



## ExtractComparativeMarkerSelection Documentation

**Module name:** ExtractComparativeMarkerSelection  
**Description:** Creates a derived dataset and feature list file from the results of ComparativeMarkerSelection  
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ExtractComparativeMarkerSelection creates dataset and feature list files based on the results of ComparativeMarkerSelection and filter criteria that you specify. A feature list file is a text file with one feature per line.

You can specify filter criteria in one of two ways:

- Use the *statistic*, *min*, and *max* parameters to select a statistic to filter on and the minimum and maximum allowable values for that statistic.
- Use the *number of neighbors* parameter to select features with the highest and lowest test statistic scores.

If you specify both *statistic/min/max* and *number of neighbors*, ExtractComparativeMarkerSelection uses *number of neighbors*. If you do not specify any of the filter parameters, the dataset and feature list files contain all of the features in the ComparativeMarkerSelection results.

### Parameters:

Name	Description
comparative marker selection filename	The results from ComparativeMarkerSelection - .odf
dataset.filename	The dataset file that the markers were selected from - .gct, .res, .odf
statistic	The statistic to filter features on; ignored unless <i>min</i> and/or <i>max</i> are also specified
min	Select features with statistic $\geq$ min
max	Select features with statistic $\leq$ max
number of neighbors	Select the <i>n</i> features with the highest score and the <i>n</i> features with the lowest score, where <i>n</i> is <i>number of neighbors</i>
base output name	The base name for the output files

### Return Value:

1. Derived Dataset.
2. Derived Feature List.

### Platform dependencies:

**Task type:** Gene List Selection  
**CPU type:** any  
**OS:** any  
**Java JVM level:** 1.4  
**Language:** Java

# GenePattern

## *GenePattern Module Version Notes*

<b>Date</b>	<b>Version</b>	<b>Description</b>
10/16/12	4	Renamed field parameter to statistic