

# hgu133a2frmavecs

April 8, 2026

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hgu133a2barcodevecs    *Vectors used by barcode function for hgu133a2.*

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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      *Vectors used by fRMA for hgu133a2.*

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**Description**

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