

A

CIRCpedia Search Browse Download About Yang Lab

CIRCpedia: an integrative database of circRNAs with detected alternative back-splicing and alternative splicing

CIRCpedia contains all the identified alternative back-splicing and alternative splicing in circRNAs, together with novel exons, where different formatted circRNAs in different gene loci from various cell lines could be easily searched, browsed and downloaded. Currently, the database contains circRNA alternative (back-)splicing from 13 human cell lines, and the information of a wider spectrum of cell-line, tissue and species samples will be further constructed with available datasets in the future.

Click [here](#) for more information about CIRCpedia!

B

Search

Gene/Genomic Location
CAMSAP1

Cell Line
A549

Type
CircRNA

Search

circID	Gene	Isoform	Location	RPM	ExonStart-ExonEnd	Seq Type	Cell Line
circRNA_54517	CAMSAP1	uc004cqq.4	chr9:138741982-138742307	0.00867917	6-7	poly(A)-	A549
circRNA_54518	CAMSAP1	uc004cqq.4	chr9:138741982-138754454	0.0300563	5-7	poly(A)-	A549
circRNA_54521	CAMSAP1	NM_015447	chr9:138741982-138774924	0.096848	2-7	poly(A)-	A549
circRNA_54524	CAMSAP1	NM_015447	chr9:138758301-138774924	0.0166979	2-4	poly(A)-	A549
circRNA_54525	CAMSAP1	NM_015447	chr9:138773478-138774924	3.87728	2-3	poly(A)-	A549

C

Browser

Available Tracks

- Reference sequence
 - Reference sequence
- Gene Annotation
 - knownGene
 - refGene
 - ensGene
- Wiggle Track
 - A549_poly(A)+
 - A549_poly(A)-
- CircRNA
 - A549_circRNA
- Alternative Back-Splicing
 - A549_A355
 - A549_A555
- Alternative Splicing
 - A549_Cassette_exon

D

Download

Cell Line
A549

Type
circRNA

Download

Supplemental Figure S2. CIRCpedia database

(A) The snapshot of the CIRCpedia database. All of the circRNAs produced from any individual gene locus in different cell lines can be easily searched, browsed and downloaded. Currently, the database contains circRNA back-splicing and alternative splicing from 13 human cell lines, and information on a wider spectrum of cell-line, tissue and species samples will be constructed when additional high-quality RNA-seq datasets are available.

(B) A simple search is available from the search page of CIRCpedia. CIRCpedia provides query support by gene symbols and genomic locations.

(C) Visualization of detected alternative back-splicing and alternative splicing in circRNAs in the website-embedded JBrowse.

(D) Tables for alternative back-splicing, alternative splicing and novel exons from each cell lines can be accessed from the download page.