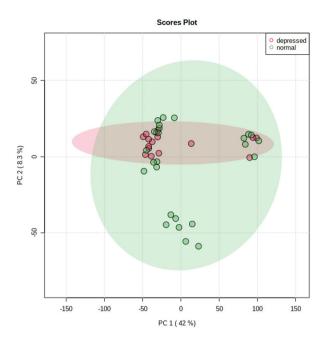
## PRECISION AND FUTURE MEDICINE

Signatory metabolomics biomarkers of SAD



Supplementary Fig. 3. Unsupervised principal component analysis (PCA) plot of metabolite profiles from serum samples. The PCA was performed on normalized peak areas of metabolites across 38 samples between the depressed and normal groups.