Notes on KNN Data

Thursday, December 1, 2022 12:24

Q1: What does each column mean?
A1: MECP2_P = MECP_2 Positive. Positive = arbitrary threshold. Impacted by staining and contrast. W = width of center of ROI to outward to a widest point. Height = center of ROI to highest point. Image = Repeated over multiple times. Multiple data points are from the same image. They are demarcated by ending and starting of ROIs. All IDs are unique for each image

Q2: What is the scientific question of the study?
A2: Leaning more towards the neighbor analysis. Dependence of MECP2 positive cell on cells around it. MECP2 positive cell influences how other cells around it. Correlations between MECP2 Positive neighbors vs. Negative neighbors. Spatial explanation of how the relationship works out. Potentially, MECP2 positive cells (nodes) allow neighbors to have less expression while still being positive

Q3: What does each row mean?
A3:ROI identified by ImageJ (Cellpose)

Q4: What is the difference between ID column and image column?
A4: Answered

Q5: For the analysis are specific subsets hoped to be examined? (E.g. only specific subsets of ROIS/Images/IDs)?
A5: No, just WT v Het (down the road maybe hemisphere)

Q6: Are you wanting a comparison between WT and HET of each file or a cross comparison between files (NAÏVE vs. Sur) or both types of comparisons?
A6: Both. NAÏVE WT v naïve Het and then NAÏVE WT vs. Sur WT. Any comparison possibilities

Q7: What do each part of the image name mean? It looks like the follow a system
A7: Sent