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# PertCNfilter, v36.2

Filters a gct file of perturbation data based on the copy number of each gene. Uses a per cell line thresholds in an uploaded file.

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**Algorithm Version:**

## Introduction

PertCNFilter is a GenePattern module which thresholds data based on copy number thresholds. The user inputs their dataset as a GCT file as well as copy number data as GCT files and threshold information as a text file.

## Parameters

Name	Description
gct file *	data file to filter (.gct)
ABCN file	ABSOLUTE copy number file (.gct)
CN file *	relative copy number (.gct)
threshold file *	Cell line specific thresholds file (.txt)
extension *	filename prefix

\* - required

## Input Files

1. gct.file  
Data file containing sample information in a GCT file format.
2. ABCN.file  
File containing absolute copy number information in a GCT file format.

## 3. CN.file

GCT file including relative copy number information.

## 4. threshold.file

Text file describing copy number thresholds for each cell line.

## Output Files

## 1. Copy number filtered data

[File prefix]\_CNfiltered.gct

Output file after copy number filtering.

## Platform Dependencies

**Task Type:**

RNAi

**CPU Type:**

any

**Operating System:**

any

**Language:**

R

## Version Comments

Version	Release Date	Description
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