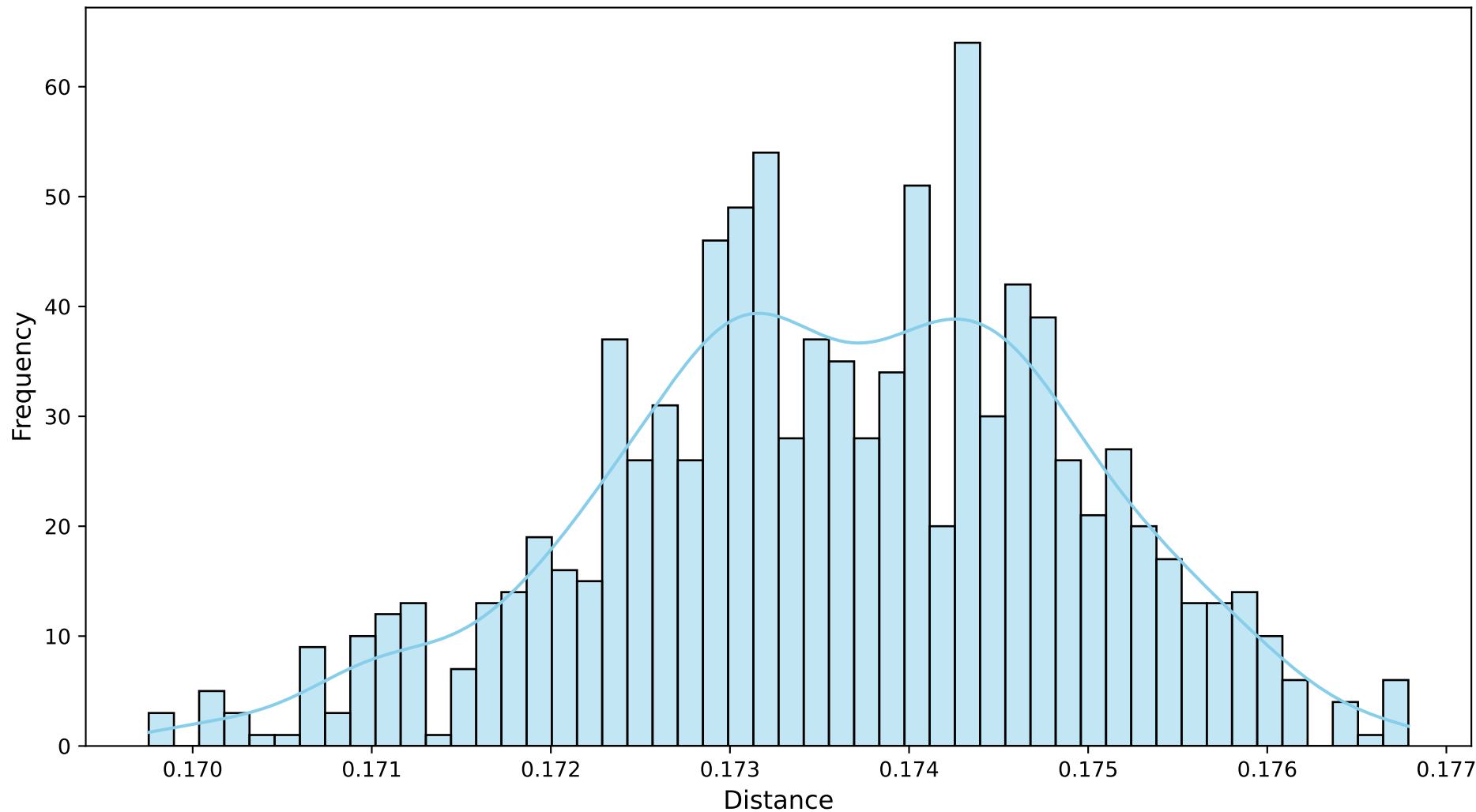
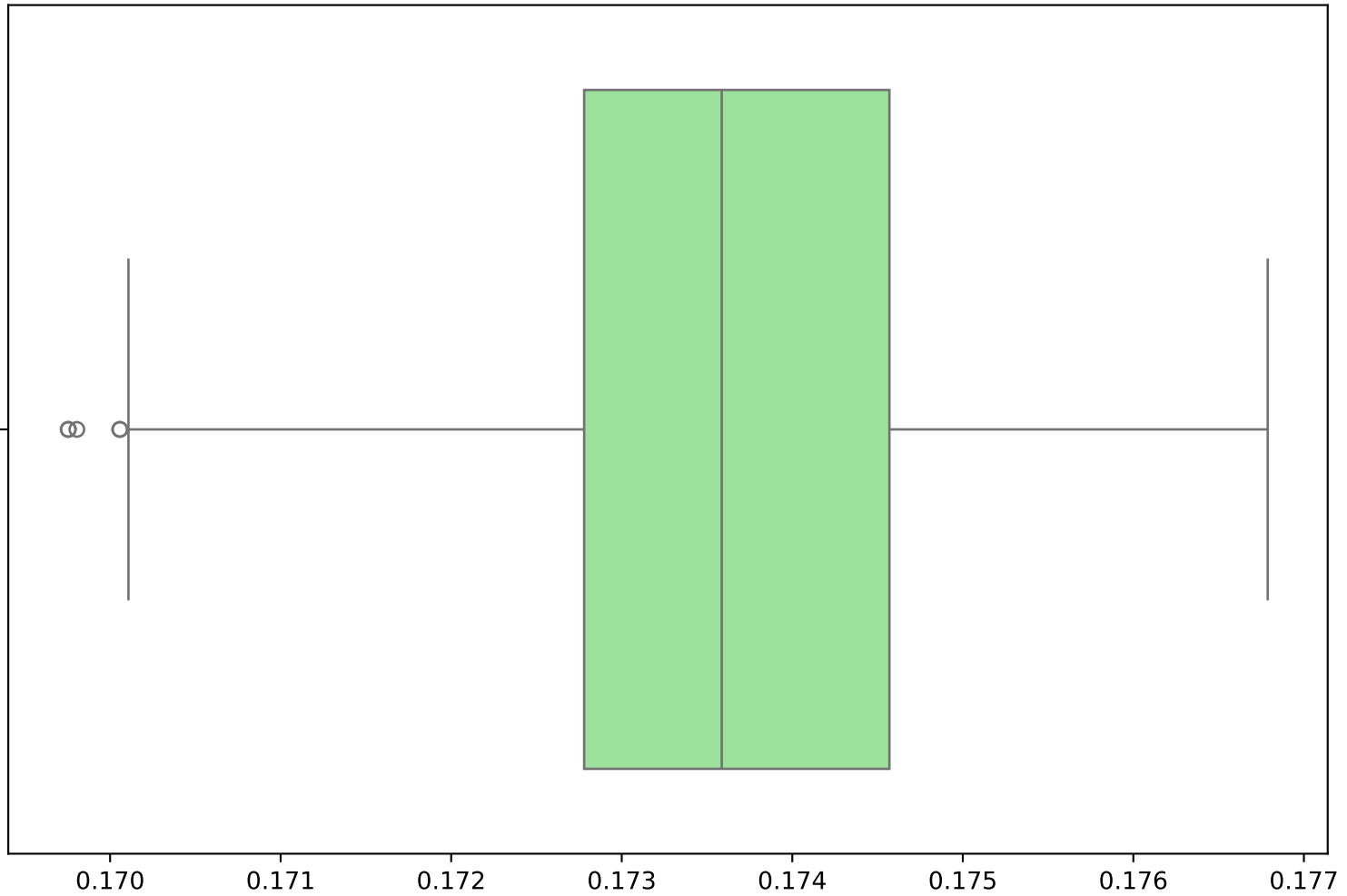


Distribution of Distances Across Permutations



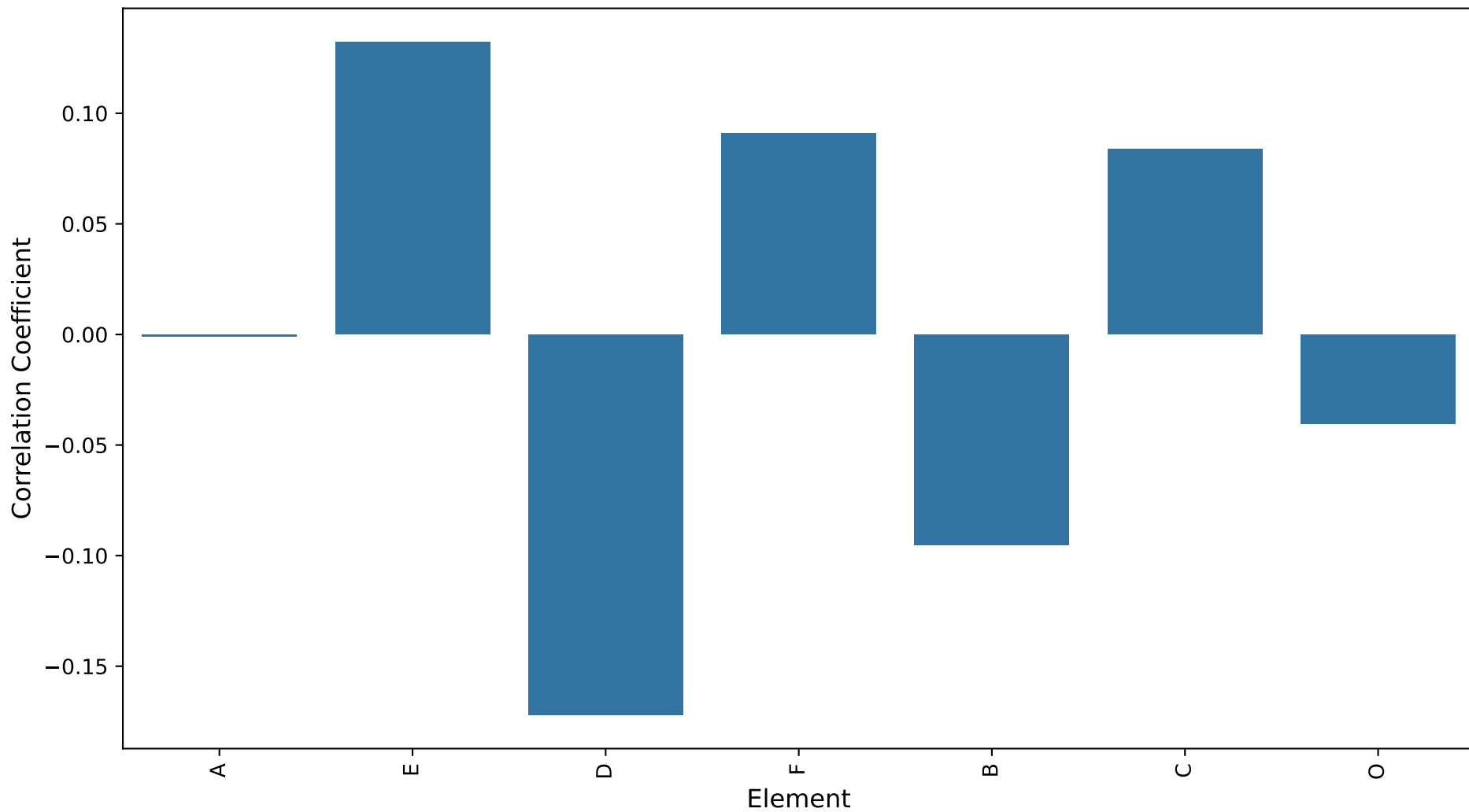
Histogram showing how distances vary across all permutations.

Summary Statistics of Distances

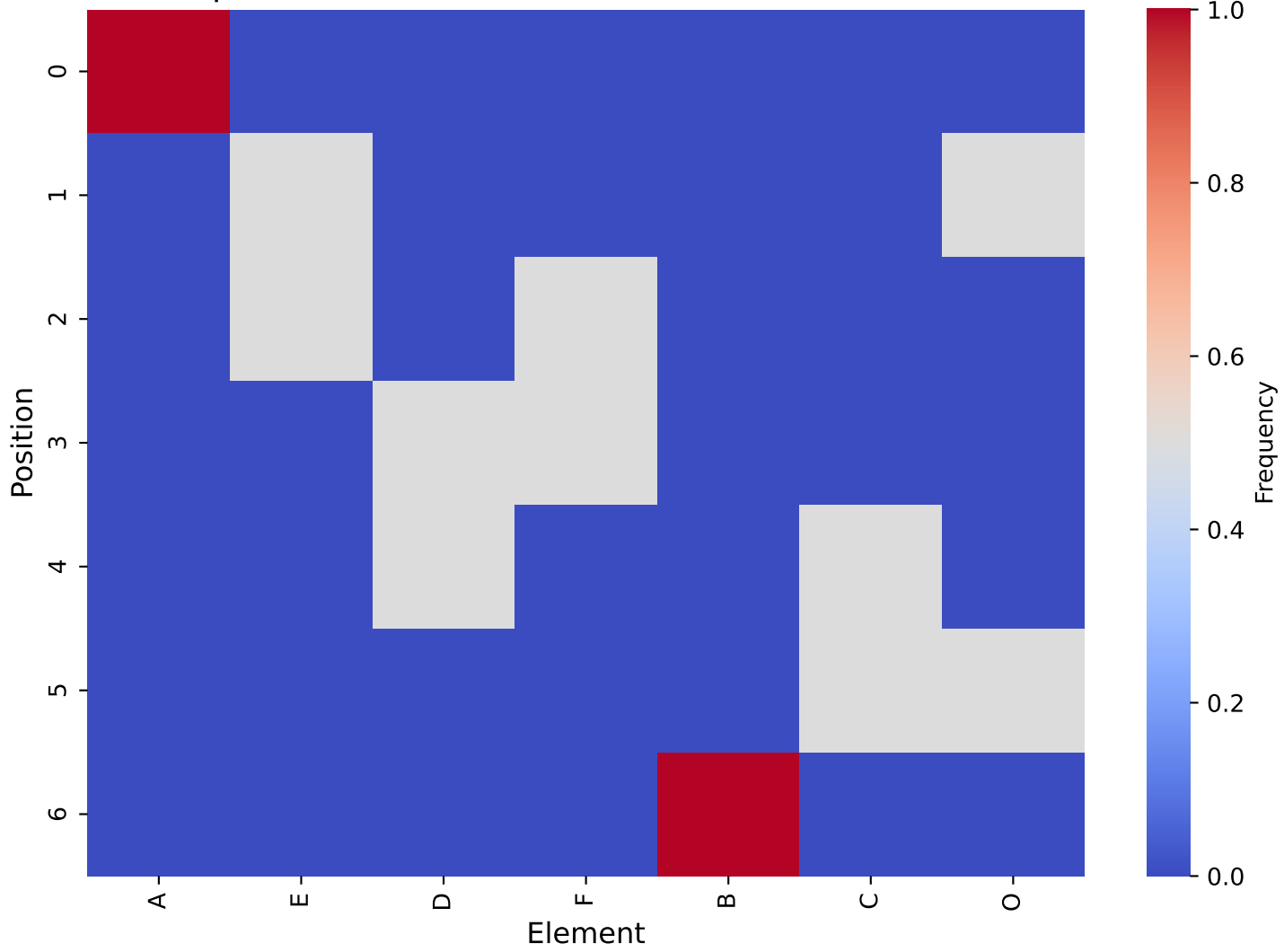


Boxplot illustrating the central tendency and dispersion of distances.

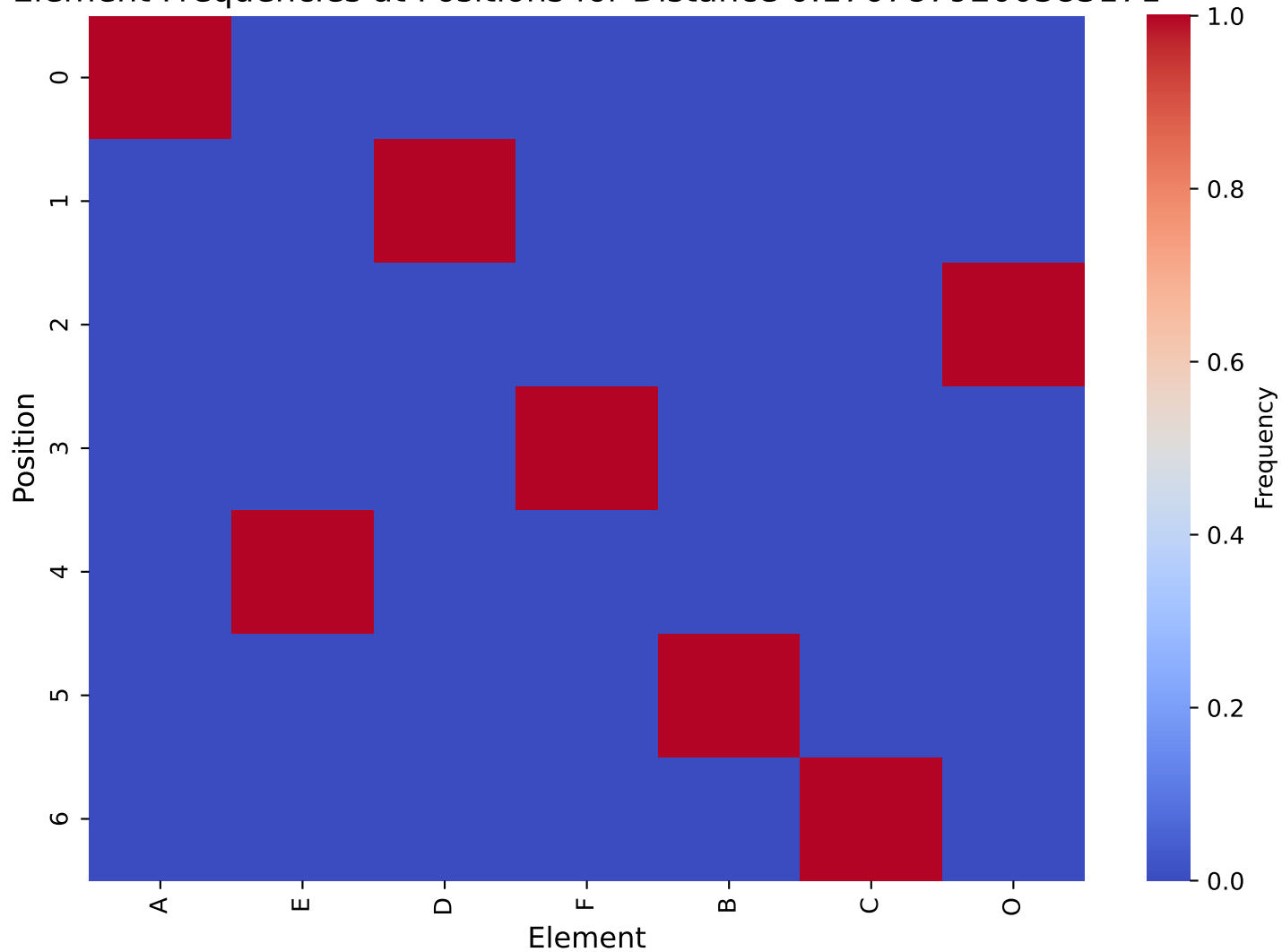
Correlation between Element Positions and Distance



Element Frequencies at Positions for Distance 0.16975472031056996



Element Frequencies at Positions for Distance 0.1767879200383171



Statistical Summary of Distances

	Value
Mean	0.173610
Median	0.173586
Standard Deviation	0.001312
Variance	0.000002
Minimum	0.169755
Maximum	0.176788

Shapiro-Wilk Normality Test Results:

	Test	Statistic	p-value
Shapiro-Wilk		0.993335	0.000188

Permutations with Minimal Distance: 0.16975472031056996

A, O, E, F, D, C, B
A, E, F, D, C, O, B

Permutations resulting in the minimal total distance among trees.

Permutations with Maximal Distance: 0.1767879200383171

A, D, O, F, E, B, C