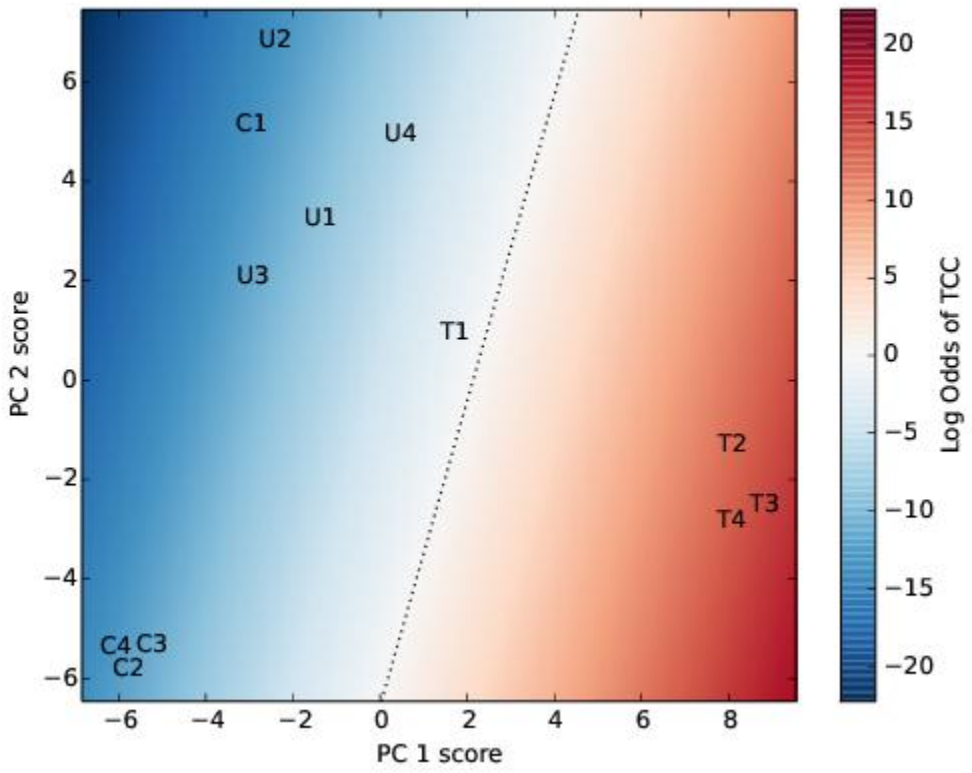Figure 4: Principal component analysis and linear discriminant analysis of the preliminary data