

Package ‘COHCAPanno’

September 11, 2025

Type Package
Title Annotations for City of Hope CpG Island Analysis Pipeline
Version 1.45.0
Date 2013-12-11
Author Charles Warden
Maintainer Charles Warden <cwarden45@gmail.com>
Description Provides genomic location, nearby CpG island and nearby gene information for common Illumina methylation array platforms
License GPL-3
LazyLoad yes
biocViews Homo_sapiens_Data, MicroarrayData, MethylationArrayData, CpGIslandData, GEO, ArrayExpress
Depends R (>= 2.10)
git_url <https://git.bioconductor.org/packages/COHCAPanno>
git_branch devel
git_last_commit d66aff7
git_last_commit_date 2025-04-15
Repository Bioconductor 3.22
Date/Publication 2025-09-11

Contents

COHCAP.27k	2
COHCAP.450k.HMM	2
COHCAP.450k.UCSC	3
Index	4

COHCAP . 27k	<i>Annotation for UCSC CpG Islands for 27k Illumina Human Methylation Array</i>
--------------	---

Description

Contains chromosome, location, gene, and CpG island information for probes on 27k Methylation array. Annotation data comes from HumanMethylation27_270596_v.1.2.bpm.

Annotation File Mappings:

COHCAP "SiteID" = Name

COHCAP "Chr" = Chr

COHCAP "Loc" = MapInfo (NCBI 36.1 / hg18)

COHCAP "Gene" = Symbol

COHCAP "Island" = CPG_ISLAND

Usage

```
data(COHCAP . 27k)
```

Source

27k Array: <http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GPL8490>

Annotation File: <http://www.ebi.ac.uk/arrayexpress/files/A-GEOD-8490/A-GEOD-8490.adf.txt>

COHCAP . 450k . HMM	<i>Annotation for HMM CpG Islands for 450k Illumina Human Methylation Array</i>
---------------------	---

Description

Contains chromosome, location, gene, and CpG island information for probes on 450k Methylation array (except for rs## probes, which are ignored). Annotation data comes from HumanMethylation450_15017482_v.1.1.bpm.

Annotation File Mappings:

COHCAP "SiteID" = IlmnID

COHCAP "Chr" = CHR

COHCAP "Loc" = MAPINFO (hg19)

COHCAP "Gene" = UCSC_RefGene_Name

COHCAP "Island" = HMM_Island

Usage

```
data(COHCAP . 450k . HMM)
```

Source

450k Array: http://www.illumina.com/products/methylation_450_beadchip_kits.ilmn

Annotation File: http://support.illumina.com/downloads/humanmethylation450_15017482_v12.ilmn

COHCAP.450k.UCSC*Annotation for UCSC CpG Islands for 450k Illumina Human Methylation Array*

Description

Contains chromosome, location, gene, and CpG island information for probes on 450k Methylation array (except for rs## probes, which are ignored). Annotation data comes from HumanMethylation450_15017482_v.1.1.bpm.

Annotation File Mappings:

COHCAP "SiteID" = IlmnID

COHCAP "Chr" = CHR

COHCAP "Loc" = MAPINFO (hg19)

COHCAP "Gene" = UCSC_RefGene_Name

COHCAP "Island" = UCSC_CpG_Islands_Name

Usage

```
data(COHCAP.450k.UCSC)
```

Source

450k Array: http://www.illumina.com/products/methylation_450_beadchip_kits.ilmn

Annotation File: http://support.illumina.com/downloads/humanmethylation450_15017482_v12.ilmn

Index

* **datasets**

COHCAP . 27k, [2](#)

COHCAP . 450k . HMM, [2](#)

COHCAP . 450k . UCSC, [3](#)

COHCAP . 27k, [2](#)

COHCAP . 450k . HMM, [2](#)

COHCAP . 450k . UCSC, [3](#)