



Figure S1.

(A)(B) Two figures show the relationship between the real sample count and the model prediction (Figure S1A for RF Poisson regression model, Figure S1B for RF classification model).

Upright is the main scatter plot, the color of the dot shows the value of the $\ln(\text{real sample count} + 1)$ corresponding to the left figure, the length of those colorful bar ($\ln(\text{count} + 1)$) in the left figure indicate the distribution of the $\ln(\text{real sample count} + 1)$. For the downright figure length of the bars shows the distribution of the $\ln(\text{prediction value} + 1)$, the meaning of two auxiliary figures is to Visualize the frequency of points at overly dense locations in a scatter plot.