20230322 insert 2 columns:

Rel density 2 in colocalized clusters; Rel density 2 in non colocalized clusters. In Clus-Doc Ch1.xls and Clus-Doc Ch2.xls.

Take CH1 as an example:

Input: F:\20211106\2L\Clus-DoC Results\Clus-Doc Ch1.xls;

In clus-Doc Ch1.xls:

Absolute cluster density of *colocalized* cluster = **column G** (mean number of molecules per colocalized cluster)/column C (average area of colocalized clusters);

Absolute cluster density of *non-colocalized* cluster = **column I** (mean number of molecules PER non-colocalized clusters)/**column D** (average area of non-colocalized clusters);

Extract background density from clus doc: background density = # of non clustered molecules per ROI/ size of ROI.

Relative density 2 of colocalized cluster = absolute cluster density of colocalized cluster/ background density;

Relative density 2 of non-colocalized cluster = absolute cluster density of non-colocalized cluster/ background density;

Output: Relative density 2 of colocalized cluster in column K; Relative density 2 of non-colocalized cluster in column L in clus-Doc Ch1.xls.

Same for Ch2.