Resource Summary Report

Generated by NIF on Apr 23, 2025

CopyNumber450kCancer

RRID:SCR_017965
Type: Tool

Proper Citation

CopyNumber450kCancer (RRID:SCR_017965)

Resource Information

URL: https://github.com/cran/CopyNumber450kCancer

Proper Citation: CopyNumber450kCancer (RRID:SCR_017965)

Description: Software R package baseline correction for accurate copy number calling from 450k methylation array. Baseline correction for copy number data from cancer samples. Implements maximum density peak estimation (MDPE) method together with interactive reviewing to efficiently correct baseline in cancer samples.

Resource Type: data processing software, software resource, software application

Defining Citation: PMID:26553913

Keywords: Correction, accurate, copy, number, calling, 450k, methylation, array, data, cancer, maximum, density, peak, estimation

Funding: Swedish Cancer Society ;
Swedish Research Council for Science and Technology ;
Swedish Foundation for Strategic Research

Availability: Free, Freely available

Resource Name: CopyNumber450kCancer

Resource ID: SCR_017965

License: GNU General Public License version 2.0

Record Creation Time: 20220129T080338+0000

Record Last Update: 20250423T061032+0000

Ratings and Alerts

No rating or validation information has been found for CopyNumber450kCancer.

No alerts have been found for CopyNumber450kCancer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Marzouka NA, et al. (2020) Recurring urothelial carcinomas show genomic rearrangements incompatible with a direct relationship. Scientific reports, 10(1), 19539.

Luo Y, et al. (2019) Regional methylome profiling reveals dynamic epigenetic heterogeneity and convergent hypomethylation of stem cell quiescence-associated genes in breast cancer following neoadjuvant chemotherapy. Cell & bioscience, 9, 16.

Marzouka NA, et al. (2018) A validation and extended description of the Lund taxonomy for urothelial carcinoma using the TCGA cohort. Scientific reports, 8(1), 3737.