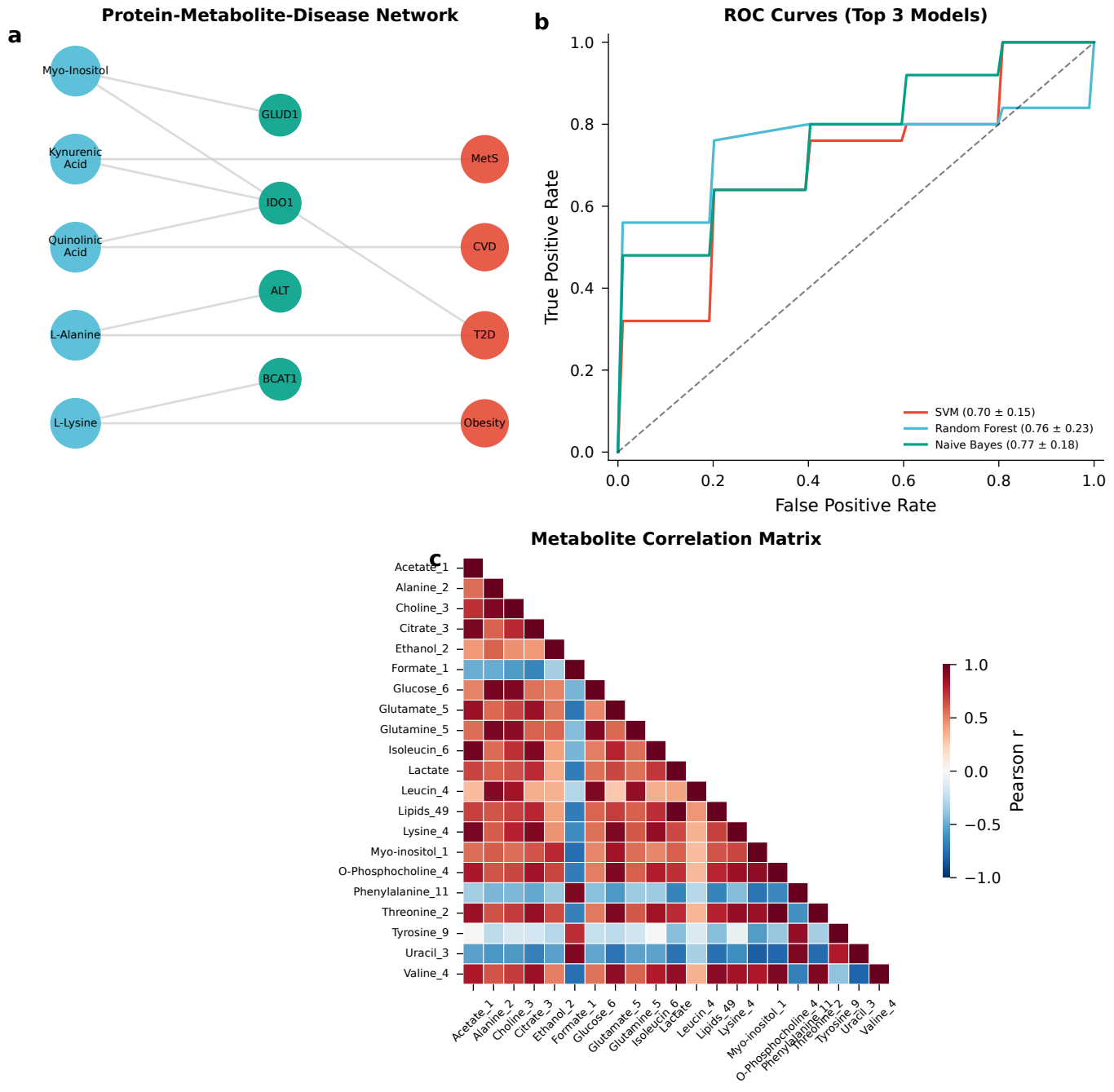
a
Protein-Metabolite-Disease Network
Myo-Inositol
Kynurenic Acid
Quinolinic Acid
L-Alanine
L-Lysine
GLUD1
IDO1
ALT
BCAT1
MetS
CVD
T2D
Obesity
b
ROC Curves (Top 3 Models)
True Positive Rate
False Positive Rate
SVM (0.70 ± 0.15)
Random Forest (0.76 ± 0.23)
Naive Bayes (0.77 ± 0.18)
c
Metabolite Correlation Matrix
Pearson r
Acetate_1
Alanine_2
Choline_3
Citrate_3
Ethanol_2
Formate_1
Glucose_6
Glutamate_5
Glutamine_5
Isoleucin_6
Lactate
Leucin_4
Lipids_49
Lysine_4
Myo-inositol_1
O-Phosphocholine_4
Phenylalanine_11
Threonine_2
Tyrosine_9
Uracil_3
Valine_4