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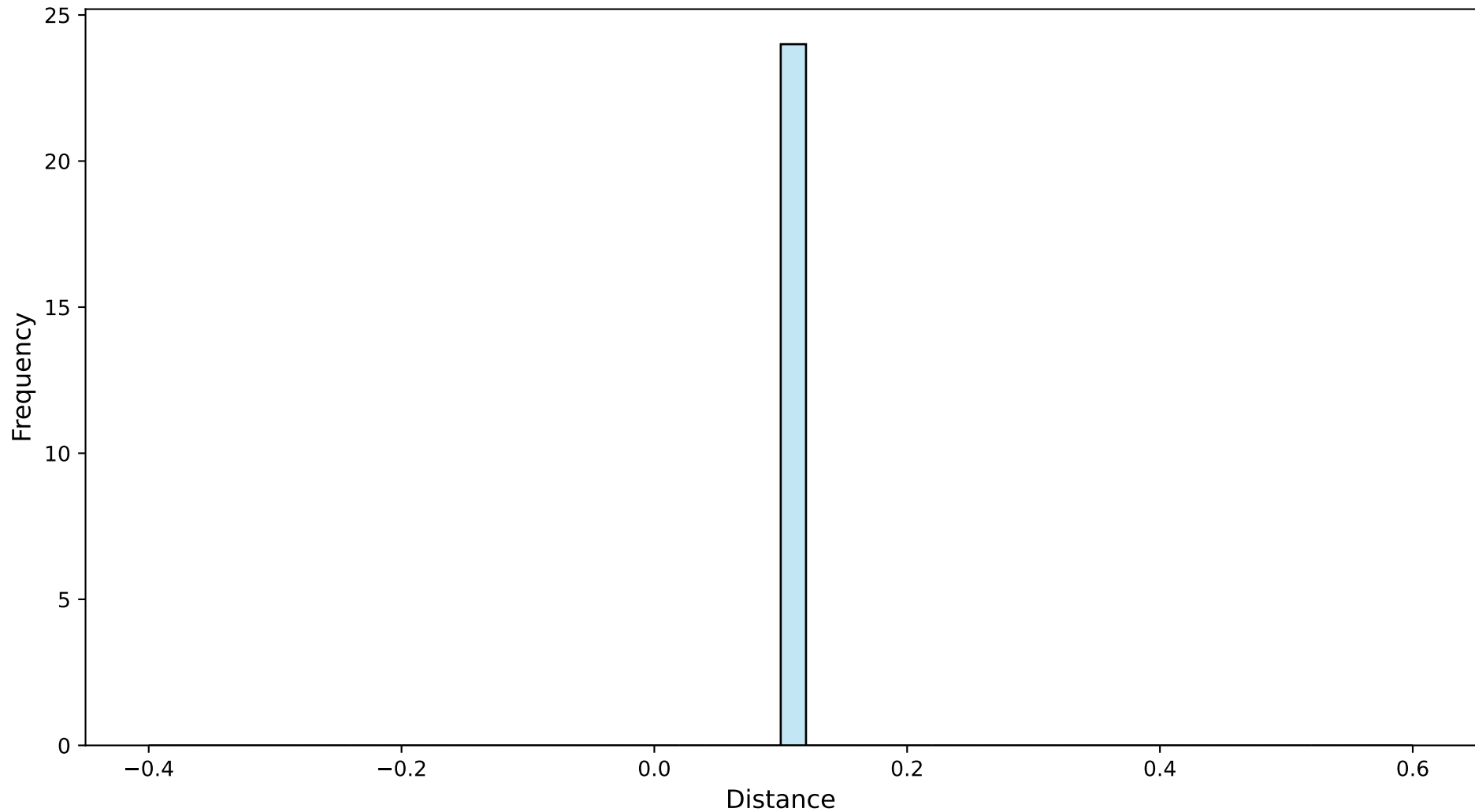
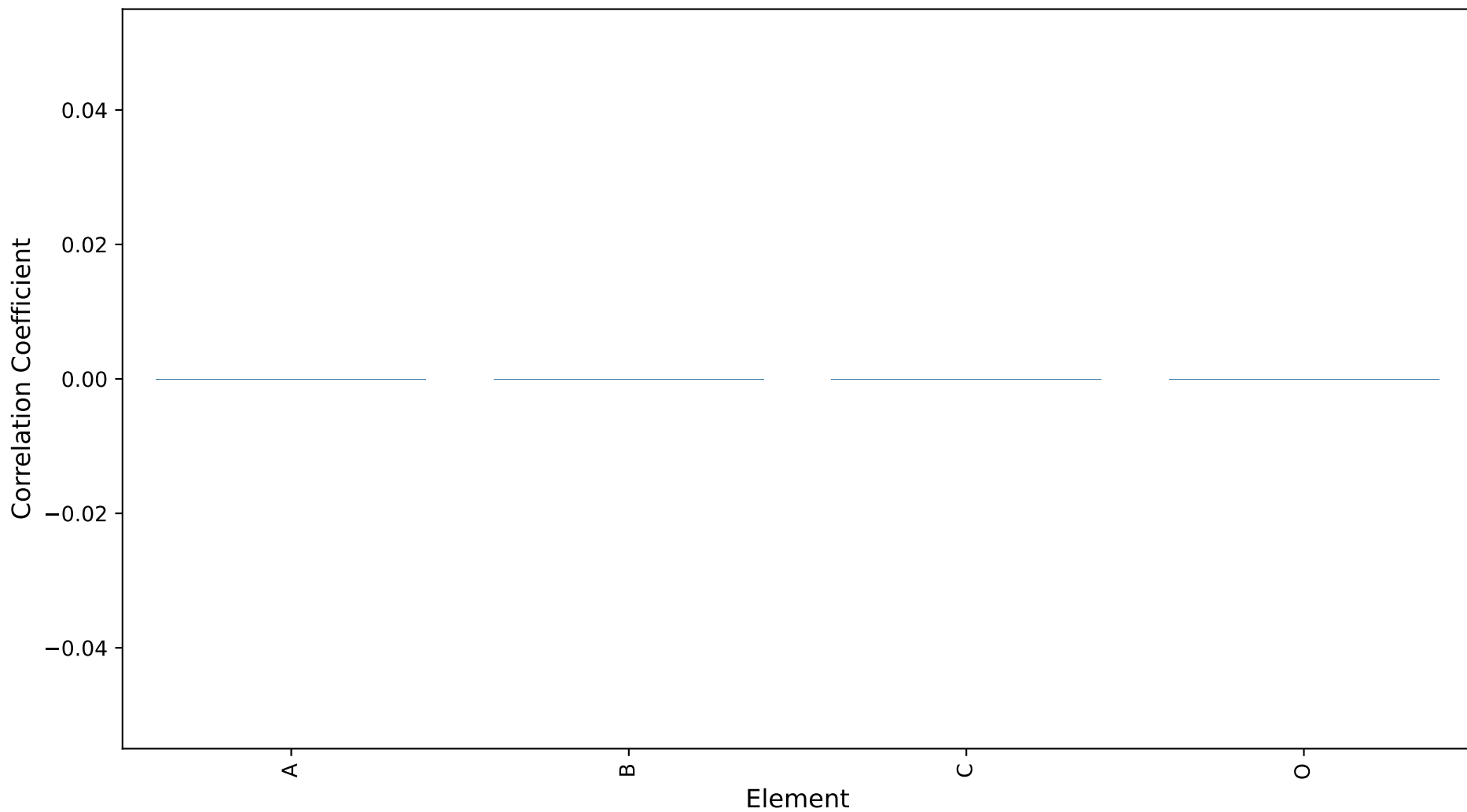Histogram showing how distances vary across all permutations.
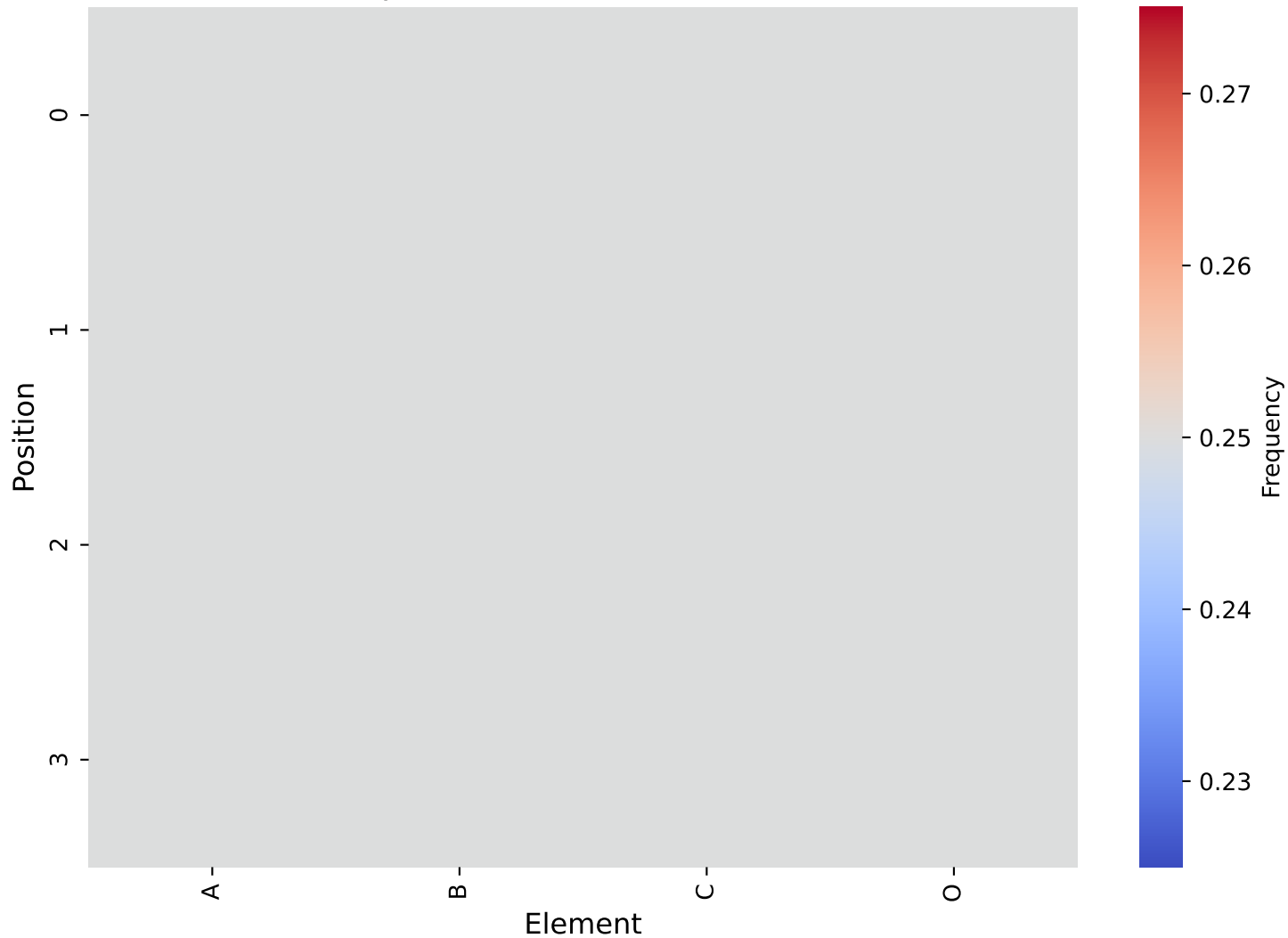
Summary Statistics of Distances

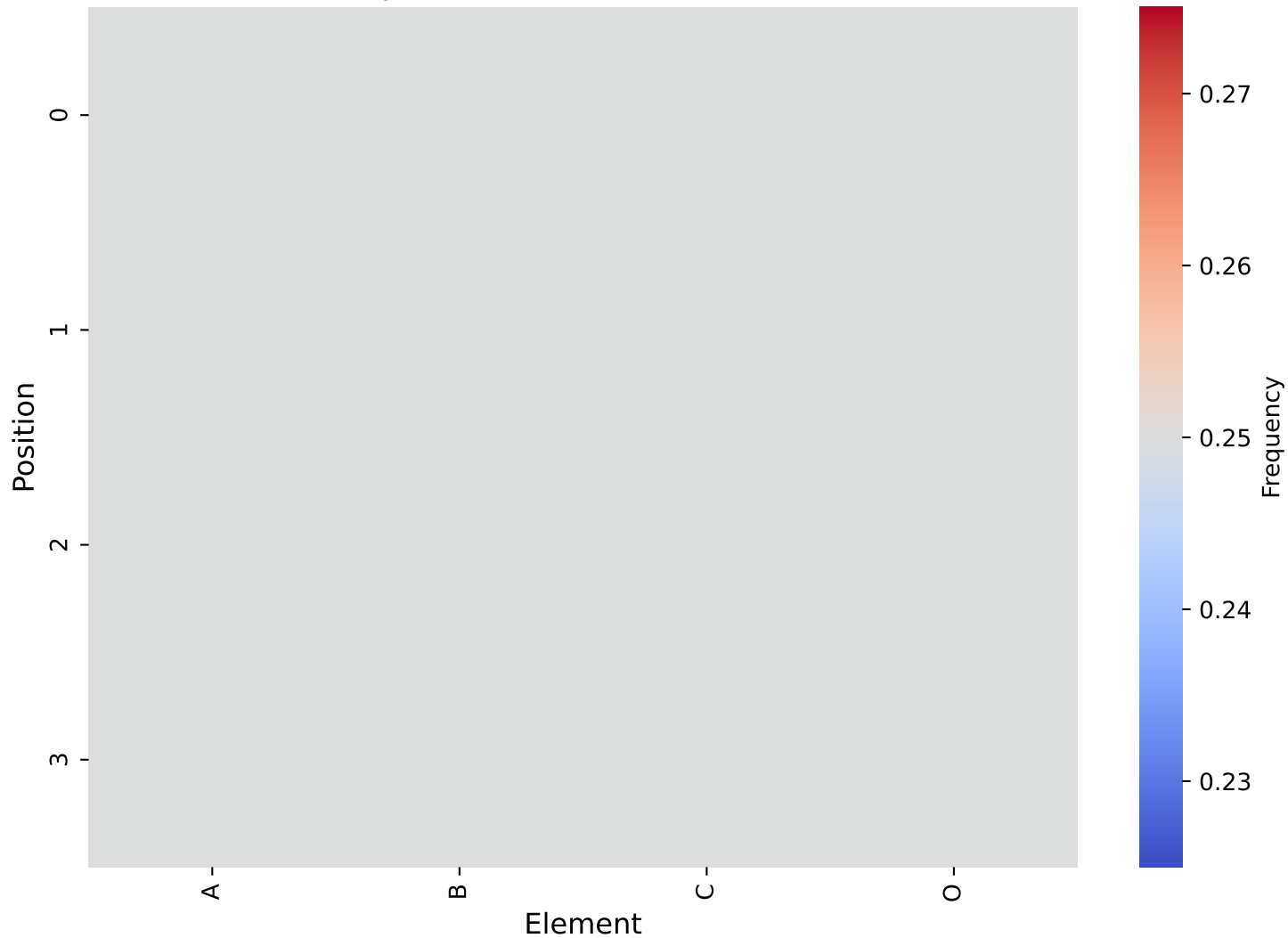Boxplot illustrating the central tendency and dispersion of distances.

Correlation between Element Positions and Distance

Element Frequencies at Positions for Distance 0.1

Element Frequencies at Positions for Distance 0.1

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

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

Permutations resulting in the minimal total distance among trees.

Permutations with Maximal Distance: 0.1

```
0,  A,  C,  B
A,  B,  C,  0
B,  A,  0,  C
B,  A,  C,  0
A,  C,  B,  0
C,  B,  0,  A
C,  B,  A,  0
C,  0,  B,  A
A,  B,  0,  C
C,  A,  B,  0
A,  0,  B,  C
A,  C,  0,  B
0,  C,  B,  A
0,  B,  A,  C
0,  B,  C,  A
C,  0,  A,  B
C,  A,  0,  B
0,  A,  B,  C
B,  0,  C,  A
A,  0,  C,  B
0,  C,  A,  B
B,  0,  A,  C
B,  C,  A,  0
B,  C,  0,  A
```

Permutations resulting in the maximal total distance among trees.