SUMMARY

[0006] In one exemplary embodiment, a method for generating a data visualization is provided. The method includes displaying a representation of a portion of detected data from a substrate to a user. The method further includes generating a data quality value for the portion of detected data and displaying, along with the representation of the portion of detected data, an indication of data quality value for the portion of detected data. The method further includes selecting, by the user, a quality value threshold, and displaying an adjusted indication of data quality value for the portion of detected data meeting the quality value threshold.

[0006a] In another exemplary embodiment, there is provided a system for generating a data visualization, the system comprising:

a processor; and

a memory encoded with instructions for:

displaying a representation of a portion of detected data from a substrate to a user;

generating a data quality value for the portion of detected data;

displaying, along with the representation of the portion of detected data, an indication of data quality value for the portion of detected data;

selecting, by the user, a quality value threshold; and

displaying an adjusted indication of data quality value for the portion of detected data meeting the quality value threshold.

[0006b] In another exemplary embodiment, there is provided a non-transitory computer-readable storage medium encoded with instructions, executable by a processor, the instructions comprising instructions for:

displaying a representation of a portion of detected data from a substrate to a user;

generating a data quality value for the portion of detected data;

displaying, along with the representation of the portion of detected data, an indication of data quality value for the portion of detected data;

selecting, by the user, a quality value threshold; and

displaying an adjusted indication of data quality value for the portion of detected data meeting the quality value threshold.

[0007] In another exemplary embodiment, a method for calculating a result for a biological analysis is provided. The method includes displaying to a user a scatter plot of emission data from a plurality of reaction sites and determining a classification for each data point. The method further includes receiving a selection of a data point to change the determined classification to a second classification. The method includes calculating a result based on a number of data points in each classification. In some embodiments, the result is a concentration of a target molecule. According to various embodiments, classifications may include: positive reaction, negative reaction, FAM, VIC, FAM and VIC, no amplification, empty, and undetermined.

[0007a] In another embodiment, there is provided a non-transitory computer readable storage medium encoded with instructions, executable by a processor, the instructions for:

displaying to a user a scatter plot of emission data from a plurality of reaction sites,

determining a classification for each data point;

receiving a selection of a data point to change the determined classification to a second classification; and

calculating a result based on a number of data points in each classification.

DESCRIPTION OF THE FIGURES

[0008] FIG. 1 illustrates an exemplary computing system that various embodiments described herein may be implemented.

[0009] FIG. 2 illustrates a data visualization according to various embodiments described herein.

[0010] FIG. 3 illustrates a data visualization according to various embodiments described herein.

[0011] FIG. 4 illustrates a data visualization according to various embodiments described herein.