

# Package: hybridogram (via r-universe)

August 23, 2024

**Type** Package

**Title** Function that Creates a Heat Map from Hybridization Data

**Version** 0.3.2

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**Description** Using hybrid data, this package created a vividly colored hybrid heat map. The input is two files which are auto-selected. The first file has three columns, the first two for pairs of species, with the third column for the hybrid experiment code (an integer). The second file is a list of code and their descriptions in two columns. The output is a figure showing the hybrid heat map with a color legend.

**License** GPL-3

**Encoding** UTF-8

**RoxygenNote** 7.1.1

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**Imports** pheatmap

**NeedsCompilation** no

**Repository** CRAN

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hybridogram

*Function that Creates a Heat Map from Hybridization Data*

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### **Description**

R package which takes a list of hybridization results along with a code and creates a heat map.

Version 0.3.2 Author: Dr. Matthew Cserhati Email: csmaty@protonmail.com May 21, 2021

### **Arguments**

hybrid\_data      a data frame with three columns: species1, species2, code  
codes            a data frame with two columns: code, description

### **Value**

nil

### **References**

Wood, T. C., and Murray, M. J. (2003) Understanding the Pattern of Life. Nashville, TN: Broadman & Holman.

### **Examples**

```
V1 <- c("Phoca largha", "Phoca largha", "Phoca caspica")
V2 <- c("Phoca vitulina", "Phoca caspica", "Pusa hispida")
V3 <- c(2,3,3)
hybrid_data <- data.frame(V1,V2,V3)
C1 <- c(1,2,3)
C2 <- c("No hybrid", "Hybrid with same 3rd species", "Documented hybrid")
codes <- data.frame(C1,C2)
hybridogram(hybrid_data, codes)
```

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