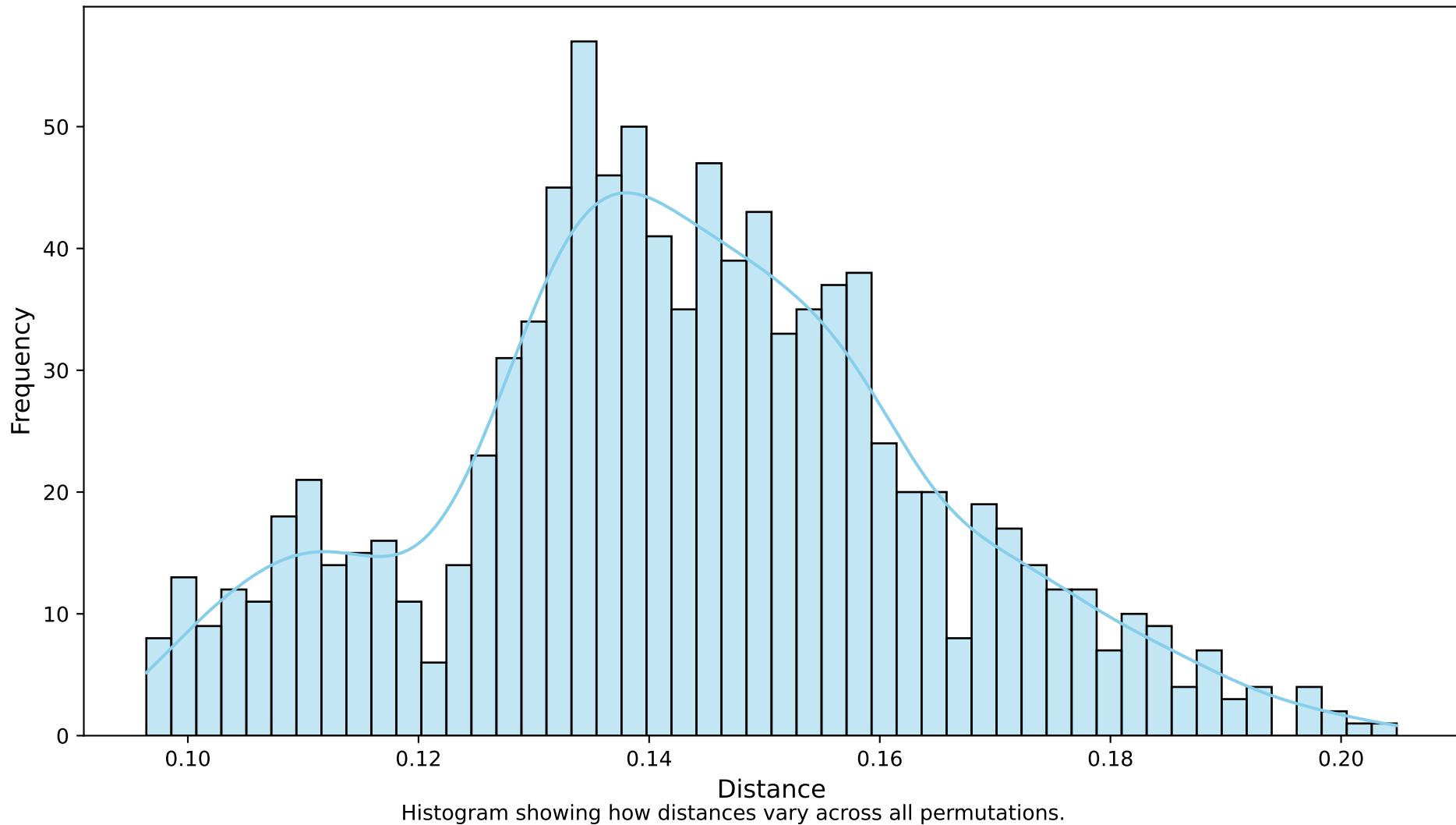
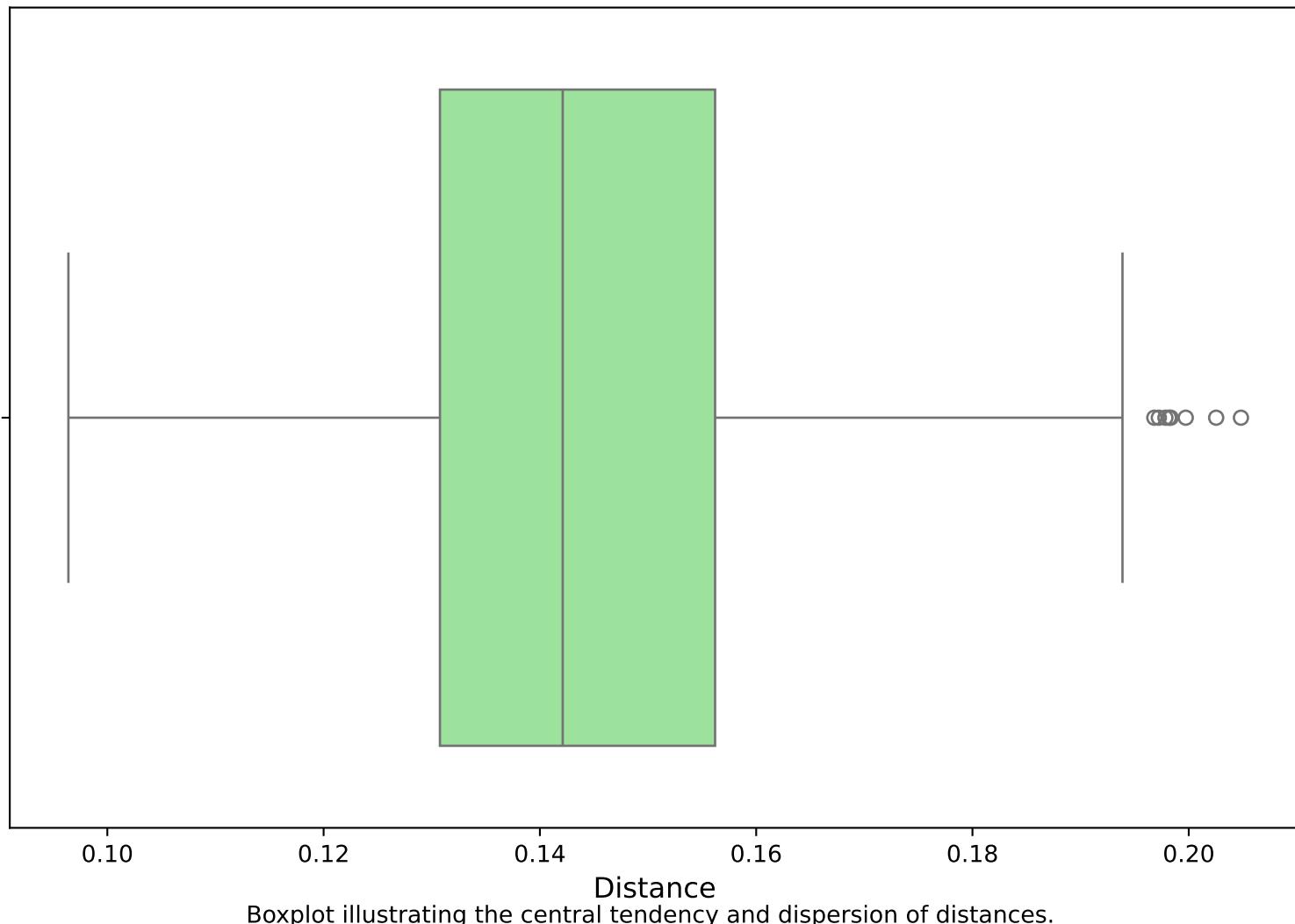


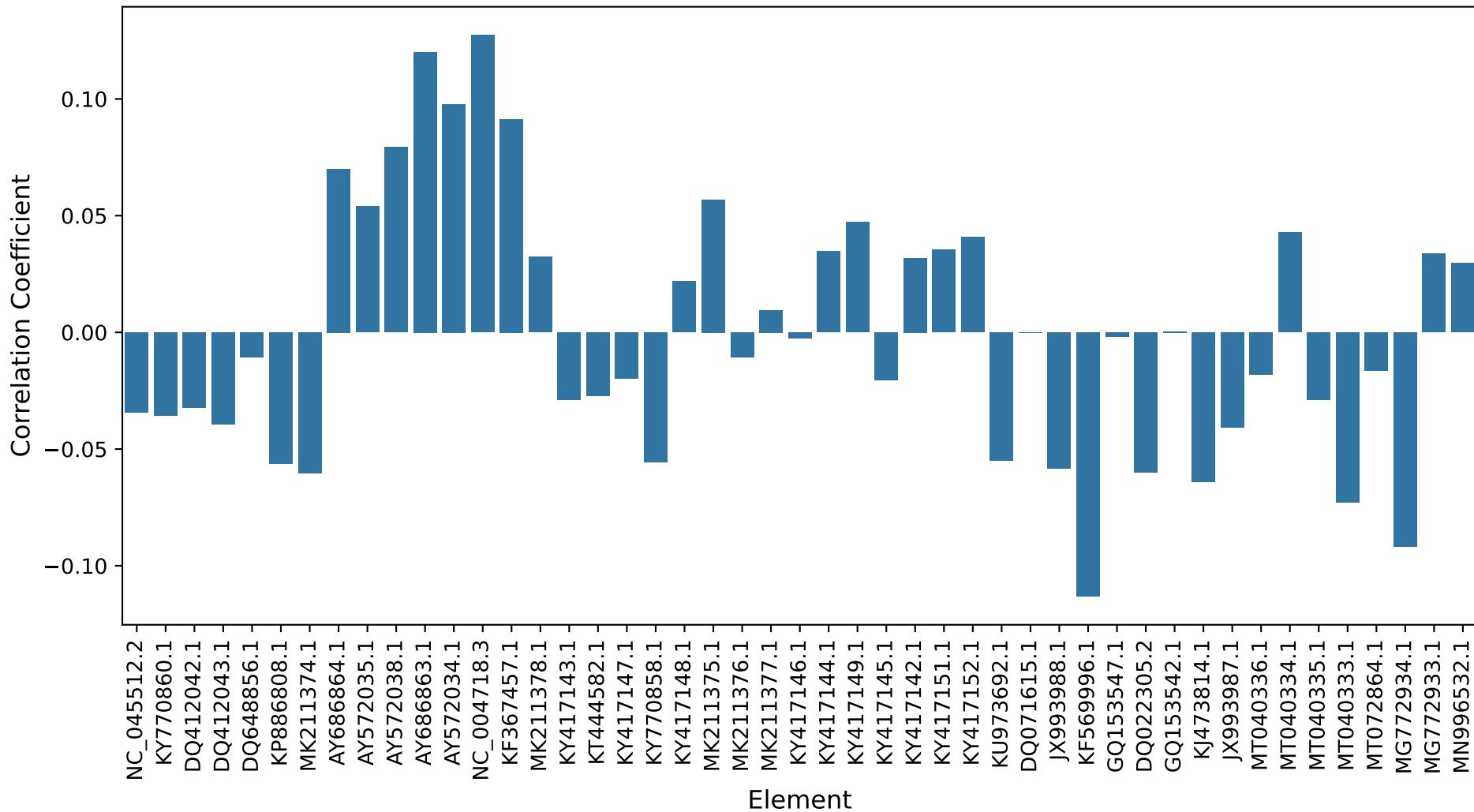
Distribution of Distances Across Permutations



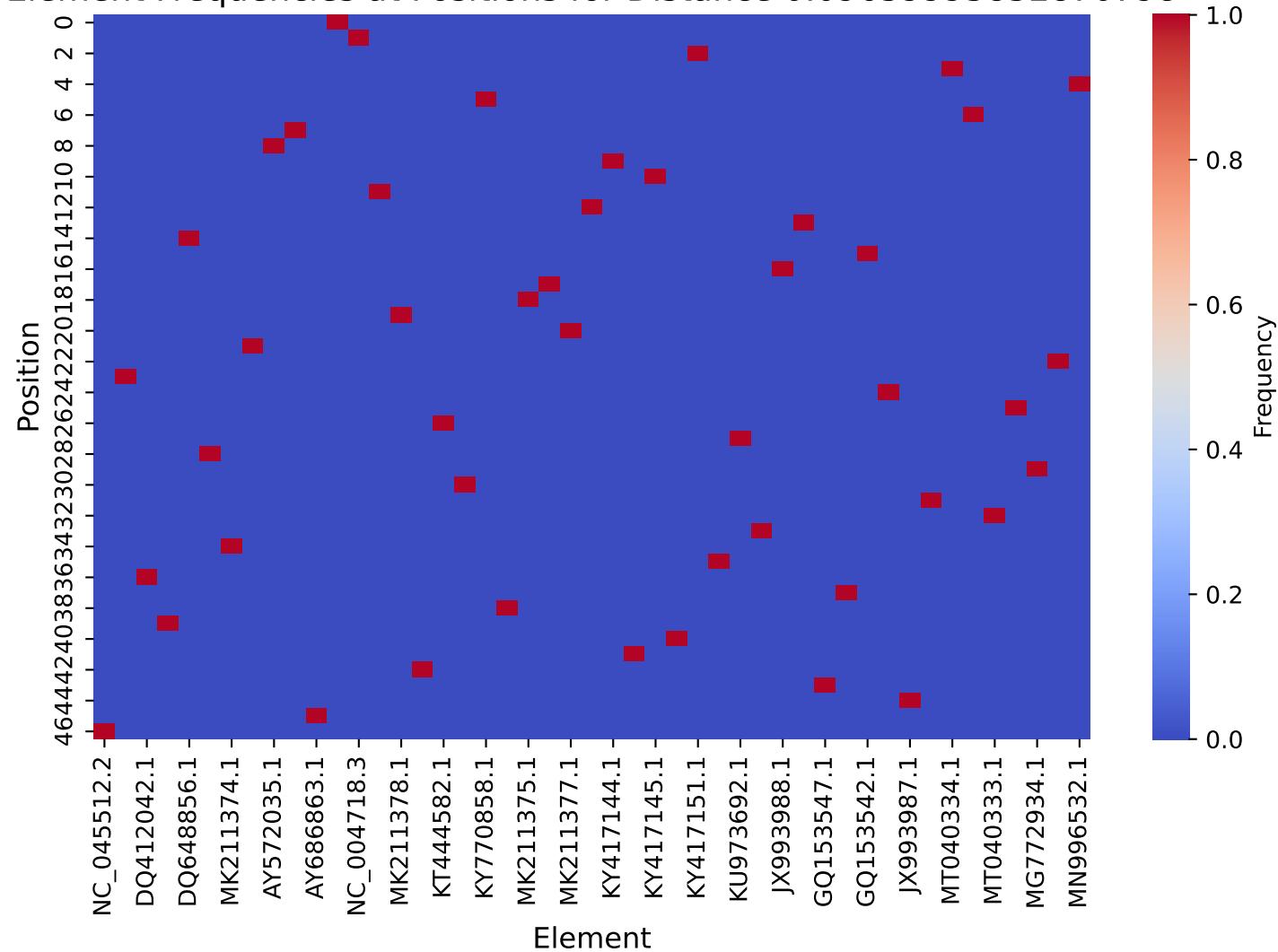
Summary Statistics of Distances



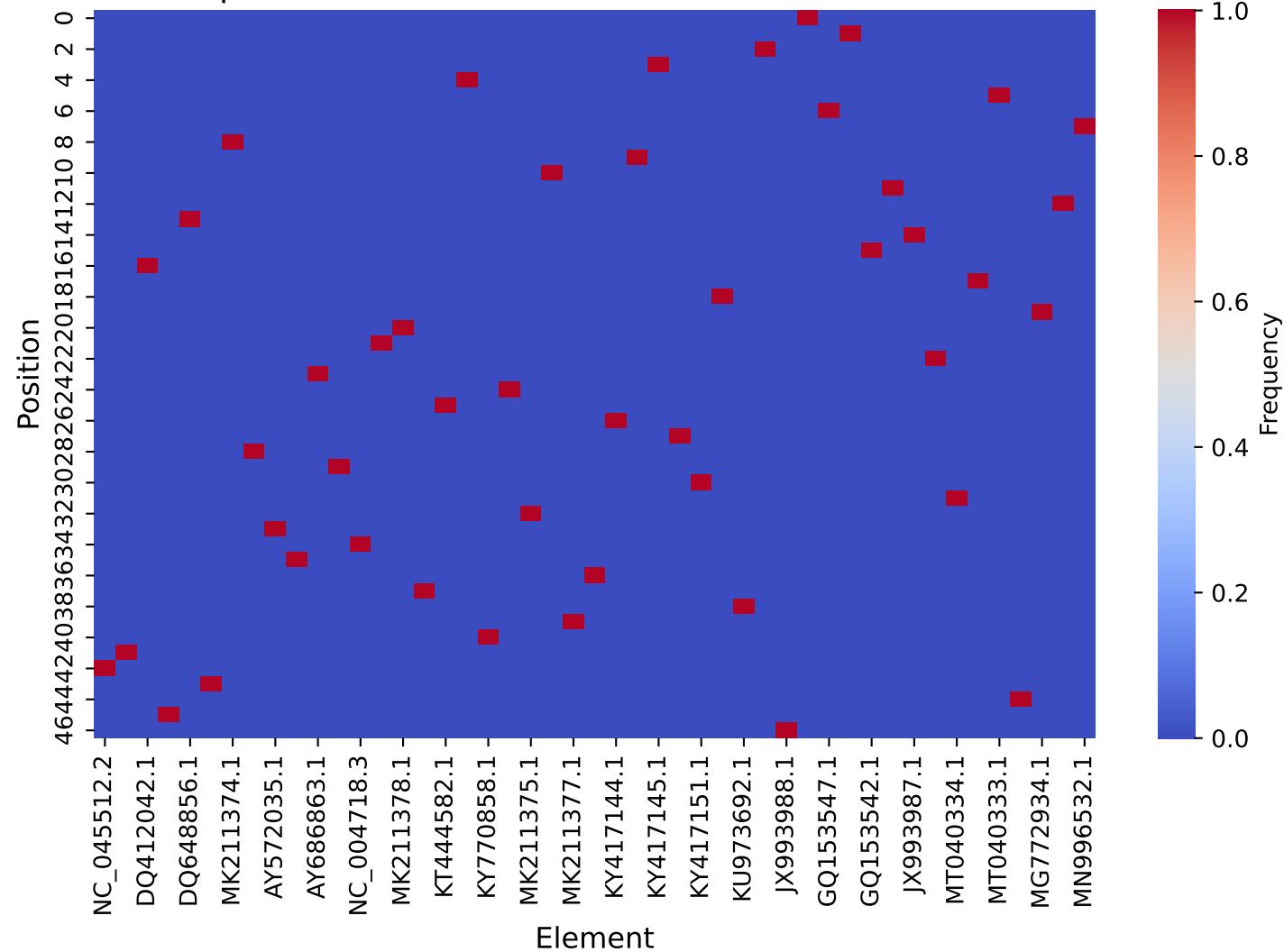
Correlation between Element Positions and Distance



Element Frequencies at Positions for Distance 0.09639993832870798



Element Frequencies at Positions for Distance 0.20482577860006168



Statistical Summary of Distances

	Value
Mean	0.142929
Median	0.142110
Standard Deviation	0.020968
Variance	0.000440
Minimum	0.096400
Maximum	0.204826

Shapiro-Wilk Normality Test Results:

Test	Statistic	p-value
Shapiro-Wilk	0.991473	0.000015

Permutations with Minimal Distance: 0.09639993832870798

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

Permutations with Maximal Distance: 0.20482577860006168

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