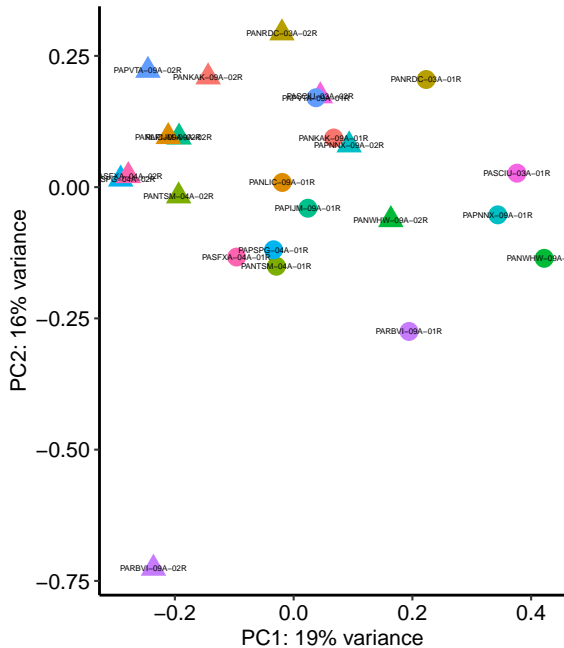
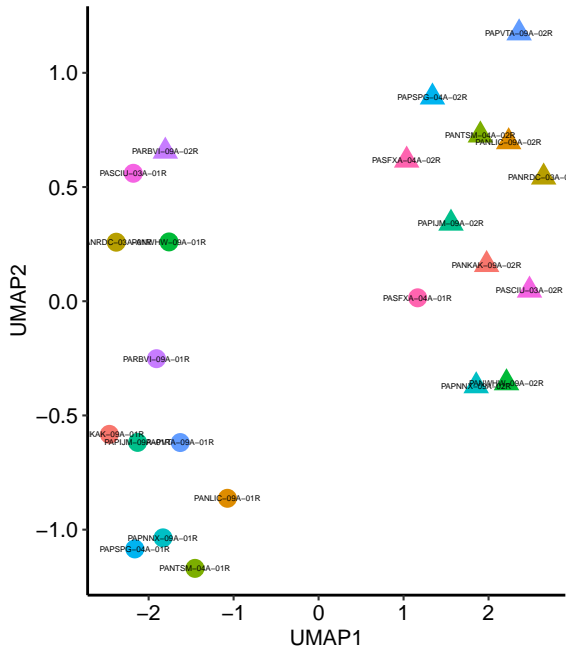


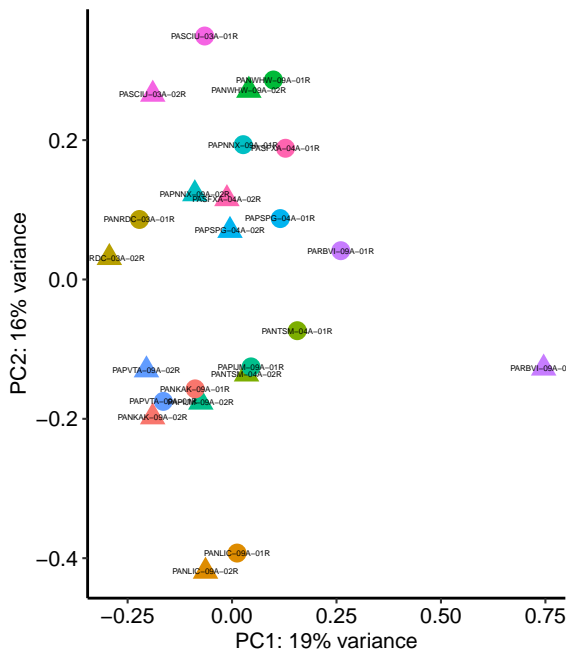
PCA: RUVg output ($k = 1$)

UMAP: RUVg output ($k = 1$)

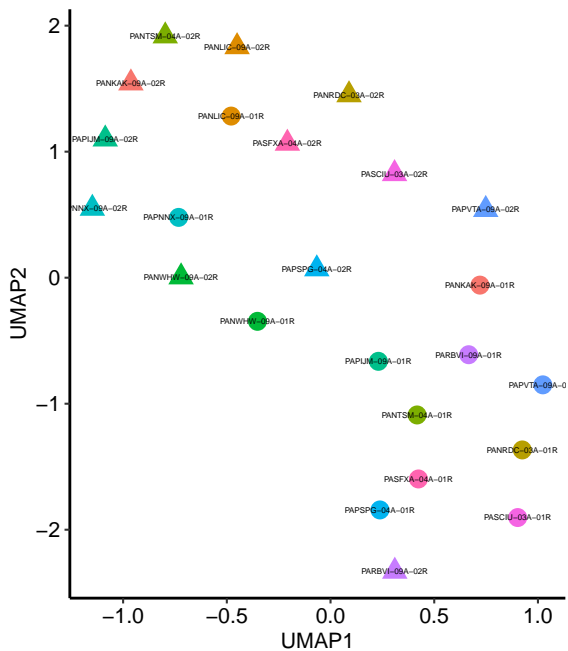


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output (k = 2)

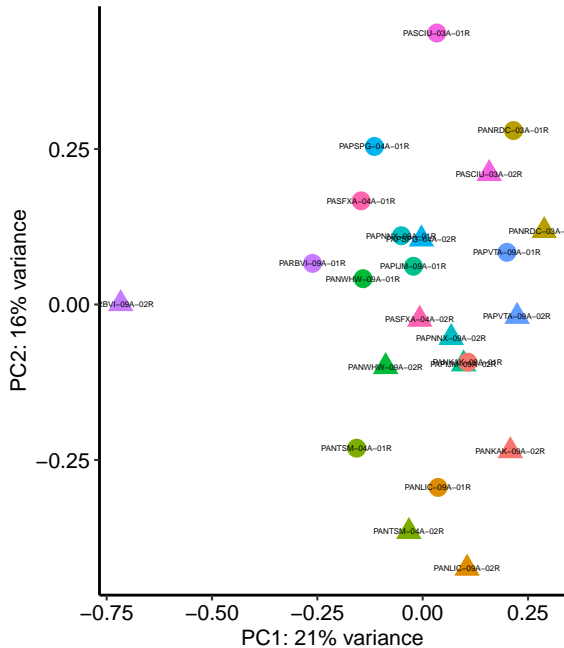


UMAP: RUVg output (k = 2)

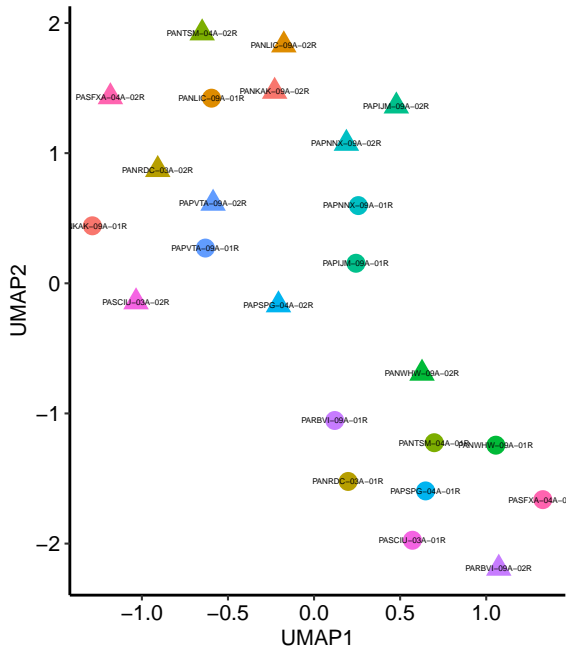


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output ($k = 3$)

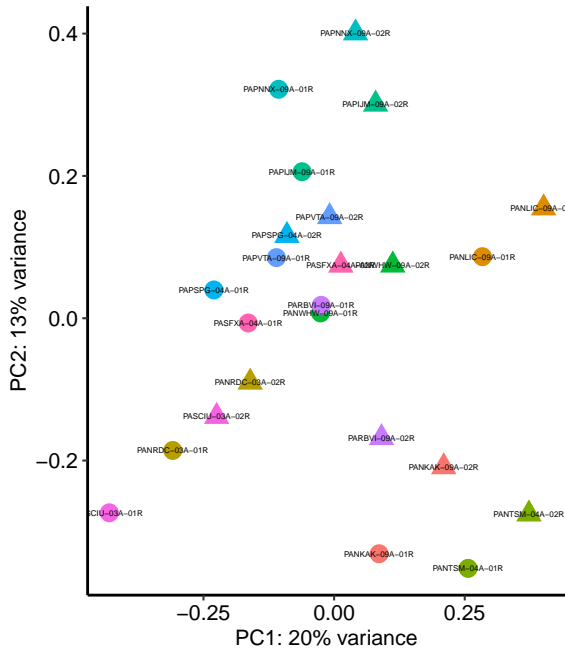


UMAP: RUVg output ($k = 3$)

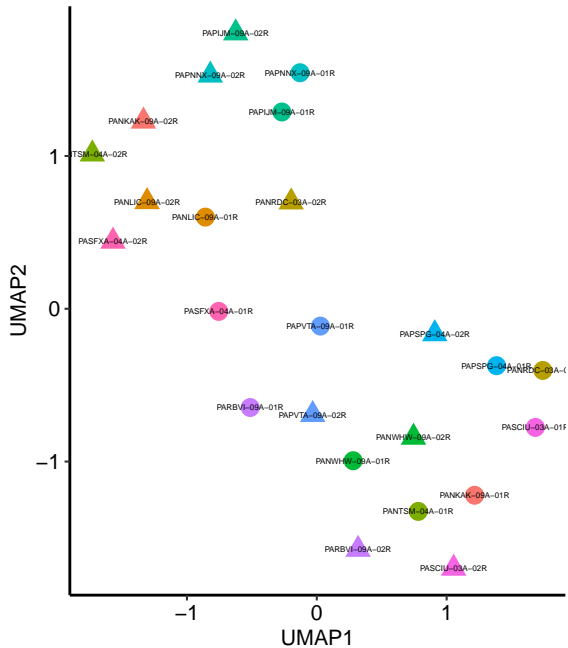


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output (k = 4)



UMAP: RUVg output (k = 4)



rna_library ● poly-A stranded ▲ stranded

UMAP2

UMAP1

Cell lines and conditions shown in the UMAP plot:

- PASCIL-03A-01R
- PANTS-04A-01R
- PANKAK-09A-01R
- PANRDC-03A-01R
- PASCIL-03A-02R
- PARBVI-09A-02R
- PARBVI-09A-01R
- PANWHW-09A-02R
- PAPSPG-04A-01R
- PAPSPG-04A-02R
- PAPVTA-09A-01R
- PANWHW-09A-01R
- PANLJC-09A-01R
- PANKAK-09A-02R
- PANTS-04A-02R
- PASFXA-04A-01R
- PANRDC-03A-02R
- PANLJC-09A-02R
- PAPNINX-09A-01R
- PAPNINX-09A-02R
- PAPNINX-09A-03R

●

poly-A stranded

▲ stranded