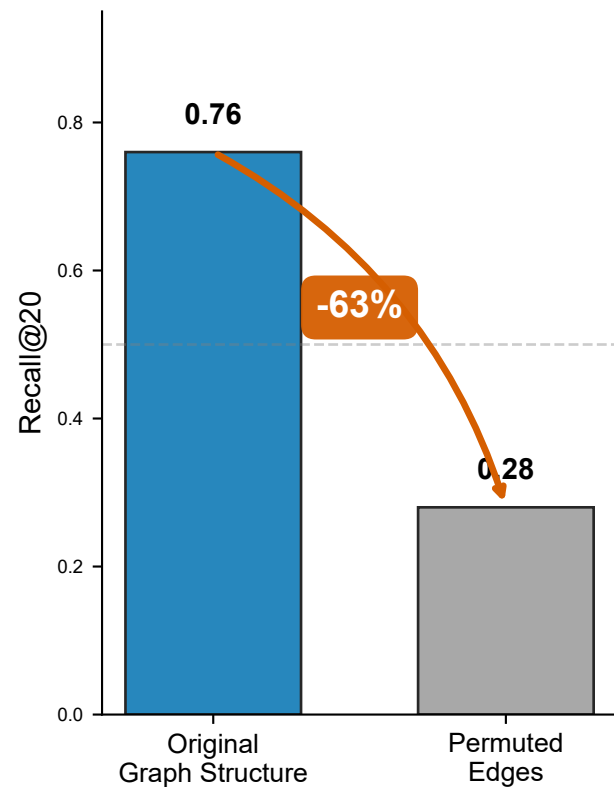
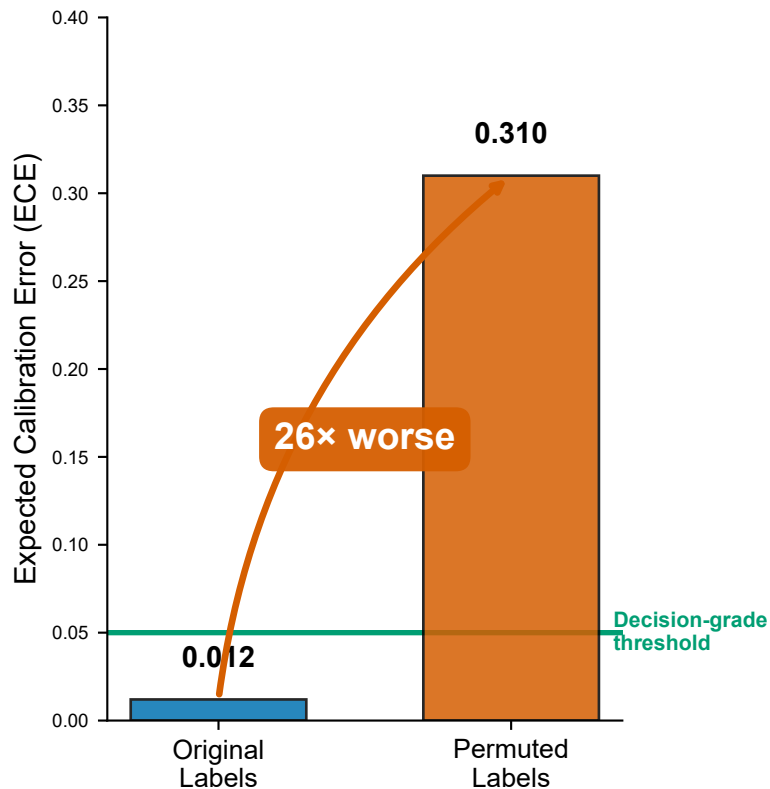


**a** Edge Permutation Control**b** Label Permutation Control

**Conclusion:** Performance depends on biological structure, not memorization of graph topology

*Performance collapses when biological connections are randomized*

*Calibration destroyed when gene-disease associations are randomized*