

Package ‘PUPMCR’

April 25, 2022

Type Package

Title Color Identification of Fungi Based on Rayner (1970) and Known Fungal Pigment Association

Version 0.1.0

Description Image-based color matching using the "Mycological Colour Chart" by Rayner (1970, ISBN:9780851980263) and its associated fungal pigments. This package will assist mycologists in identifying color during morphological analysis.

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Encoding UTF-8

Imports colordistance, readxl

RoxygenNote 7.1.2

NeedsCompilation no

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raynercolor

Rayner (1970) Fungal Color

Description

Color matching based on Rayner (1970) nomenclature and association to known fungal pigments

Usage

```
raynercolor(fungi)
```

Arguments

fungi Image of fungi in transparent background

Value

Color name, hue group, and associated fungal pigment

Author(s)

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References

Rayner, R. (1970, ISBN:9780851980263). *Mycological Colour Chart*. UK: Commonwealth Mycological Insitute and British Mycological Society.

Conlan, X. A., Kalra. R., and Goel M. (2020) <doi:10.3389/fchem.2020.00369> Fungi as a Potential Source of Pigments: Harnessing Filamentous Fungi. *Front. Chem*, 8:369.

Cejpek, K. and Valisek, J. (2011) <doi:10.17221/524/2010-cjfs> Pigments of Higher Fungi: A review. *Czech J. Food Sci.*, 29:87-102.

Examples

```
PUPMCR::raynercolor(system.file("fungi.png", package = "PUPMCR"))  
## Not run:  
raynercolor("fungi_image_format")  
## End(Not run)
```

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