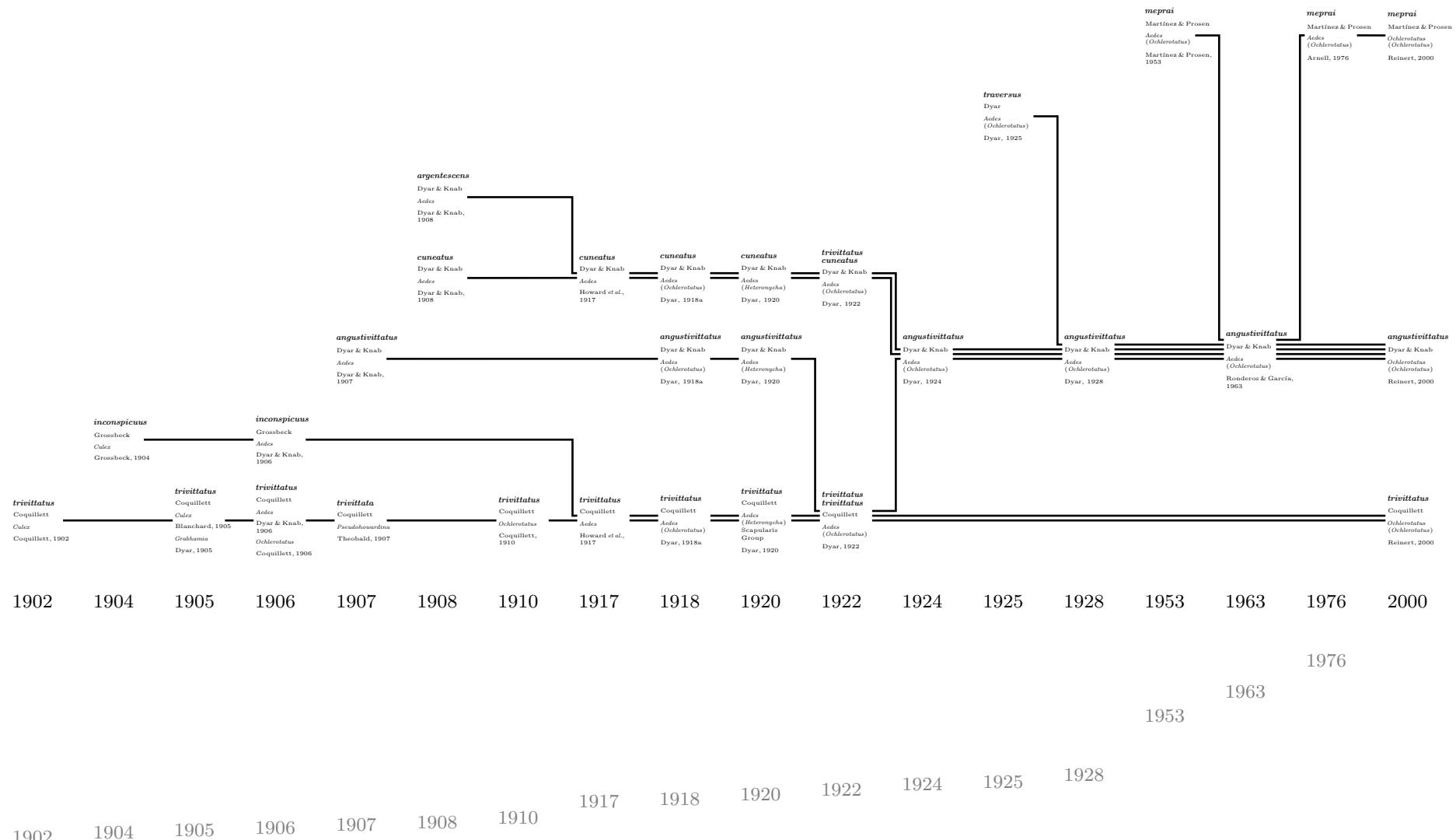


Figure S1. The taxonomic history of the names within *Ochlerotatus* (*Ochlerotatus*) Lynch Arribálzaga, 1891: the original combinations *Aedes infirmatus* Dyar & Knab, 1906; *Aedes condolezens* Dyar & Knab, 1907; *Aedes euplocamus* Dyar & Knab, 1906; *Aedes* (*Ochlerotatus*) *camposanus* Dyar, 1918; *Culex scapularis* Rondani, 1848; *Ochlerotatus confirmatus* Lynch Arribálzaga, 1891; *Aedes hemisurus* Dyar & Knab, 1906; *Aedes indolectens* Dyar & Knab, 1907 and *Aedes* (*Ochlerotatus*) *rhyacophilus* Costa Lima, 1933.



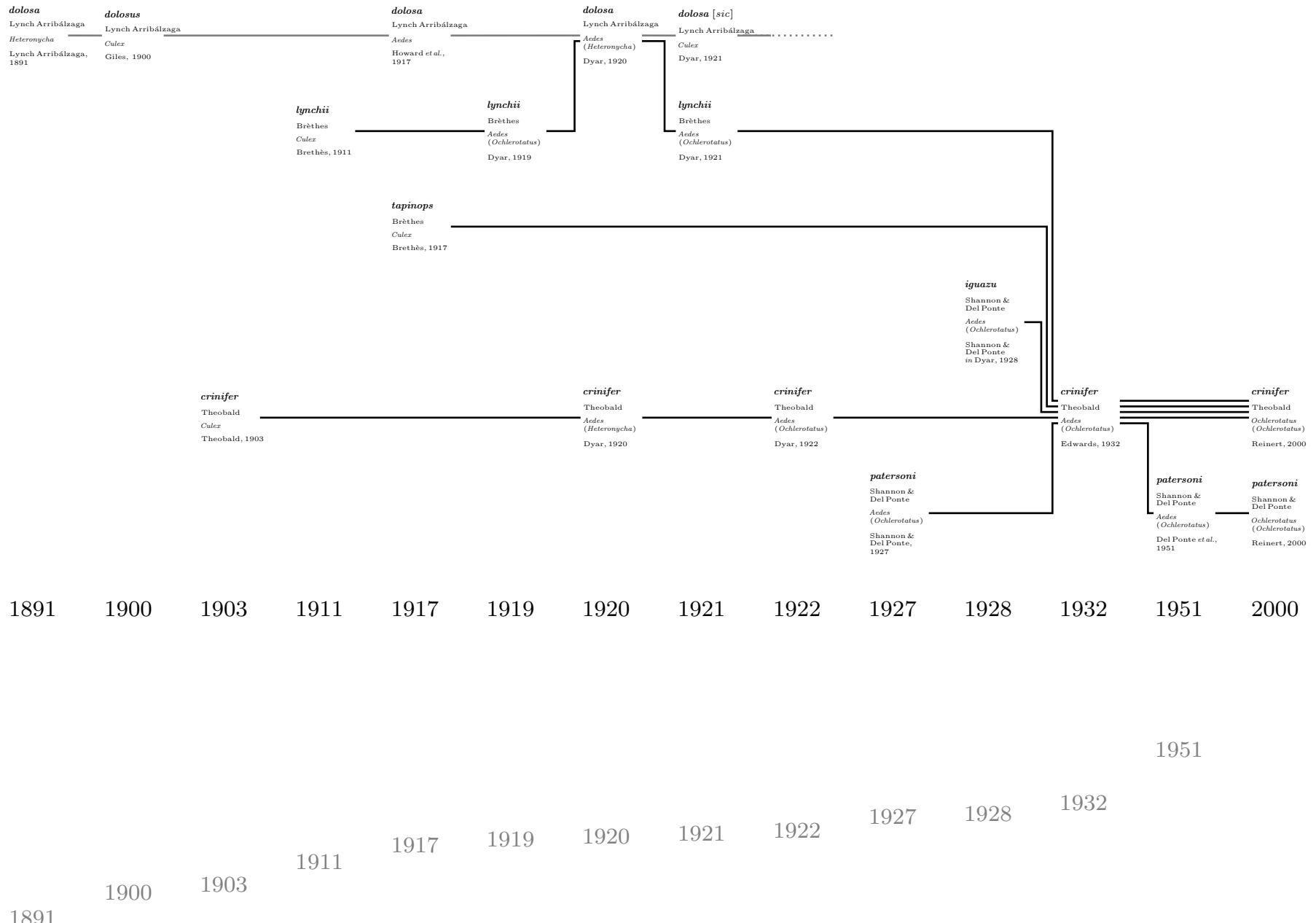
Legend: for each node, the specific and subspecific (when applicable) epithets are given in bold on top, followed by the author; afterwards follows the generic and subgeneric (when applicable) treatments at the time (given by the position of the node); at the bottom the reference is given for the treatment at the time; the lines represent the shifting understanding of each original combination; the x-axis gives the years for the publications, with the shadows (in gray) representing the distance of that year from the most recent year in the figure (i.e. 2000).

Figure S2 . The taxonomic history of the names within *Ochlerotatus* (*Ochlerotatus*) Lynch Arribálzaga, 1891: the original combinations *Aedes* (*Ochlerotatus*) *meprai* Martínez & Prosen, 1953; *Aedes* (*Ochlerotatus*) *traversus* Dyar, 1925; *Aedes* (*Ochlerotatus*) *argentescens* Dyar & Knab, 1908; *Aedes* (*Ochlerotatus*) *cuneatus* Dyar & Knab, 1908; *Aedes* (*Ochlerotatus*) *angustivittatus* Dyar & Knab, 1907; *Culex* (*Ochlerotatus*) *inconspicuus* Grossbeck, 1904 and *Culex* (*Ochlerotatus*) *trivittatus* Coquillett, 1902.



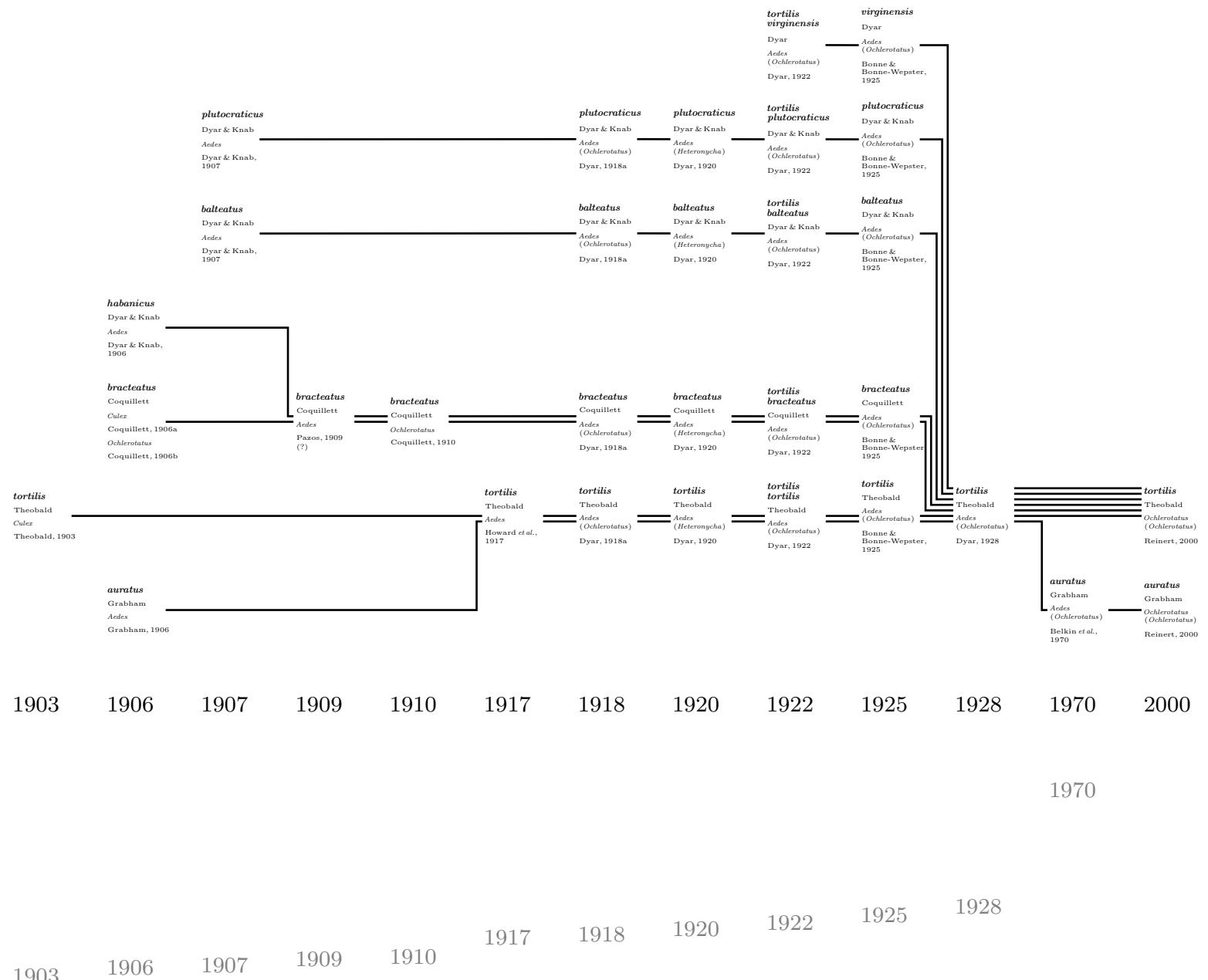
Legend: for each node, the specific and subspecific (when applicable) epithets are given in bold on top, followed by the author; afterwards follows the generic and subgeneric (when applicable) treatments at the time (given by the position of the node); at the bottom the reference is given for the treatment at the time; the lines represent the shifting understanding of each original combination; the x-axis gives the years for the publications, with the shadows (in gray) representing the distance of that year from the most recent year in the figure (i.e. 2000).

Figure S3. The taxonomic history of the names within *Ochlerotatus* (*Ochlerotatus*) Lynch Arribálzaga, 1891: the original combinations *Culex lynchii* Brèthes, 1911; *Culex tapinops* Brèthes, 1917; *Aedes* (*Ochlerotatus*) *iguazu* Shannon & Del Ponte, 1928; *Culex crinifer* Theobald, 1903 and *Aedes* (*Ochlerotatus*) *patersoni* Shannon & Del Ponte, 1927; the taxonomic history of the original combination *Heteronycha dolosa* Lynch Arribálzaga, 1891 that intersects the one of this group is also shown.



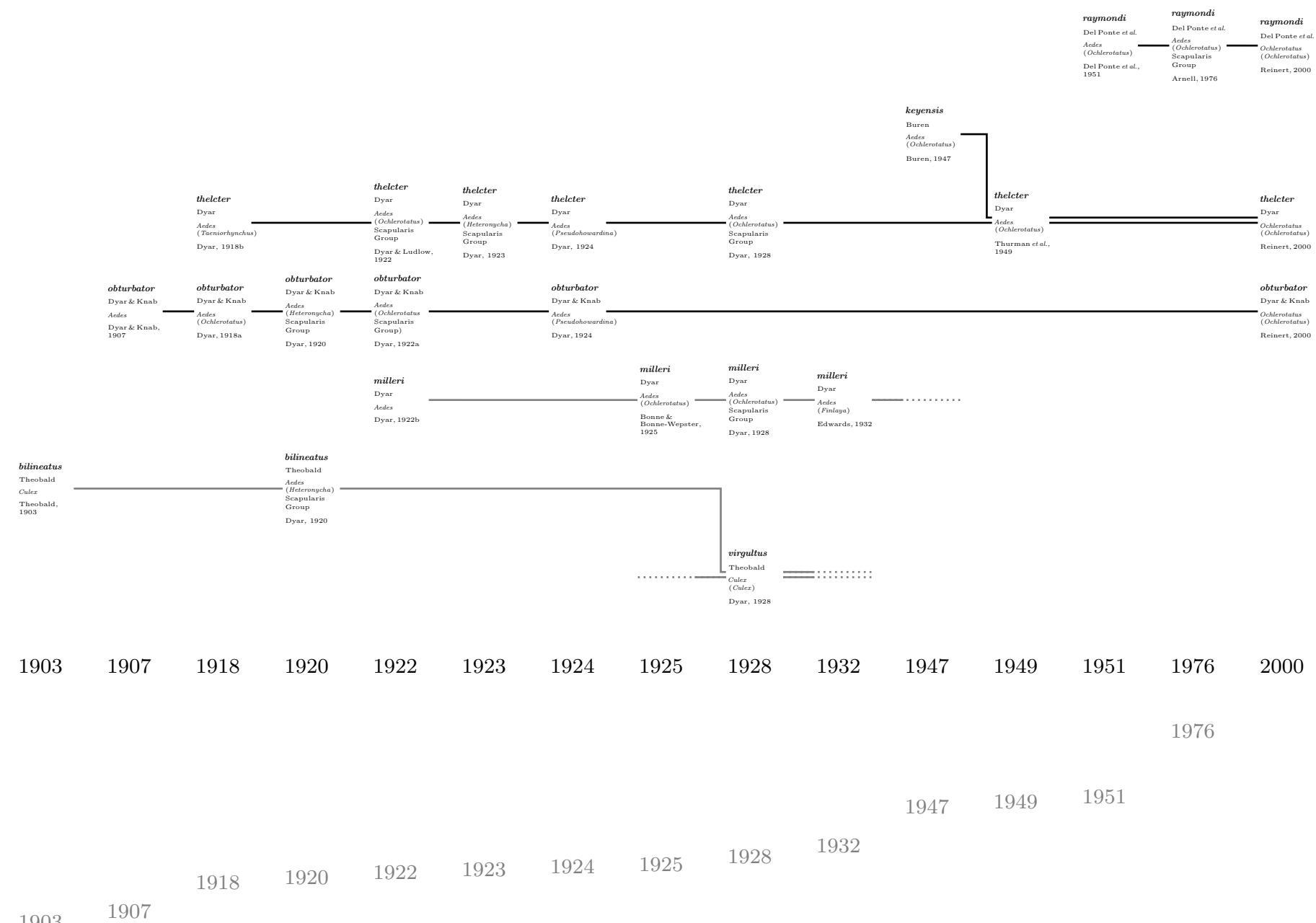
Legend: for each node, the specific and subspecific (when applicable) epithets are given in bold on top, followed by the author; afterwards follows the generic and subgeneric (when applicable) treatments at the time (given by the position of the node); at the bottom the reference is given for the treatment at the time; the lines represent the shifting understanding of each original combination (a grey line represents a name that does not pertain to this revision, the taxonomic history it shares with this group is presented in the figure, but not beyond that); the x-axis gives the years for the publications, with the shadows (in gray) representing the distance of that year from the most recent year in the figure (i.e. 2000).

Figure S4. The taxonomic history of the names within *Ochlerotatus* (*Ochlerotatus*) Lynch Arribálzaga, 1891: the original combinations *Aedes (Ochlerotatus) tortilis virginensis* Dyar, 1922; *Aedes plutocraticus* Dyar & Knab, 1907; *Aedes balteatus* Dyar & Knab, 1907; *Aedes habanicus* Dyar & Knab, 1906; *Aedes bracteatus* Coquillett, 1906a; *Culex tortilis* Theobald, 1903 and *Aedes auratus* Grabham, 1906.



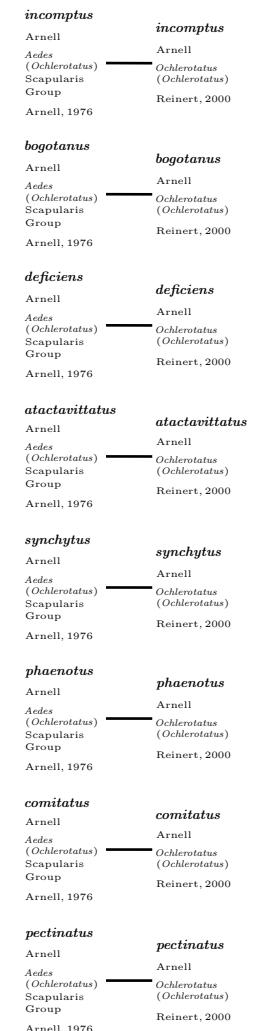
Legend: for each node, the specific and subspecific (when applicable) epithets are given in bold on top, followed by the author; afterwards follows the generic and subgeneric (when applicable) treatments at the time (given by the position of the node); at the bottom the reference is given for the treatment at the time; the lines represent the shifting understanding of each original combination; the x-axis gives the years for the publications, with the shadows (in gray) representing the distance of that year from the most recent year in the figure (i.e. 2000).

Figure S5 . The taxonomic history of the names within *Ochlerotatus* (*Ochlerotatus*) Lynch Arribálzaga, 1891: the original combinations *Aedes* (*Ochlerotatus*) *raymondi* Del Ponte et al., 1951; *Aedes* (*Ochlerotatus*) *keyensis* Buren, 1947; *Aedes* (*Taeniorhynchus*) *thelcter* Dyar, 1918 and *Aedes* *obturbator* Dyar, 1907; the taxonomic history of the original combinations *Aedes* *milleri* Dyar, 1922 and *Culex* *bilineatus* Theobald, 1903 that intersects the one of this group is also shown.



Legend: for each node, the specific and subspecific (when applicable) epithets are given in bold on top, followed by the author; afterwards follows the generic and subgeneric (when applicable) treatments at the time (given by the position of the node); at the bottom the reference is given for the treatment at the time; the lines represent the shifting understanding of each original combination (a grey line represents a name that does not pertain to this revision, the taxonomic history it shares with this group is presented in the figure, but not beyond that); the x-axis gives the years for the publications, with the shadows (in gray) representing the distance of that year from the most recent year in the figure (i.e. 2000).

Figure S6. The taxonomic history of the names within *Ochlerotatus* (*Ochlerotatus*) Lynch Arribálzaga, 1891: the original combinations *Aedes* (*Ochlerotatus*) *incomptus* Arnell, 1976; *Aedes* (*Ochlerotatus*) *bogotanus* Arnell, 1976; *Aedes* (*Ochlerotatus*) *deficiens* Arnell, 1976; *Aedes* (*Ochlerotatus*) *atactavittatus* Arnell, 1976; *Aedes* (*Ochlerotatus*) *synchytes* Arnell, 1976; *Aedes* (*Ochlerotatus*) *phaenotus* Arnell, 1976; *Aedes* (*Ochlerotatus*) *comitatus* Arnell, 1976 and *Aedes* (*Ochlerotatus*) *pectinatus* Arnell, 1976.



Legend: for each node, the specific and subspecific (when applicable) epithets are given in bold on top, followed by the author; afterwards follows the generic, subgeneric and informal grouping (when applicable) treatments at the time (given by the position of the node); at the bottom the reference is given for the treatment at the time; the lines represent the shifting understanding of each original combination; the x-axis gives the years for the publications, with the shadows (in gray) representing the distance of that year from the most recent year in the figure (*i.e.* 2000).