

## Tertiary anuran assemblages of Europe

Localities are listed according to their geological age; those of the same age are ordered according to their geographic position (from the west to the east).

Abbreviations of taxa:

**Alb** – *Albionbatrachus* sp., *Albionbatrachus wightensis*,  
*Albionbatrachus* cf. *wightensis*  
**Alyt sp.** – *Alytes* sp., cf. *Alytes*  
**Bo sp.** – *Bombina* sp.  
**Bo bo** – *Bombina bombina*, *Bombina (bombina)* sp.  
**Bo va** – *Bombina variegata*  
**B ?** – Bufonidae indet.  
**Buf sp.** – *Bufo* sp.  
**Buf buf** – *Bufo bufo*, *Bufo* cf. *B. bufo*  
**Buf cal** – *Bufo calamita*, *Bufo* aff. *B. calamita*  
**Buf ges** – *Bufo* (= *Palaeophrynus*) *gessneri*  
**Buf pri** – *Bufo priscus*, *Bufo* cf. *B. priscus*  
**Buf rad** – *Bufo raddei*  
**Buf viri** – *Bufo viridis*, *Bufo* cf. *B. viridis*, *Bufo* aff. *B. viridis*, *Bufo (viridis)* sp.  
**D?** – Discoglossidae indet., Discoglossinae indet.  
**Dis sp.** – *Discoglossus* sp., cf. *Discoglossus*  
**Dis tro** – *Discoglossus troscheli*  
**Eo sp.** – *Eopelobates* sp., cf. *Eopelobates*  
**Eo ant** – *Eopelobates anthracinus*  
**Eo bay** – *Eopelobates bayeri*, *Eopelobates* aff. *E. bayeri*  
**Eo hin** – *Eopelobates hinschei*, *Eopelobates* aff. *E. hinschei*

**Eo wa** – *Eopelobates wagneri*  
**Hyl arb** – *Hyla arborea*, *Hyla (arborea)* sp.  
**Hyl sp.** – *Hyla* sp., cf. *Hyla*  
**Lat sp.** – *Latonia* sp., cf. *Latonia*  
**Lat gig** – *Latonia gigantea*, *Latonia* cf. *gigantea*  
**Lat rag** – *Latonia ragei*, *Latonia* cf. *ragei*  
**Lat sey** – *Latonia seyfriedi*  
**Lat ver** – *Latonia vertaizoni*, *Latonia* aff. *L. vertaizoni*  
**Lut** – *Lutetiobatrachus gracilis* (Anura inc. sedis)  
**M?** – Microhylidae indet.  
**Me tob** – *Messelobatrachus tobieni*  
**Opi hes** – *Opisthocoellelus hessi*  
**Opi wei** – *Opisthocoellelus weigelti*  
**P?** – Pelobatidae indet.  
**Pal ?** – Palaeobatrachidae indet.  
**Pal sp.** – *Palaeobatrachus* sp., cf. *Palaeobatrachus*  
**Pal dil** – *Palaeobatrachus diluvianus*, *Palaeobatrachus* cf. *diluvianus*  
**Pal gra** – *Palaeobatrachus grandipes*, *Paleobatrachus* cf. *grandipes*  
**Pal lue** – *Palaeobatrachus luedeckei*  
**Pld sp.** – *Pelodytes* sp., cf. *Pelodytes*  
**Pel sp.** – *Pelobates* sp.

**Pel cul** – *Pelobates cultripes*, *Pelobates* cf. *cultripes*  
**Pel de** – *Pelobates decheni*  
**Pel fus** – *Pelobates fuscus*, *Pelobates* cf. *fuscus*  
**Pel syr** – *Pelobates* cf. *syriacus*  
**Pld are** – *Pelodytes* cf. *arevacus*  
**Pld pu** – *Pelodytes punctatus*, *Pelodytes* cf. *punctatus*  
**Pld sp.** – *Pelodytes* sp., cf. *Pelodytes*  
**Pli sp.** – *Pliobatrachus* sp., *Pliobatrachus langhae*,  
*Pliobatrachus* cf. *langhae*  
**R?** – Ranidae indet.,  
**Ra arv** – *Rana arvalis*, *Rana* cf. *arvalis*  
**Ra sp.** – *Rana* sp., *Ranomorphus similis*\*  
**Ra da** – *Rana dalmatina*  
**Ra esc** – *Rana esculenta*  
**Ra lat** – *Rana latastei*, *Rana* cf. *latastei*  
**Ra les** – *Rana lessonae*  
**Ra ma** – *Rana macrocnemis*  
**Ra pe** – *Rana* cf. *perezi*  
**Ra rid** – *Rana ridibunda*, *Rana (ridibunda)* sp.,  
**Ra str** – *Rana strausi*  
**Ra te** – *Rana temporaria*, *Rana (temporaria)* sp.  
**Rh ?** – Rhacophoridae indet.  
**Th** – cf. *Thaumastosaurus*, *Thaumastosaurus bottii*,  
Leptodactylidae indet.

Note that **Pal ?** marked by □ in Laugnac means *Palaeobatrachus robustus* described by Hossini and Rage (2000) and that *Thaumastosaurus* from Grisolles and Prémontré, also marked by □, actually means Leptodactylidae indet.

\* Sanchíz (1998a) regarded *Ranomorphus* as a possible representative of the Rhacophoridae but we consider it a synonym of *Rana*.





























