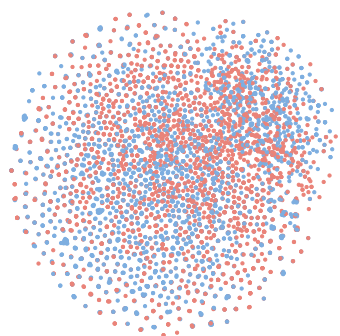


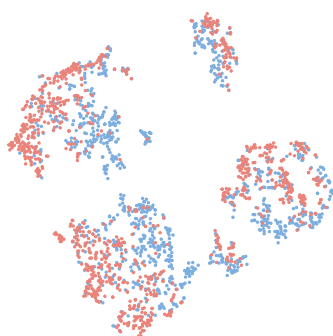
**a**

● Positive Nodes

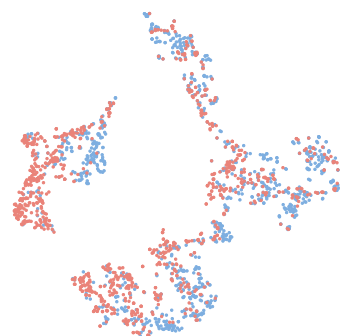
● Negative Nodes



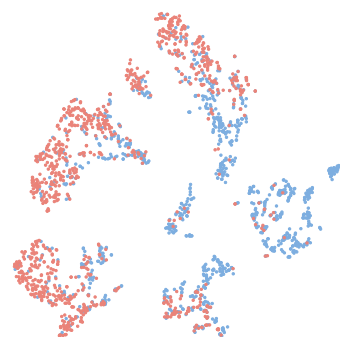
a(i) initial status



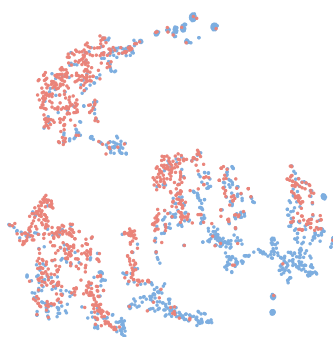
a(ii) drug-chemical prediction



a(iii) drug-side effect prediction



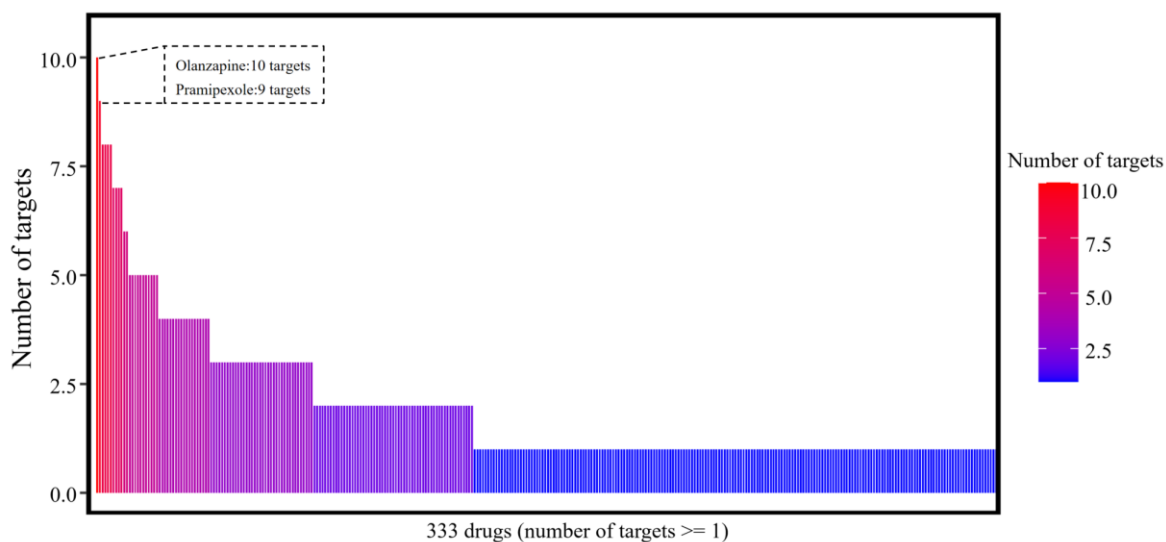
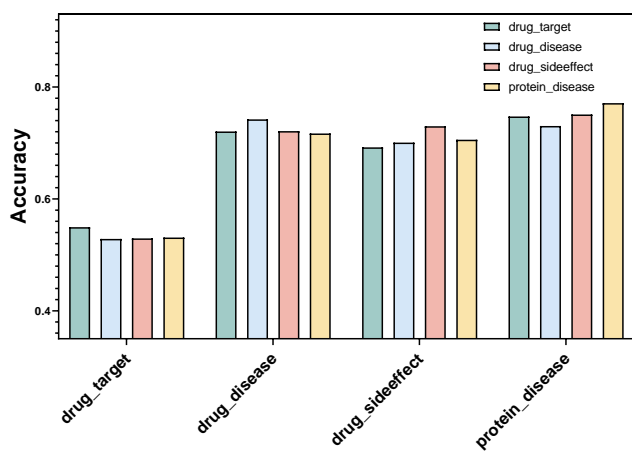
a(iv) drug-substituent prediction



a(v) drug-target prediction



a(vi) target-go prediction

**b****c****d**