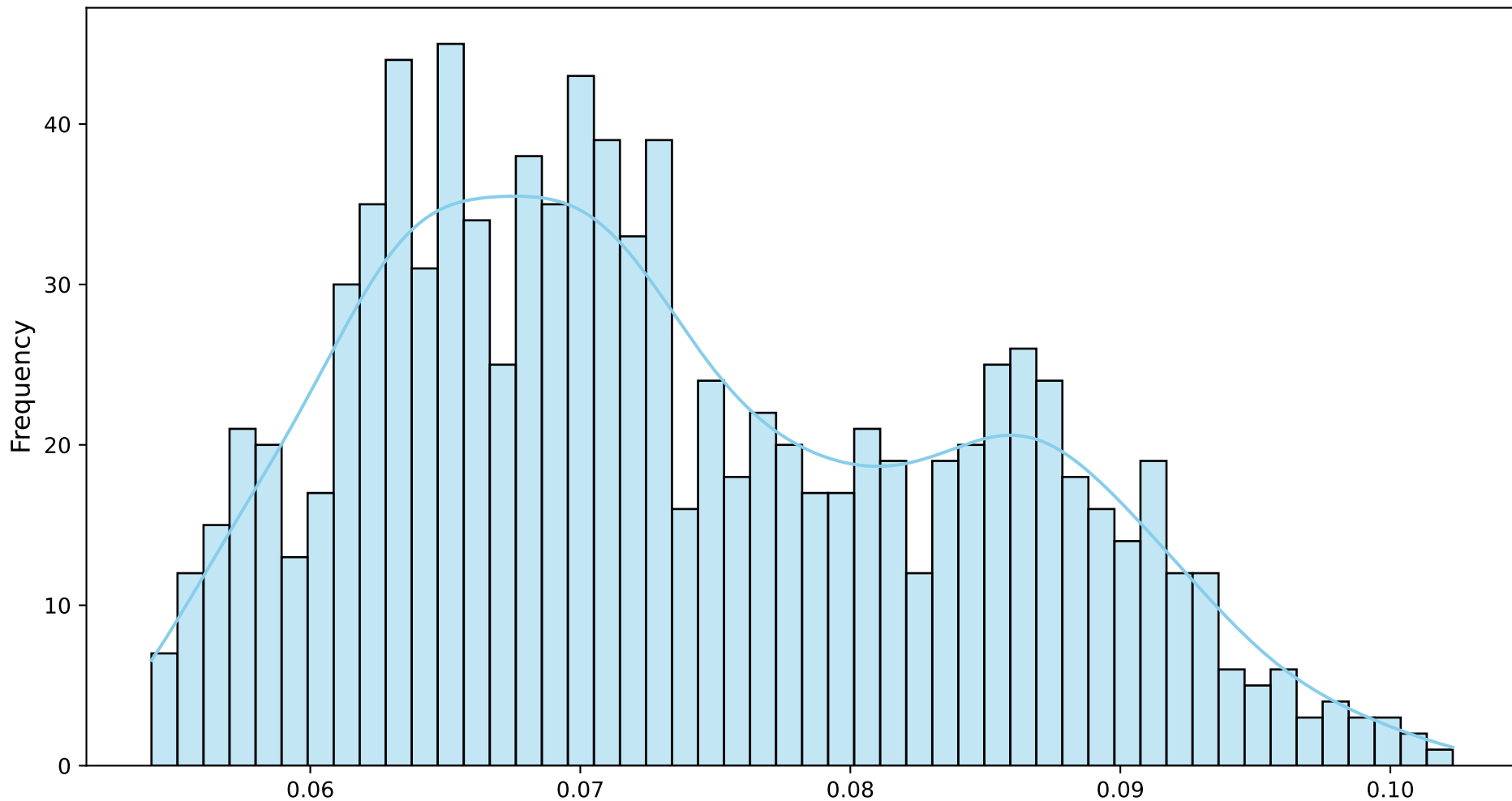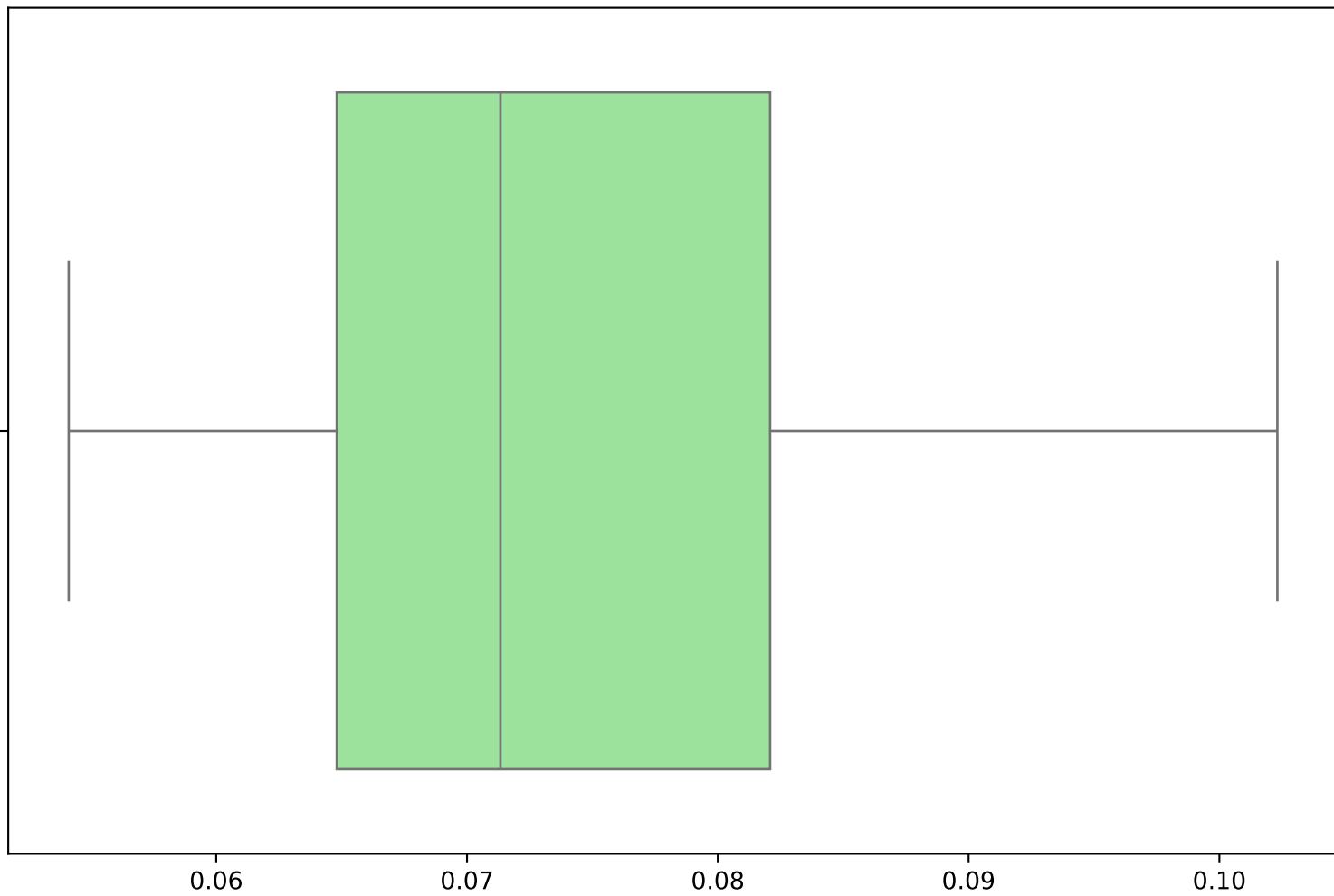Distribution of Distances Across Permutations

Histogram showing how distances vary across all permutations.
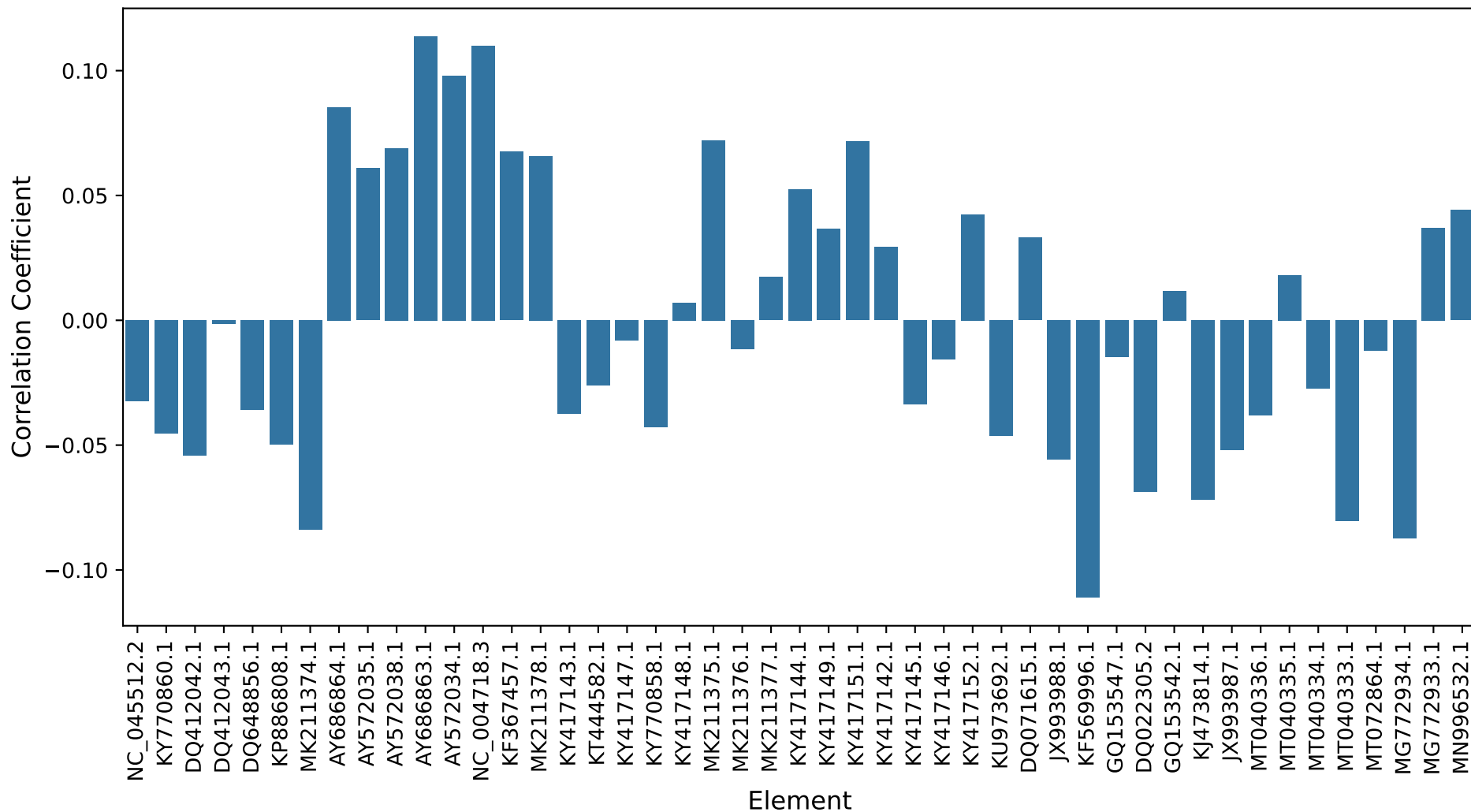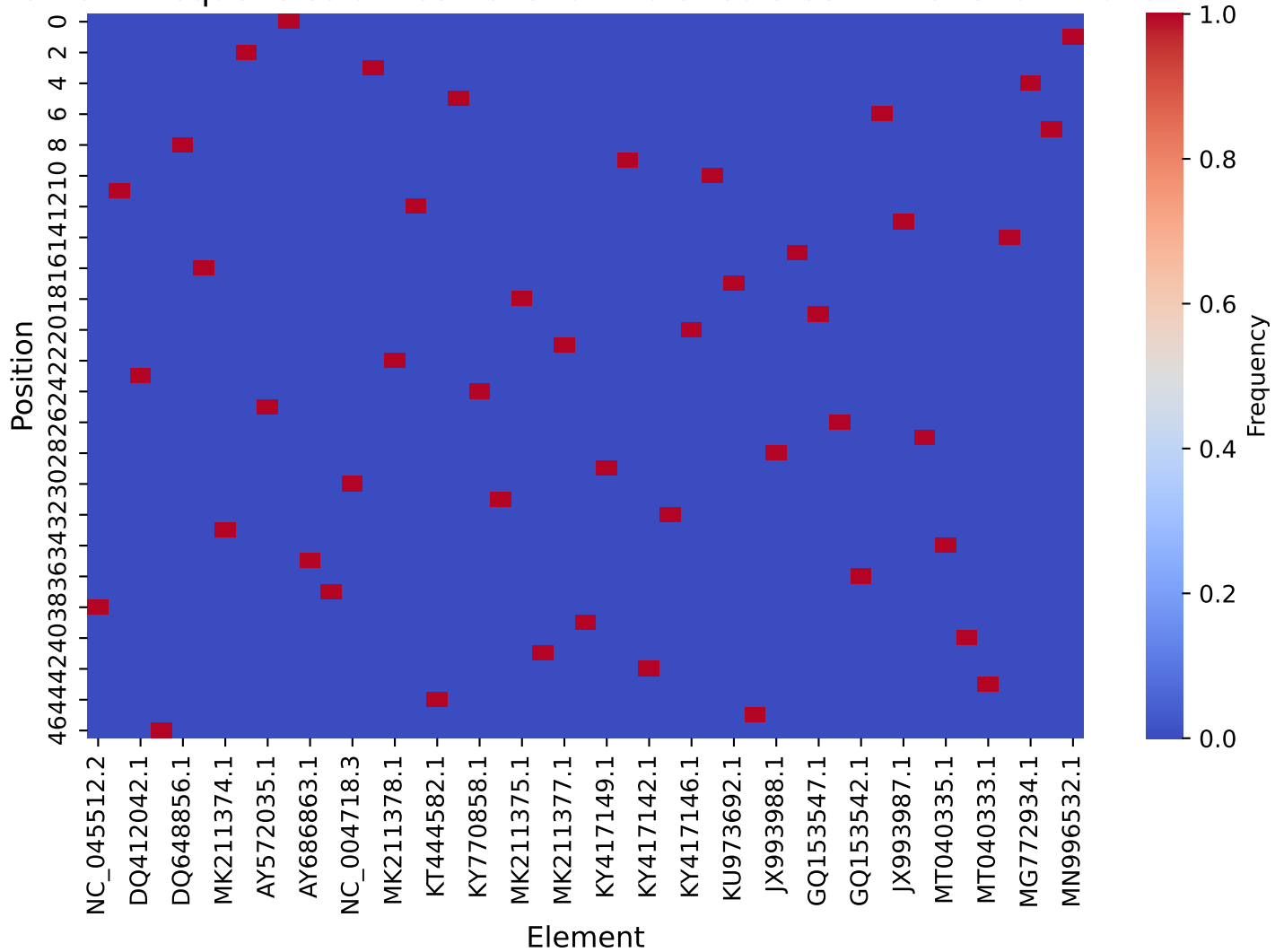
Summary Statistics of Distances

Boxplot illustrating the central tendency and dispersion of distances.
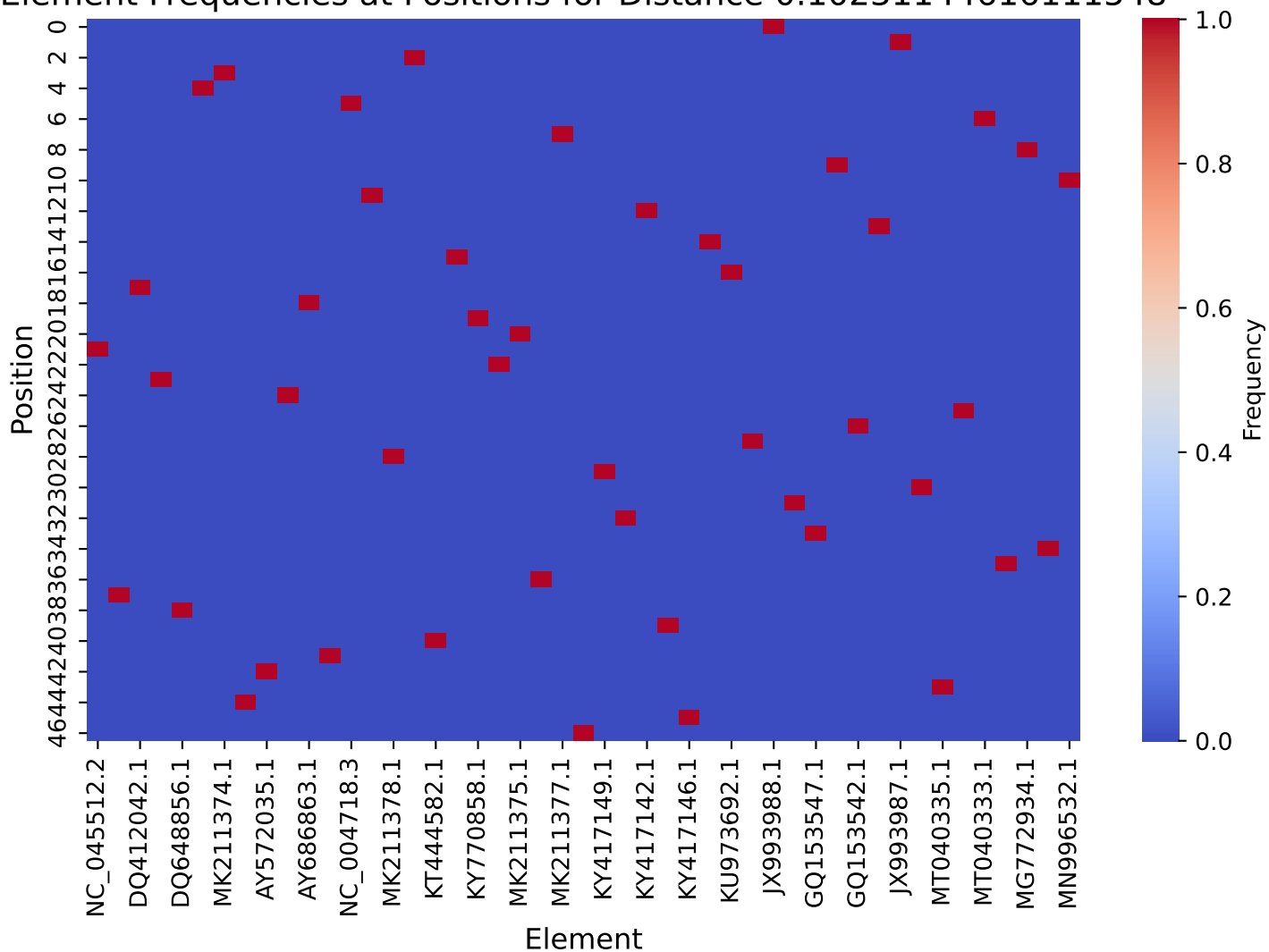
Correlation between Element Positions and Distance

Element Frequencies at Positions for Distance 0.054117325797776464

Element Frequencies at Positions for Distance 0.10231144616111548

Statistical Summary of Distances

	Value
Mean	0.073448
Median	0.071332
Standard Deviation	0.010842
Variance	0.000118
Minimum	0.054117
Maximum	0.102311

Shapiro-Wilk Normality Test Results:

Test	Statistic	p-value
Shapiro-Wilk	0.9635	4.018571e-15

Permutations with Minimal Distance: 0.054117325797776464

AY572038.1, MN996532.1, AY686864.1, KF367457.1, MG772934.1, KY417147.1, KJ473814.1, MG772933.1, DQ648856.1, KY417151.1, KY417152.1, KY770860.1, KY417143.1, JX993987.1, MT072864.1, KF569996.1, KP886808.1, KU973692.1, MK211375.1, GQ153547.1, KY417146.1, MK211377.1, MK211378.1, DQ412042.1, KY770858.1, AY572035.1, DQ022305.2, MT040336.1, JX993988.1, KY417149.1, NC_004718.3, KY417148.1, KY417145.1, MK211374.1, MT040335.1, AY686863.1, GQ153542.1, AY572034.1, NC_045512.2, KY417144.1, MT040334.1, MK211376.1, KY417142.1, MT040333.1, KT444582.1, DQ071615.1, DQ412043.1

Permutations resulting in the minimal total distance among trees.

Permutations with Maximal Distance: 0.10231144616111548

JX993988.1, JX993987.1, KY417143.1, MK211374.1, KP886808.1, NC_004718.3,
MT040333.1, MK211377.1, MG772934.1, DQ022305.2, MN996532.1, KF367457.1,
KY417142.1, KJ473814.1, KY417152.1, KY417147.1, KU973692.1, DQ412042.1,
AY686863.1, KY770858.1, MK211375.1, NC_045512.2, KY417148.1, DQ412043.1,
AY572038.1, MT040334.1, GQ153542.1, DQ071615.1, MK211378.1, KY417149.1,
MT040336.1, KF569996.1, KY417151.1, GQ153547.1, MG772933.1, MT072864.1,
MK211376.1, KY770860.1, DQ648856.1, KY417145.1, KT444582.1, AY572034.1,
AY572035.1, MT040335.1, AY686864.1, KY417146.1, KY417144.1

Permutations resulting in the maximal total distance among trees.