classwork-3-7

Haily Kil March 7, 2017

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Loading required package: ape

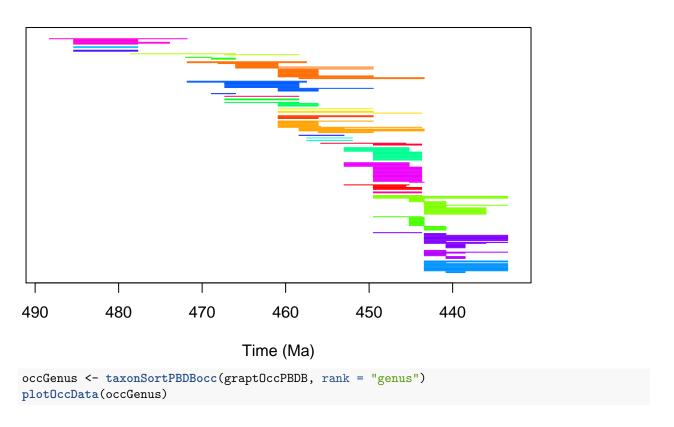
data(graptPBDB)
head(graptOccPBDB)

library(paleotree)

occurrence_no record_type reid_no obsolete collection_no ## ## 1 1669 occurrence 215 NA NA ## 2 2186 occurrence NA NA 256 ## 3 2216 NA NΑ 258 occurrence ## 4 2217 occurrence NANA258 ## 5 2318 occurrence NA NA 270 ## 6 2319 occurrence NANA270 ## identified_name identified_rank identified_no taxonomic_reason 33800 Chaunograptus sp. genus 33551 ## 2 Dendrograptus sp. genus ## 3 Acanthograptus sp. 33536 genus Dendrograptus sp. genus 33551 Dendrograptus sp. genus 33551 ## 6 Hallograptus sp. 33673 genus ## accepted_name accepted_rank accepted_no early_interval late_interval ## 1 33800 St Davids Chaunograptus genus St Davids ## 2 Dendrograptus 33551 Trempealeauan Trempealeauan genus ## 3 Acanthograptus genus 33536 Cambrian Cambrian ## 4 Dendrograptus genus 33551 Cambrian Cambrian Dendrograptus genus 33551 Tremadoc Tremadoc ## 6 Tremadoc Hallograptus genus 33673 Tremadoc ## early_age late_age reference_no primary_name primary_reso ## 1 513.0 501.0 13 Chaunograptus ## 2 501.0 485.4 13 Dendrograptus ## 3 541.0 485.4 13 Acanthograptus ## 4 541.0 485.4 13 Dendrograptus ## 5 485.4 477.7 13 Dendrograptus ## 6 485.4 477.7 13 Hallograptus ## subgenus_name subgenus_reso species_name species_reso subgenus ## 1 sp. ## 2 NA sp. ## 3 NA sp. ## 4 NA sp. ## 5 NA sp. ## 6 sp. NA ## genus genus_no family family_no order subgenus_no ## 1 Chaunograptus 33800 NA ## 2 NΑ Dendroidea Dendrograptus 33551 NA## 3 NA Acanthograptus 33536 NA Dendroidea ## 4 Dendrograptus 33551 NA Dendroidea NA## 5 Dendrograptus 33551 Dendroidea

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33673
## 6
              NA
                   Hallograptus
                                                        NA Graptoloidea
##
     order_no
                      class class_no
                                            phylum phylum_no
                                                                authorizer
           NA Graptolithina
                                                       33518 Sepkoski, J.
## 1
                                33534 Hemichordata
## 2
        33535 Graptolithina
                                33534 Hemichordata
                                                       33518 Sepkoski, J.
                                                       33518 Sepkoski, J.
## 3
        33535 Graptolithina
                                33534 Hemichordata
## 4
        33535 Graptolithina
                               33534 Hemichordata
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                                                       33518 Sepkoski, J.
        33535 Graptolithina
                                33534 Hemichordata
                                33534 Hemichordata
                                                       33518 Sepkoski, J.
## 6
        33606 Graptolithina
         enterer modifier
## 1 Sommers, M.
                  unknown
## 2 Sommers, M.
                  unknown
## 3 Sommers, M.
                  unknown
## 4 Sommers, M.
                  unknown
## 5 Sommers, M.
                  unknown
## 6 Sommers, M.
                 unknown
occSpecies <- taxonSortPBDBocc(graptOccPBDB, rank = "species")</pre>
plotOccData(occSpecies)
```

Age Uncertainty of Occurrence Data



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