

# Package: Rmolt (via r-universe)

September 6, 2024

**Type** Package

**Title** Graphic Visualization of the Birds' Molt

**Version** 1.0.0

**Date** 2022-09-16

**Maintainer** Martin Bozon <bozon.etu@gmail.com>

**Description** Graphical visualization of the birds' molt to facilitate the creation of molting graph for passerines having 9 (Rmolt(data,9)) or 10 primaries (Rmolt(data,10)), and also only for the 10 first primaries (Rmolt(data,` `10\_0")).

**License** GPL (>= 2)

**Encoding** UTF-8

**LazyData** true

**Depends** R (>= 2.10)

**RoxygenNote** 7.2.0

**Suggests** knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

**Author** Martin Bozon [cre, aut]

**Repository** <https://martinbozon.r-universe.dev>

**RemoteUrl** <https://github.com/martinbozon/rmolt>

**RemoteRef** HEAD

**RemoteSha** 8c811f3b26596cd77da9c7f436c27005cc5d253f

## Contents

dcb . . . . .	2
df . . . . .	2
fcf . . . . .	3
moult_color . . . . .	3
percentage . . . . .	4

2		<i>df</i>
	primarye_10 . . . . .	4
	primarye_9 . . . . .	5
	Rmolt . . . . .	5
<b>Index</b>		<b>7</b>

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dcb	<i>Percentage of molting feathers in a 9 primarie bird</i>
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**Description**

A dataset containing the percentage of molting feathers in a 9 primarie bird

**Usage**

dcb

**Format**

A data frame with 47 rows and 2 variables:

**P** name of the feather

**molt** percentage of molting (between 0 and 1) ...

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df	<i>Percentage of molting feathers in an only 10 primaries bird</i>
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**Description**

A dataset containing the percentage of molting feathers in an only 10 primaries bird

**Usage**

df

**Format**

A data frame with 10 rows and 2 variables:

**P** name of the feather

**molt** percentage of molting (between 0 and 1) ...

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fcf	<i>Percentage of molting feathers in a 10 primarie bird</i>
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**Description**

A dataset containing the percentage of molting feathers in a 10 primarie bird

**Usage**

fcf

**Format**

A data frame with 48 rows and 2 variables:

**P** name of the feather

**molt** percentage of molting (between 0 and 1) ...

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moult_color	<i>moult_color</i>
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**Description**

moult\_color

**Arguments**

i a value to run the loop

data a data table to choose the color

**Value**

color of the feather depending of the percentage, called for side effect

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percentage	<i>percentage</i>
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**Description**

percentage

**Usage**

percentage()

**Value**

Don't return value, just display percentage box and color on graphs

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primarie_10	<i>primarie_10</i>
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**Description**

primarie\_10

**Usage**

primarie\_10(i, data)

**Arguments**

i	a value to run the loop
data	a data table to choose the color

**Value**

No return value but establish a molt graph for a 9 primaries' bird @examples primarie\_10(2,fcf)

primarie\_9

*primarie\_9*

**Description**

primarie\_9

**Arguments**

i                    a value to run the loop  
 data                a data table to choose the color

**Value**

No return value but establish a molt graph for a 9 primaries' bird

**Examples**

primarie\_9(2,dcb)

Rmolt

*Rmolt*

**Description**

An easy way to create molt graph of passerines wings. 3 different graph available: a full passerine wing with 9 primaries; argument : primarie=9 a full passerine wing with 10 primaries; argument: primarie=10 only the 10 primaries; argument: primarie="10\_0"

The data table must have 2 rows and the order of the feathers must be like this:

for 9 primaries: c("CM10","CM9","CM8","CM7","CM6","CM5","CM4","CM3","CM2","CM1",  
 "CP1", "CP2", "CP3","CP4","CP5","CP6","CP7","CP8", "CP9", "CC", "A1", "A2", "A3", "T3","T2","T1",  
 "S6", "S5","S4","S3","S2","S1", "P1", "P2","P3","P4","P5","P6","P7","P8","P9", "R1", "R2", "R3", "R4", "R5", "R6")

for 10 primaries: c("CM10","CM9","CM8","CM7","CM6","CM5","CM4","CM3","CM2","CM1",  
 "CP1", "CP2", "CP3","CP4","CP5","CP6","CP7","CP8", "CP9", "CC", "A1", "A2", "A3", "T3","T2","T1",  
 "S6", "S5","S4","S3","S2","S1", "P1", "P2","P3","P4","P5","P6","P7","P8","P9","P10" "R1", "R2", "R3", "R4", "R5", "R6")

for only 10 primaries: c("P1", "P2","P3","P4","P5","P6","P7","P8","P9","P10")

dcb, fcf and df are examples data table include in this package

**Arguments**

data                a data table to create the graph  
 primaries         an argument to choose the graph

**Details**

Rmolt

**Value**

Don't return value, print molt graph.

**Author(s)**

`c(person("Martin", "Bozon", email = "bozon.etu@gmail.com", role = c("cre", "aut")))`

**Examples**

```
data(df)
Rmolt(df, "10_0")
```

```
data(fcf)
Rmolt(fcf, 10)
```

```
data(dcb)
Rmolt(dcb, 9)
```

# Index

## \* datasets

dcb, 2

df, 2

fcf, 3

dcb, 2

df, 2

fcf, 3

moult\_color, 3

percentage, 4

primarie\_10, 4

primarie\_9, 5

Rmolt, 5