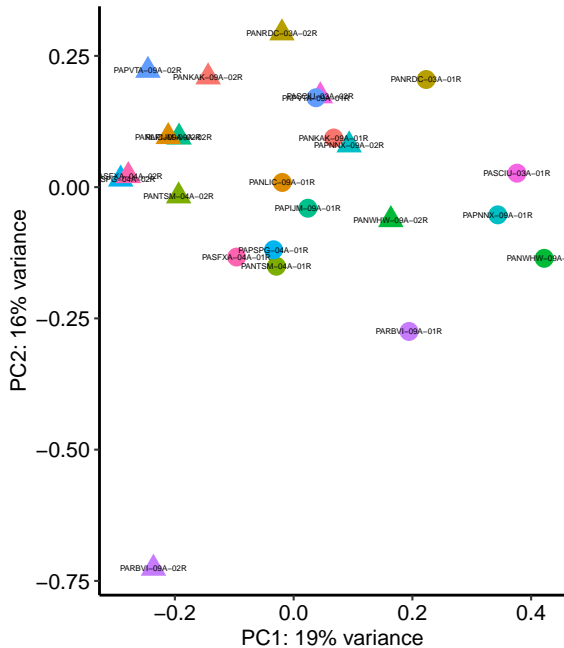
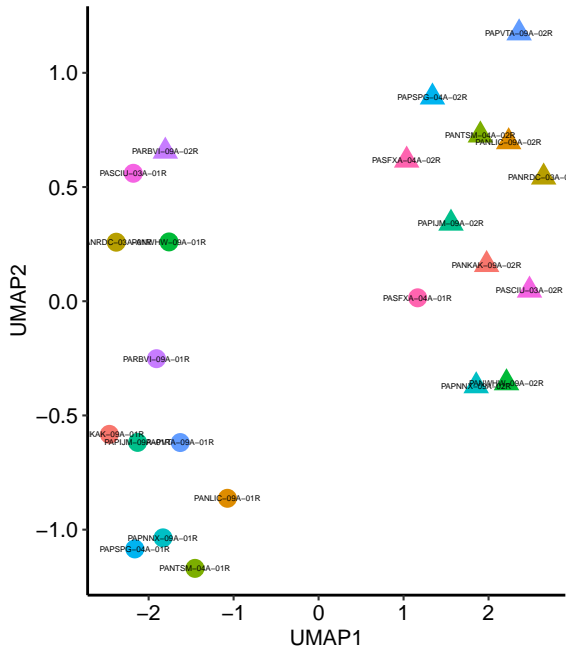


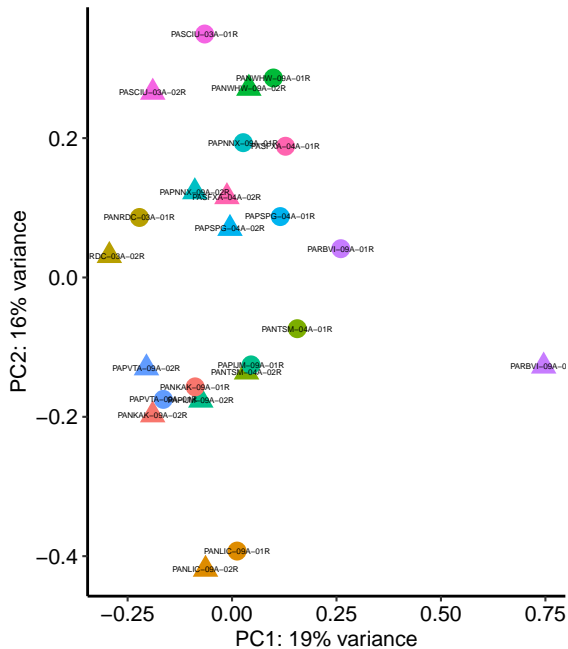
PCA: RUVg output ( $k = 1$ )

UMAP: RUVg output ( $k = 1$ )

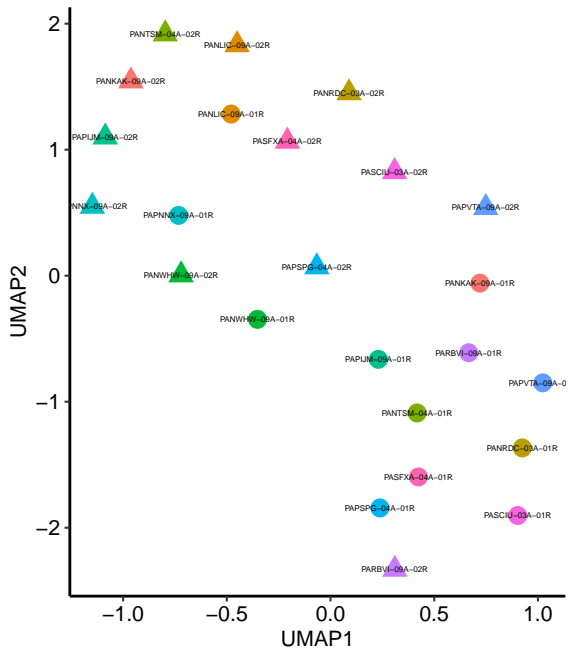


rna\_library   ●   poly-A stranded   ▲   stranded

### PCA: RUVg output ( $k = 2$ )

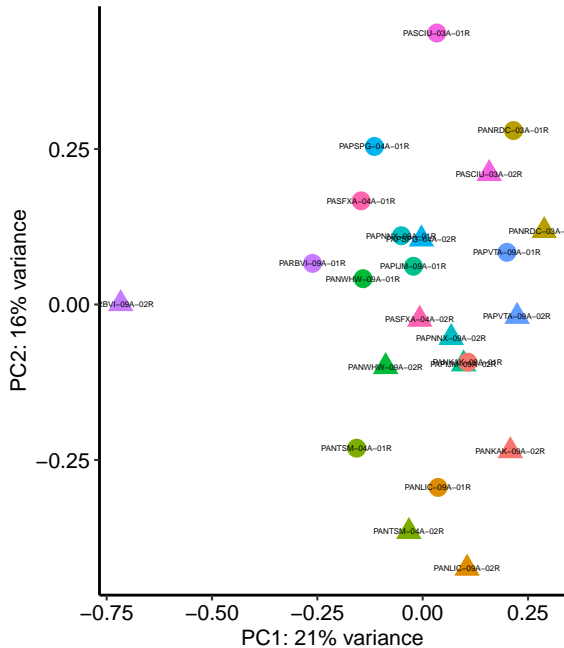


UMAP: RUVg output ( $k = 2$ )

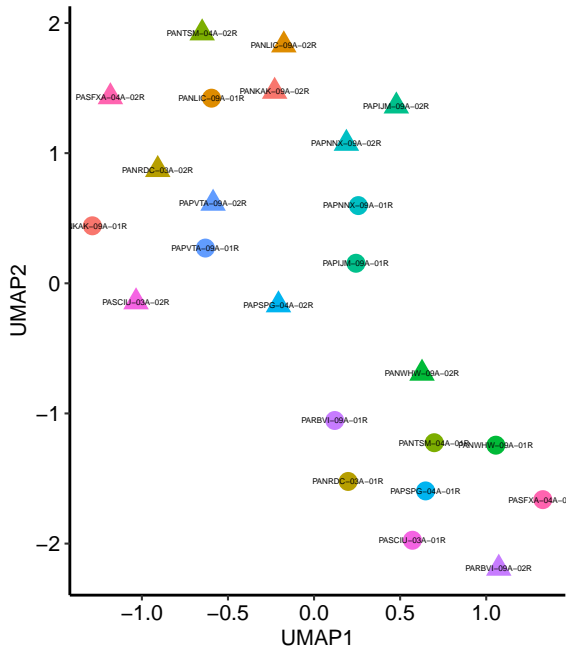


rna\_library   ●   poly-A stranded   ▲   stranded

### PCA: RUVg output ( $k = 3$ )

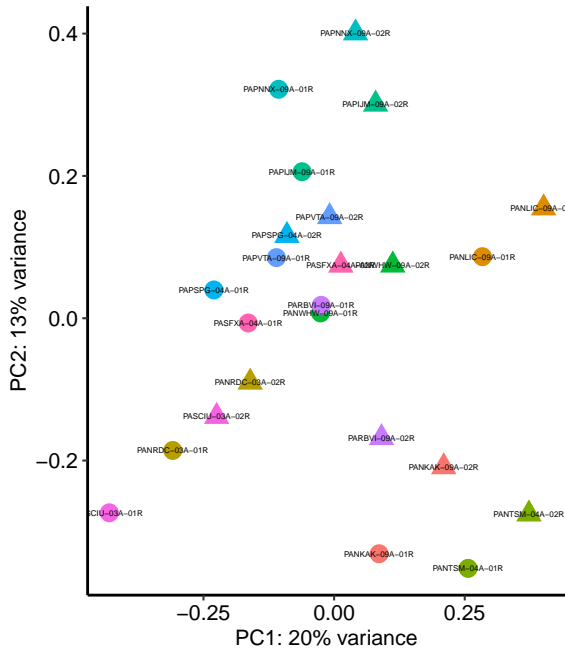


UMAP: RUVg output ( $k = 3$ )




rna\_library   ●   poly-A stranded   ▲   stranded

PCA: RUVg output ( $k = 4$ )

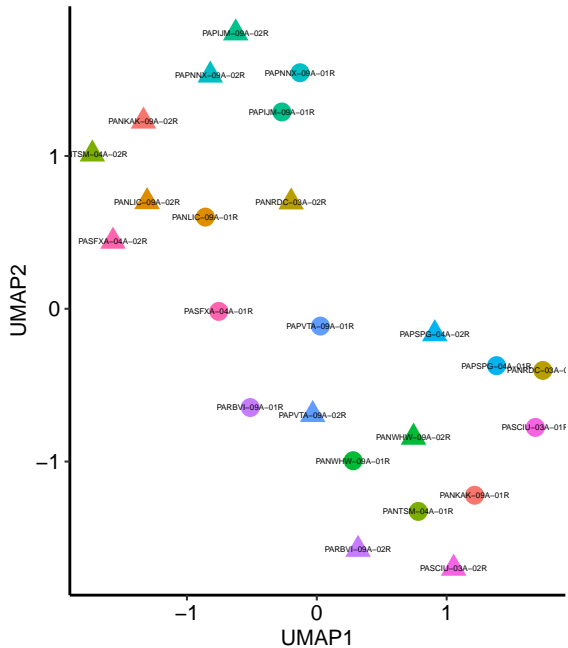


rna\_library

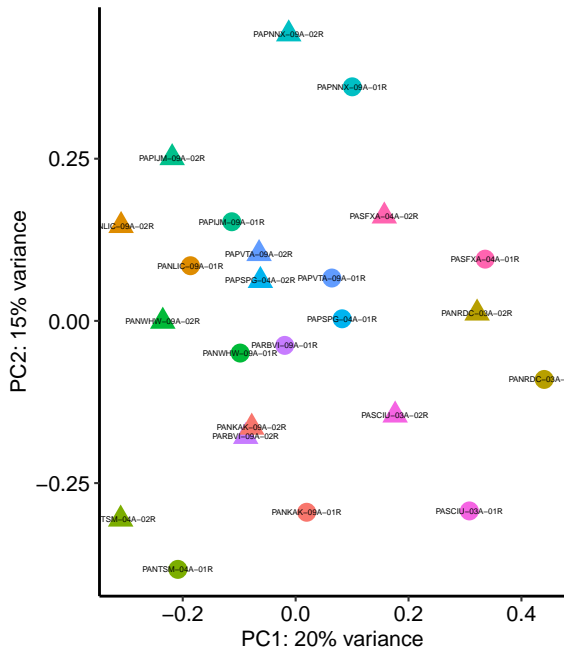
● poly-A stranded

 stranded

UMAP: RUVg output ( $k = 4$ )



PCA: RUVg output (k = 5)



UMAP: RUVg output (k = 5)

