

# hgu133a2frmavecs

June 11, 2025

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|---------------------|-------------------------------------------------------|
| hgu133a2barcodevecs | <i>Vectors used by barcode function for hgu133a2.</i> |
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## Description

Parameters of the background distribution for use with the barcode function. These correspond to version 3.0 of the Gene Expression Barcode website.

## Usage

```
data(hgu133a2barcodevecs)
```

## Format

A list with 3 elements.

|         |                                |
|---------|--------------------------------|
| mu      | background means               |
| tau     | background standard deviations |
| entropy | observed gene entropy          |

## Examples

```
data(hgu133a2barcodevecs)  
str(hgu133a2barcodevecs)
```

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|                  |                                           |
|------------------|-------------------------------------------|
| hgu133a2frmavecs | <i>Vectors used by fRMA for hgu133a2.</i> |
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## Description

Frozen parameter vectors for use with the frma and GNUMSE functions.

## Usage

```
data(hgu133a2frmavecs)  
data(hgu133a2hsentrezgfrmavecs)
```

**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(hgu133a2frmavecs)
str(hgu133a2frmavecs)
```

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