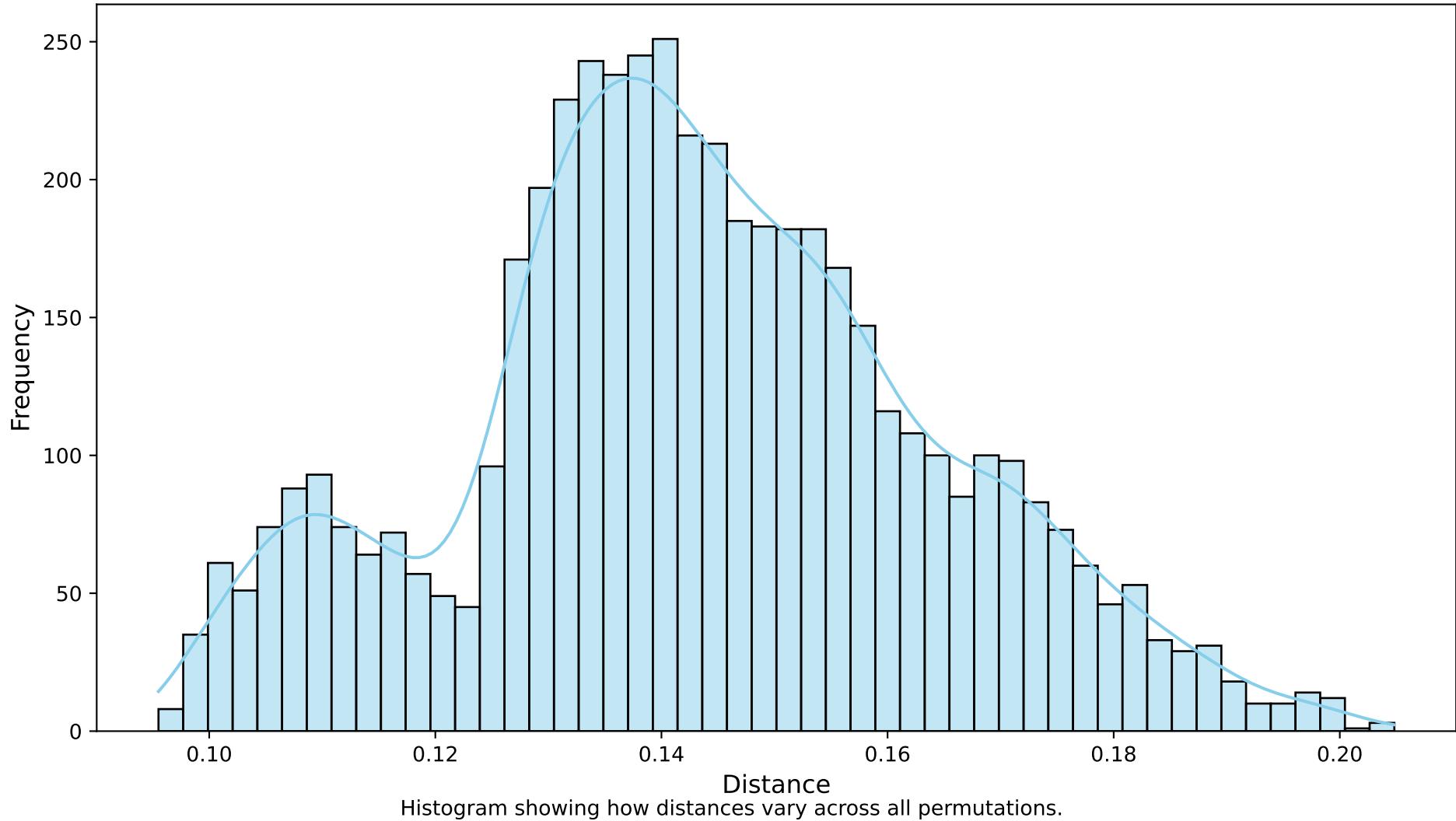
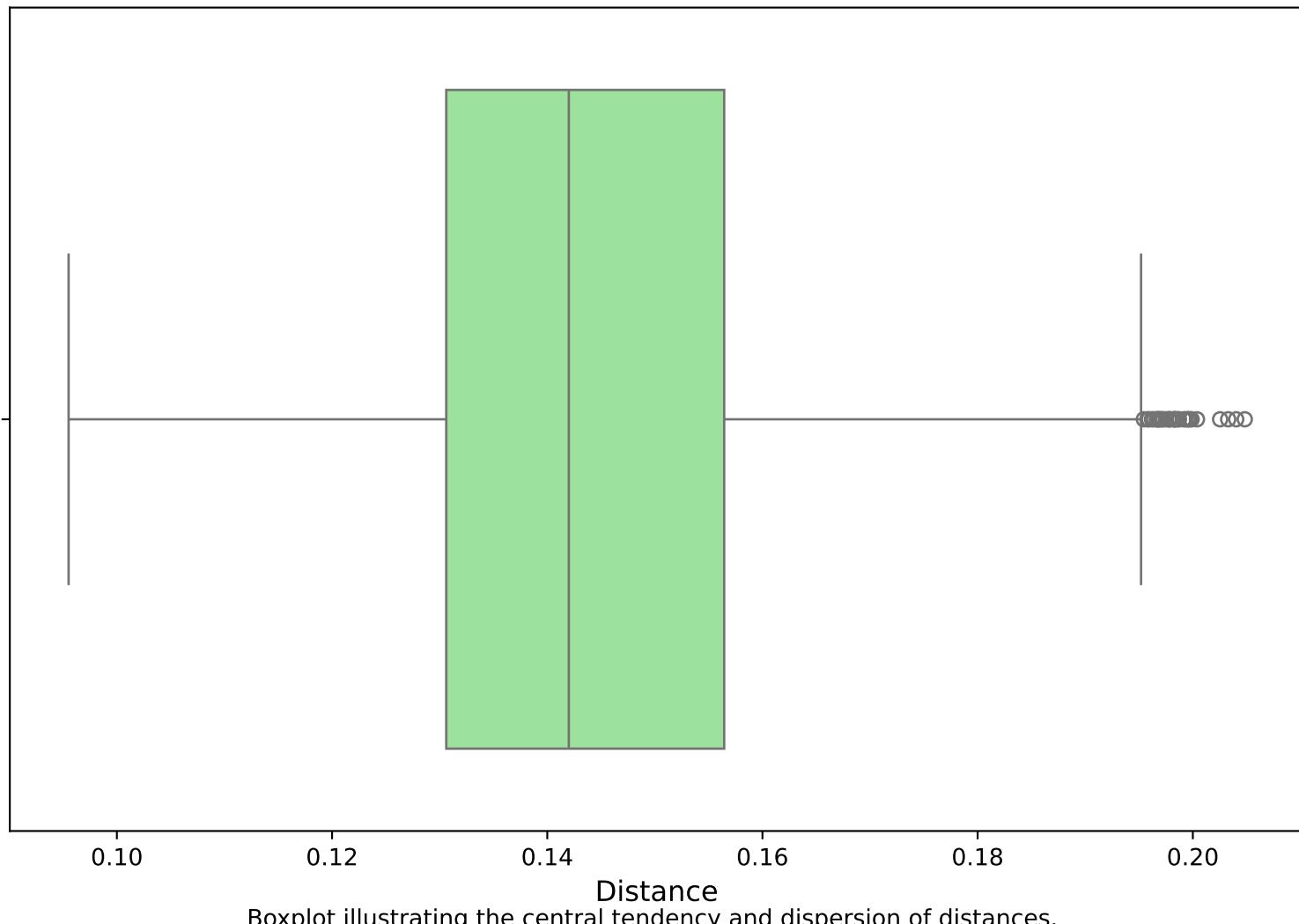


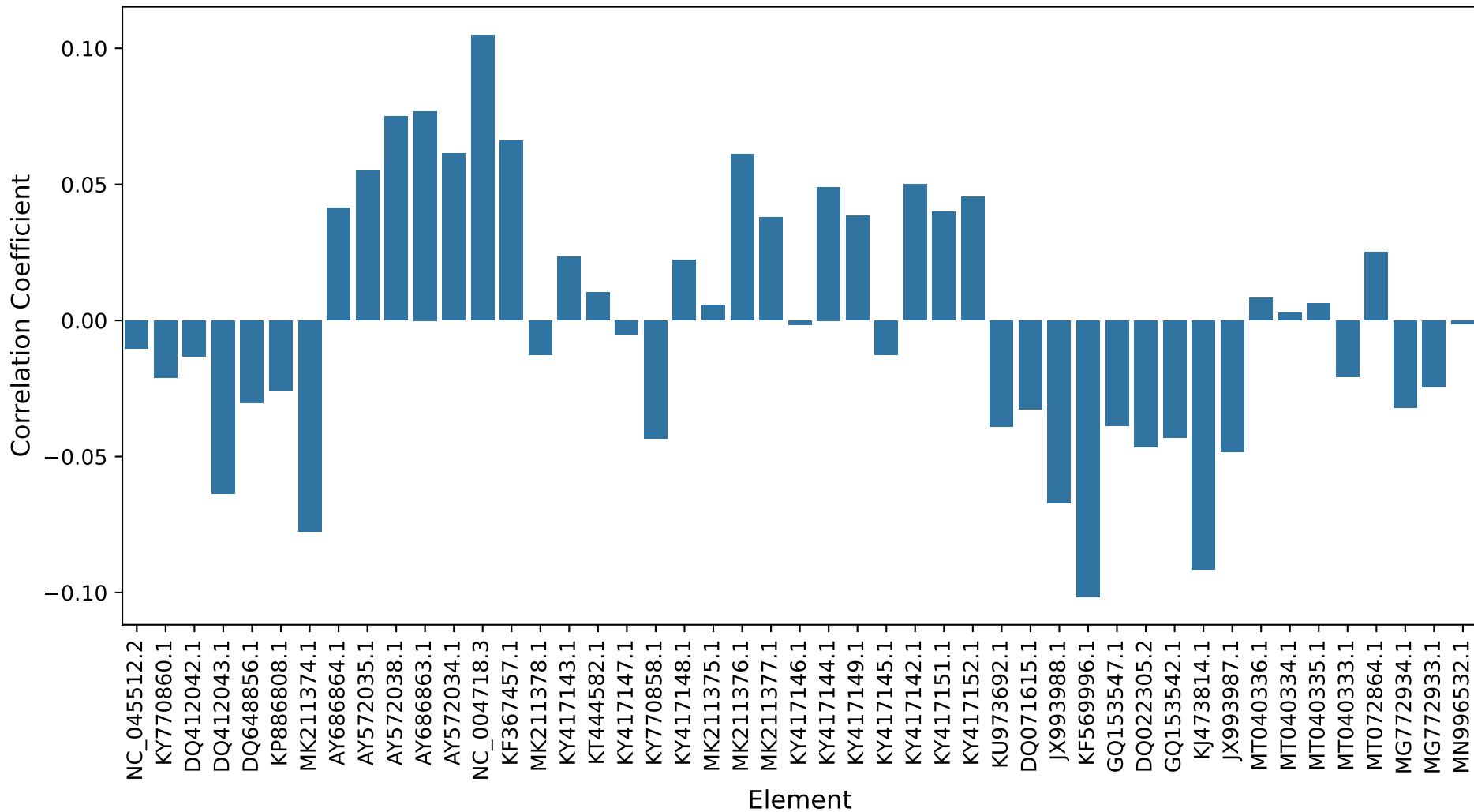
Distribution of Distances Across Permutations



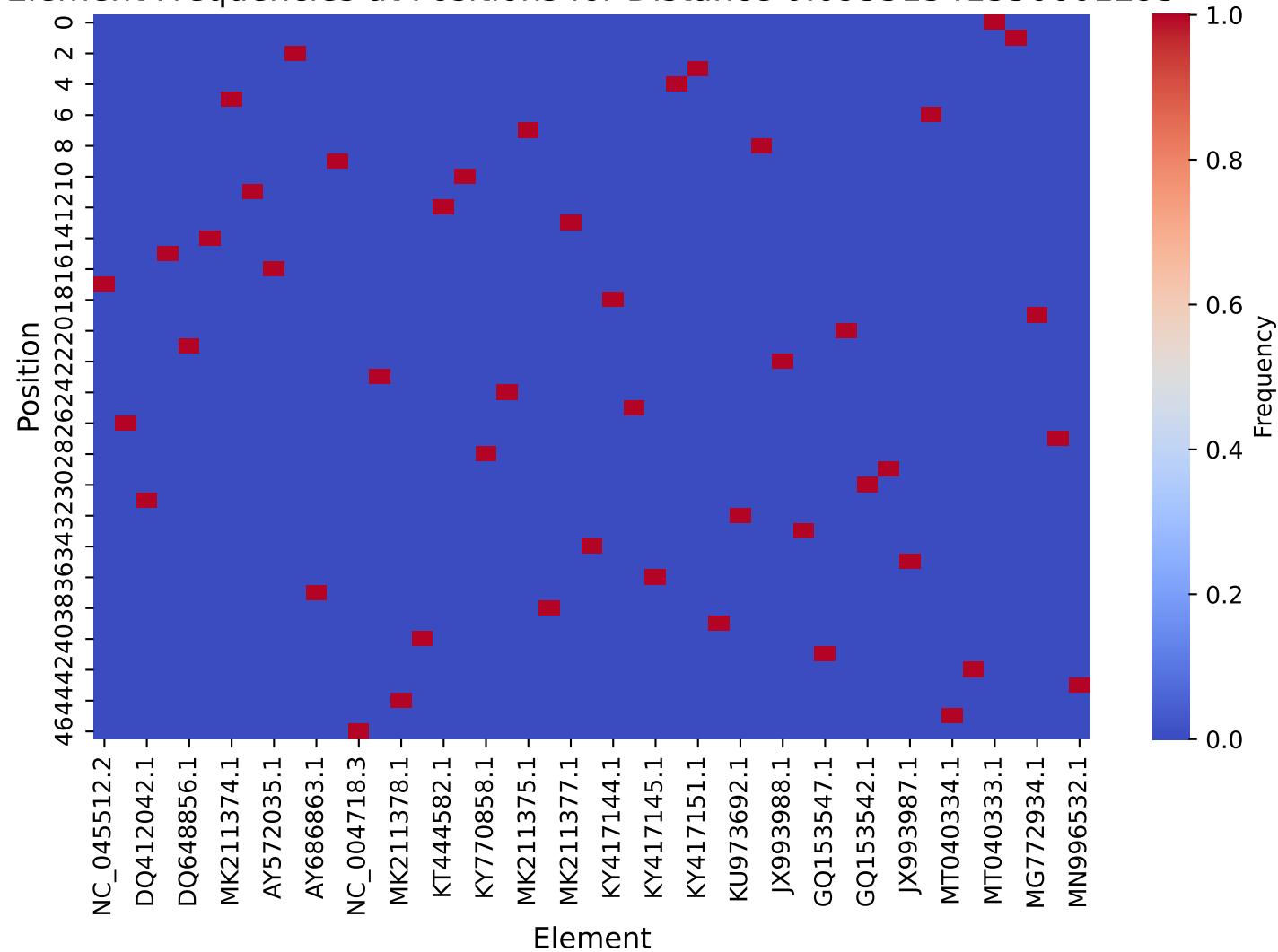
Summary Statistics of Distances



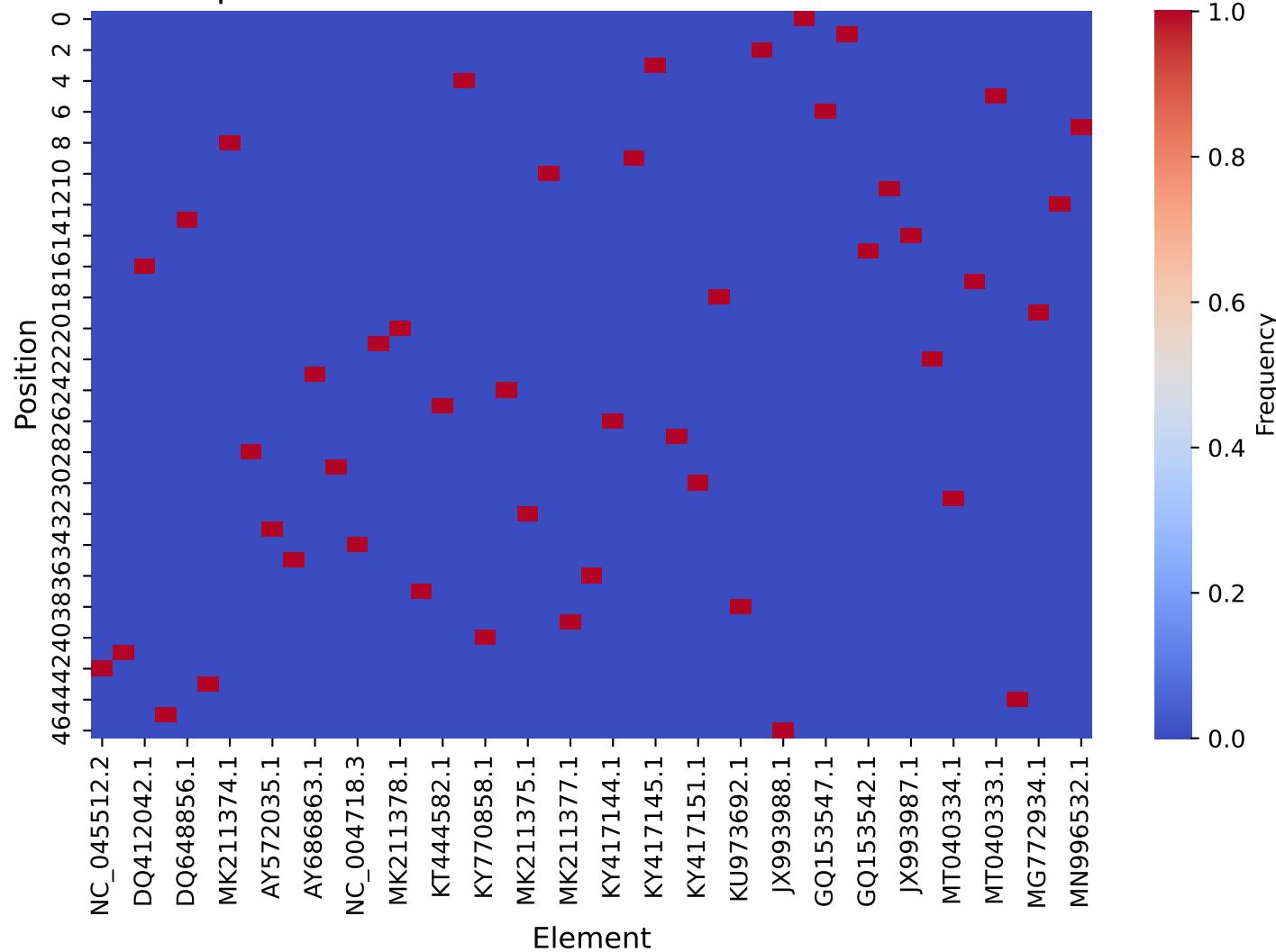
Correlation between Element Positions and Distance



Element Frequencies at Positions for Distance 0.09551341350601295



Element Frequencies at Positions for Distance 0.20482577860006168



Statistical Summary of Distances

	Value
Mean	0.143215
Median	0.142002
Standard Deviation	0.020802
Variance	0.000433
Minimum	0.095513
Maximum	0.204826

Shapiro-Wilk Normality Test Results:

Test	Statistic	p-value
Shapiro-Wilk	0.991556	1.075889e-16

Permutations with Minimal Distance: 0.09551341350601295

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

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