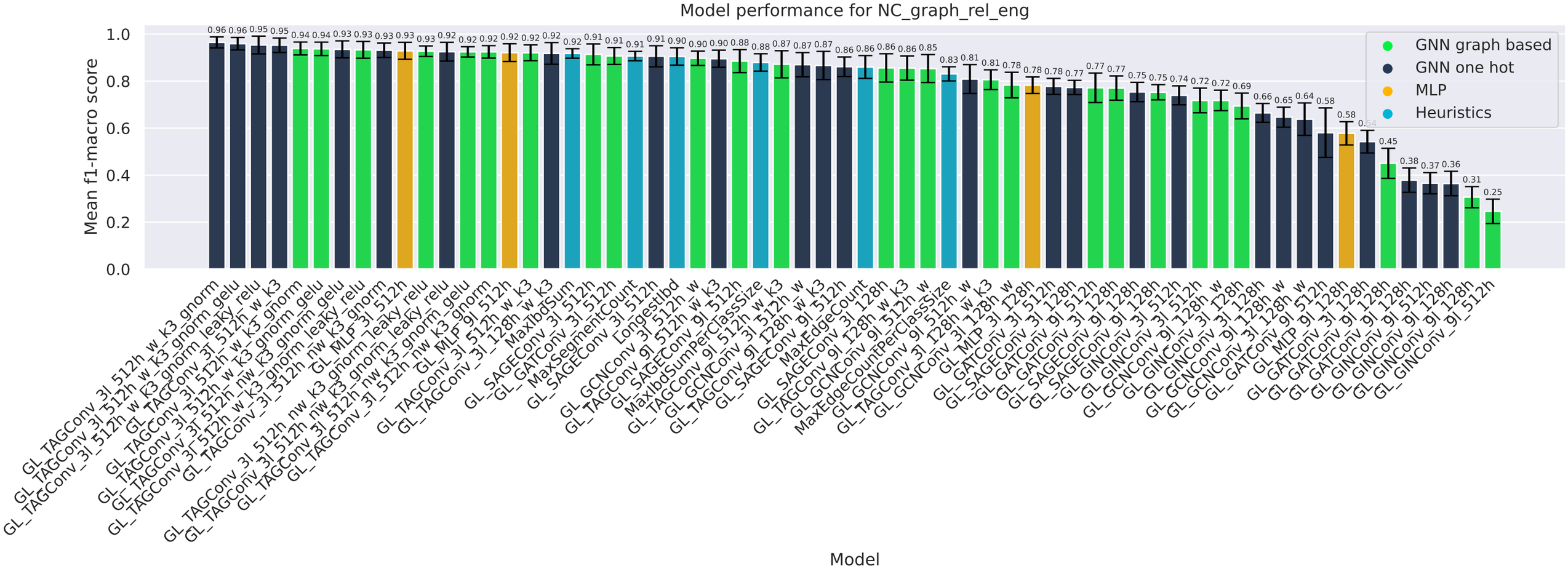
Model performance for NC_graph_rel_eng
Mean f1-macro score
1.0
0.8
0.6
0.4
0.2
0.0
GNN graph based
GNN one hot
MLP
Heuristics
0.96 0.96 0.95 0.95 0.94 0.94 0.93 0.93 0.93 0.93 0.93 0.92 0.92 0.92 0.92 0.92 0.92 0.92 0.91 0.91 0.91 0.91 0.90 0.90 0.90 0.88 0.88 0.87 0.87 0.87 0.86 0.86 0.86 0.86 0.85 0.83 0.81 0.81 0.78 0.78 0.78 0.77 0.77 0.77 0.75 0.75 0.74 0.72 0.72 0.69 0.66 0.65 0.64 0.58 0.58 0.54 0.45 0.38 0.37 0.36 0.31 0.25
GL_TAGConv_3l_512h_w_k3_gnorm
GL_TAGConv_3l_512h_w_k3_gnorm_gelu
GL_TAGConv_3l_512h_w_k3_gnorm_leaky_relu
GL_TAGConv_3l_512h_w_k3
GL_TAGConv_3l_512h_w_k3_gnorm
GL_TAGConv_3l_512h_w_k3_gnorm_gelu
GL_TAGConv_3l_512h_w_k3_gnorm_leaky_relu
GL_TAGConv_3l_512h_nw_k3_gnorm
GL_MLP_3l_512h
GL_TAGConv_3l_512h_nw_k3_gnorm_leaky_relu
GL_TAGConv_3l_512h_nw_k3_gnorm_gelu
GL_TAGConv_3l_512h_nw_k3_gnorm_gelu
GL_TAGConv_3l_512h_nw_k3_gnorm_leaky_relu
GL_TAGConv_3l_512h_nw_k3_gnorm_leaky_relu
GL_MLP_9l_512h
GL_TAGConv_3l_512h_w_k3
GL_TAGConv_3l_512h_w_k3
GL_TAGConv_3l_128h_w_k3
MaxIbdSum
GL_TAGConv_3l_512h
GL_SAGEConv_3l_512h
GL_GATConv_3l_512h
MaxSegmentCount
GL_SAGEConv_3l_512h
LongestIbd
GL_GCNConv_9l_512h
GL_TAGConv_3l_512h_w
GL_SAGEConv_9l_512h
MaxIbdSumPerClassSize
GL_TAGConv_9l_512h_w_k3
GL_GCNConv_3l_512h_w_k3
GL_TAGConv_9l_128h_w_k3
GL_SAGEConv_9l_128h
MaxEdgeCount
GL_SAGEConv_3l_128h
GL_TAGConv_9l_512h_w
GL_GCNConv_9l_512h
MaxEdgeCountPerClassSize
GL_GCNConv_9l_512h_w
GL_TAGConv_3l_128h_w_k3
GL_GCNConv_3l_128h_w
GL_MLP_3l_128h
GL_GATConv_3l_512h
GL_SAGEConv_3l_512h
GL_GATConv_3l_128h
GL_GATConv_9l_512h
GL_SAGEConv_3l_128h
GL_SAGEConv_9l_128h
GL_GINConv_3l_128h
GL_GINConv_3l_512h
GL_GINConv_9l_128h
GL_GCNConv_3l_128h
GL_GCNConv_9l_128h
GL_GCNConv_3l_128h_w
GL_GATConv_9l_512h
GL_MLP_9l_128h
GL_GATConv_3l_128h
GL_GATConv_9l_128h
GL_GINConv_9l_512h
GL_GINConv_9l_128h
GL_GINConv_9l_512h
GL_GINConv_9l_128h
GL_GINConv_9l_512h
Model