

# Package ‘FlowSorted.DLPFC.450k’

October 8, 2016

**Version** 1.8.0

**Title** Illumina HumanMethylation data on sorted frontal cortex cell populations

**Description** Raw data objects for the Illumina 450k DNA methylation microarrays.

**Author** Andrew E Jaffe, Zachary A. Kaminsky

**Maintainer** Andrew E Jaffe <andrew.jaffe@libd.org>

**License** Artistic-2.0

**Depends** R (>= 2.13.0), minfi

**LazyData** yes

**biocViews** Homo\_sapiens\_Data, MicroarrayData

**NeedsCompilation** no

## R topics documented:

|                                 |          |
|---------------------------------|----------|
| FlowSorted.DLPFC.450k . . . . . | 1        |
| <b>Index</b>                    | <b>3</b> |

---

FlowSorted.DLPFC.450k *Illumina Human Methylation data from 450k on sorted frontal cortex cell populations*

---

## Description

This RGset contains Illumina 450k DNA methylation measurements on 58 flow-sorted dorsolateral prefrontal cortex samples from non-psychiatric controls from Guintivano et al. 2013. These samples were separated into neuronal (NeuN+) and non-neuronal (NeuN-) cell type. These data can be used by the [minfi](#) package to estimate cellular composition from bulk frontal cortex samples. This data may also be useful to individuals as example Illumina 450k data for trying preprocessing methods across a variety of Bioconductor packages.

**Usage**

```
data(FlowSorted.DLPFC.450k)
```

**Format**

An object of class RGset.

**Details**

The FlowSorted.DLPFC.450k objects is based an samples assayed as part of Guintivano et al (2013).

**References**

Guintivano J., Aryee M.J., Kaminsky Z.A. *A cell epigenotype specific model for the correction of brain cellular heterogeneity bias and its application to age, brain region and major depression*. Epigenetics. 2013 Mar;8(3):290-302. <http://www.landesbioscience.com/journals/epi/abstract.php?id=23924>

**Examples**

```
data(FlowSorted.DLPFC.450k)
```

# Index

## \*Topic **datasets**

FlowSorted.DLPFC.450k, [1](#)

FlowSorted.DLPFC.450k, [1](#)

minfi, [1](#)