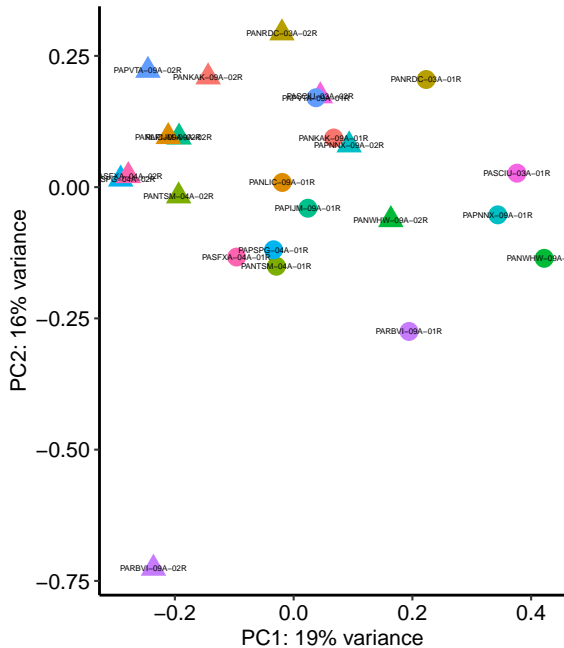
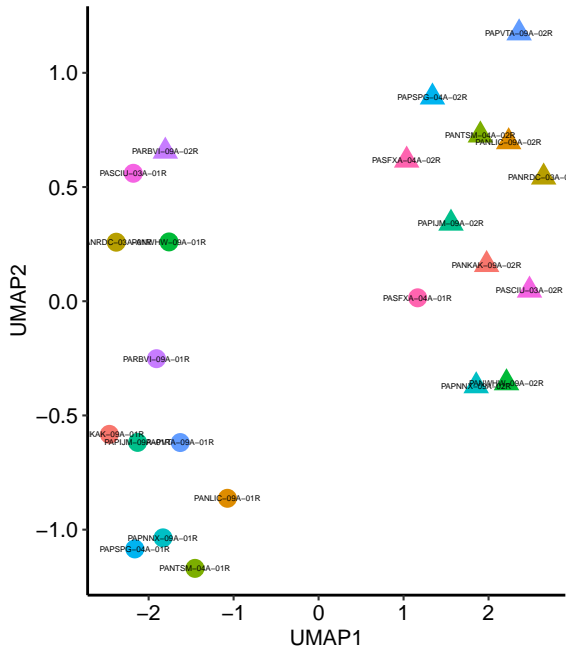


PCA: RUVg output ($k = 1$)

UMAP: RUVg output ($k = 1$)



rna_library ● poly-A stranded ▲ stranded

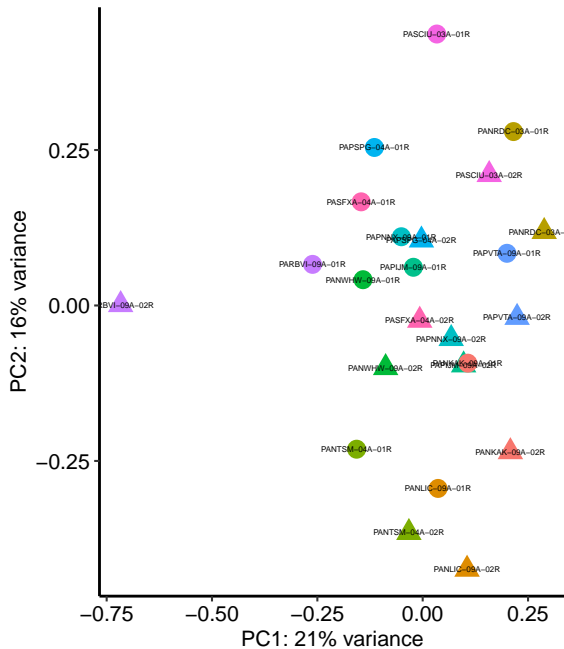
A PCA plot showing the first two principal components (PC1 and PC2) of protein variants. The x-axis is labeled "PC1: 19% variance" and ranges from -0.25 to 0.75. The y-axis is labeled "PC2: 16% variance" and ranges from -0.25 to 0.75. Data points are represented by colored circles and triangles, each labeled with a protein name and variant identifier. The labels include:

- PASCUI-03A-01R
- PASCUI-03A-02R
- PANWHV-09A-01R
- PANWHV-09A-02R
- PAPNNK-04A-01R
- PAPNNK-04A-02R
- PASFCU-04A-01R
- PANRDC-03A-01R
- PAPSPG-04A-01R
- PAPSPG-04A-02R
- RDC-03A-02R
- PARBVI-09A-01R
- PANTSU-09A-01R
- PAPVTA-09A-02R
- PANTSM-04A-02R
- PANKAK-09A-01R
- PAPVTA-09A-01R
- PAPVTA-09A-02R
- PANKAK-09A-02R
- PANLIC-09A-01R
- PANLIC-09A-02R
- PARBVI-09A-02R

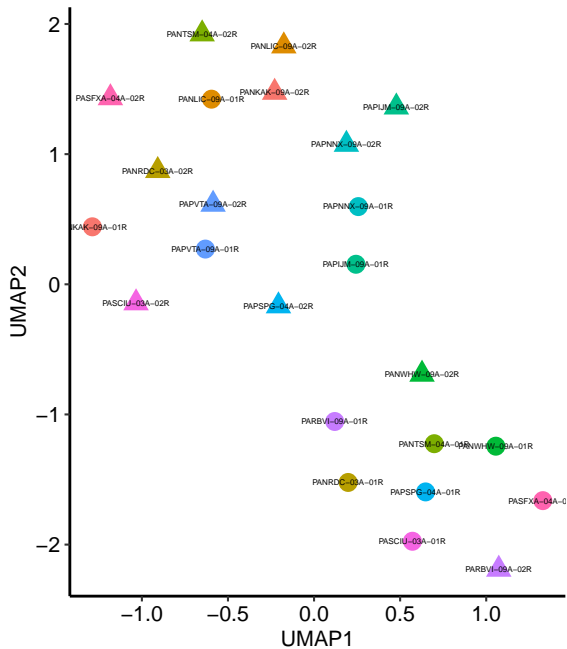
●

stranded

PCA: RUVg output (k = 3)

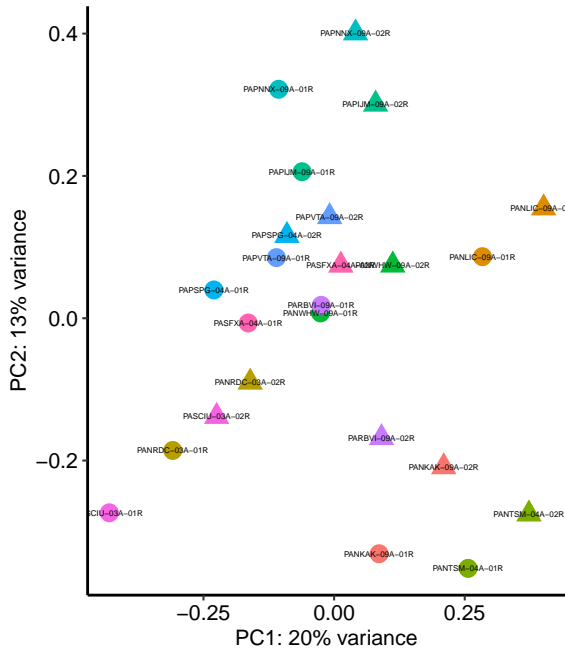


UMAP: RUVg output (k = 3)



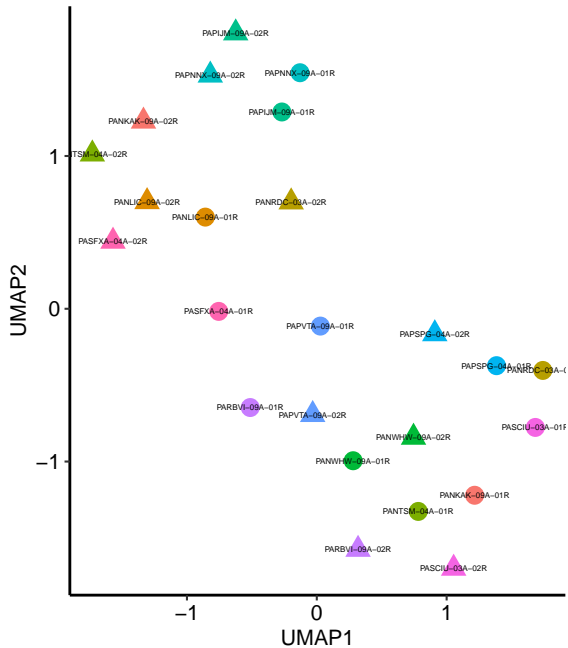
rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output ($k = 4$)

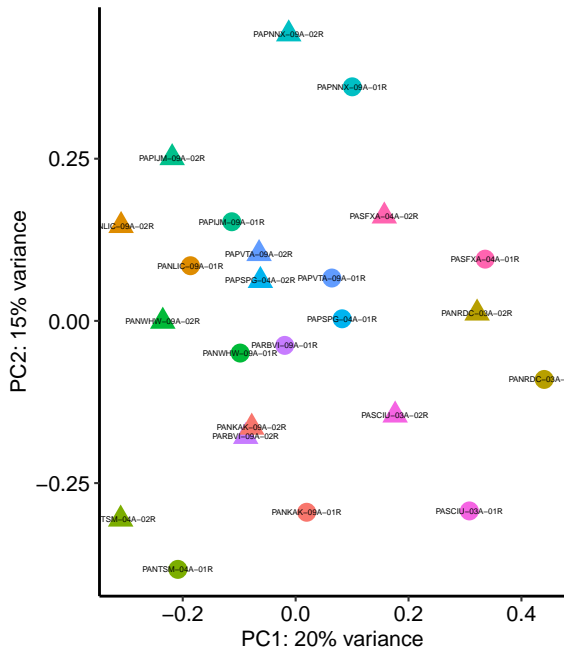


rna_library ● poly-A stranded ▲ stranded

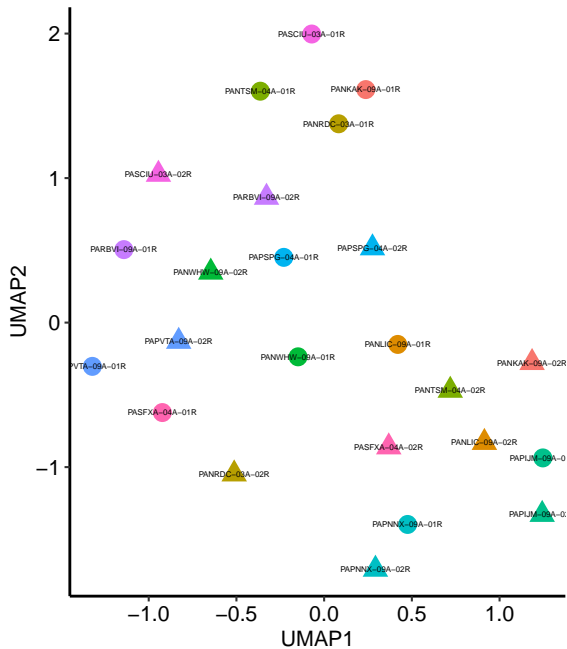
UMAP: RUVg output ($k = 4$)



PCA: RUVg output (k = 5)



UMAP: RUVg output (k = 5)



rna_library ● poly-A stranded ▲ stranded