

# Resource Summary Report

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## EMBOSS CpGPlot/CpGReport/Isochore

RRID:SCR\_007254

Type: Tool

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### Proper Citation

EMBOSS CpGPlot/CpGReport/Isochore (RRID:SCR\_007254)

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### Resource Information

**URL:** <http://www.ebi.ac.uk/Tools/emboss/cpgplot/indexhtml>

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**Description:** This portal allows for the detection of regions of genomic sequences that are rich in the CpG pattern is important because such regions are resistant to methylation and tend to be associated with genes which are frequently switched on. Regions rich in the CpG pattern are known as CpG islands. The function of the program cpgplot is to plot CpG rich areas, and cpgreport to report all CpG rich regions. The nuclear genomes of vertebrates are mosaics of isochores, very long stretches of DNA that are homogeneous in base composition and are compositionally correlated with the coding sequences that they embed. Isochores can be partitioned in a small number of families that cover a range of GC levels. Program isochore plots GC content over a sequence. Sponsors: This resource is supported by European Bioinformatics Institute. Keywords: Software, Plotting, Pattern, CpG, Gene, Function, Isochore, DNA, Genome, Homogeneous, Coding, Sequence, Family, Sequencing,

**Synonyms:** EMBOSS

**Resource Type:** topical portal, data or information resource, portal

**Resource Name:** EMBOSS CpGPlot/CpGReport/Isochore

**Resource ID:** SCR\_007254

**Alternate IDs:** nif-0000-30268

**Record Creation Time:** 20220129T080240+0000

**Record Last Update:** 20260804T043326+0000

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### Ratings and Alerts

No rating or validation information has been found for EMBOSS CpGPlot/CpGReport/Isochore.

No alerts have been found for EMBOSS CpGPlot/CpGReport/Isochore.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [ASWG](#) .

Angosto-Bazarra D, et al. (2022) Evolutionary analyses of the gasdermin family suggest conserved roles in infection response despite loss of pore-forming functionality. BMC biology, 20(1), 9.

Woehle C, et al. (2018) A Novel Eukaryotic Denitrification Pathway in Foraminifera. Current biology : CB, 28(16), 2536.

Doan RN, et al. (2016) Mutations in Human Accelerated Regions Disrupt Cognition and Social Behavior. Cell, 167(2), 341.

Zhang X, et al. (2015) MicroRNA Clusters in the Adult Mouse Heart: Age-Associated Changes. BioMed research international, 2015, 732397.

Zhang X, et al. (2014) Overexpression of p49/STRAP alters cellular cytoskeletal structure and gross anatomy in mice. BMC cell biology, 15, 32.