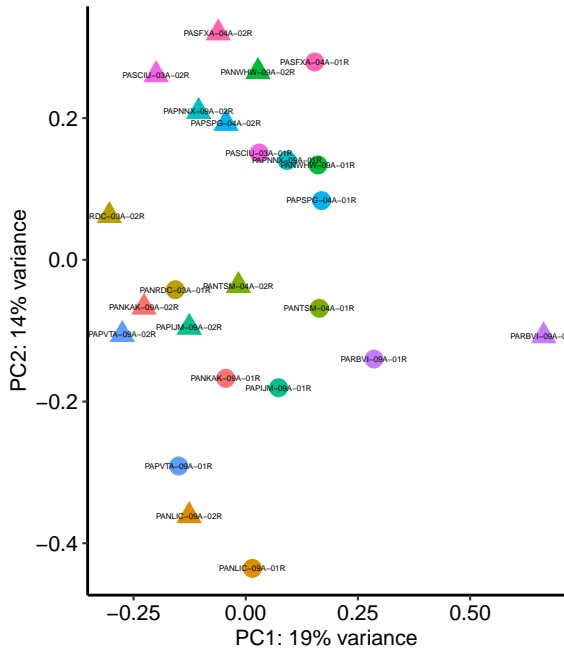


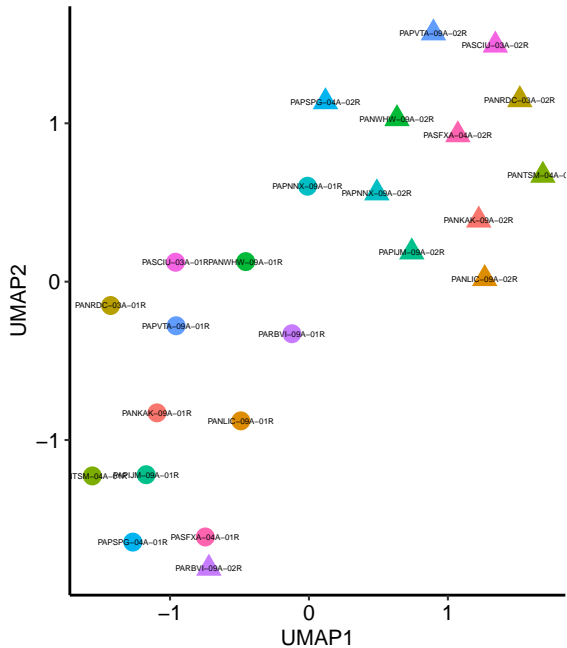
●

▲

PCA: RUVg output ($k = 2$)

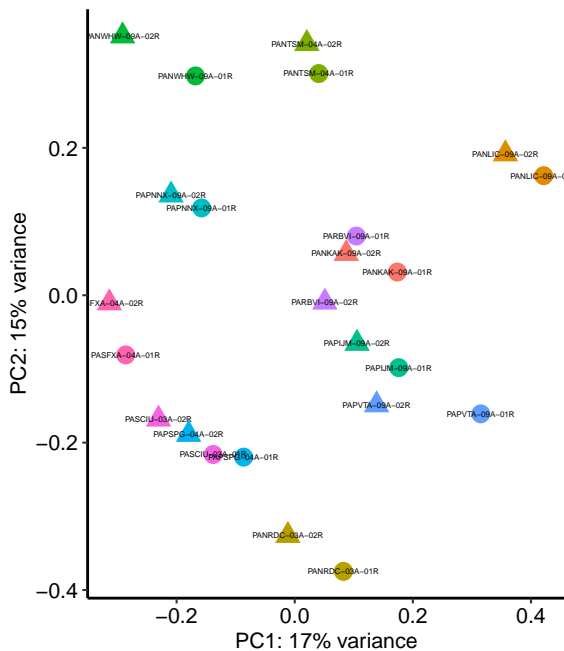


UMAP: RUVg output ($k = 2$)

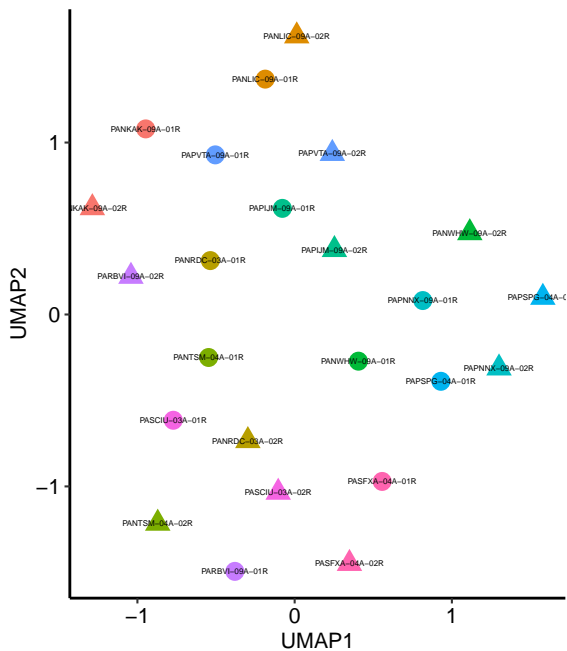


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output (k = 3)

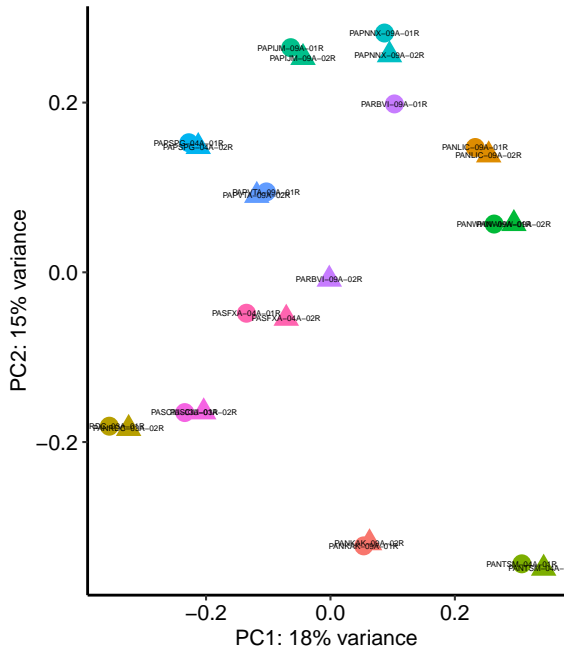


UMAP: RUVg output (k = 3)

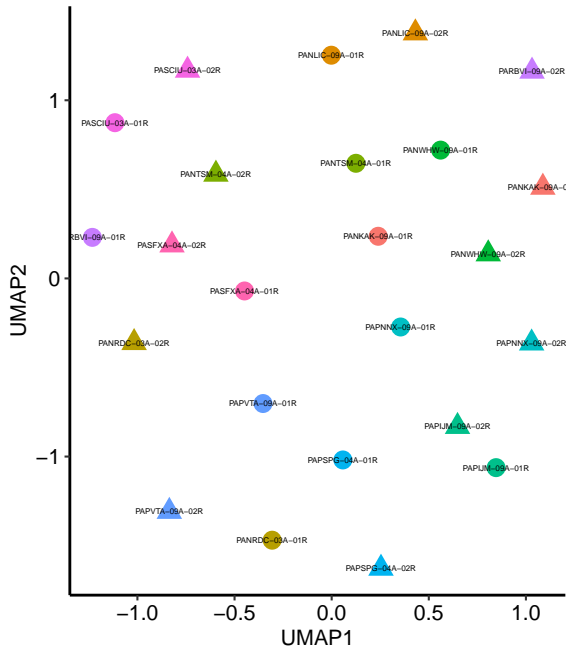


rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output (k = 4)



UMAP: RUVg output (k = 4)



rna_library ● poly-A stranded ▲ stranded

PCA: RUVg output ($k = 5$)

| Sample ID | PC1 (approx.) | PC2 (approx.) | Group Color |
|----------------|---------------|---------------|-------------|
| NNK-09A-01R | -0.25 | 0.45 | Blue |
| PAPNNX-09A-02R | -0.25 | 0.40 | Blue |
| PANRDC-03A-02R | 0.00 | 0.30 | Yellow |
| PANRDC-03A-01R | 0.00 | 0.28 | Yellow |
| PANTSU-04A-01R | 0.45 | 0.30 | Olive |
| PANTSU-04A-01R | 0.45 | 0.28 | Olive |
| PAPSES-04A-01R | -0.25 | 0.15 | Blue |
| PAPSEG-04A-02R | -0.25 | 0.12 | Blue |
| PANKAK-09A-02R | 0.25 | 0.15 | Red |
| PANKAK-09A-01R | 0.25 | 0.12 | Red |
| PARBVI-09A-02R | 0.00 | 0.10 | Purple |
| PAPLUM-09A-02R | -0.25 | 0.05 | Green |
| PLJM-09A-01R | -0.25 | 0.02 | Green |
| PAPVTA-09A-01R | -0.10 | 0.05 | Blue |
| PAPVTA-09A-02R | -0.10 | 0.02 | Blue |
| PASFK-09A-02R | 0.00 | 0.05 | Yellow |
| PANLC-09A-02R | 0.00 | 0.02 | Yellow |
| PANLC-09A-01R | 0.00 | 0.00 | Yellow |
| PASFXA-04A-01R | 0.00 | -0.02 | Purple |
| PASCJ-09A-01R | 0.10 | -0.02 | Pink |
| PASCJ-09A-02R | 0.10 | -0.05 | Pink |
| PANWHT-09A-01R | 0.10 | -0.15 | Green |
| PANWHT-09A-02R | 0.10 | -0.18 | Green |

[illegible]

rna_library ● poly-A stranded ▲ stranded