

Resource Summary Report

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CpG MPs

RRID:SCR_005441

Type: Tool

Proper Citation

CpG MPs (RRID:SCR_005441)

Resource Information

URL: http://202.97.205.78/CpG_MPs/

Proper Citation: CpG MPs (RRID:SCR_005441)

Description: Tool for identification and analysis of CpG methylation patterns of genomic regions from high-throughput bisulfite sequencing data. It may identify the unmethylated and methylated regions for a single sample, the conserved and differential methylation regions with different methylation patterns for paired or multiple samples. It includes four main modules as follows: # Normalization of the sequencing reads of cytosines following guanines; # Identification of the unmethylated (methylated) regions using hotspot extension algorithm; # Identification of conservatively and differentially methylated regions by combining the combinatorial algorithm for determination of potentially functional regions with the algorithm of analysis of variance (ANOVA) for assess the statistical significance of differentially methylated regions; # Extraction of sequence features and visualization of these potentially functional regions.

Abbreviations: CpG_MPs

Synonyms: CpG_MPs: identification of CpG methylation patterns of genomic regions

Resource Type: analysis service resource, data analysis service, production service resource, service resource, software resource

Keywords: genomic methylation pattern, genomic, methylation pattern, java

Resource Name: CpG MPs

Resource ID: SCR_005441

Alternate IDs: OMICS_00596

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260821T193744+0000

Ratings and Alerts

No rating or validation information has been found for CpG MPs.

No alerts have been found for CpG MPs.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.