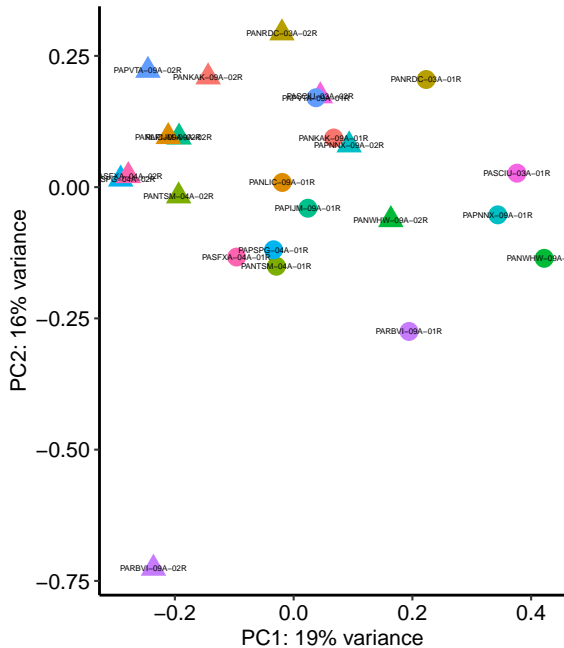
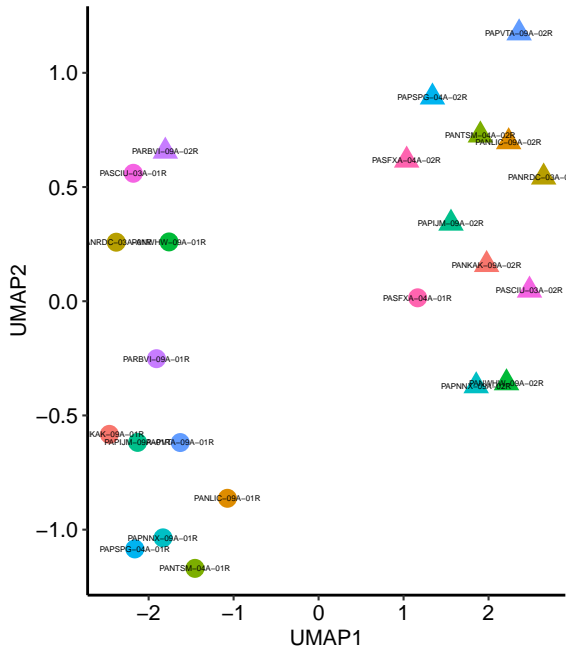


PCA: RUVg output (k = 1)



UMAP: RUVg output (k = 1)



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PCA plot showing PC1 (19% variance) on the x-axis and PC2 (12% variance) on the y-axis. The plot displays various P. aeruginosa strains, including PASCJU-03A-01R, PASCJU-03A-02R, PANWHY-03A-02R, PANNNY-03A-01R, PANNNY-03A-02R, PASFXY-04A-02R, PANDRC-03A-01R, PANDRC-03A-02R, PAPSFG-04A-02R, PAPSPG-04A-01R, PAREVI-09A-01R, PANTSU-04A-01R, PANTSU-04A-02R, PAPVTA-09A-02R, PANKAK-09A-01R, PANKAK-09A-02R, PANLIC-09A-01R, PANLIC-09A-02R, and PAREVI-09A-02R. The strains are represented by colored circles and triangles, indicating different groups or conditions.

●

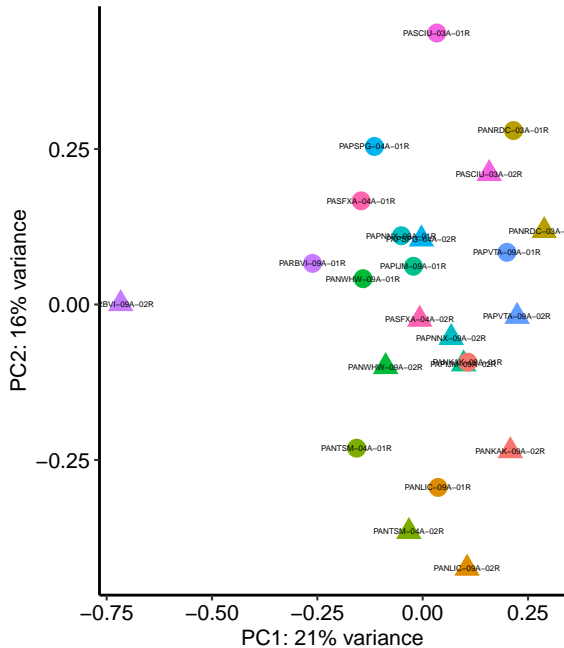
UMAP2

UMAP1

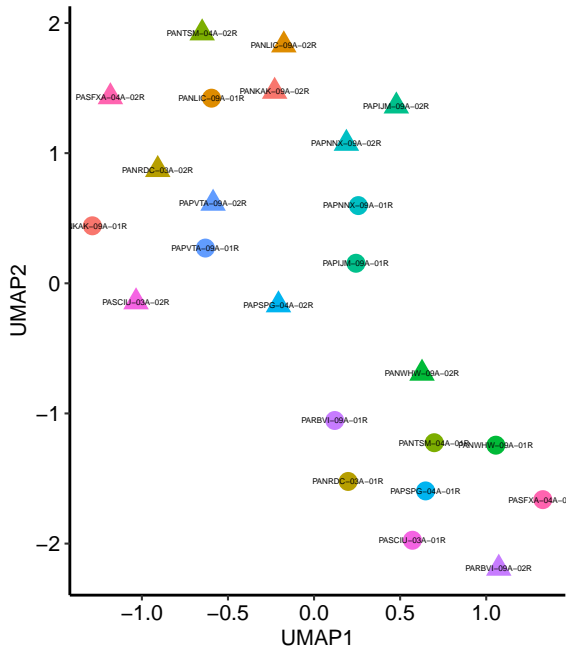
Protein Complexes and Conditions (from top-left to bottom-right):

- PANTSX-04A-02R (green triangle)
- PANKAK-09A-02R (red triangle)
- PANLJC-09A-02R (orange triangle)
- PANRDC-09A-02R (yellow triangle)
- PANLJC-09A-01R (orange circle)
- PANRDC-09A-01R (yellow circle)
- PANLJC-09A-02R (orange triangle)
- PANRDC-09A-02R (yellow triangle)
- PANLJC-09A-01R (orange circle)
- PANRDC-09A-01R (yellow circle)
- PANLJC-09A-02R (orange triangle)
- PANRDC-09A-02R (yellow triangle)
- PANLJC-09A-01R (orange circle)
- PANRDC-09A-01R (yellow circle)
- PANLJC-09A-02R (orange triangle)
- PANRDC-09A-02R (yellow triangle)
- PANLJC-09A-01R (orange circle)
- PANRDC-09A-01R (yellow circle)
- PANLJC-09A-02R (orange triangle)
- PANRDC-09A-02R (yellow triangle)
- PANLJC-09A-01R (orange circle)
- PANRDC-09A-01R (yellow circle)

PCA: RUVg output ($k = 3$)



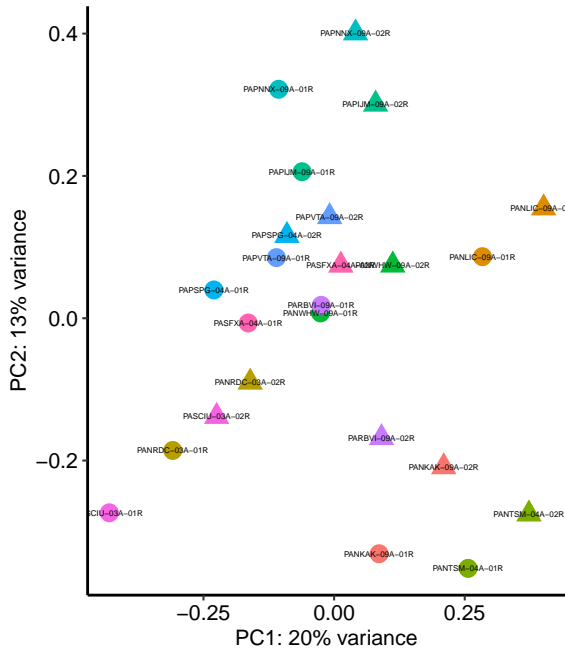
UMAP: RUVg output ($k = 3$)



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● poly-A stranded

▲ stranded

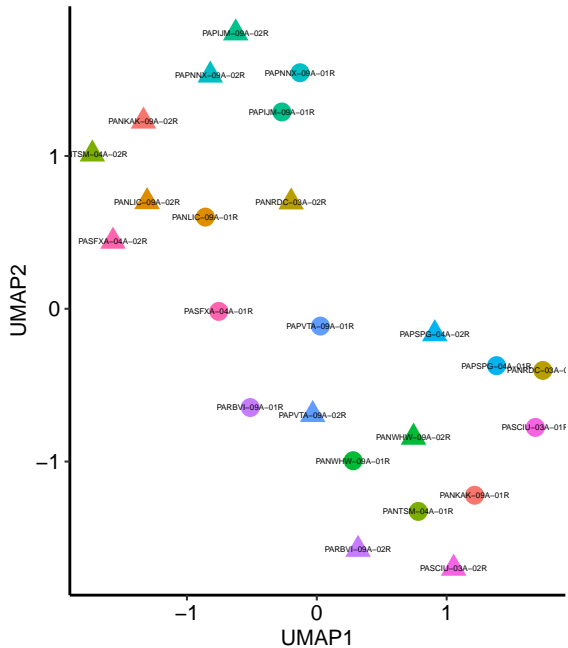
PCA: RUVg output ($k = 4$)

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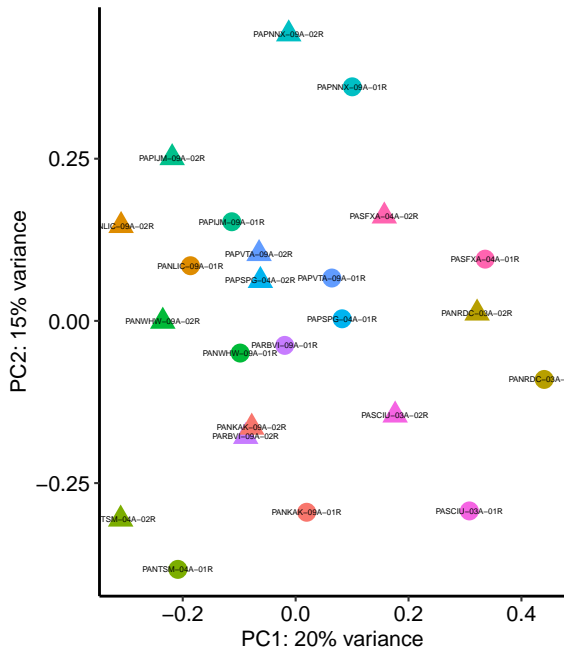
- poly-A stranded

▲ stranded

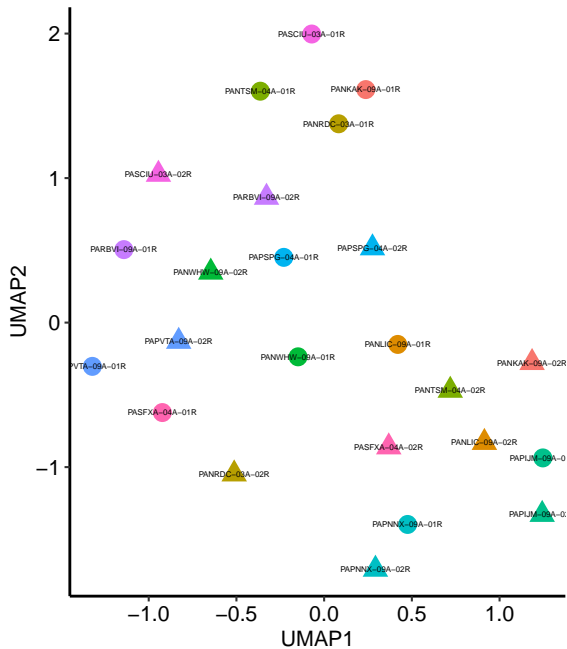
UMAP: RUVg output ($k = 4$)



PCA: RUVg output (k = 5)



UMAP: RUVg output (k = 5)



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