

# hthgu133afrmavecs

April 1, 2026

---

hthgu133afrmavecs      *Vectors used by fRMA for hthgu133a.*

---

## Description

Frozen parameter vectors for use with the `frma` and `GNUSE` functions.

## Usage

```
data(hthgu133afrmavecs)
data(hthgu133ahsentrezgfrmmavecs)
```

## Format

A list with 6 or 7 elements.

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| <code>normVec</code>         | normalization vector                                  |
| <code>probeVec</code>        | probe effect vector                                   |
| <code>probeVarWithin</code>  | within batch probe variance                           |
| <code>probeVarBetween</code> | between batch probe variance                          |
| <code>probesetSD</code>      | within probeset standard deviation                    |
| <code>medianSE</code>        | median standard error for gene expression estimates   |
| <code>version</code>         | the Entrez Gene alternative CDF version if applicable |

## Examples

```
data(hthgu133afrmavecs)
str(hthgu133afrmavecs)
```

# Index

\* **datasets**

hthgu133afrmavecs, [1](#)

hthgu133afrmavecs, [1](#)

hthgu133ahsentrezgfrmovecs  
(hthgu133afrmavecs), [1](#)