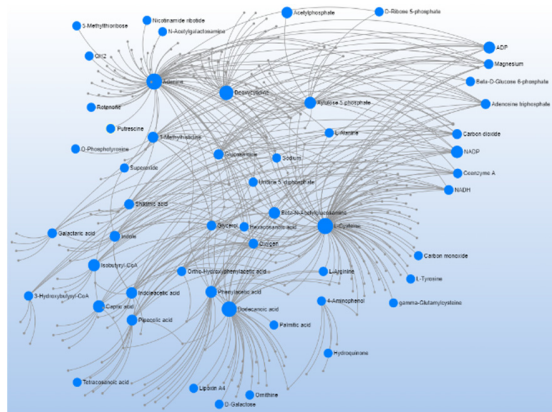
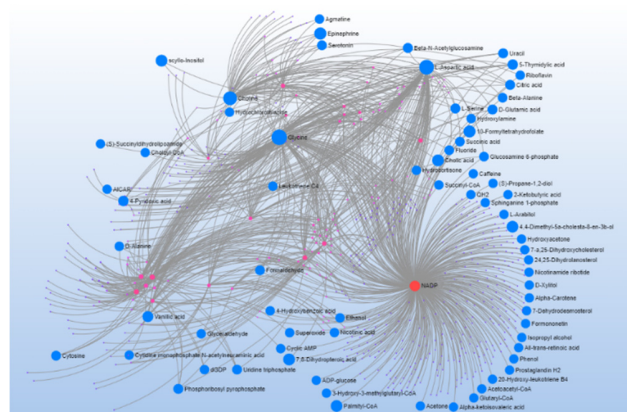


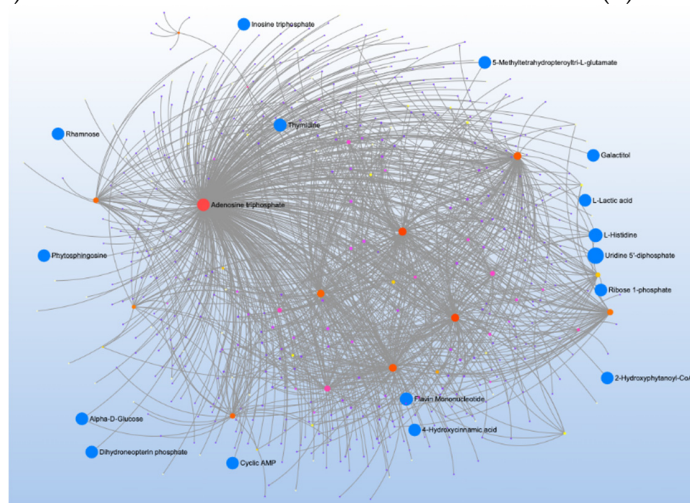
Figure S1. Data Normalization for Individual Features.



(A) ASD

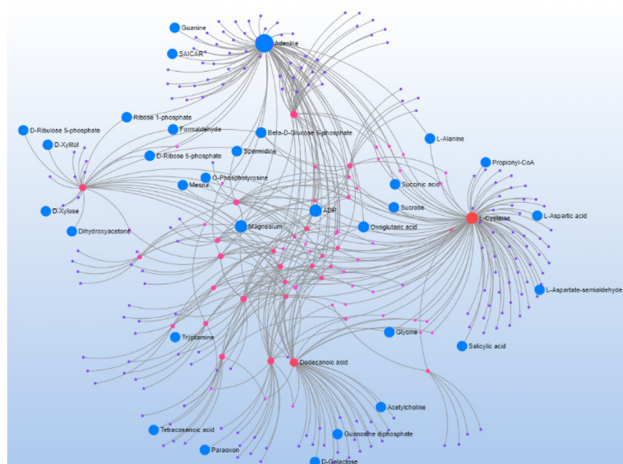


(B) EPI

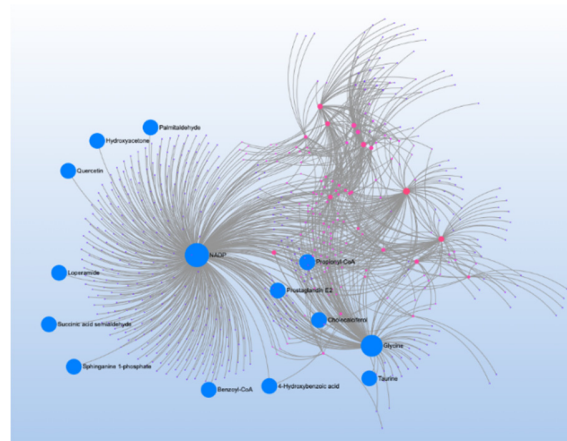


(C) DD

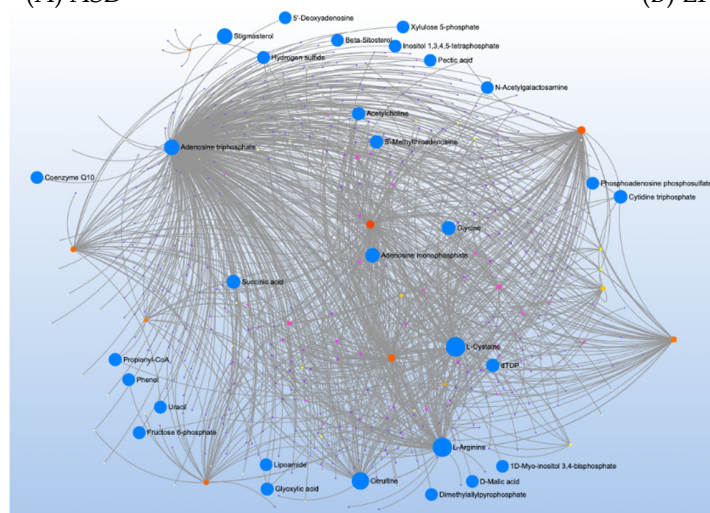
Figure S2. Neurotransmitter Pathways for Metabolite-Metabolite Interaction Networks for (a) ASD, (b) Epilepsy and (c) DD.



(A) ASD

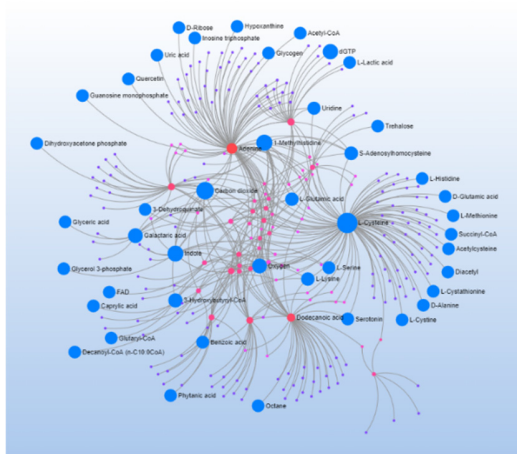


(B) EPI

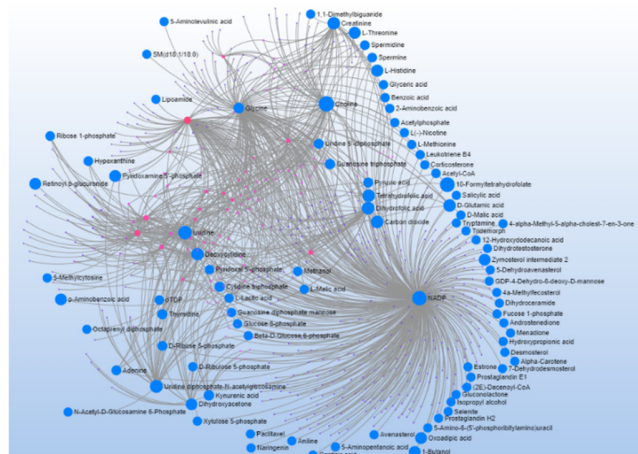


(C) DD

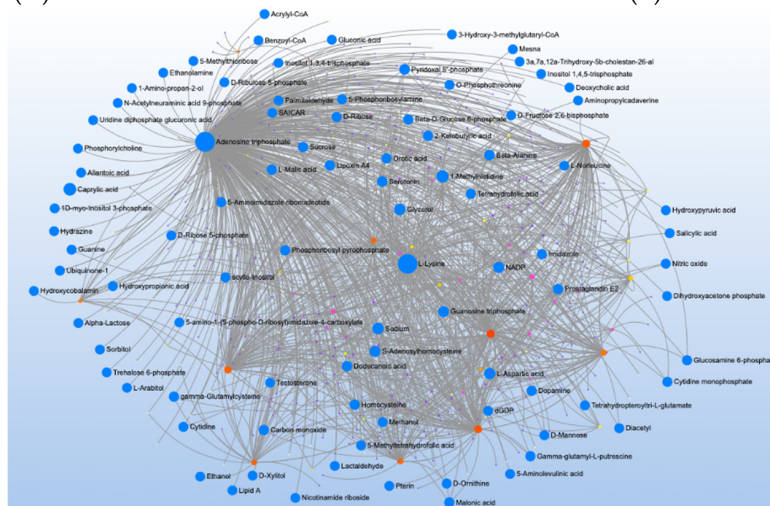
Figure S3. Redox Pathways for Metabolite-Metabolite Interaction Networks for (a) ASD, (b) Epilepsy and (c) DD.



(A) ASD



(B) EPI



(C) DD

Figure S4. Nucleotide Pathways for Metabolite-Metabolite Interaction Networks for (a) ASD, (b) Epilepsy and (c) DD.

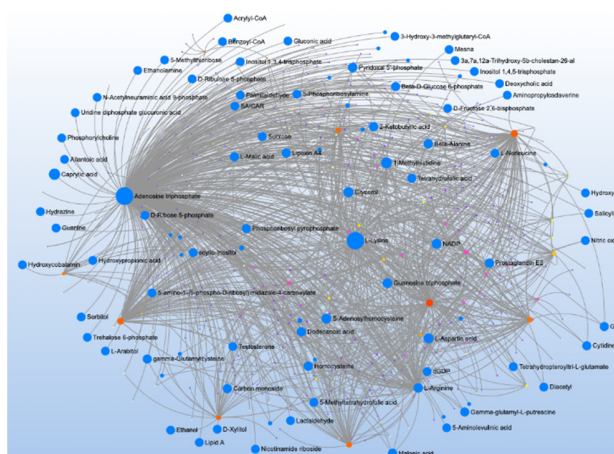
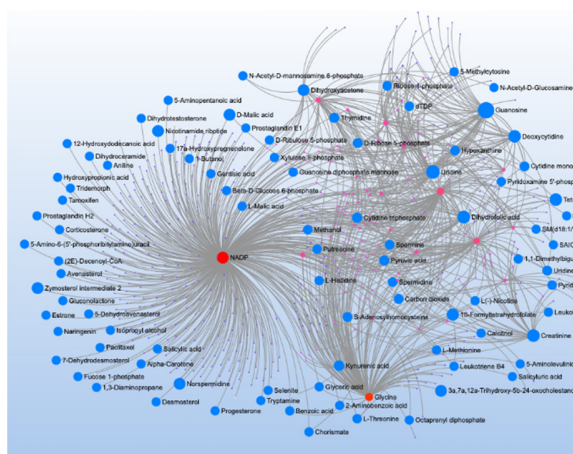
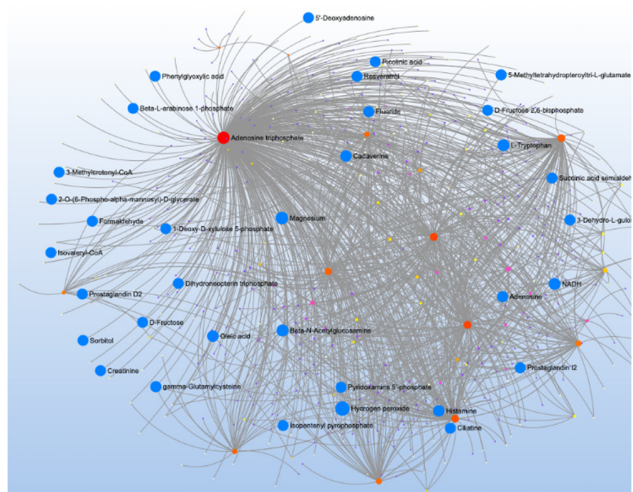
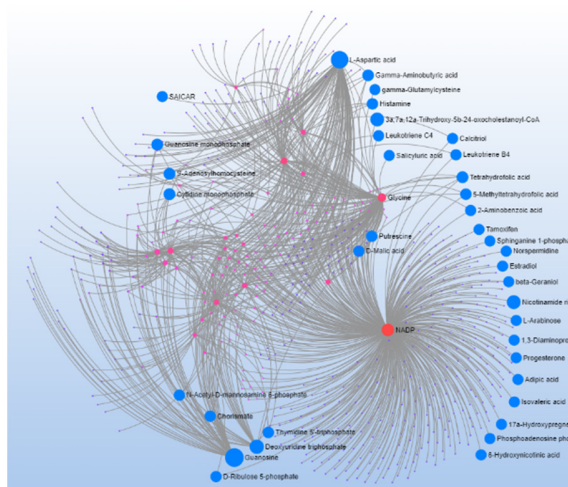
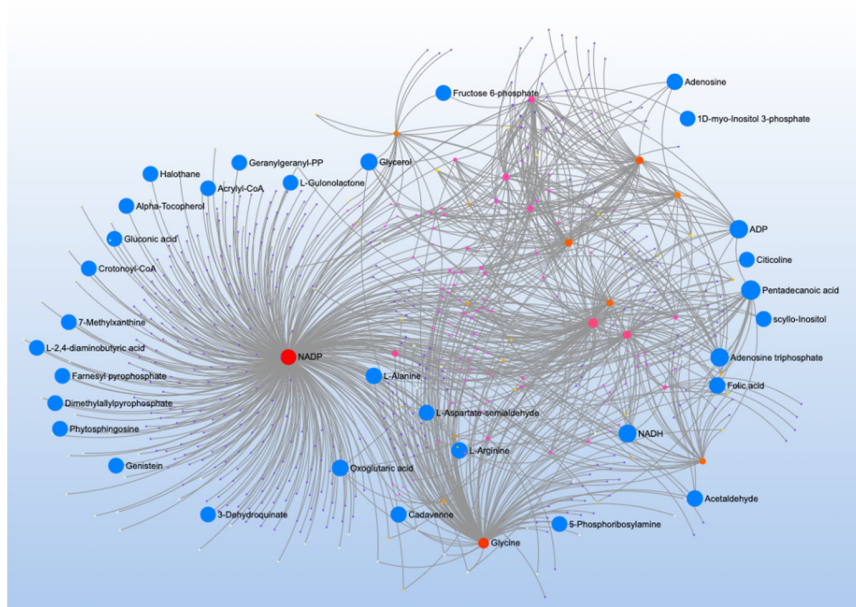


Figure S5. One-Carbon Metabolism Pathways for Metabolite-Metabolite Interaction Networks for (a) Epilepsy and (b) DD.



(A) EPI (B) DD

Figure S6. Vitamin Pathways for Metabolite-Metabolite Interaction Networks for (a) Epilepsy and (b) DD.



(A) EPI

Figure S7. Lipid Pathways for Metabolite-Metabolite Interaction Networks for (b) Epilepsy.