Average accuracy of cancer type prediction by number of nodes in the patient embedding layer 100 90.3 90.4 90.1 89.3 **9** 88.2 87.3 88.88 88.1 90 87.4 80 78.7 Accuracy 0 70 60 58.2-0 50 FΕ 46.7 **UMAP** 2 10 25 50 125 3 75 number of nodes in patient embedding layer