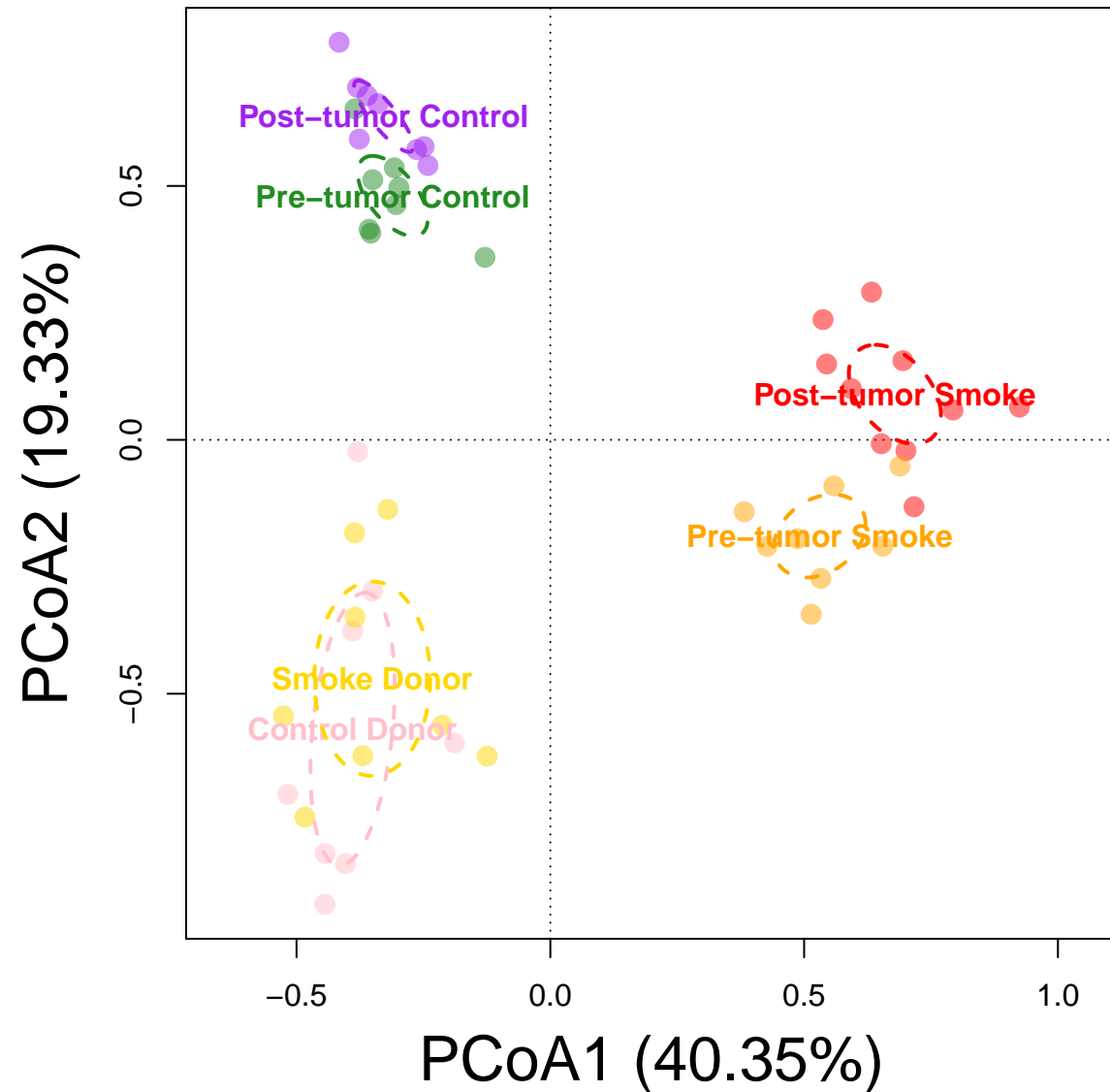


**Genus Bray–Curtis dissimilarity**  
**PERMANOVA p = 0.001**



Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$

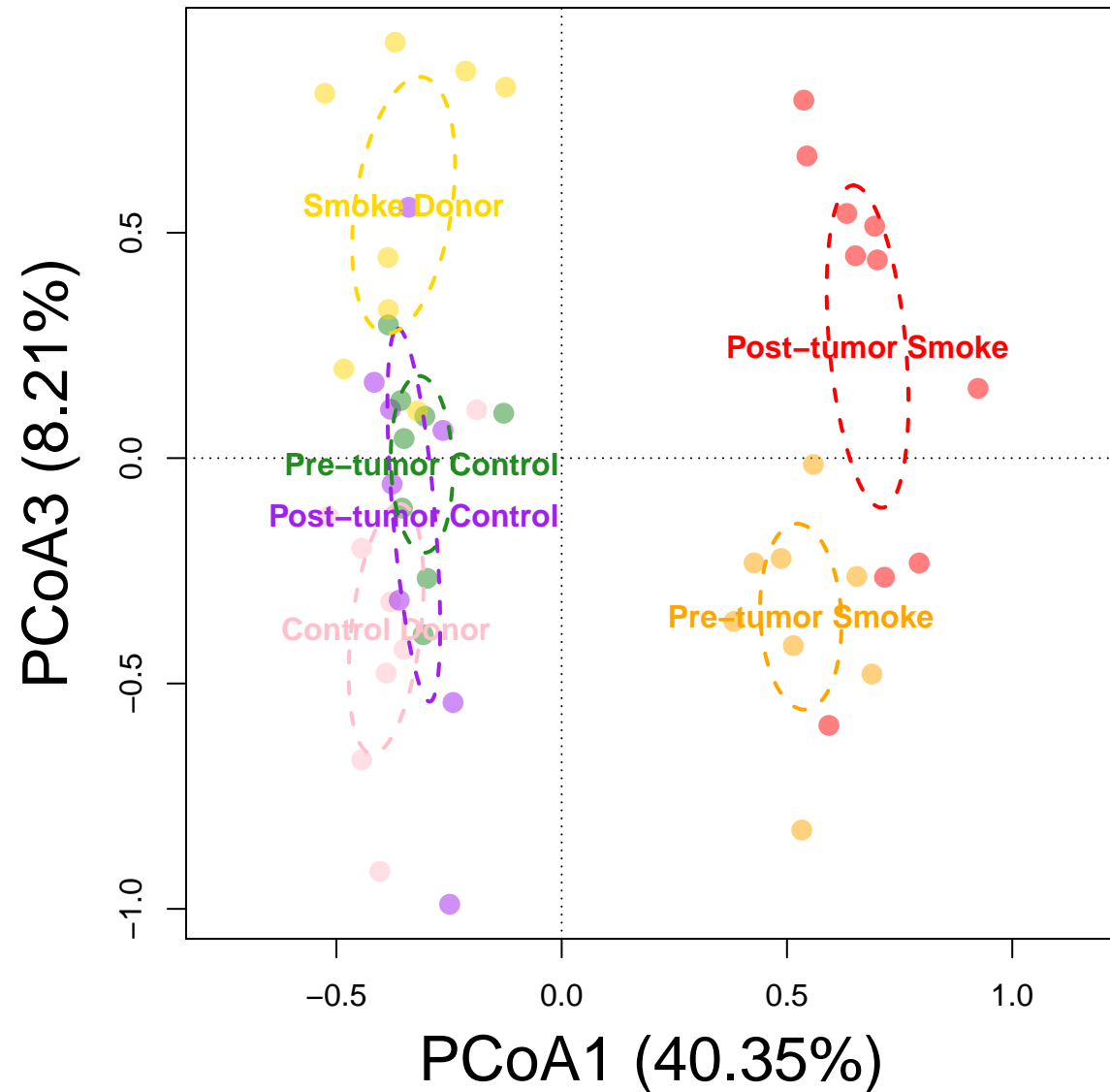


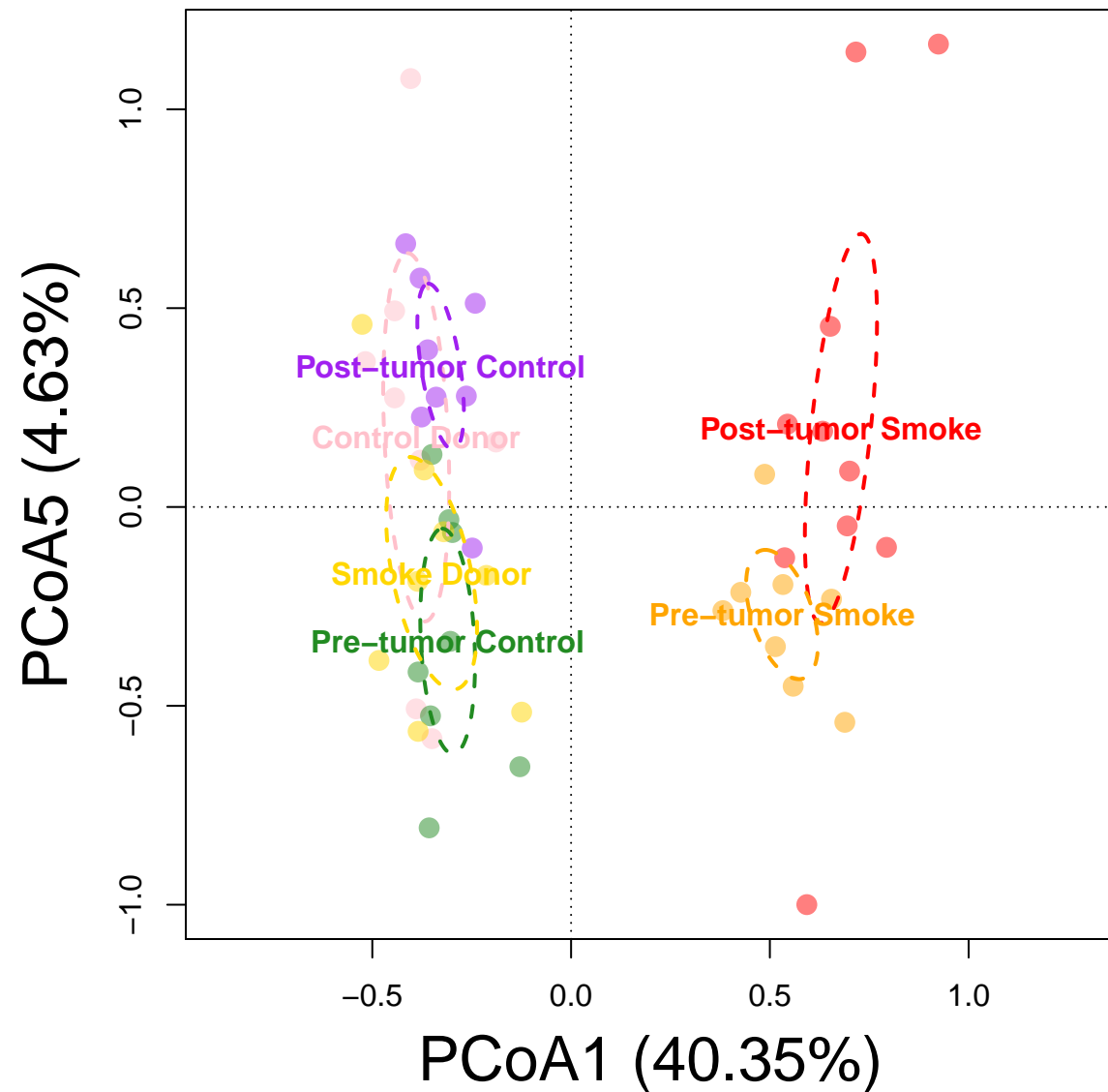
Figure 1 is a scatter plot showing the first two principal components (PC1 and PC2) for 100 samples. The x-axis represents PC1, ranging from -1.0 to 1.0, and the y-axis represents PC2, ranging from -1.0 to 1.0. The plot displays four main clusters of samples, each outlined by a dashed ellipse and labeled with text:

- Smoke Donor** (Yellow): Located in the upper left quadrant, centered around PC1 = -0.5 and PC2 = 0.5.
- Post-tumor Control** (Purple): Located in the upper left quadrant, centered around PC1 = -0.3 and PC2 = 0.3.
- Pre-tumor Control** (Green): Located in the lower left quadrant, centered around PC1 = -0.3 and PC2 = -0.3.
- Pre-tumor Smoke** (Orange): Located in the center-right area, centered around PC1 = 0.5 and PC2 = 0.0.
- Post-tumor Smoke** (Red): Located in the center-right area, centered around PC1 = 0.7 and PC2 = 0.0.

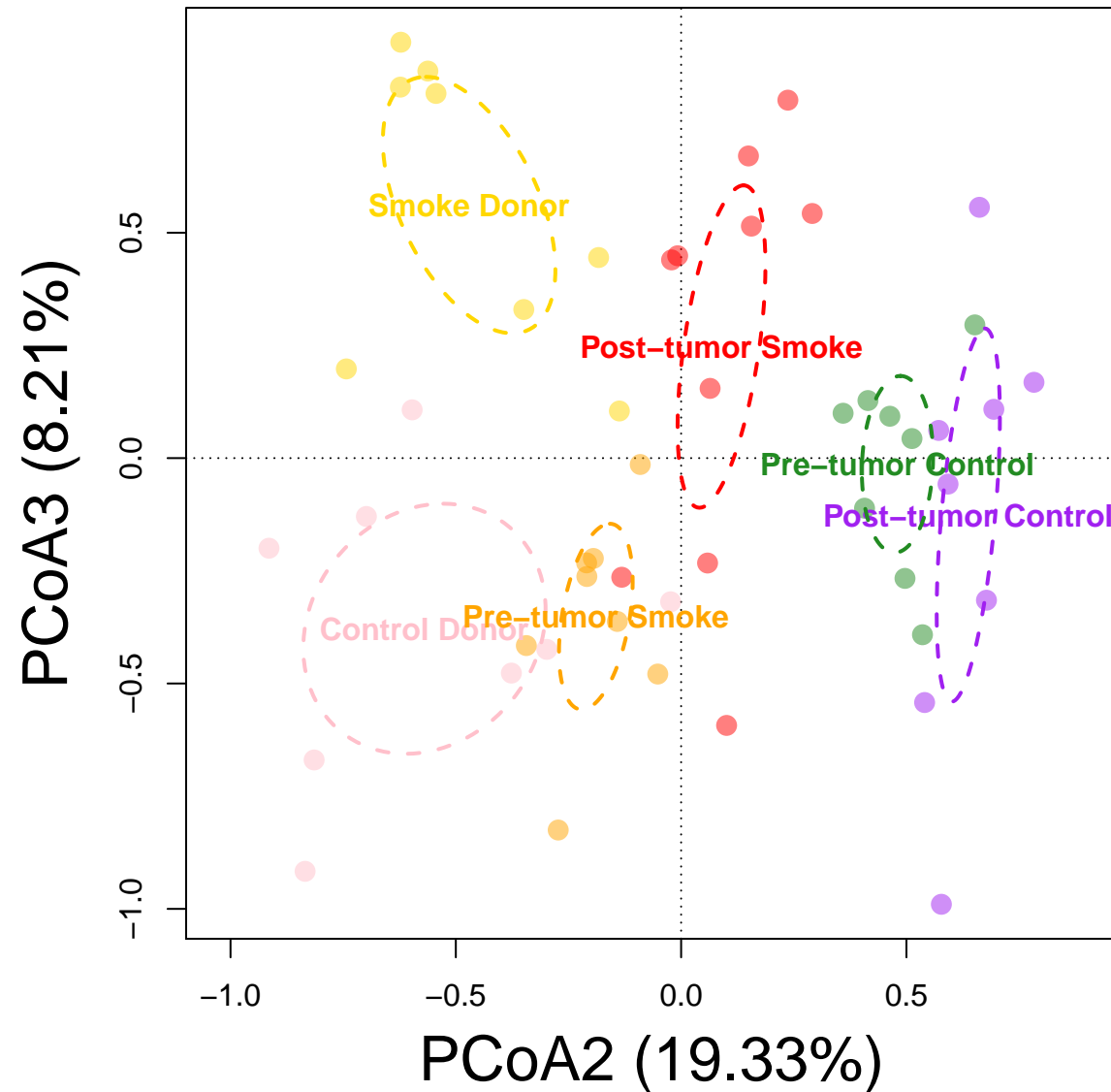
The plot also includes a horizontal dotted line at PC2 = 0 and a vertical dotted line at PC1 = 0. The labels for the clusters are placed near their respective ellipses.

PCoA1 (40.35%)

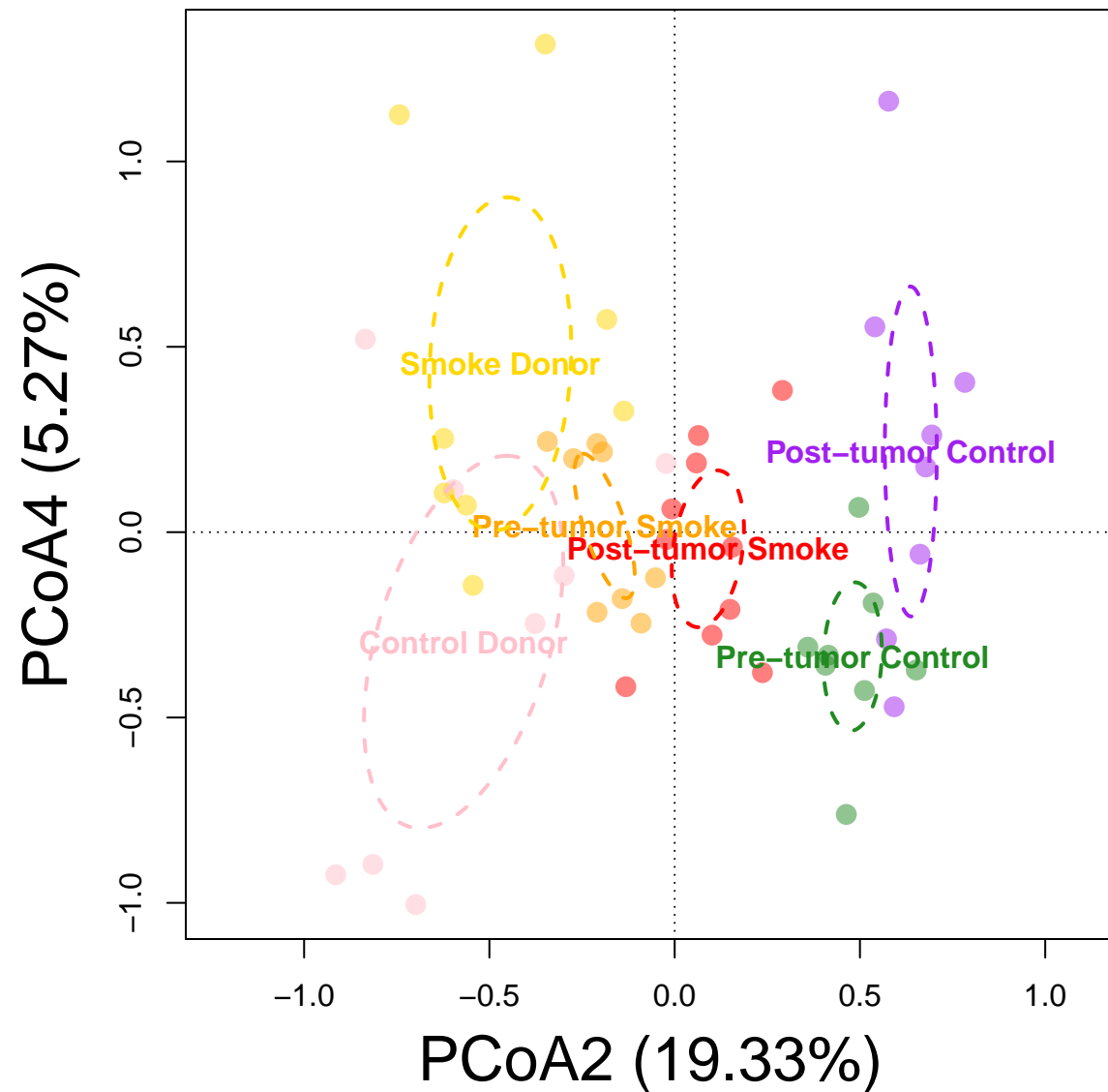
Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$



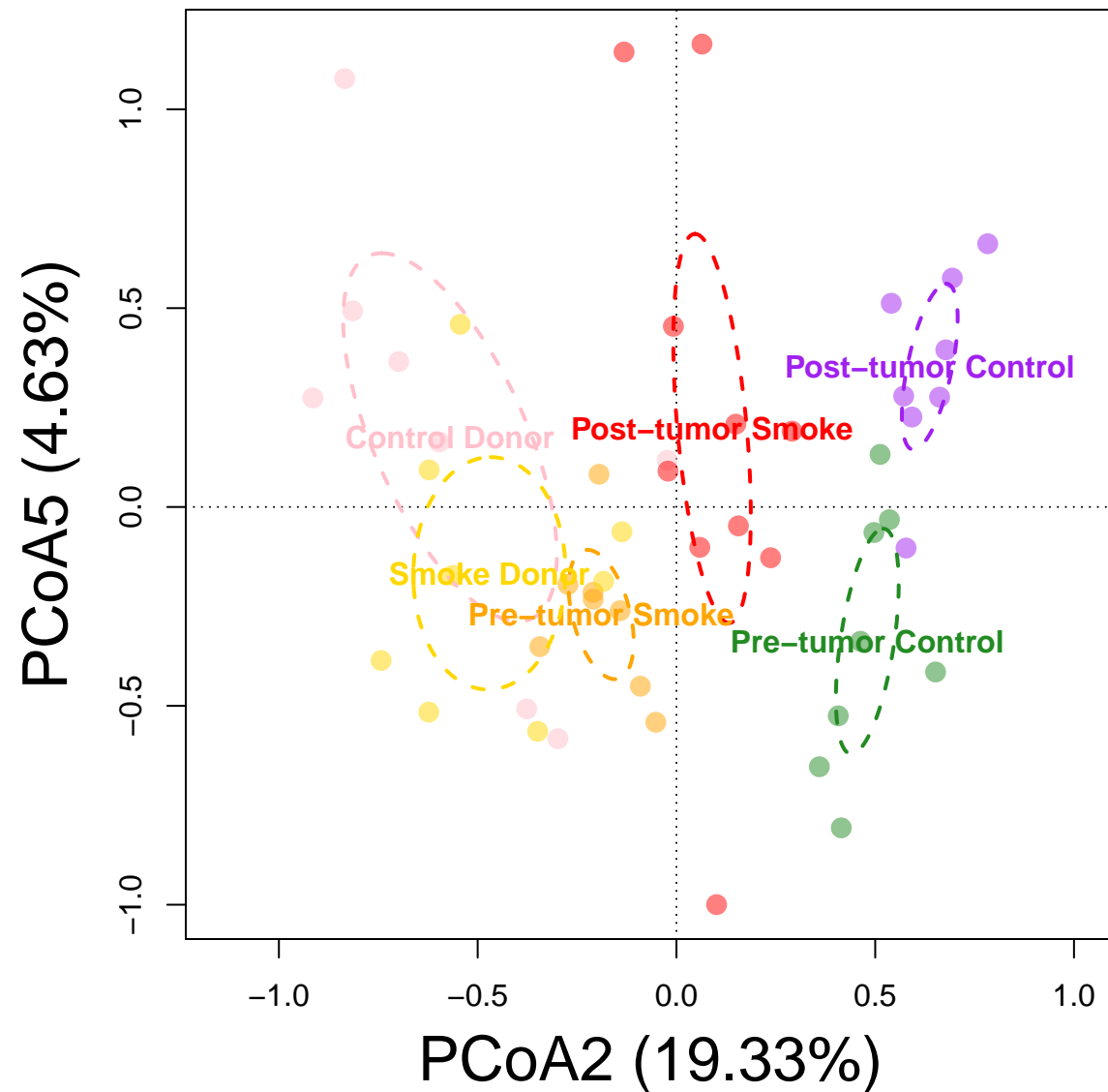
Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$



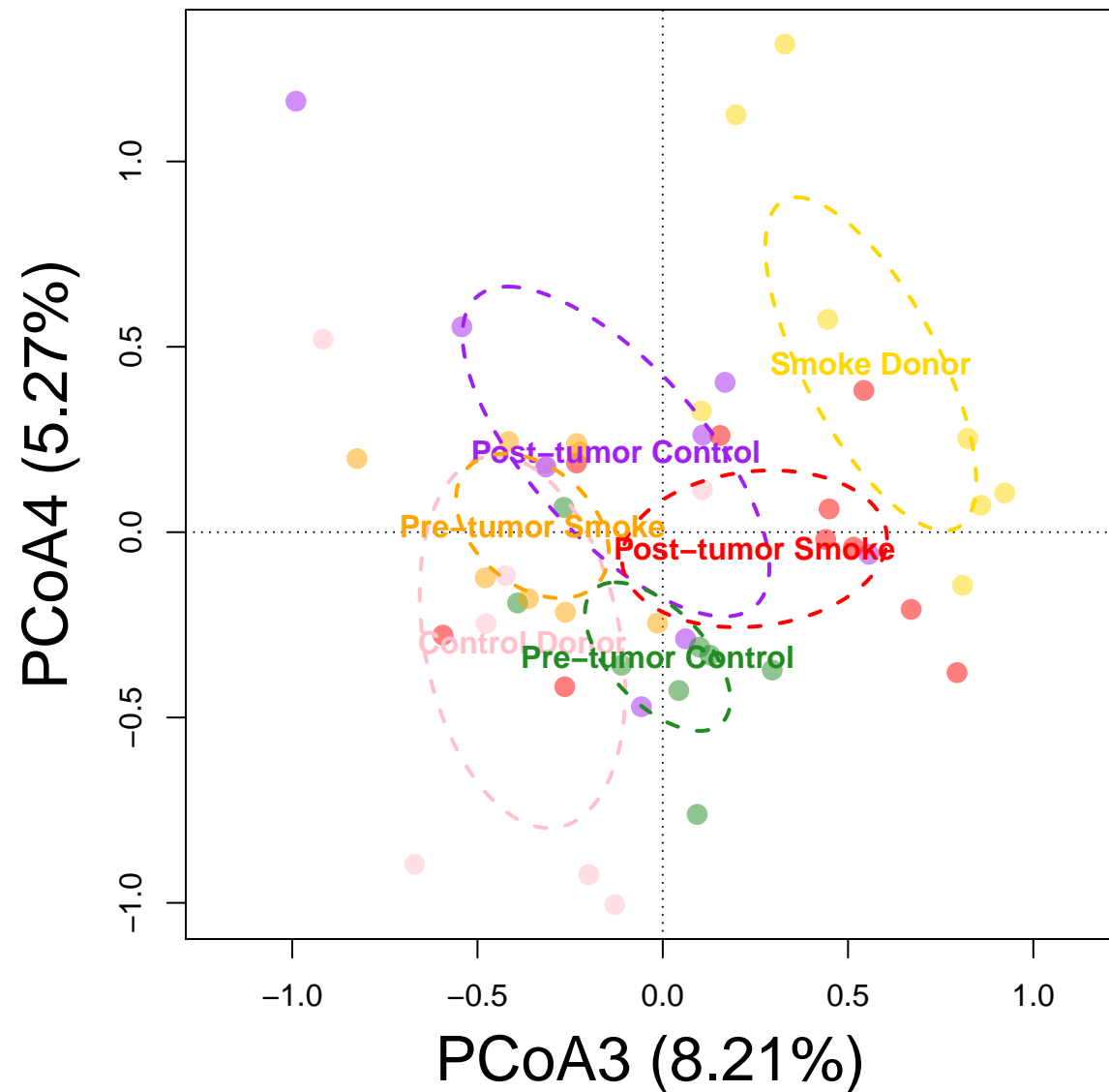
Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$



Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$

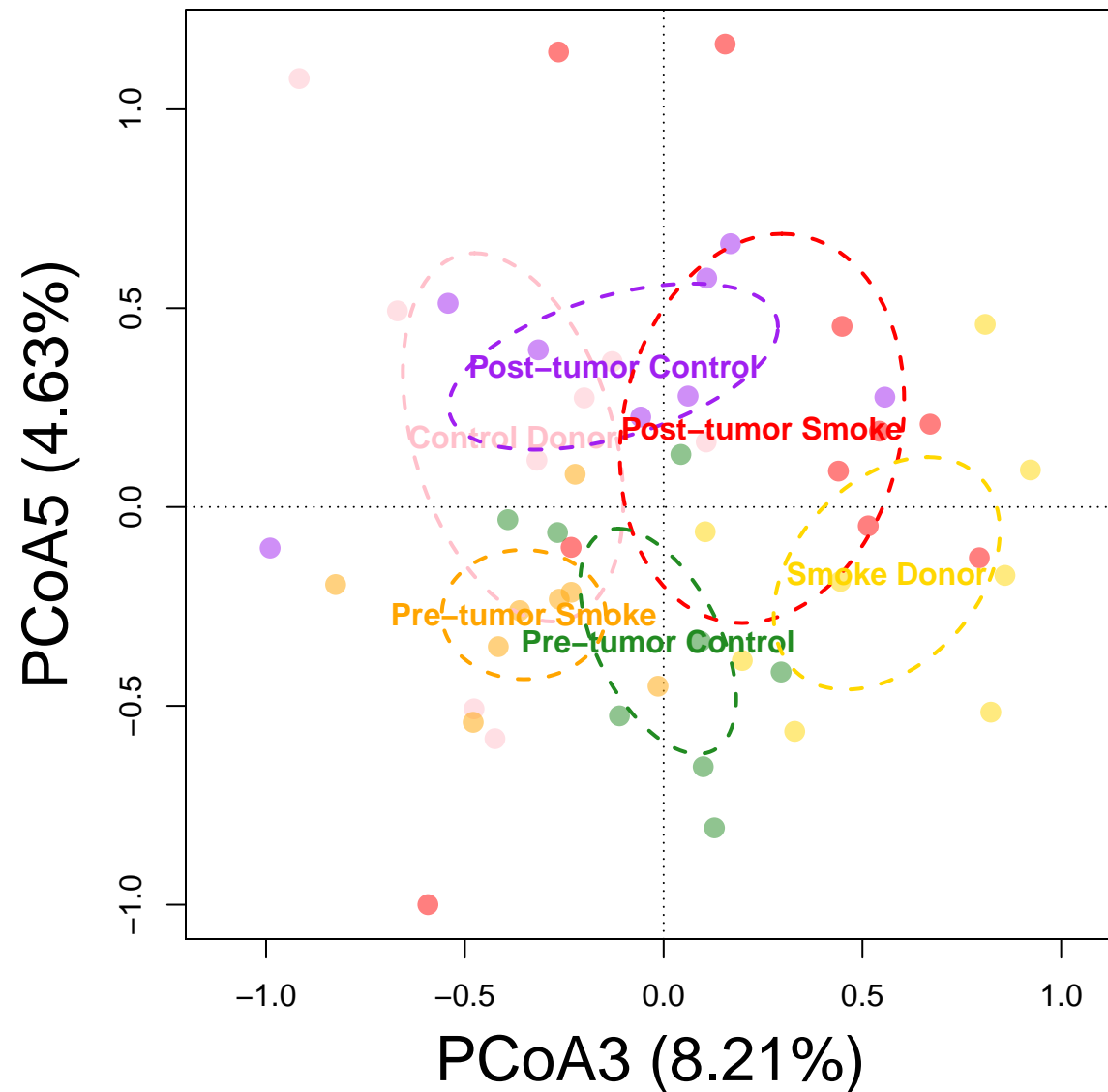


Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$





Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$



Genus Bray–Curtis dissimilarity  
PERMANOVA  $p = 0.001$

