

PCA plot showing the first principal component (PC1) accounting for 19% of the variance. The x-axis is labeled "PC1: 19% variance" and ranges from -0.2 to 0.4. The y-axis is unlabeled. The plot displays 18 data points, each representing a protein variant, labeled with the protein name and variant type (e.g., PANRDC-03A-02R, PANKAK-09A-02R). The points are colored and shaped by variant type: red triangles for 02R, orange triangles for 03A, green triangles for 01R, blue circles for 01R, purple circles for 01R, and pink circles for 01R. The points are distributed across the plot, with some clustering and others isolated.

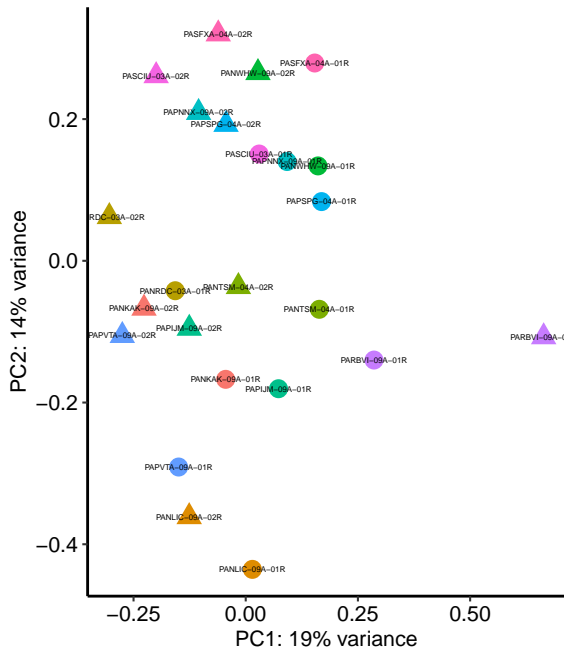
[illegible]

●

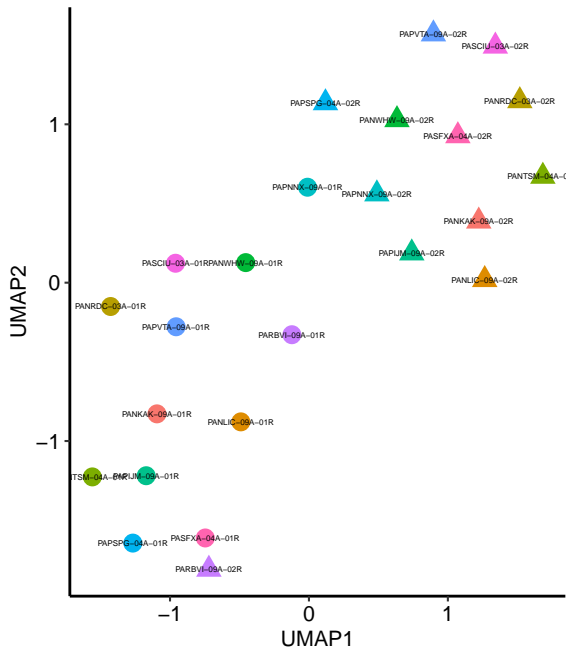
poly-A stranded

▲ stranded

PCA: RUVg output (k = 2)

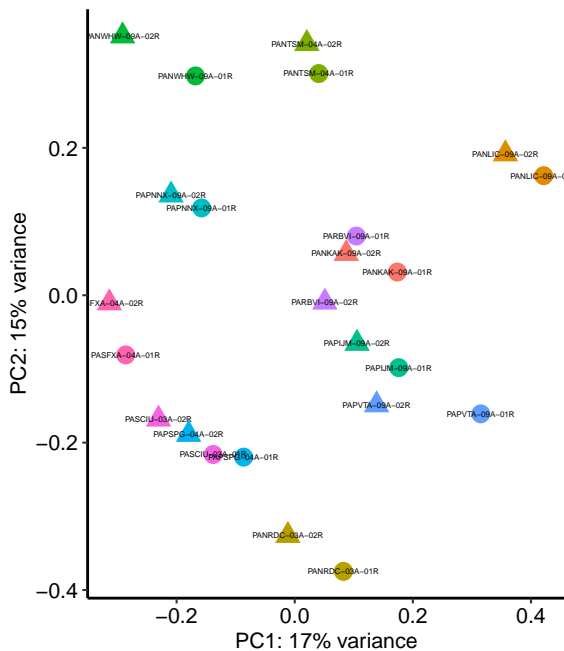


UMAP: RUVg output (k = 2)

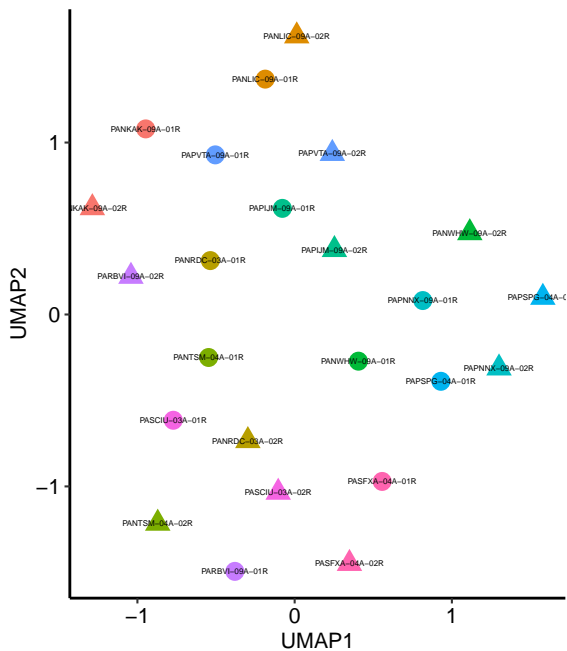


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output (k = 3)

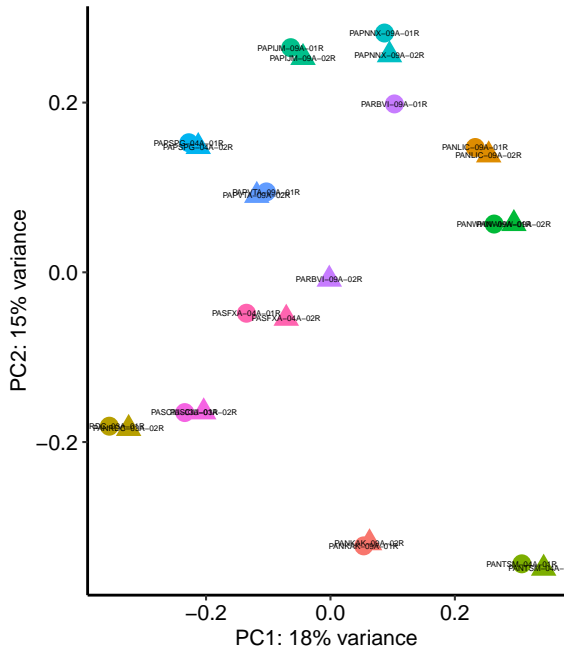


UMAP: RUVg output (k = 3)

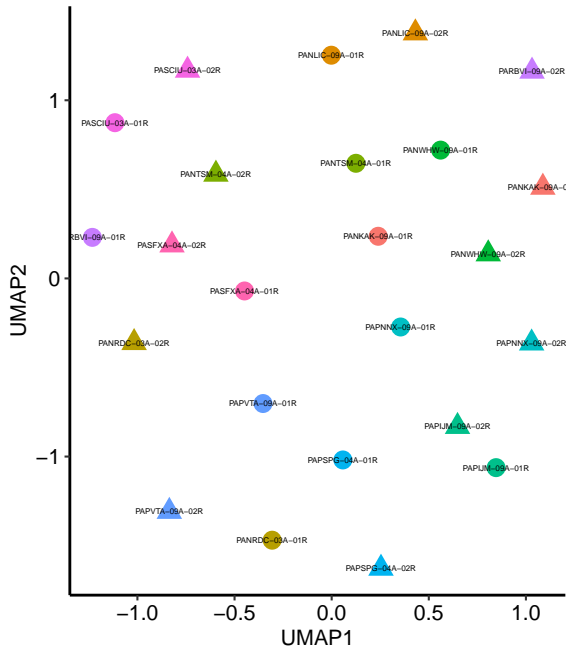


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output (k = 4)

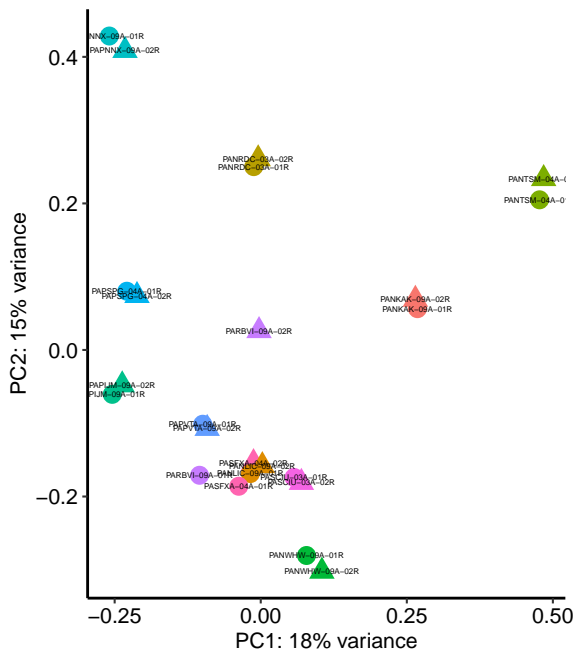


UMAP: RUVg output (k = 4)

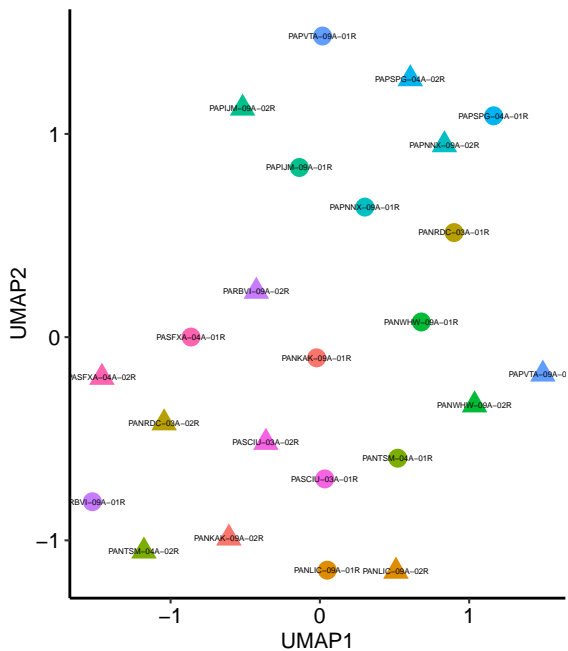


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output ($k = 5$)



UMAP: RUVg output ($k = 5$)



rna_library

- poly-A stranded

▲ stranded