**Supplementary Figure 1** The dot number ratio calculation program for area-specific measurement that we originally developed with Microsoft Visual Basic 2012. We divided the scattergram into 4 angular areas of 0-20° (Area I), 20-25° (Area II), 25-40° (Area III), and ≥40° (Area IV) from the origin in the X-axis direction and calculated the percentage of dots within each area. (a) *Escherichia col*i ATCC25922, (b) *Staphylococcus aureus* ATCC25923.

