













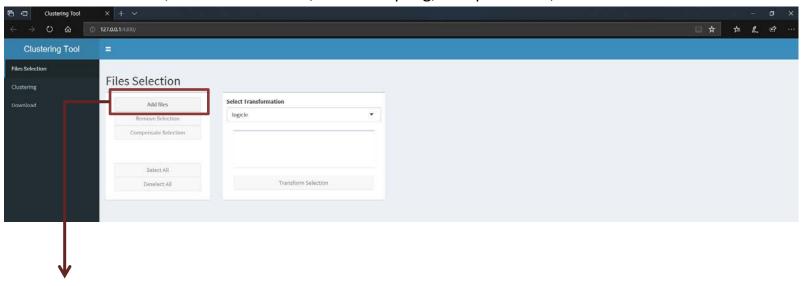






Files Selection Tab

Files Selection, Markers Selection, Downsampling, Compensation, Transformation

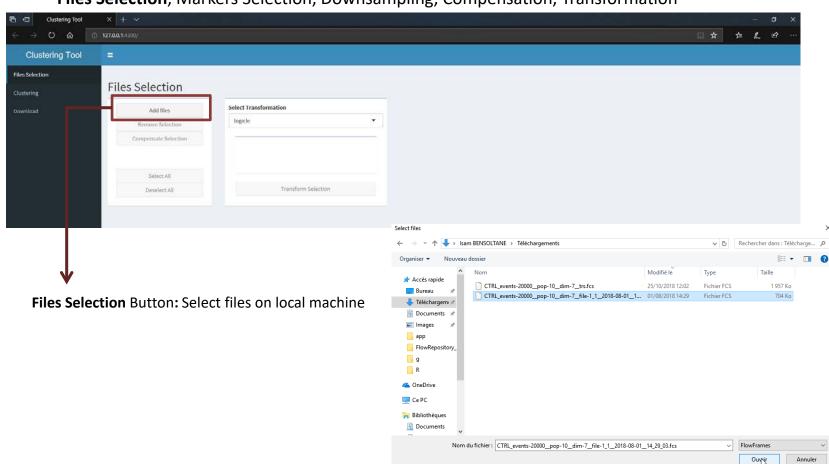


Files Selection Button: Select files on local machine



Files Selection Tab

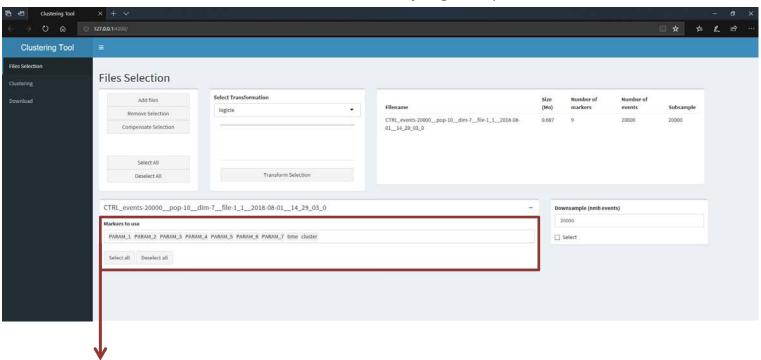
Files Selection, Markers Selection, Downsampling, Compensation, Transformation





Files Selection Tab

Files Selection, Markers Selection, Downsampling, Compensation, Transformation



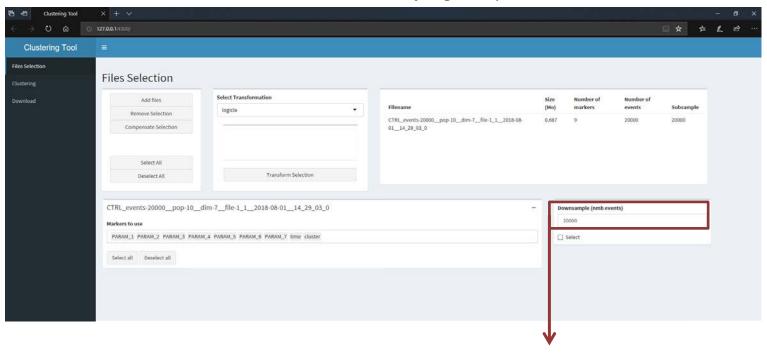
Select the markers to use for Compensation, Transformation & Clustering:

- Individually (list)
- Select/Deselect all buttons



Files Selection Tab

Files Selection, Markers Selection, Downsampling, Compensation, Transformation



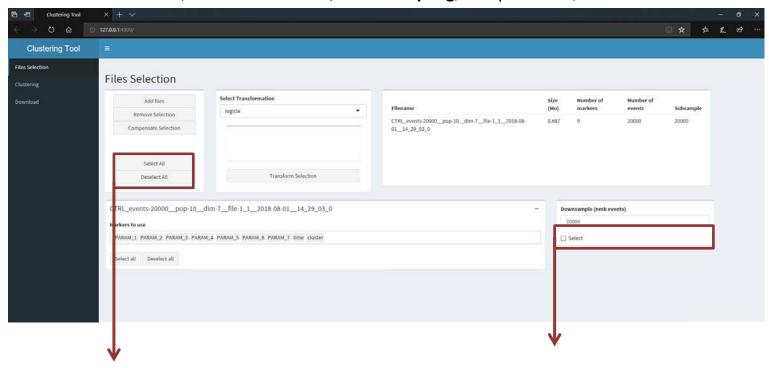
Choose the number of events to use when clustering:

- By default: all the events within the file
- If downsampled, the output fcs contains only the selected events



Files Selection Tab

Files Selection, Markers Selection, Downsampling, Compensation, Transformation



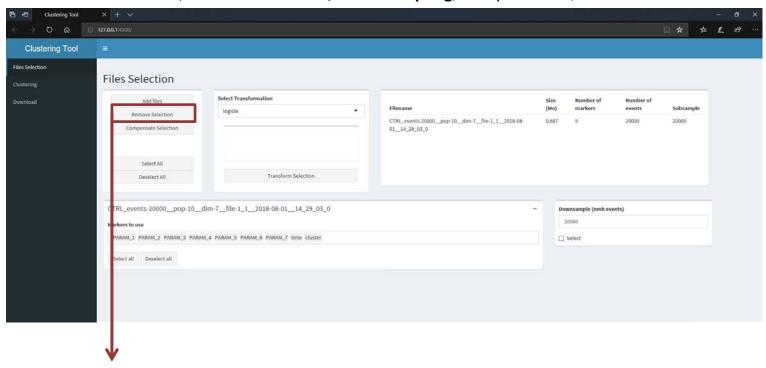
Select the file for Compensation or Transformation:

- Individually (checkbox)
- Select/Deselect all buttons



Files Selection Tab

Files Selection, Markers Selection, Downsampling, Compensation, Transformation

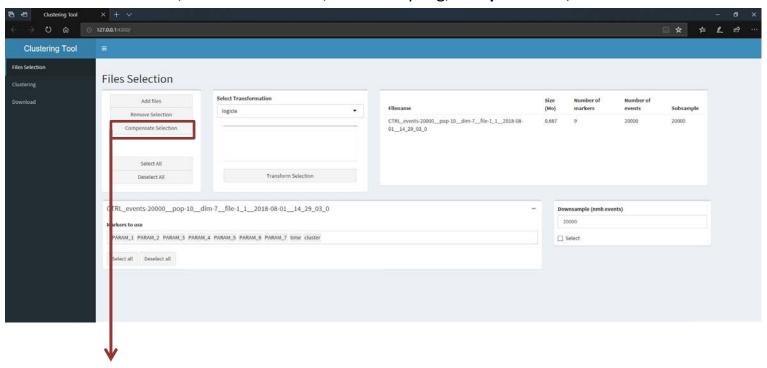


Remove Selection Button: Remove the selected files



Files Selection Tab

Files Selection, Markers Selection, Downsampling, Compensation, Transformation

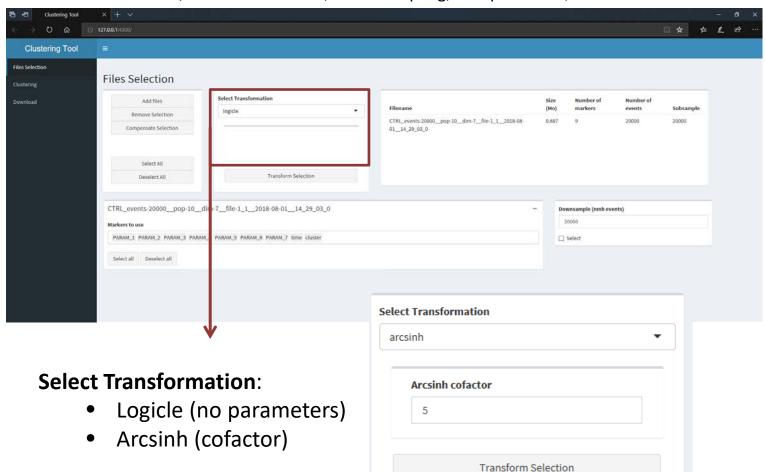


Compensate Selection Button: Compensate the selected files (if possible)



Files Selection Tab

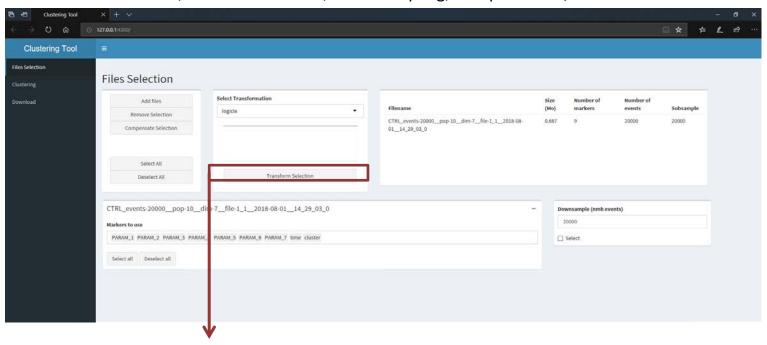
Files Selection, Markers Selection, Downsampling, Compensation, Transformation





Files Selection Tab

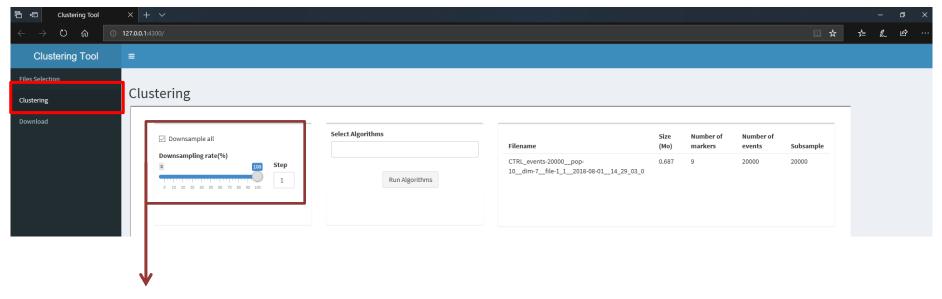
Files Selection, Markers Selection, Downsampling, Compensation, Transformation



Transform Selection Button



Clustering Tab

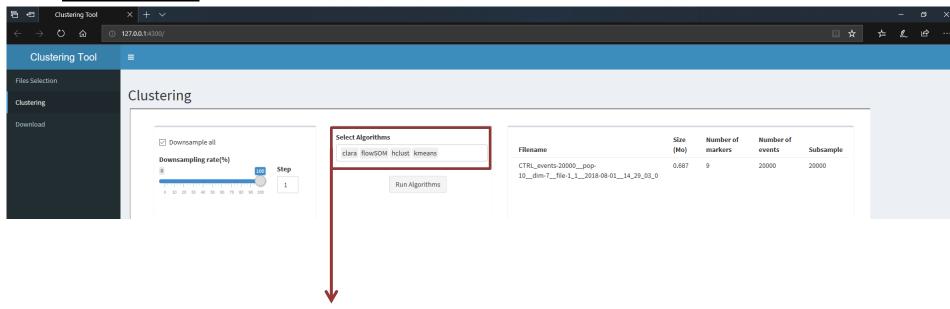


Downsample all checkbox:

- Checked: Use the selected downsampling rate on all files (% of the events of each file)
- Unchecked: Use the individual downsampling rate chosen in the Files Selection Tab



Clustering Tab



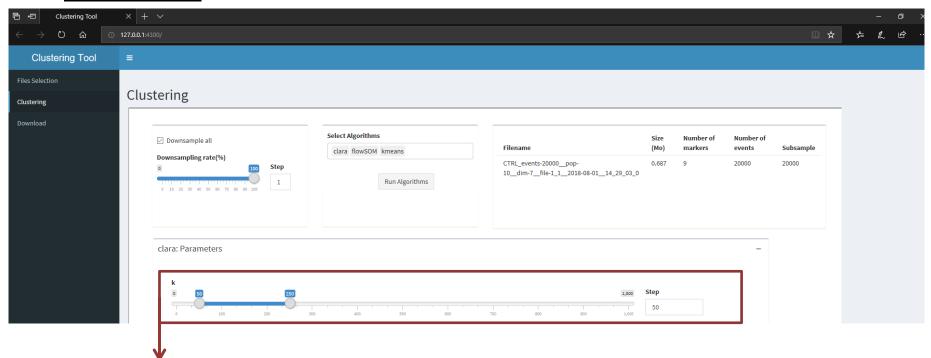
Select Algorithms:

Currently:

- Clara
- flowSOM
- Hclust LESS THAN 40 000 EVENTS ONLY
- Kmeans



Clustering Tab



For each algorithm, select the range of values for all parameters:

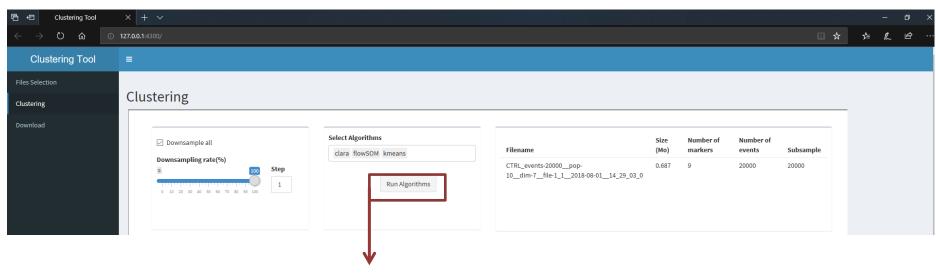
- Sliders: Min and Max values for the parameters
- Step: Values step between 2 runs

eg: Min=50, Max=150, STEP=50

→ K = 50,100,150



Clustering Tab



Run the algorithms with the combinations of all the chosen values

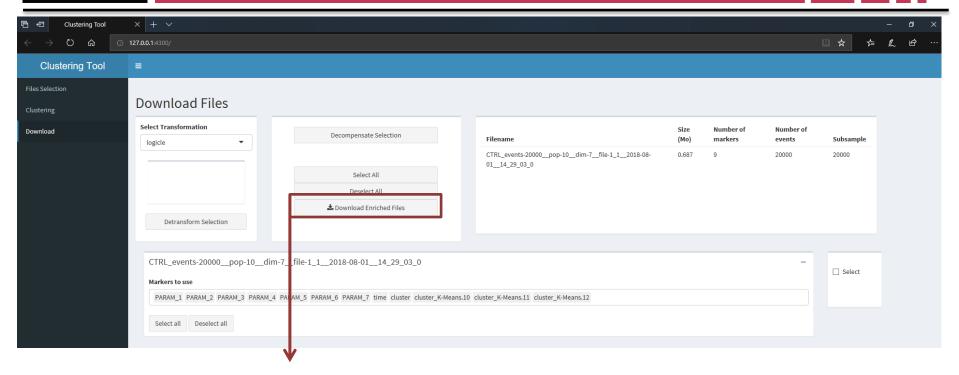
Eg: K-means centers=(50,100,150), Iterations=(1000,1100,1200)

→ Runs:

k	Iterations
50	1000
100	1000
150	1000
50	1100
100	1100



Download Tab



Download all the generated fcs: original fcs + clustering columns added