

# Package ‘mutatr’

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**Type** Package

**Title** Mutable objects for R.

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**Description** Mutable prototype based objects with multiple inheritance.

**URL** <http://had.co.nz/>

**Imports** digest

**License** GPL

**LazyData** true

**Collate** ‘ancestors.r’ ‘core.r’ ‘object.r’ ‘object-inheritance.r’ ‘utils.r’

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ancestor\_iterator      *Ancestor iterator.*

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### Description

Ancestor iterator. This iterator has two methods `has_next` and `get_next` and iterates deep-first through the ancestry graph of a `mutatr` object.

### Usage

```
ancestor_iterator(proto)
```

### Arguments

proto                  the object with the ancestors

### Examples

```
A <- Object$clone()
B <- A$clone()
C <- B$clone()
ai <- mutatr:::ancestor_iterator(C)
while(ai$has_next()) print(ai$get_next())
```

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is.mutatr                  *Is this a mutatr object?*

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### Description

Is this a `mutatr` object?

### Usage

```
is.mutatr(x)
```

### Arguments

x                          object to test

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Object                      *Core mutatr object...*

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### Description

Core `mutatr` object

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