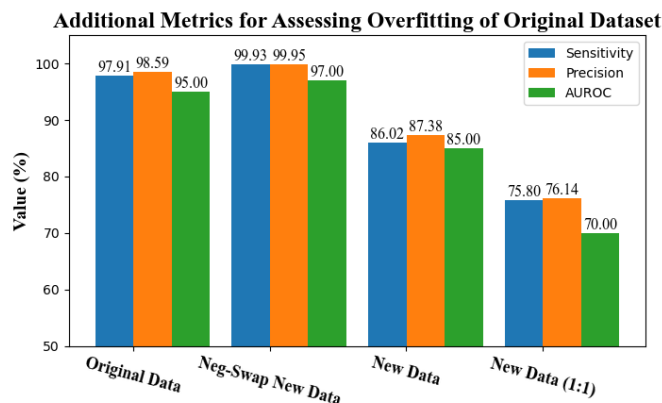
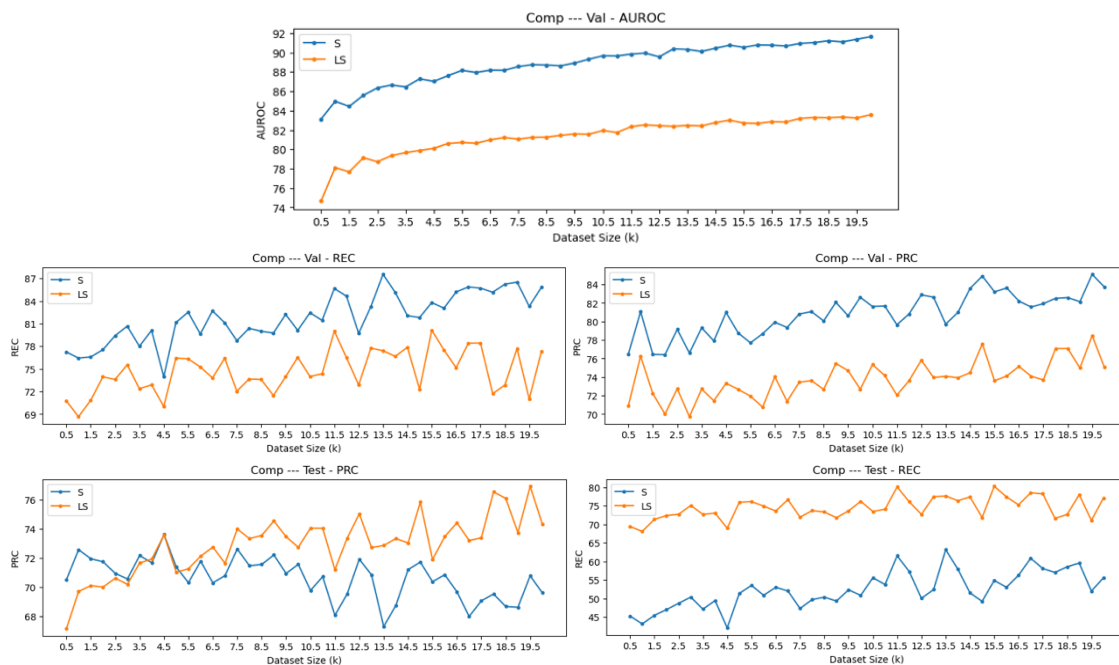


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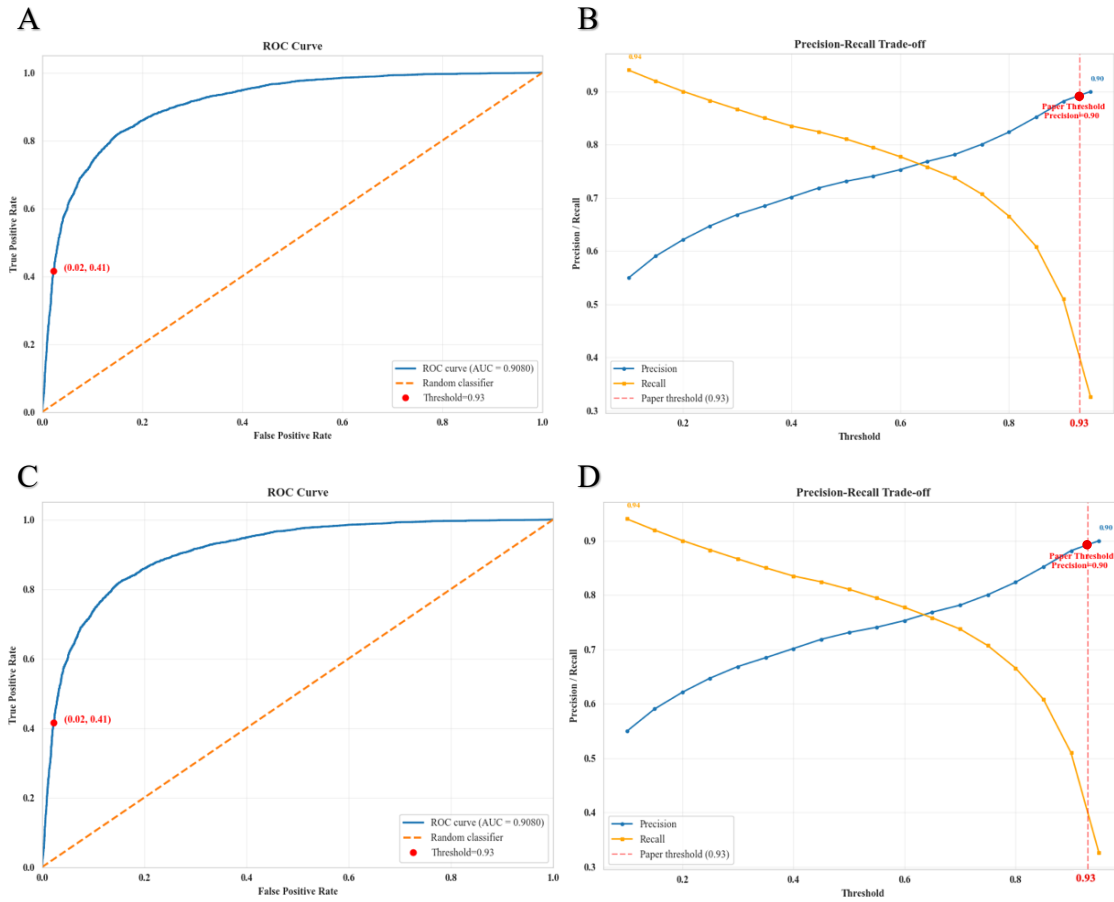
Supplementary Figures



Supplementary Fig. 1. The Sensitivity, Precision and AUROC metrics of models trained on PPI-GNN's original dataset, original dataset with negative samples swapped with our new dataset, our new dataset, and our new dataset with positive samples : negative samples = 1 : 1.



Supplementary Fig. 2. Additional Metrics for Evaluating Short Protein Dataset Performance.



Supplementary Fig. 3. (A-B) ROC and Precision-Recall Analysis on Human-trained, Human-tested metrics. Red points indicate the metrics calculated when Threshold of Positive/Negative = 0.93. **(C-D)** ROC and Precision-Recall Analysis on Human-trained, Yeast-tested metrics. Red points indicate the metrics calculated when Threshold of Positive/Negative = 0.93.