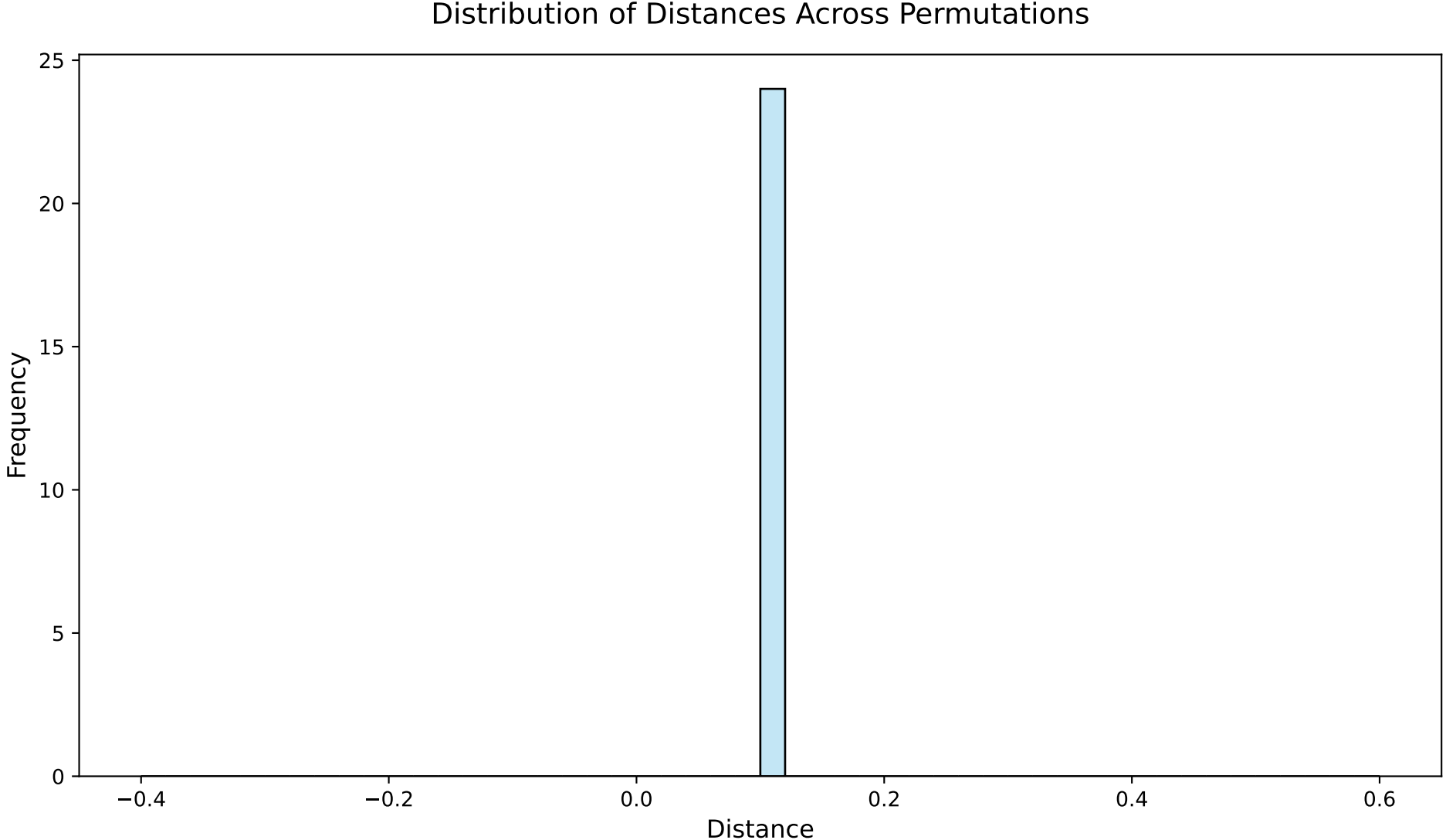
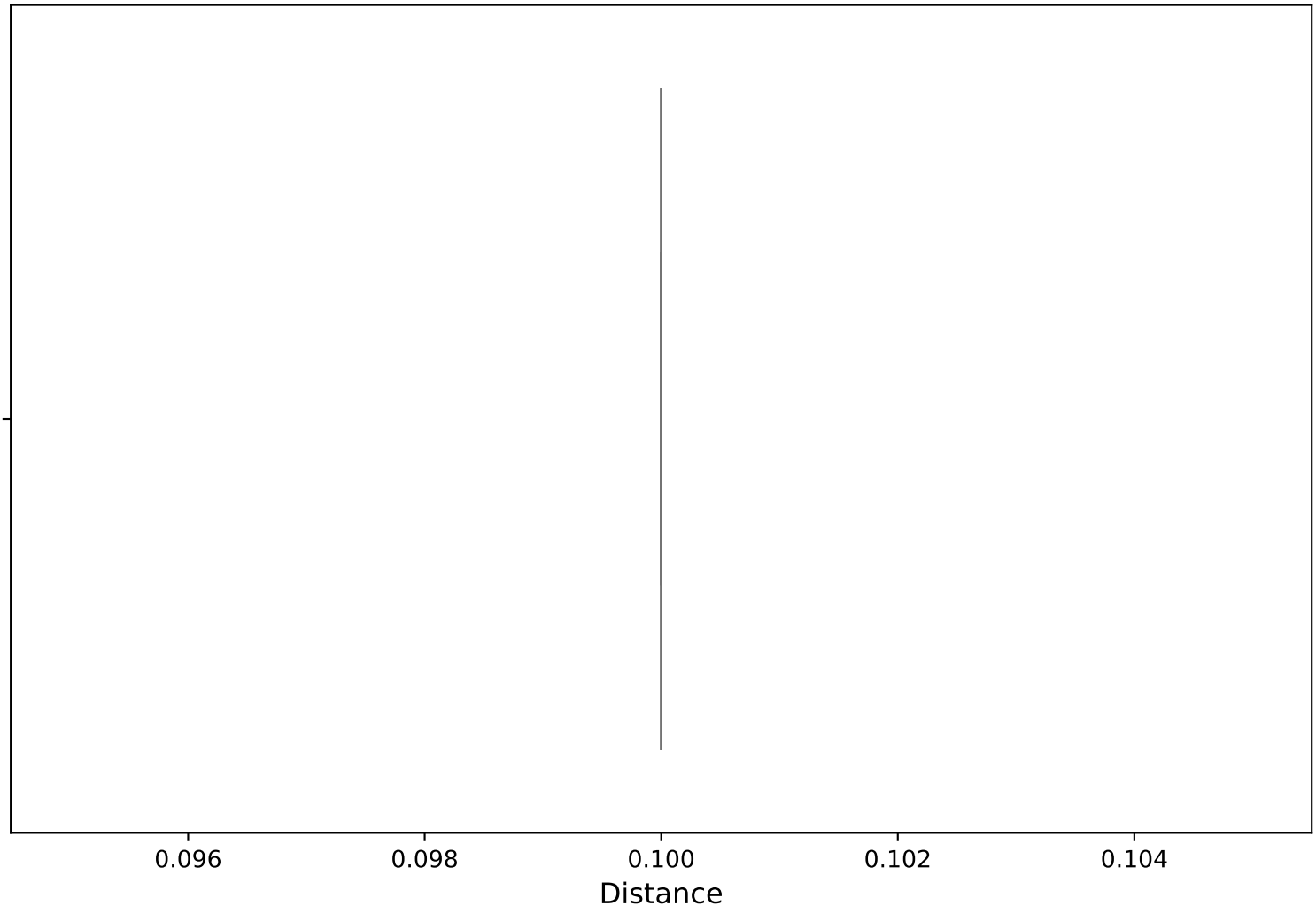
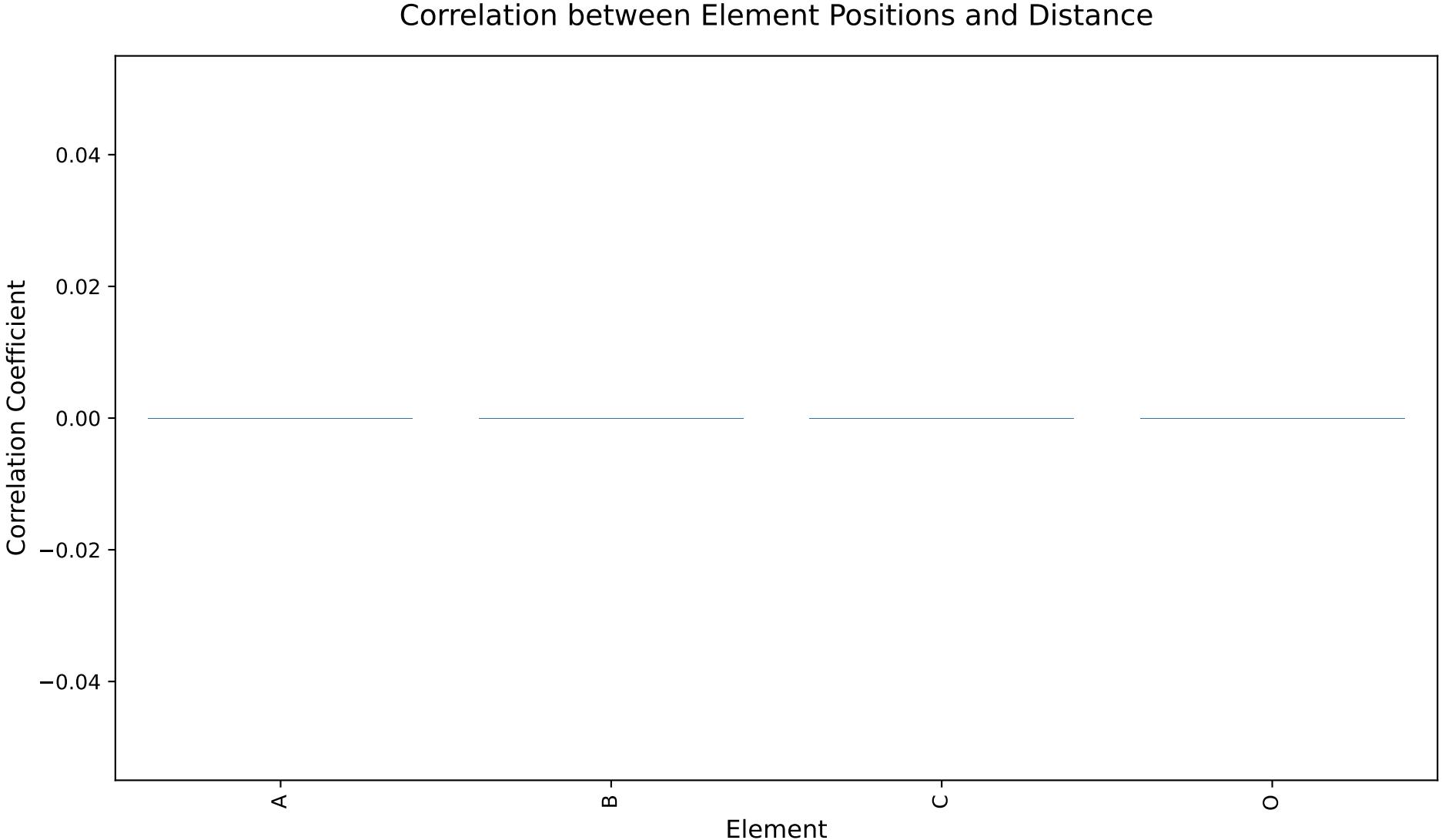
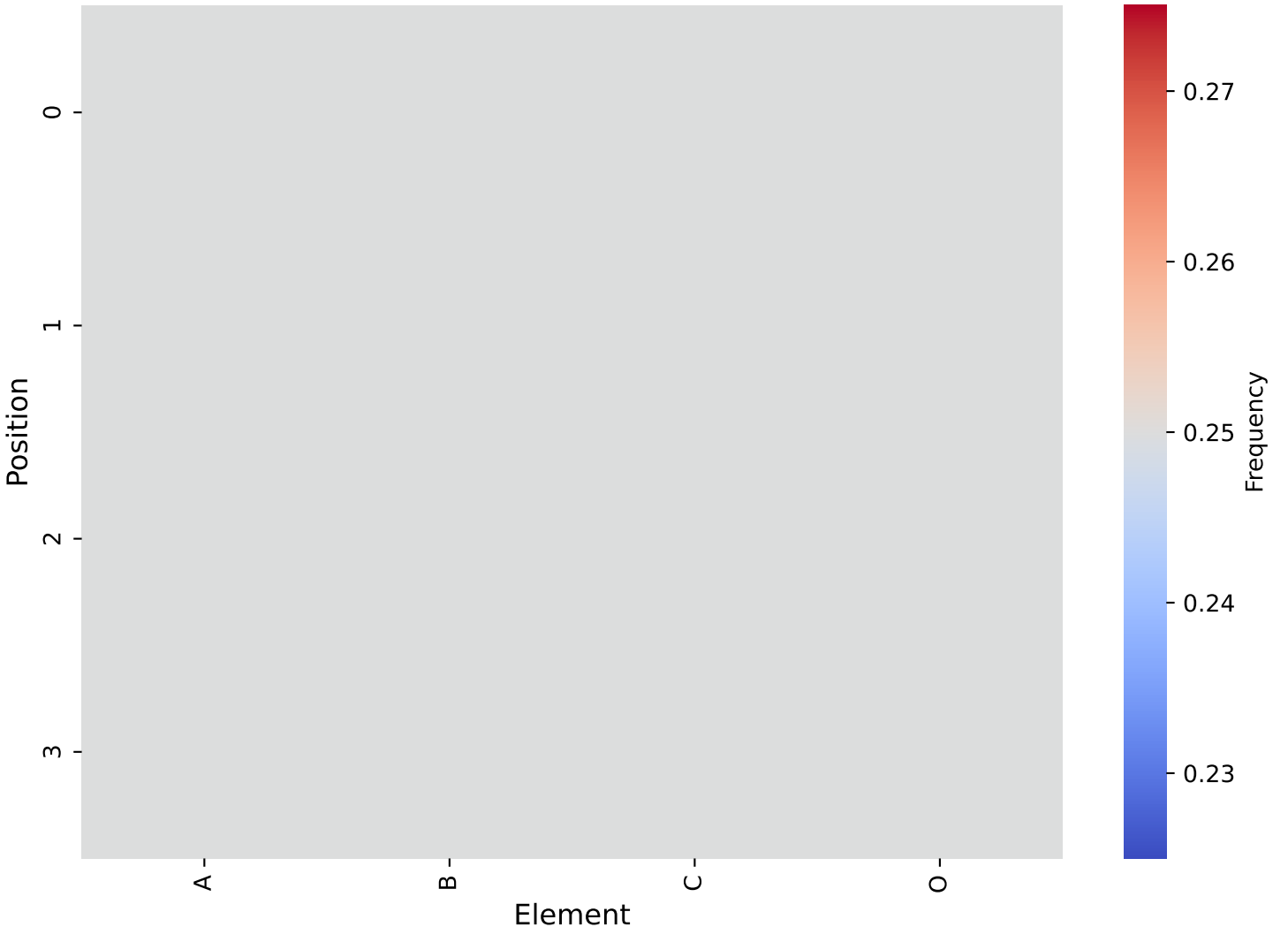


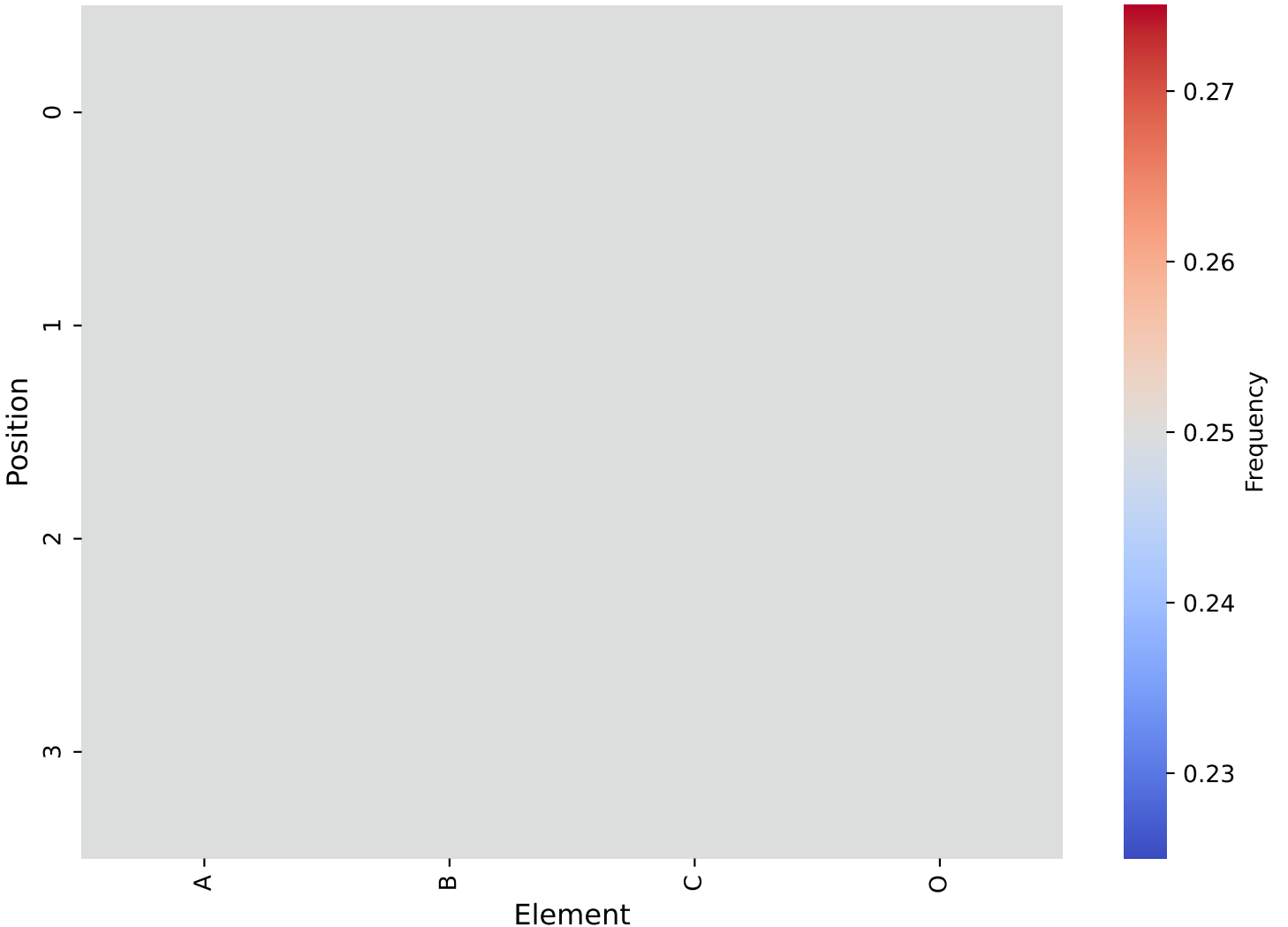
Histogram showing how distances vary across all permutations.



Boxplot illustrating the central tendency and dispersion of distances.


Correlation between Element Positions and Distance
Correlation Coefficient
0.04
0.02
0.00
−0.02
−0.04
A
B
C
O
Element


Element Frequencies at Positions for Distance 0.1
Position
0
1
2
3
A
B
C
O
Element
Frequency
0.27
0.26
0.25
0.24
0.23


Element Frequencies at Positions for Distance 0.1
Position
0
1
2
3
A
B
C
O
Element
Frequency
0.27
0.26
0.25
0.24
0.23

Statistical Summary of Distances

	Value
Mean	1.000000e-01
Median	1.000000e-01
Standard Deviation	1.387779e-17
Variance	1.925930e-34
Minimum	1.000000e-01
Maximum	1.000000e-01

Shapiro-Wilk Normality Test Results:

Test	Statistic	p-value
Shapiro-Wilk	1.0	1.0

This page summarizes key statistical measures of the distance data.

Permutations with Minimal Distance: 0.1

C, O, B, A
O, B, A, C
C, A, B, O
B, O, A, C
A, B, C, O
O, C, B, A
B, A, O, C
O, A, C, B
O, B, C, A
A, O, B, C
A, O, C, B
O, A, B, C
C, O, A, B
B, C, A, O
A, C, B, O
C, B, A, O
C, A, O, B
B, C, O, A
B, O, C, A
C, B, O, A
O, C, A, B
A, B, O, C
A, C, O, B
B, A, C, O

Permutations resulting in the minimal total distance among trees.

Permutations with Maximal Distance: 0.1

C, O, B, A
O, B, A, C
C, A, B, O
B, O, A, C
A, B, C, O
O, C, B, A
B, A, O, C
O, A, C, B
O, B, C, A
A, O, B, C
A, O, C, B
O, A, B, C
C, O, A, B
B, C, A, O
A, C, B, O
C, B, A, O
C, A, O, B
B, C, O, A
B, O, C, A
C, B, O, A
O, C, A, B
A, B, O, C
A, C, O, B
B, A, C, O

Permutations resulting in the maximal total distance among trees.