



**Supplementary Fig. 3.** Komolgorov-Smirnov (KS) statistics overfitting and underfitting both models. The underfitted models are tabular denoising diffusion probabilistic model (TabDDPM) with 25,000 steps and conditional tabular generative adversarial network + (CTABGAN+) with 150 epochs. The overfitted TabDDPM 75,000 steps and CTABGAN+ 450 epoch. Results show that when CTABGAN+ is overfitted or underfitted the KS statistic hypothesis is not accepted and has the lowest value with a remarkable difference over TabDDPM. The table shows the inverse KS statistic where 0.95 is the threshold. CTGAN, conditional tabular generative adversarial network.