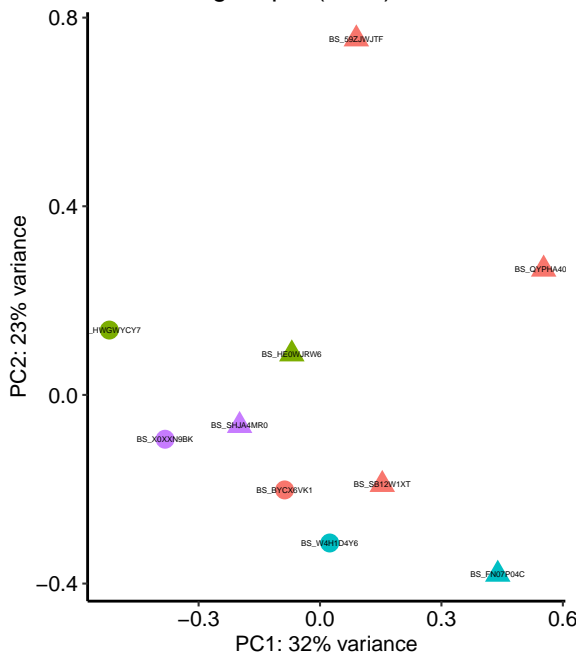
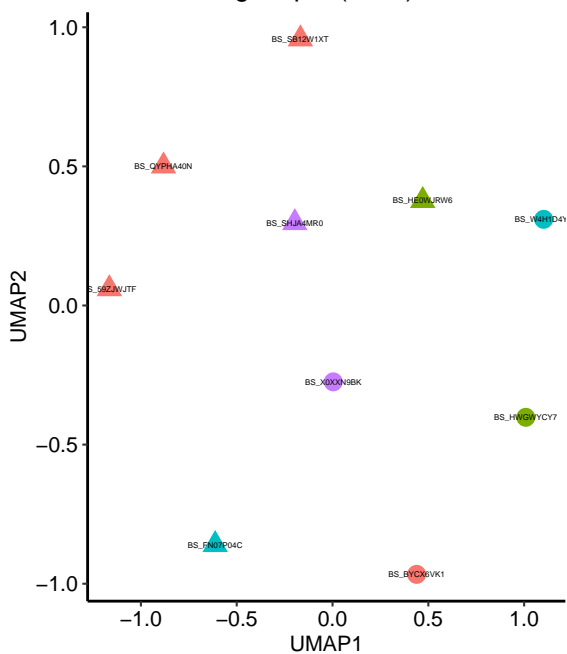


### PCA: RUVg output ( $k = 1$ )

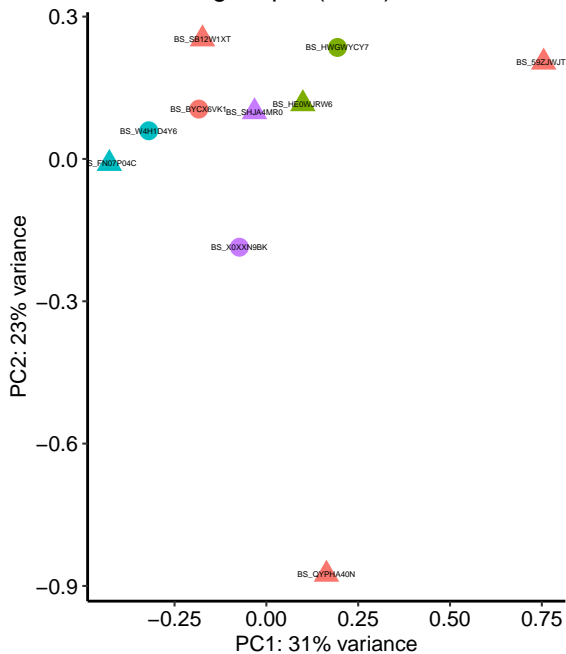


UMAP: RUVg output ( $k = 1$ )

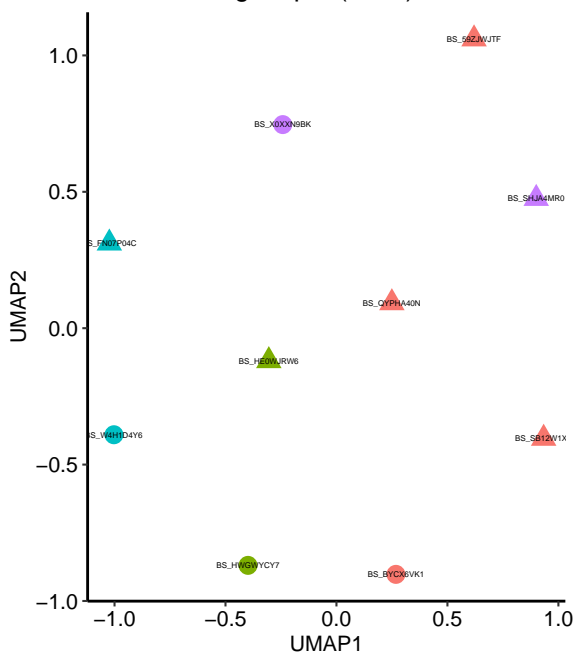


rna\_library   ●   poly-A   ▲   stranded

PCA: RUVg output (k = 2)

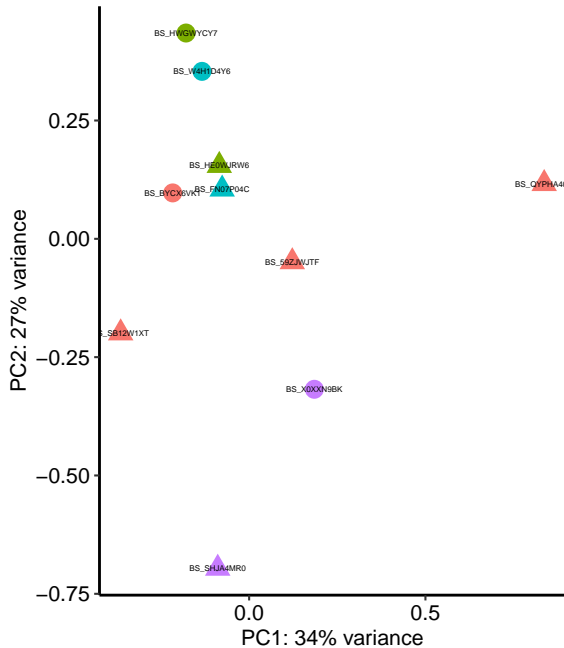


UMAP: RUVg output (k = 2)

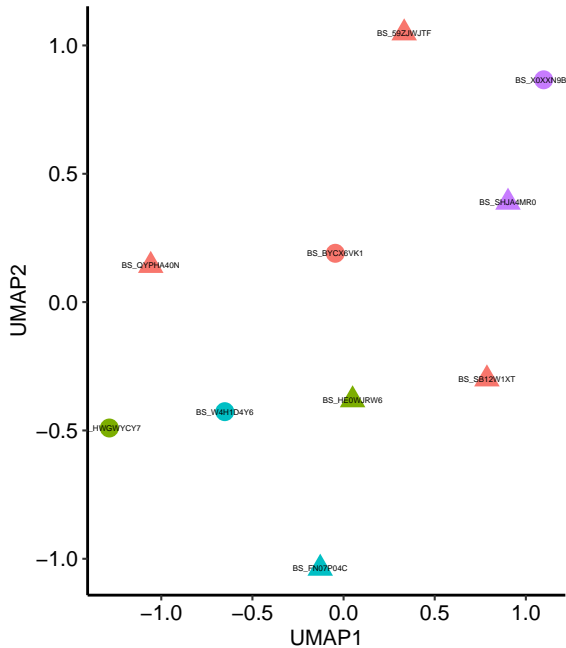


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PCA: RUVg output (k = 3)

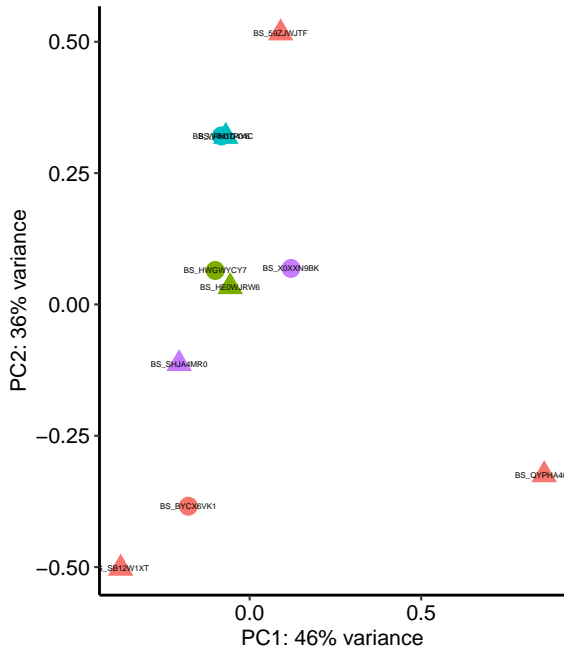


UMAP: RUVg output (k = 3)

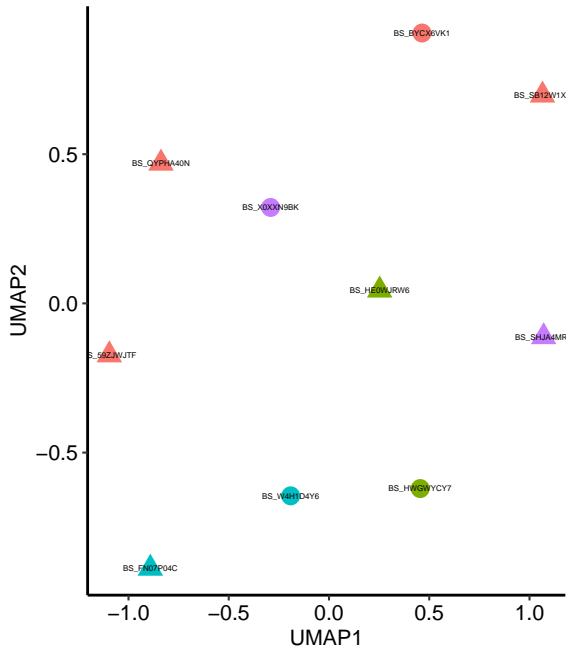


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### PCA: RUVg output ( $k = 4$ )

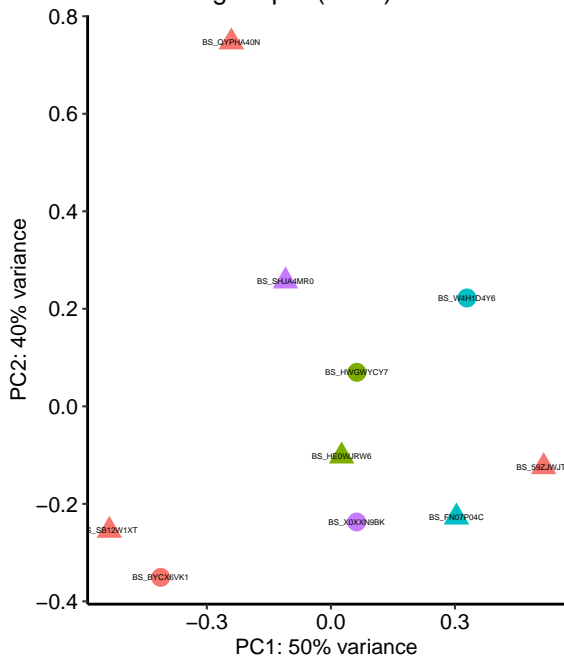


UMAP: RUVg output ( $k = 4$ )

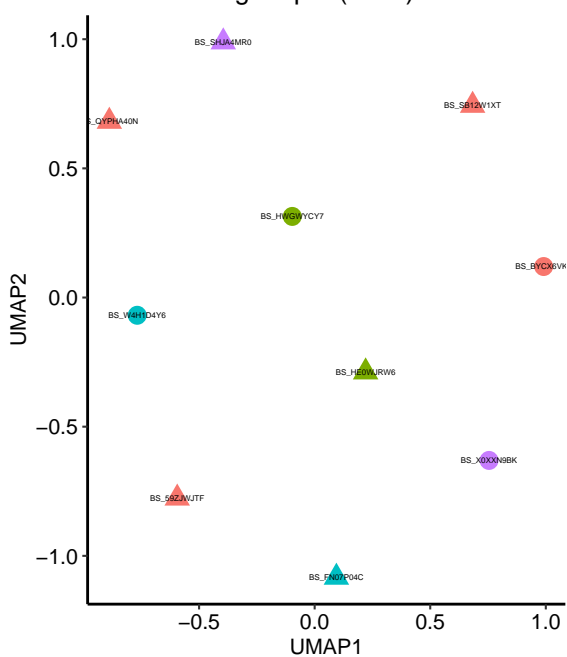


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PCA: RUVg output (k = 5)



UMAP: RUVg output (k = 5)



rna\_library    ●    poly-A    ▲    stranded