

Ecography

**ECOG-01154**

Varela, S., González-Hernández, J., Sgarbi, L. F., Marshall, C., Uhen, M. D., Peters, S. and McClennen, M. 2015. paleobioDB: an R package for downloading, visualizing and processing data from the Paleobiology Database. – Ecography doi: 10.1111/ecog.01154

**Supplementary material**

## Appendix 1

```
## Examples of the paper “paleobioDB: an R package for downloading, visualizing and  
## processing data from the Paleobiology Database”.  
## Varela et al. 2014
```

```
install.packages("devtools")  
library(devtools)
```

```
install_github("ropensci/paleobioDB")  
library(paleobioDB)
```

```
pbdb_occurrence (id=1001, show="loc")
```

```
pbdb_occurrences (limit="all", base_name="Canis",  
show="coords")
```

```
pbdb_collection (id=1003, vocab="pbdb",  
show="loc")
```

```
pbdb_collections (limit=100, base_name="Cetacea")
```

```
pbdb_collections_geo (vocab="pbdb", lngmin=0.0,  
lngmax=15.0, latmin=0.0, latmax=15.0, level=2)
```

```
pbdb_taxon (name="Canis", vocab="pbdb", show=c("attr", "app", "size"))
```

```
pbdb_taxa (name="Canidae", vocab="pbdb",  
show=c("attr", "app", "size", "nav"))
```

```
pbdb_taxa_auto (name="Canis", vocab="pbdb",  
limit=10)
```

```
pbdb_interval (id=1, vocab="pbdb")
```

```
pbdb_intervals (min_ma= 0, max_ma=2)
```

```
pbdb_scale (id=1, vocab="pbdb")
```

```
pbdb_scales()
```

```
pbdb_strata (lngmin=0, lngmax=15, latmin=0,  
latmax=15, rank="formation", vocab="pbdb")
```

```
pbdb_strata_auto (name= "Pin")
```

```
pbdb_reference (id=360)
```

```
pbdb_references (author="Polly")
```

```
pbdb_ref_occurrences (vocab="pbdb",  
taxon_name="Canis", year=2000)
```

```
pbdb_ref_collections (id=1)
```

```
pbdb_ref_taxa (name="Felidae")
```

```
canidae<- pbdb_occurrences (limit="all", base_name="Canidae", interval="Quaternary",  
show=c("phylo","coords","ident"))
```

```
pbdb_map(canidae, main = "Canidae", pch= 19, cex=0.7)
```

```
pbdb_map_richness (canidae, rank="species")
```

```
pbdb_richness (canidae, rank= "species",  
temporal_extent= c (0,10), res= 1)
```

```
pbdb_orig_ext (canidae, rank="genus",  
temporal_extent=c(0, 10), res=1, orig_ext=1)  
pbdb_orig_ext (canidae, rank="genus",  
temporal_extent=c(0, 10), res=1,  
orig_ext=2)
```

```
pbdb_temp_range (canidae, rank= "species",  
names=FALSE)
```

```
pbdb_subtaxa (canidae)
```

```
pbdb_temporal_resolution (canidae)
```