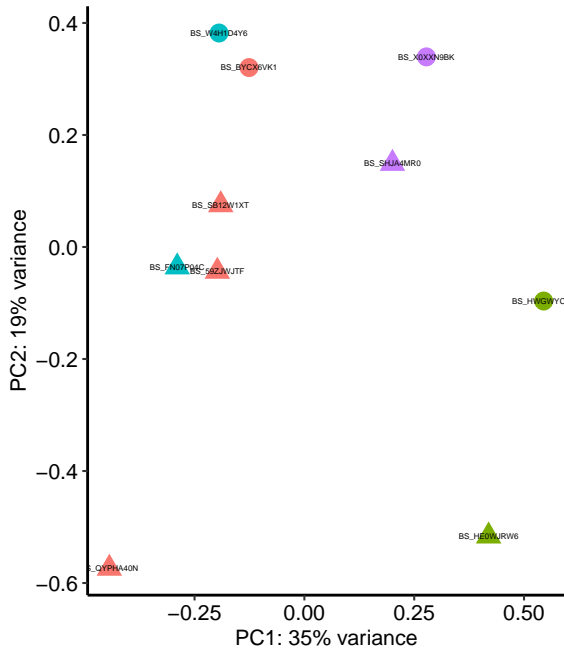
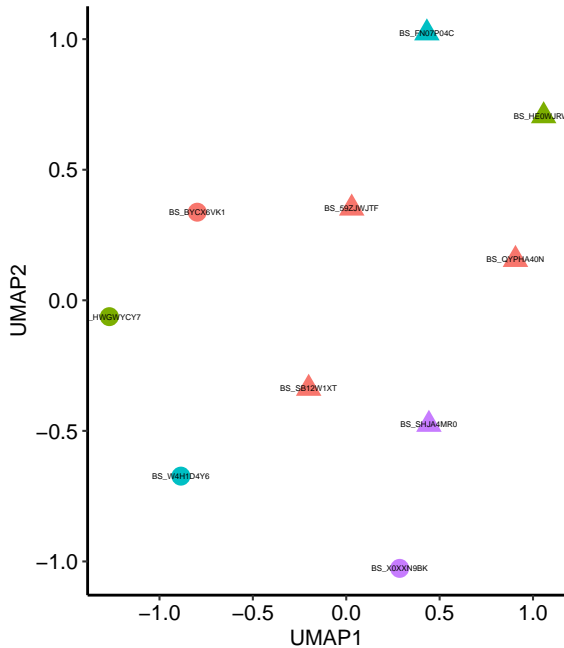


PCA: RUVg output (k = 1)

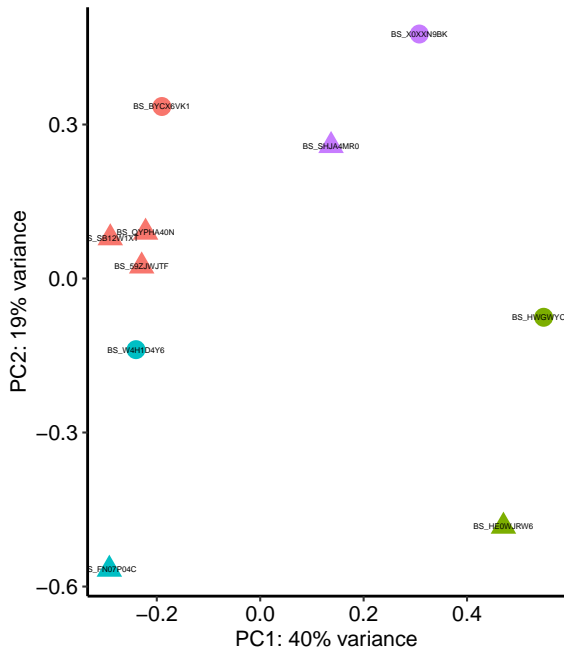


UMAP: RUVg output (k = 1)

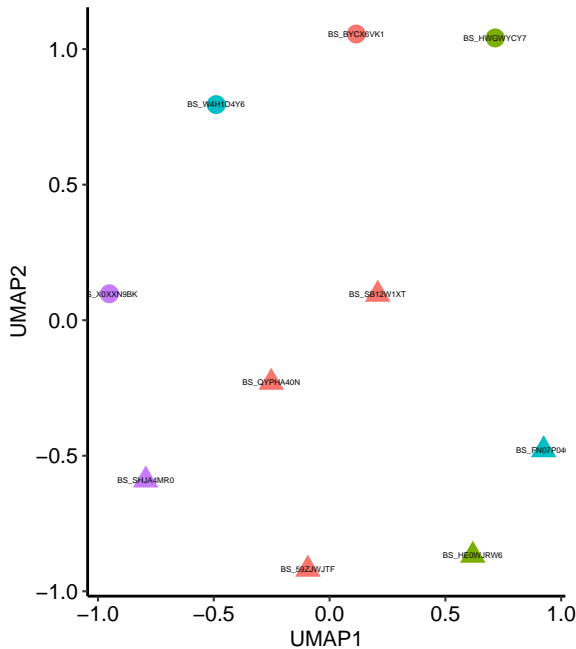


rna_library ● poly-A ▲ stranded

PCA: RUVg output (k = 2)



UMAP: RUVg output (k = 2)



rna_library ● poly-A ▲ stranded

PCA plot showing the first principal component (PC1) accounting for 42% of the variance. The plot displays 1000 random SNPs, with points colored and shaped by population group. The x-axis is labeled PC1: 42% variance. The y-axis is unlabeled.

SNP ID	Population	PC1 (approx.)	PC2 (approx.)
BS_BYCX6VK1	Red Circle	-0.25	0.85
BS_W4H1D4Y6	Cyan Circle	-0.25	0.65
BS_SHJ4MR0	Purple Triangle	0.15	0.75
BS_X0XN9BK	Purple Circle	0.25	0.95
BS_QY2H440N	Red Triangle	-0.25	0.55
BS_QY2H440N	Red Triangle	-0.25	0.55
BS_QY2H440N	Red Triangle	-0.25	0.55
S_FK07P04C	Blue Triangle	-0.35	0.45
BS_HE01MRW6	Green Triangle	0.45	0.35
BS_H0G0WYC	Green Circle	0.55	0.55

UMAP2

UMAP1

BS_SHU4MR0

BS_X0XXN9BK

BS_5BZJWJTF

BS_S812W1XT

BS_W4H1D4Y

BS_H2E0URW6

BS_GYPHA40N

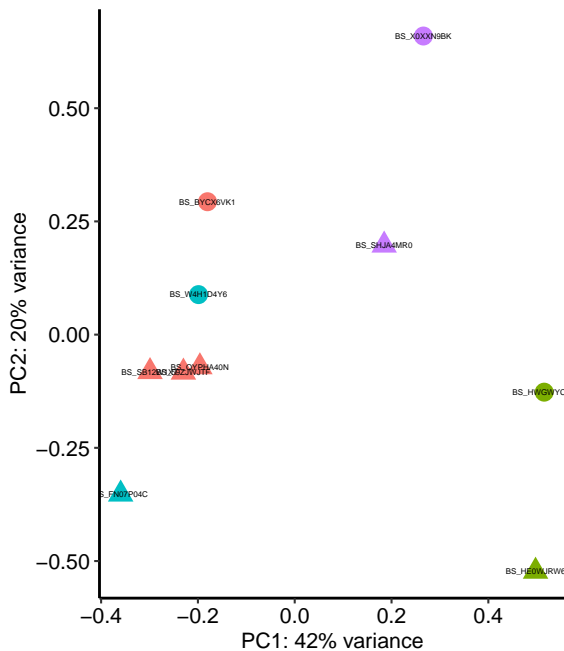
BS_F107P04C

BS_HV6WYCY7

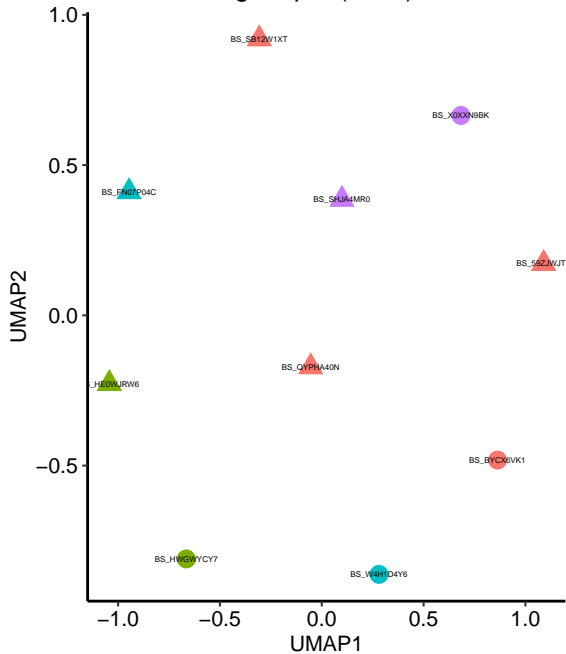
BS_BYCX6VK1

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PCA: RUVg output (k = 4)

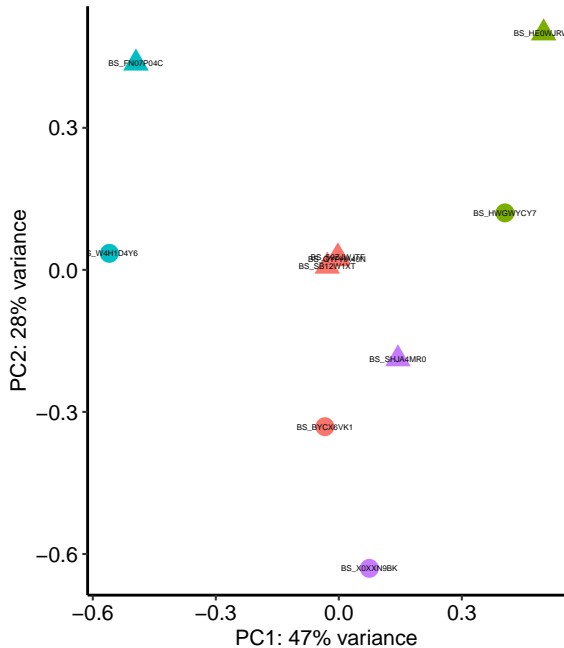


UMAP: RUVg output (k = 4)

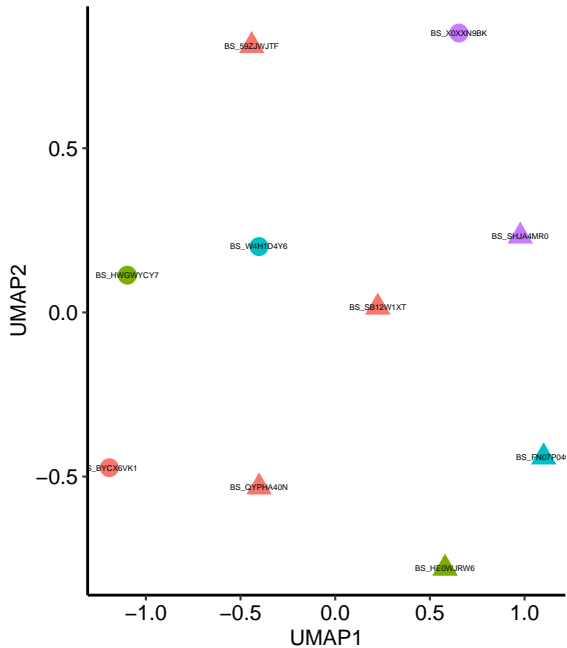


rna_library ● poly-A ▲ stranded

PCA: RUVg output (k = 5)



UMAP: RUVg output (k = 5)



rna_library ● poly-A ▲ stranded