Package ‘COHCAPanno’

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Type Package

Title Annotations for City of Hope CpG Island Analysis Pipeline

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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)

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COHCAP.27k — *Annotation for UCSC CpG Islands for 27k Illumina Human Methylation Array*

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 — *Annotation for HMM 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" = 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

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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

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