

# Package ‘UKVegTB’

July 11, 2025

**Title** UK Vegetation Science Taxonomic Backbone

**Version** 0.1.1

**Date** 2025-07-11

**Description** A lightweight taxonomic backbone of photoautotrophic taxa based on the UKSI, designed for use in vegetation science.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.1

**LazyDataCompression** xz

**URL** <https://github.com/NERC-CEH/UKVegTB>

**BugReports** <https://github.com/NERC-CEH/UKVegTB/issues>

**Depends** R (>= 4.4)

**LazyData** true

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taxa_lookup	<i>Taxa lookup</i>
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## Description

A lookup between the recommended taxa as present in UKVegTB::taxonomic\_backbone and associated synonymous taxon concepts present in the UKSI.

## Usage

taxa\_lookup

**Format**

A data frame with 67558 rows and 13 columns, the definitions of which are:

- informal\_group** The informal group of the taxon.
- taxon\_name** The taxon name of the synonymous taxon concept associated with the recommended\_taxon\_name.
- rank** The taxonomic rank of the taxon.
- qualifier** The qualifier of the taxon.
- authority** The authority responsible for the description of the taxon.
- full\_name** The full name of the taxon, formed from the combination of the taxon\_name and qualifier.
- TVK** The UKSI taxon version key associated with the taxon\_name.
- recommended\_taxon\_name** The recommended taxon name for the taxon concept in the taxon\_name column.
- recommended\_rank** The taxonomic rank of the recommended\_taxon\_name.
- recommended\_qualifier** The qualifier of the recommended\_taxon\_name
- recommended\_authority** The authority responsible for the description of the recommended\_taxon\_name.
- recommended\_full\_name** The full name of the recommended\_taxon\_name, formed from the combination of the recommended\_taxon\_name and recommended\_qualifier.
- recommended\_TVK** The UKSI taxon version key associated with the recommended\_taxon\_name.

**Details**

taxa\_lookup

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taxonomic_backbone	<i>Taxonomic Backbone</i>
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**Description**

The taxonomic backbone used in RMAVIS. Formed by selecting the recommended taxa from the following informal groups: "alga", "chromist", "clubmoss", "conifer", "fern", "flowering plant", "ginkgo", "hornwort", "horsetail", "lichen", "liverwort", "moss", "quillwort", and "stonewort" in version 20250703a of the UKSI, then retrieving the parent taxa.

**Usage**

taxonomic\_backbone

**Format**

A data frame with 23479 rows and 55 columns, the definitions of which are:

- TVK**
- taxon\_name**
- rank**
- qualifier**
- authority**

**full\_name**  
**informal\_group**  
**Unranked**  
**Domain**  
**Kingdom**  
**Subkingdom**  
**Infrakingdom**  
**Division**  
**Subdivision**  
**Phylum**  
**Subphylum**  
**Infraphylum**  
**Superclass**  
**Class**  
**Subclass**  
**Superorder**  
**Order**  
**Suborder**  
**Superfamily**  
**Family**  
**Subfamily**  
**Family aggregate**  
**Tribe**  
**Genus**  
**Genus aggregate**  
**Subgenus**  
**Section**  
**Subsection**  
**Species group**  
**Series**  
**Species aggregate**  
**Species sensu lato**  
**Generic hybrid**  
**Species**  
**Species pro parte**  
**Species hybrid**  
**Subspecies**  
**Subspecies hybrid**  
**Subspecies aggregate**  
**Nothosubspecies**  
**Microspecies**  
**Cultivar**

**Details**

taxonomic\_backbone

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