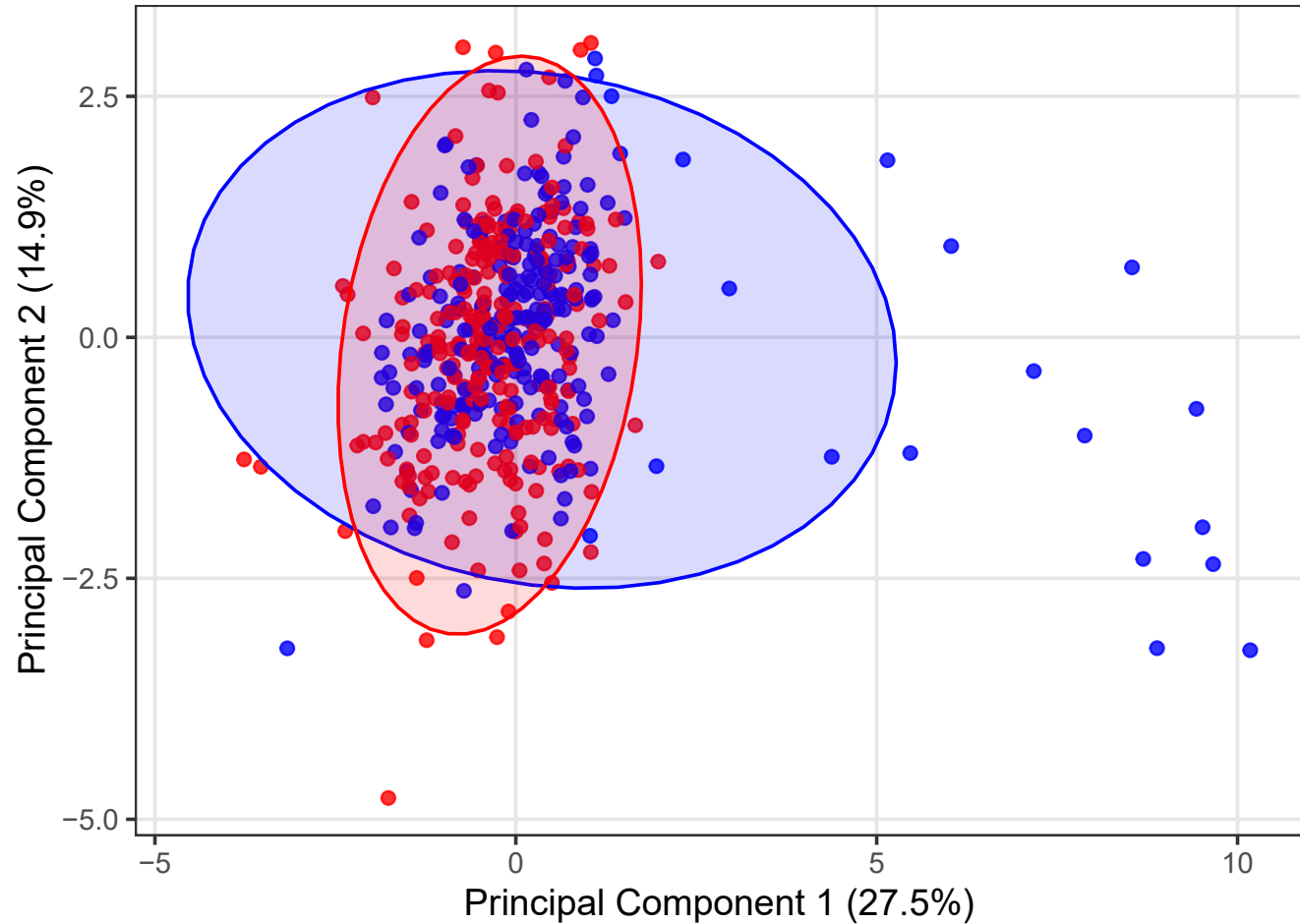


PCA of 9-Gene Lactylation Signature

Low High



Supplementary Figure S3. Principal component analysis (PCA) of the 9-gene signature in the TCGA-COAD cohort. The scatter plot shows the distribution of high-risk (red) and low-risk (blue) groups. PC1 and PC2 account for 27.5% and 14.9% of the variance, respectively. Shaded areas represent 95% confidence intervals, showing overlapping distributions between the two groups.