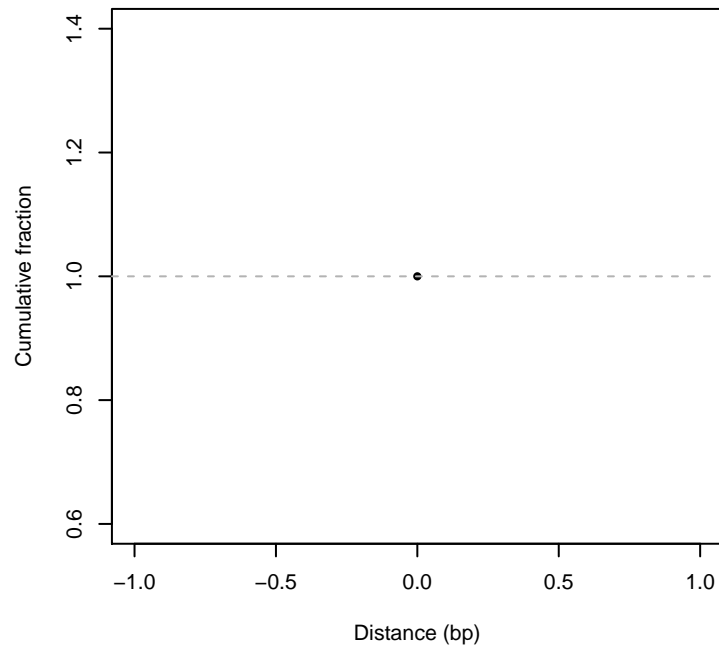


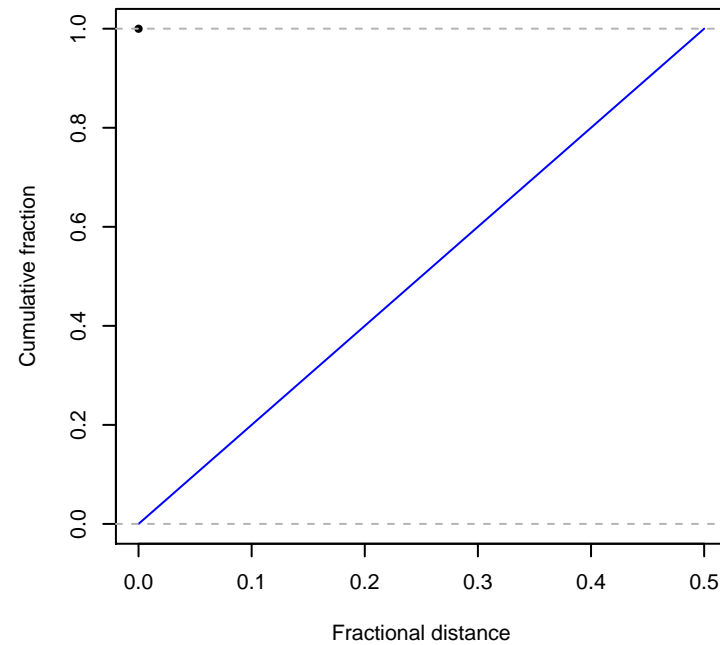
pcontig_000

Query population : 53
Reference population : 540
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.64539

Absolute distances



Relative distances



pcontig_001

Query population : 63
Reference population : 490
Relative Ks p-value : 6.66134e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.02375

Absolute distances



Relative distances



pcontig_002

Query population : 36
Reference population : 436
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.02441

Absolute distances



Relative distances



pcontig_003

Query population : 43
Reference population : 403
Relative Ks p-value : 4.44089e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.06326

Absolute distances



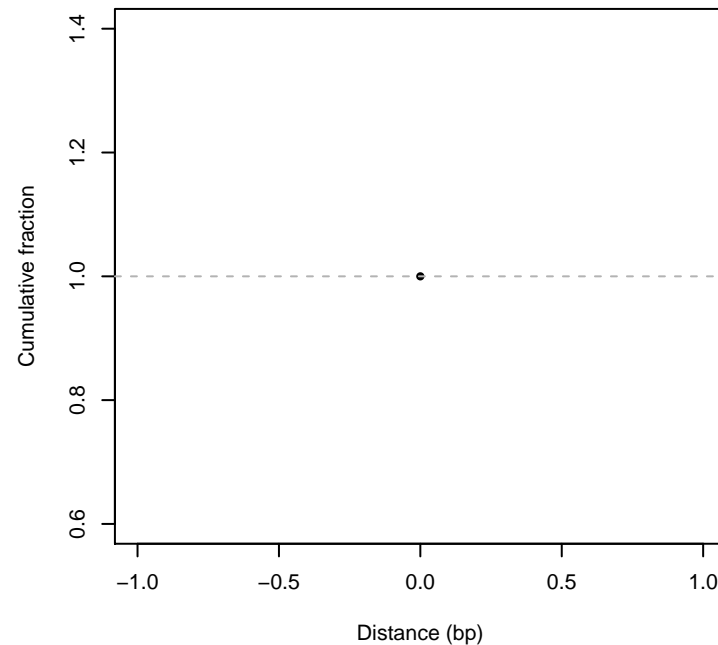
Relative distances



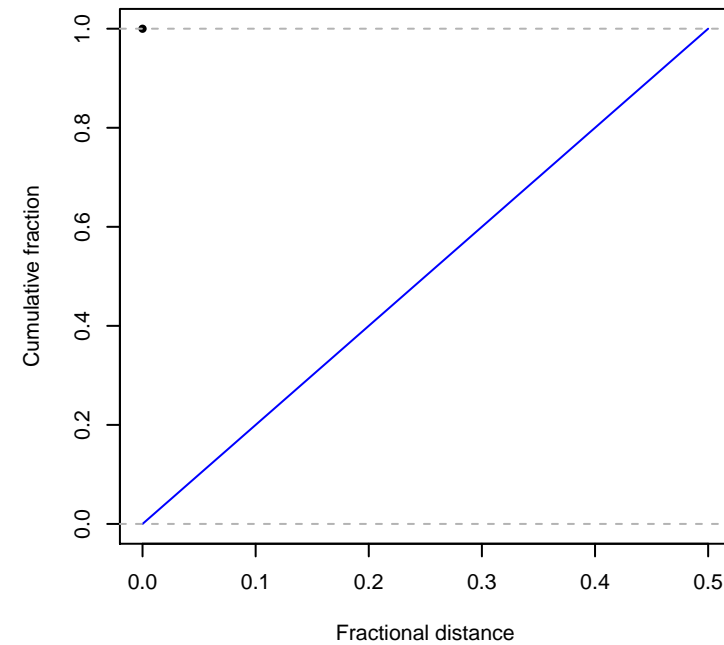
pcontig_004

Query population : 32
Reference population : 332
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.39885

Absolute distances



Relative distances



pcontig_005

Query population : 41
Reference population : 359
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.85796

Absolute distances



Relative distances



pcontig_006

Query population : 48
Reference population : 395
Relative Ks p-value : 8.88178e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.82894

Absolute distances



Relative distances



pcontig_007

Query population : 29
Reference population : 349
Relative Ks p-value : 1.11022e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.65872

Absolute distances



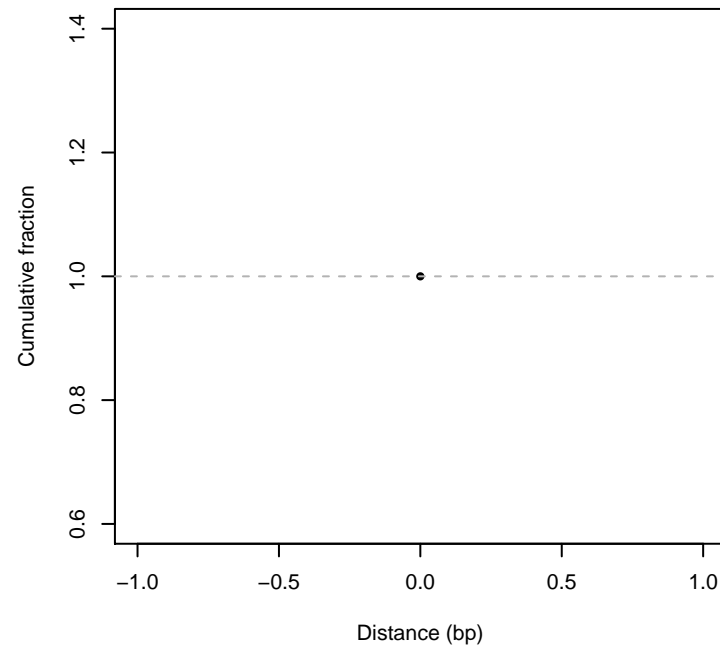
Relative distances



pcontig_008

Query population : 26
Reference population : 293
Relative Ks p-value : 5.55112e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.16915

Absolute distances



Relative distances



pcontig_009

Query population : 29
Reference population : 298
Relative Ks p-value : 1.11022e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.12501

Absolute distances



Relative distances



pcontig_010

Query population : 12
Reference population : 279
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.48242

Absolute distances



Relative distances



pcontig_011

Query population : 47
Reference population : 302
Relative Ks p-value : 5.55112e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.66189

Absolute distances



Relative distances



pcontig_012

Query population : 26
Reference population : 280
Relative Ks p-value : 5.55112e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.01352

Absolute distances



Relative distances



pcontig_013

Query population : 22
Reference population : 312
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.3989

Absolute distances



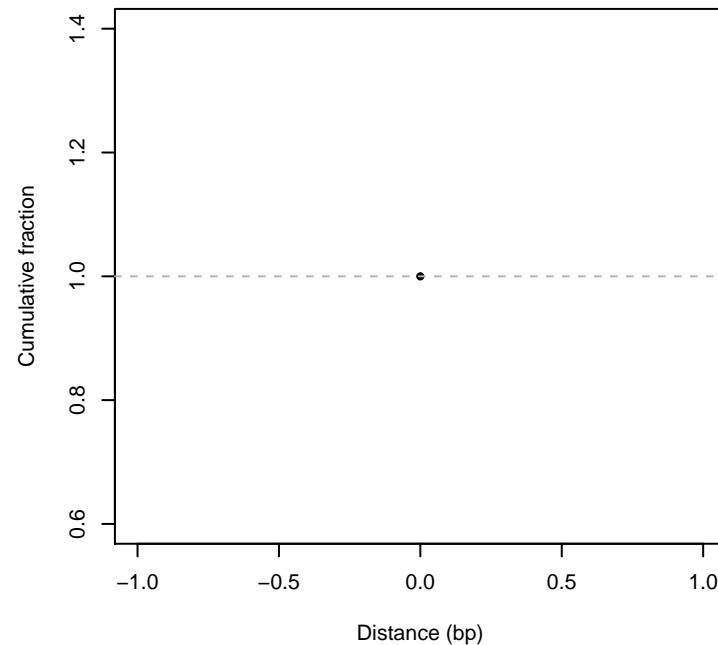
Relative distances



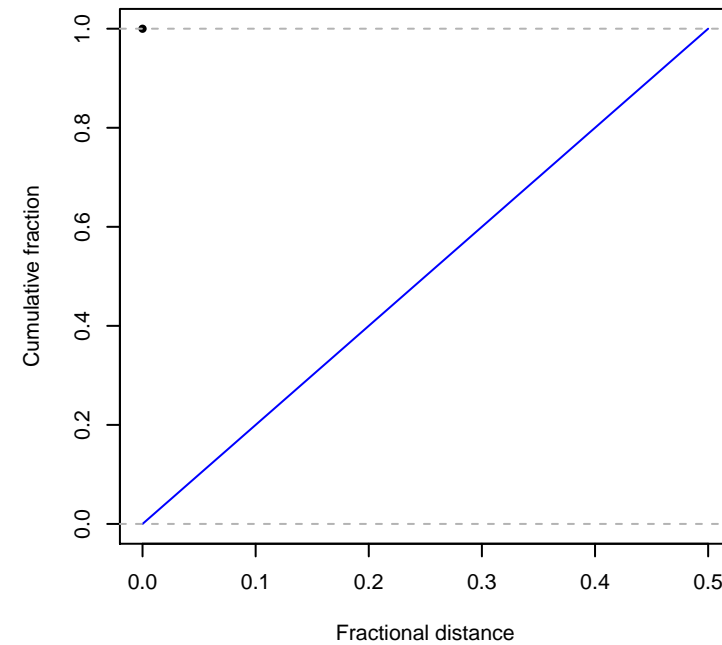
pcontig_014

Query population : 28
Reference population : 267
Relative Ks p-value : 7.77156e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.79262

Absolute distances



Relative distances



pcontig_015

Query population : 2
Reference population : 10
Relative Ks p-value : 2.77334e-13
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 267.283

Absolute distances



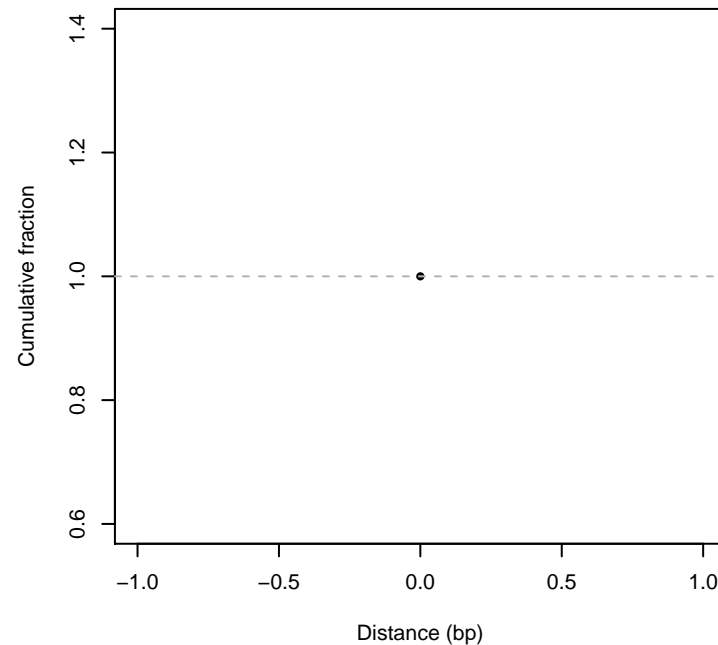
Relative distances



pcontig_016

Query population : 17
Reference population : 257
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.97898

Absolute distances



Relative distances



pcontig_017

Query population : 25
Reference population : 244
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.91671

Absolute distances



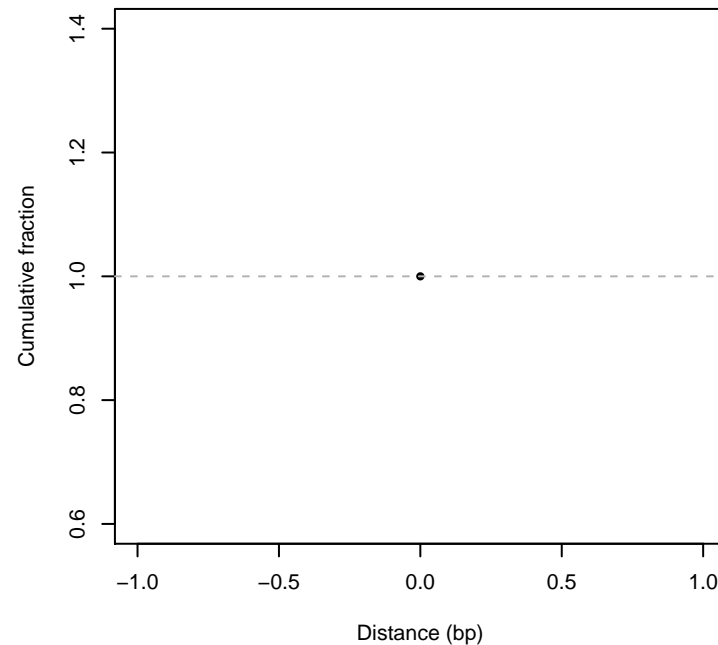
Relative distances



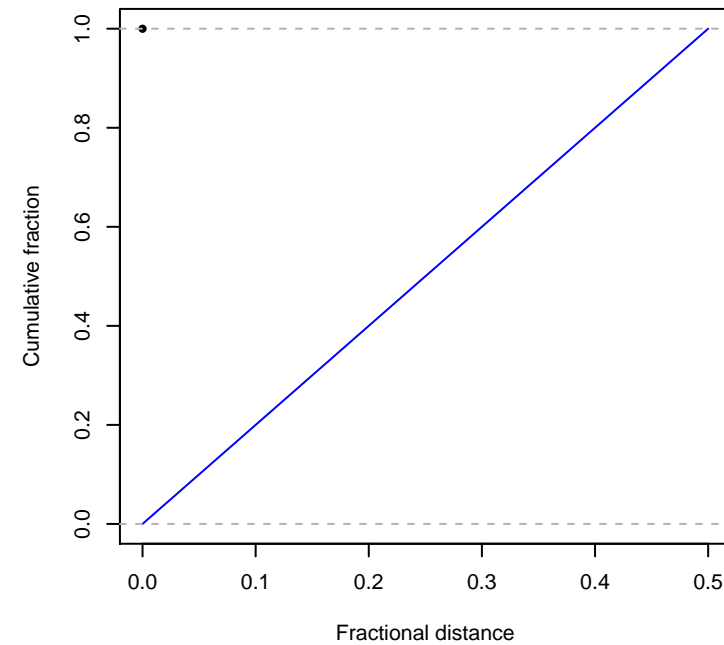
pcontig_018

Query population : 24
Reference population : 245
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.56062

Absolute distances



Relative distances



pcontig_019

Query population : 12
Reference population : 229
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.15853

Absolute distances



Relative distances



pcontig_020

Query population : 32
Reference population : 287
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.0563

Absolute distances



Relative distances



pcontig_021

Query population : 25
Reference population : 258
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.84892

Absolute distances



Relative distances



pcontig_022

Query population : 32
Reference population : 241
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.97998

Absolute distances



Relative distances



pcontig_023

Query population : 31
Reference population : 221
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.33768

Absolute distances



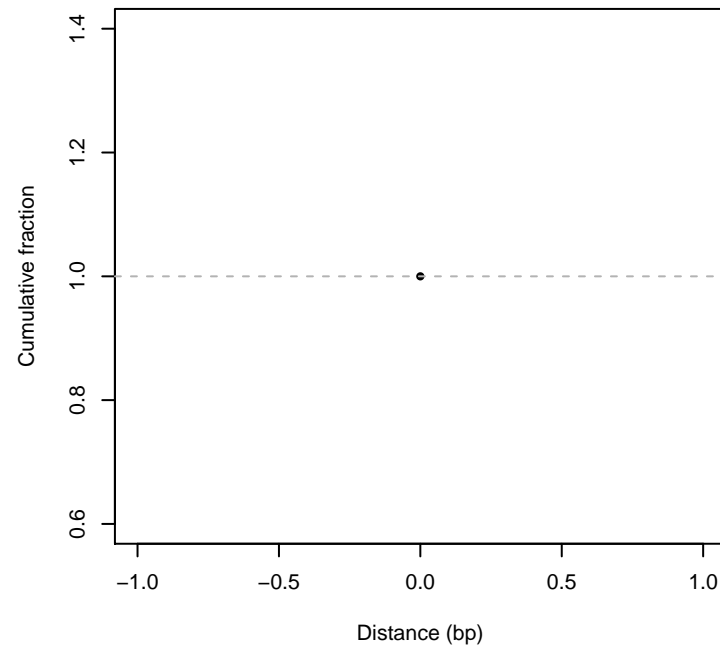
Relative distances



pcontig_024

Query population : 2
Reference population : 16
Relative Ks p-value : 4.54747e-13
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 129.609

Absolute distances



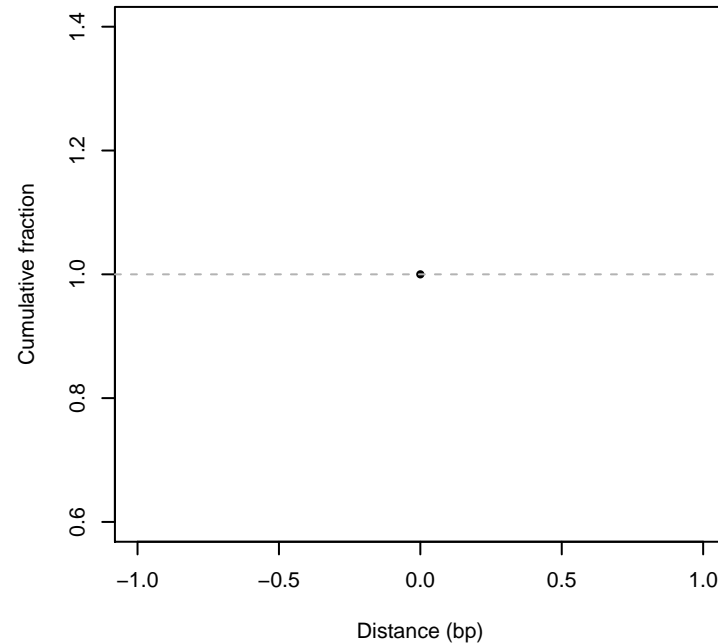
Relative distances



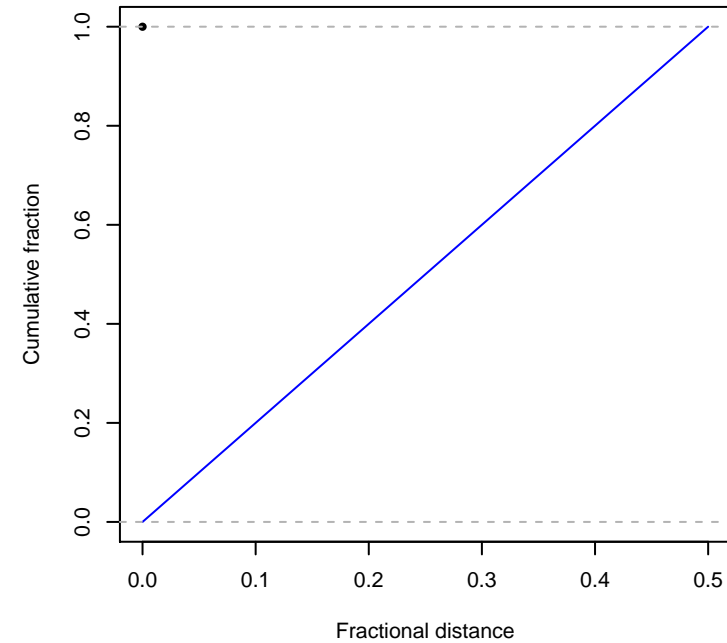
pcontig_025

Query population : 13
Reference population : 158
Relative Ks p-value : 2.22045e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.1043

Absolute distances

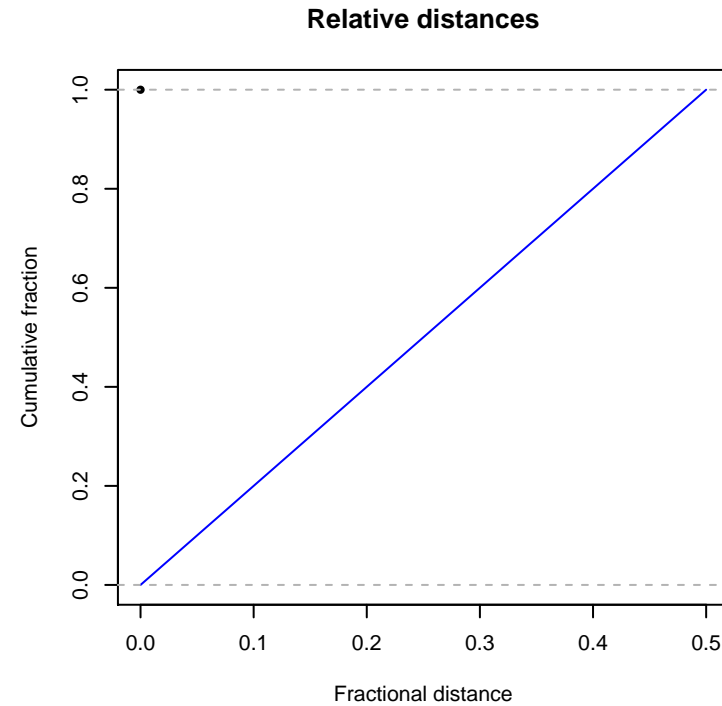
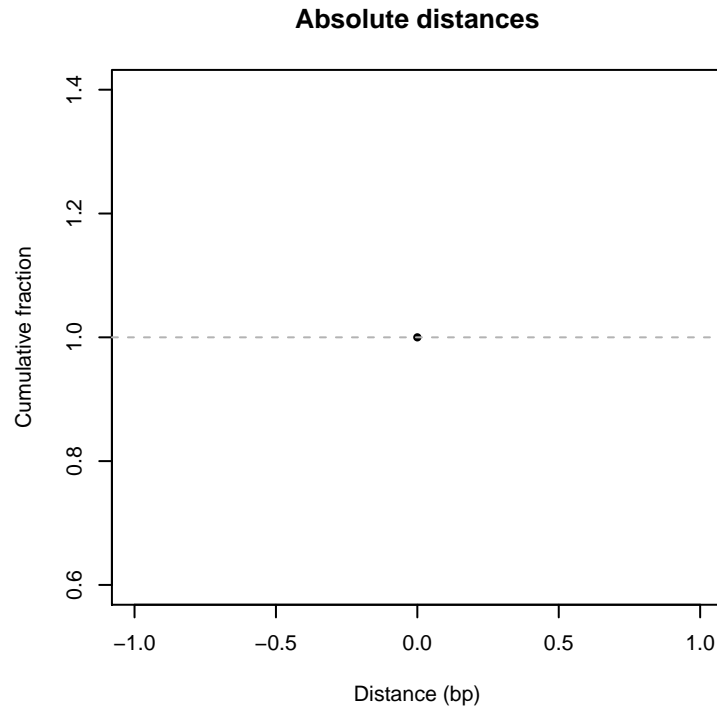


Relative distances



pcontig_026

Query population : 22
Reference population : 220
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.3436



pcontig_027

Query population : 25
Reference population : 209
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.88264

Absolute distances



Relative distances



pcontig_028

Query population : 15
Reference population : 166
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.45966

Absolute distances



Relative distances



pcontig_029

Query population : 19
Reference population : 201
Relative Ks p-value : 2.22045e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.1235

Absolute distances



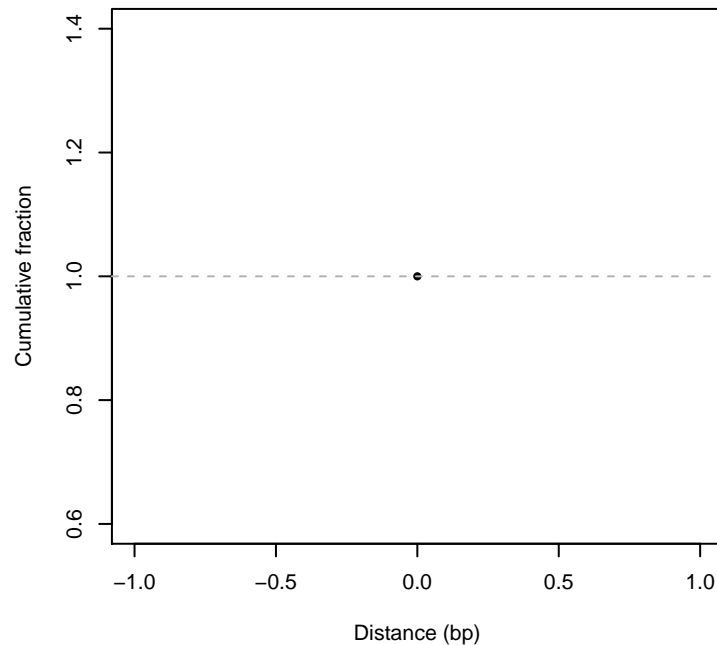
Relative distances



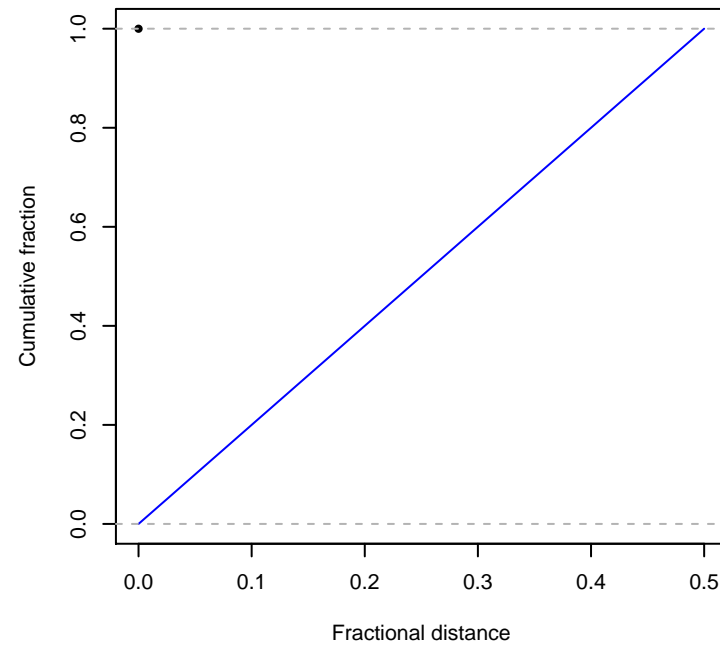
pcontig_030

Query population : 26
Reference population : 211
Relative Ks p-value : 5.55112e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.67002

Absolute distances



Relative distances



pcontig_031

Query population : 19
Reference population : 143
Relative Ks p-value : 2.22045e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 13.3173

Absolute distances



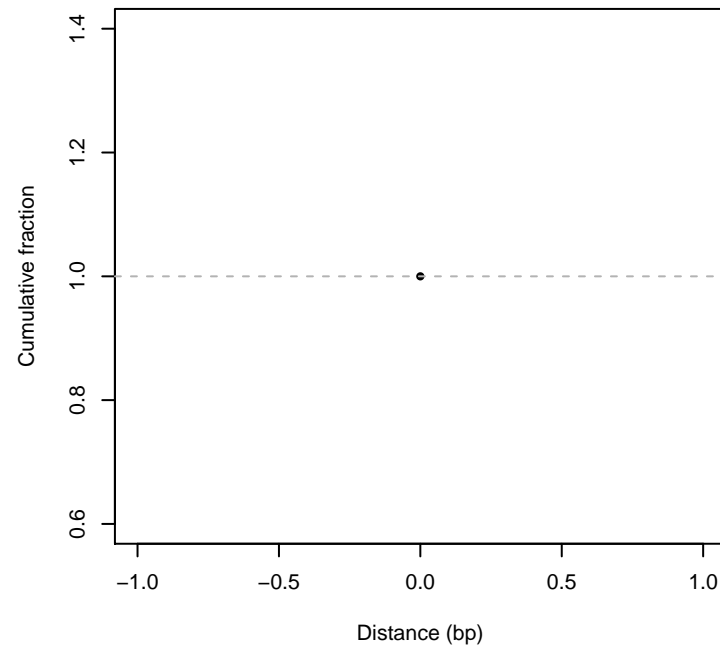
Relative distances



pcontig_033

Query population : 24
Reference population : 205
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.7914

Absolute distances



Relative distances



pcontig_034

Query population : 9
Reference population : 172
Relative Ks p-value : 4.44089e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 12.9158

Absolute distances



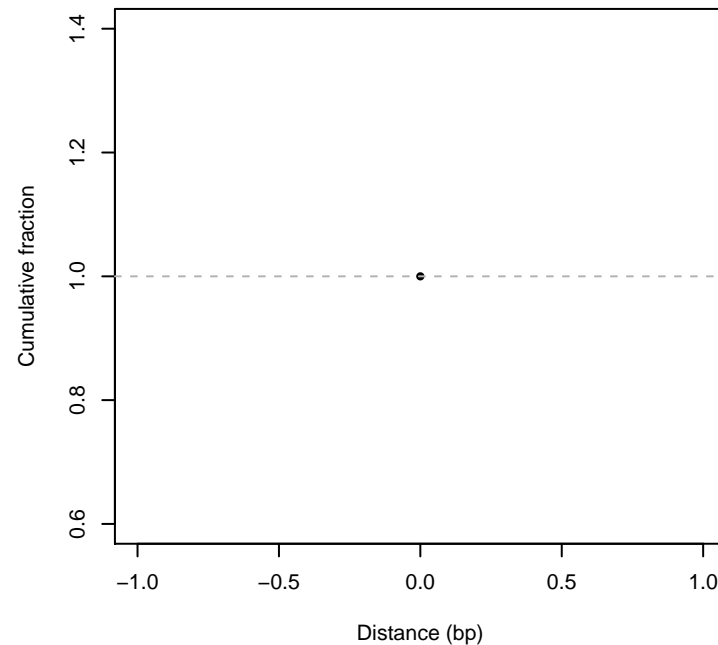
Relative distances



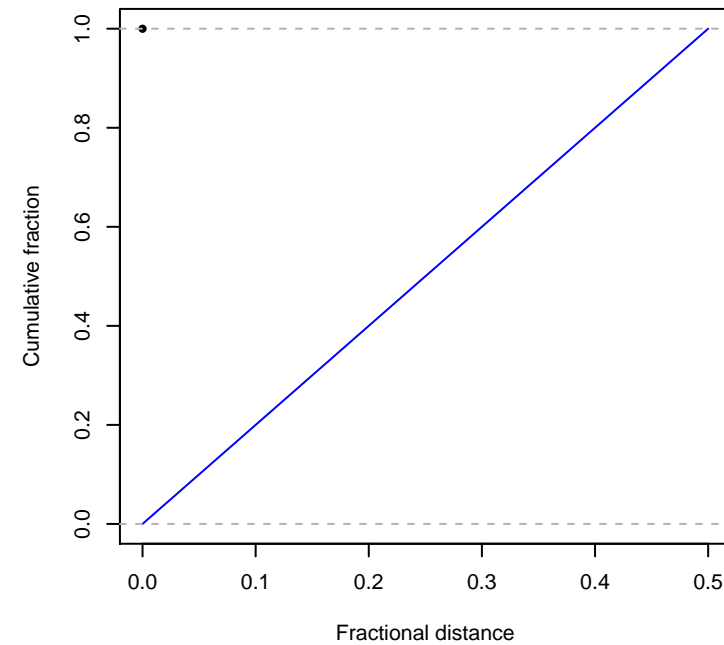
pcontig_035

Query population : 17
Reference population : 146
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 13.663

Absolute distances



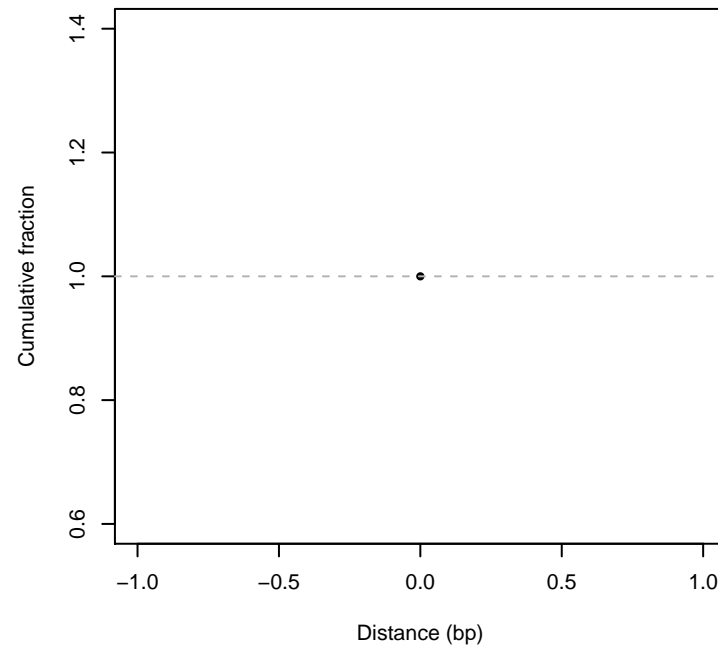
Relative distances



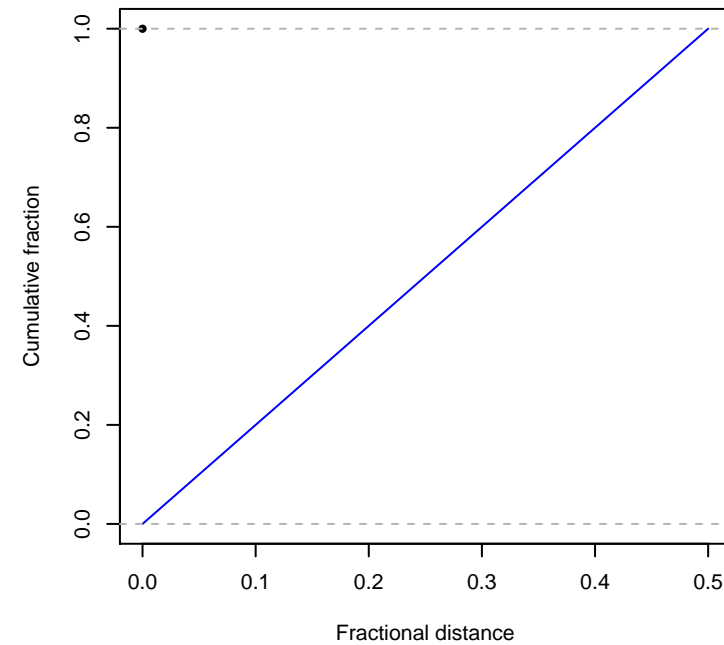
pcontig_036

Query population : 15
Reference population : 163
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 12.8046

Absolute distances



Relative distances



pcontig_037

Query population : 25
Reference population : 162
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.8517

Absolute distances



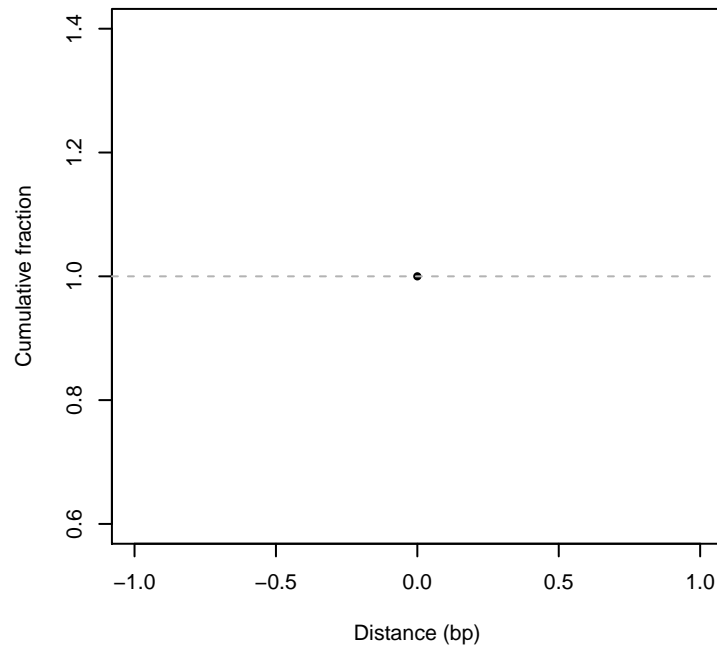
Relative distances



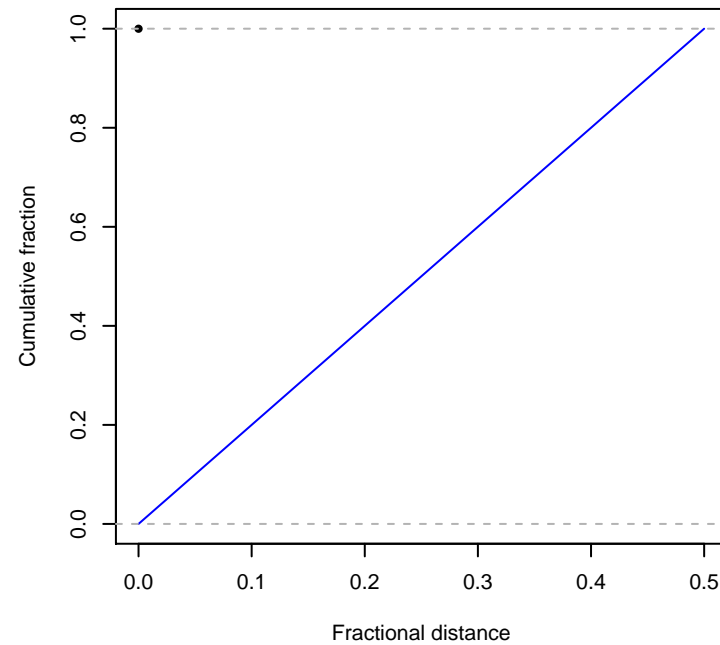
pcontig_039

Query population : 14
Reference population : 135
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.3661

Absolute distances



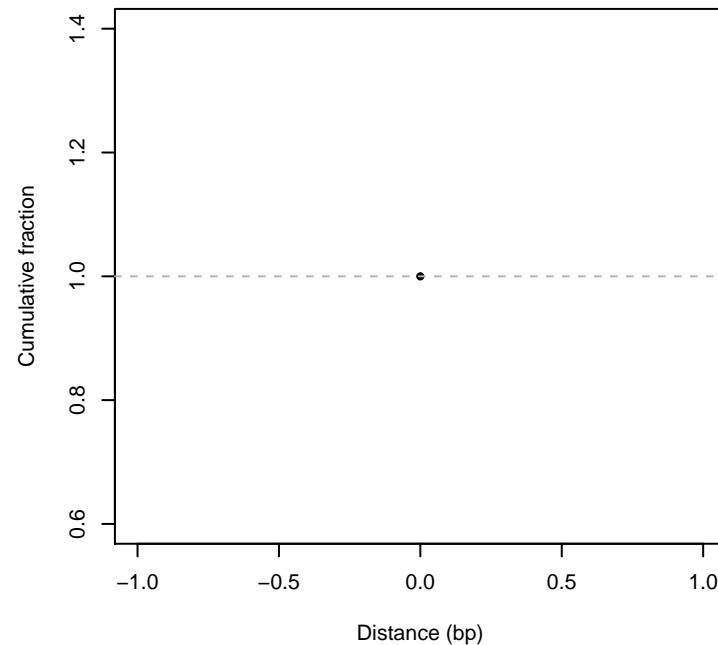
Relative distances



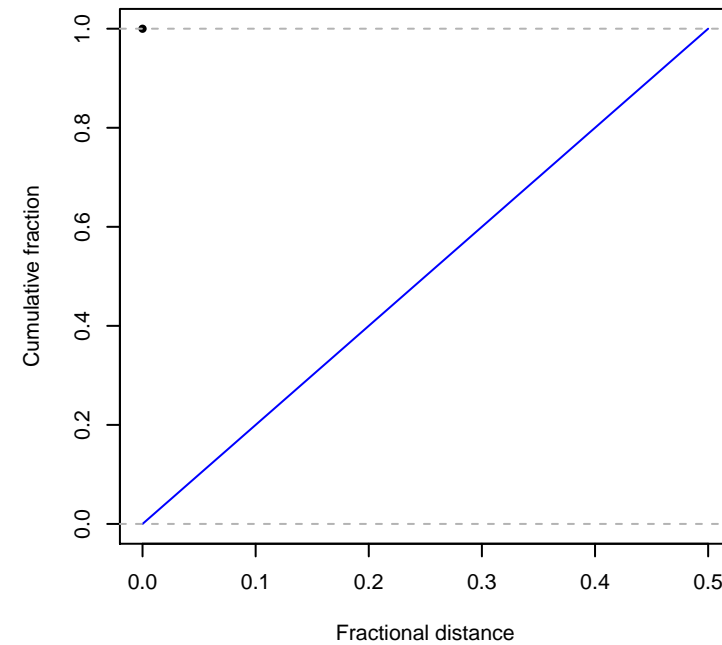
pcontig_040

Query population : 13
Reference population : 151
Relative Ks p-value : 2.22045e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 12.2625

Absolute distances

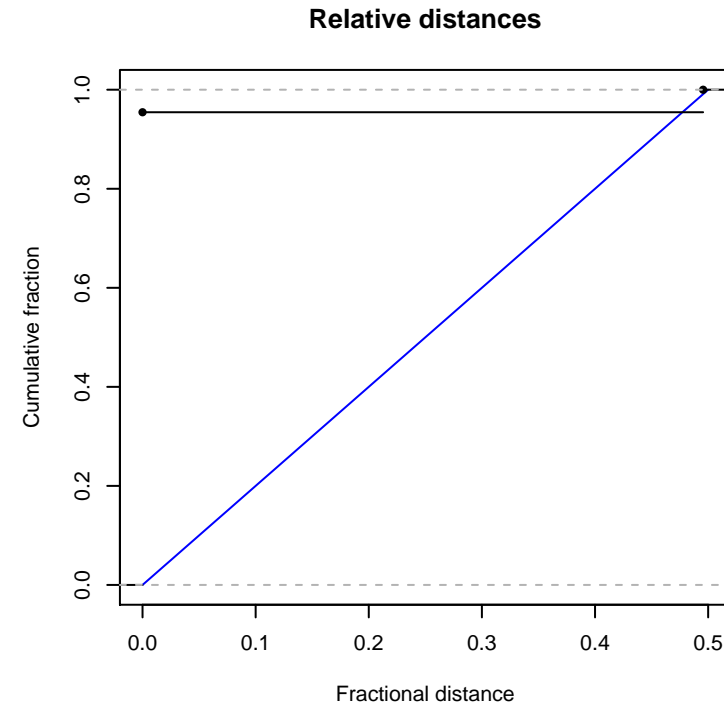
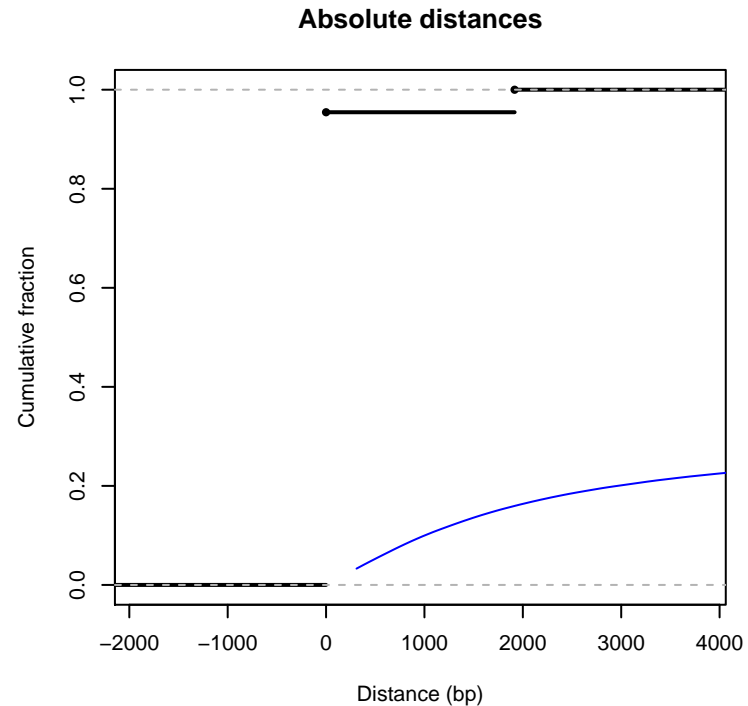


Relative distances



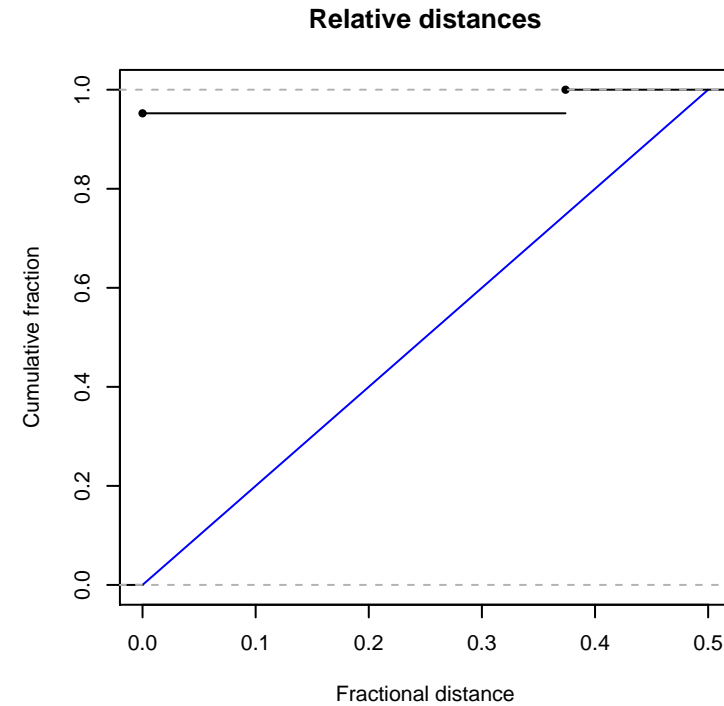
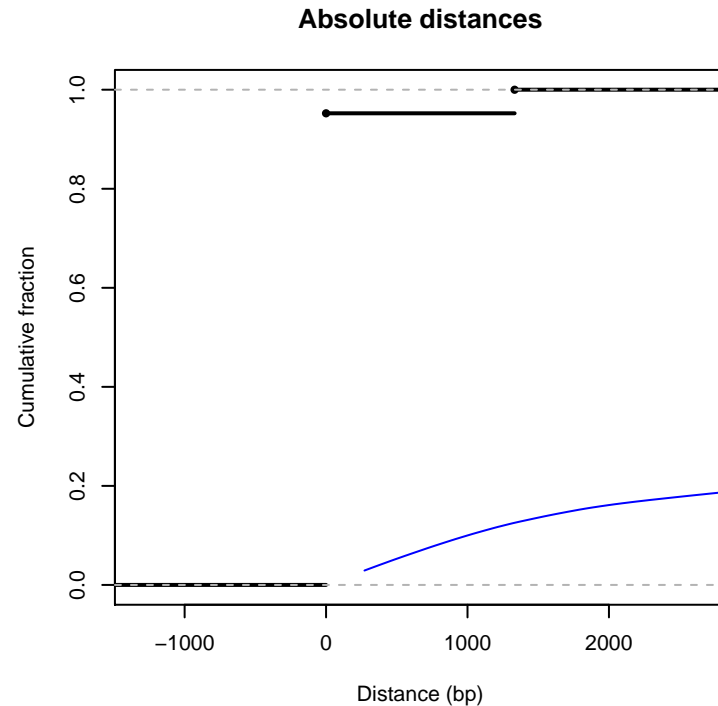
pcontig_041

Query population : 22
Reference population : 163
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.228127
Relative ecdf area correlation : 0.909902
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.6206



pcontig_042

Query population : 21
Reference population : 164
Relative Ks p-value : 0
Relative ecdf deviation area : 0.232178
Relative ecdf area correlation : 0.928778
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.8921



pcontig_043

Query population : 9
Reference population : 122
Relative Ks p-value : 4.44089e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 15.9643

Absolute distances



Relative distances



pcontig_044

Query population : 18
Reference population : 144
Relative Ks p-value : 2.22045e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 12.7813

Absolute distances



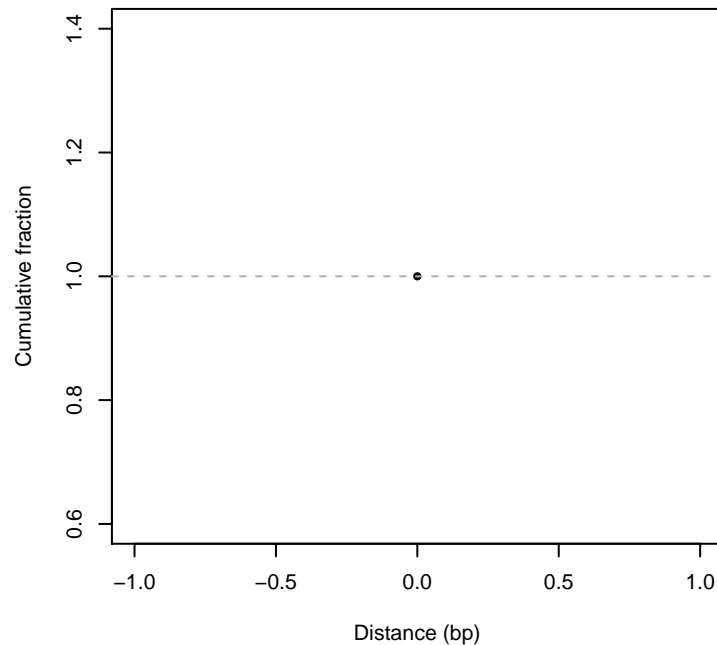
Relative distances



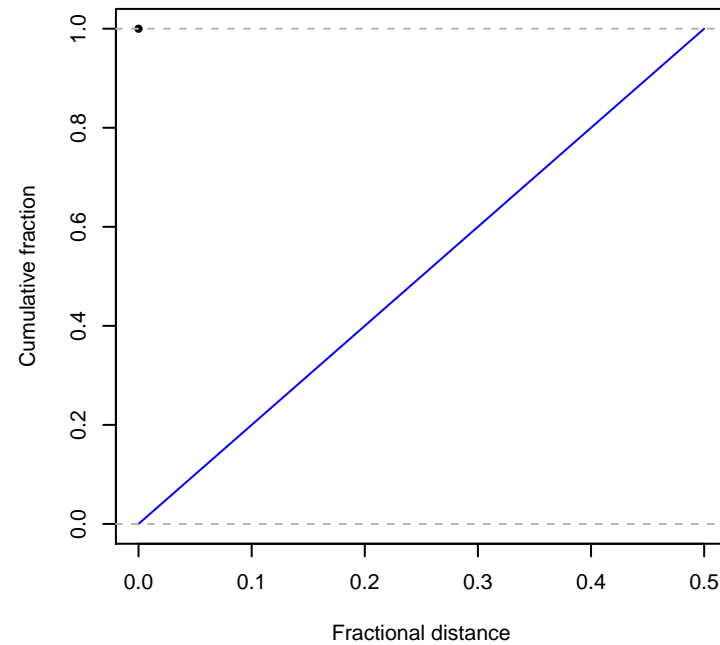
pcontig_045

Query population : 15
Reference population : 128
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.0655

Absolute distances



Relative distances



pcontig_046

Query population : 12
Reference population : 122
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 17.0452

Absolute distances



Relative distances



pcontig_047

Query population : 7
Reference population : 124
Relative Ks p-value : 1.11022e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.0075

Absolute distances



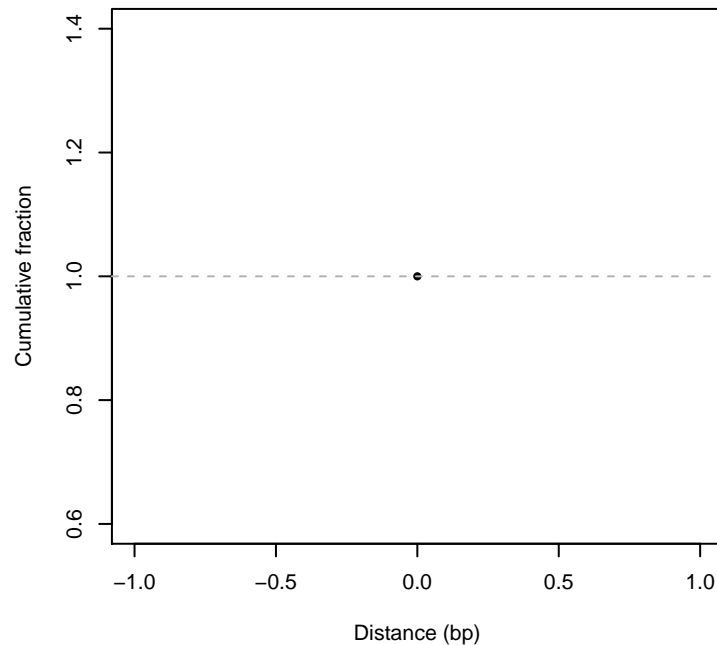
Relative distances



pcontig_048

Query population : 12
Reference population : 118
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 17.1916

Absolute distances



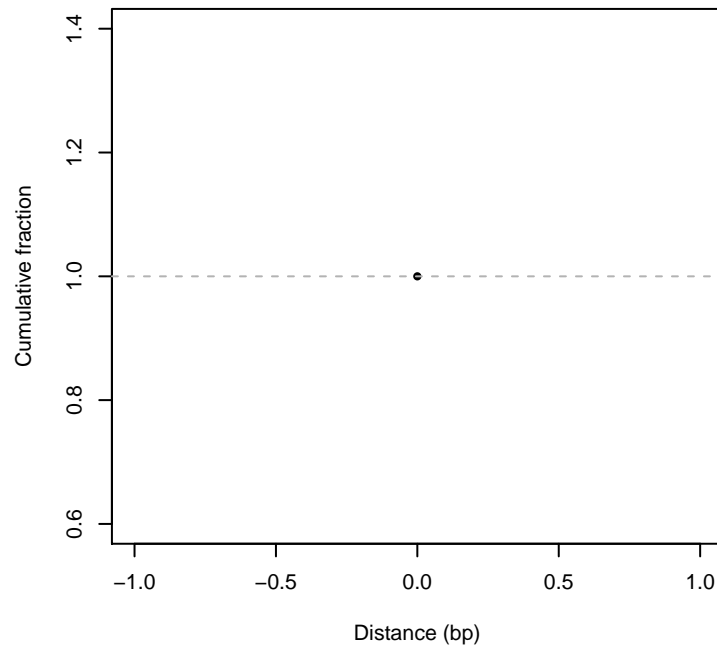
Relative distances



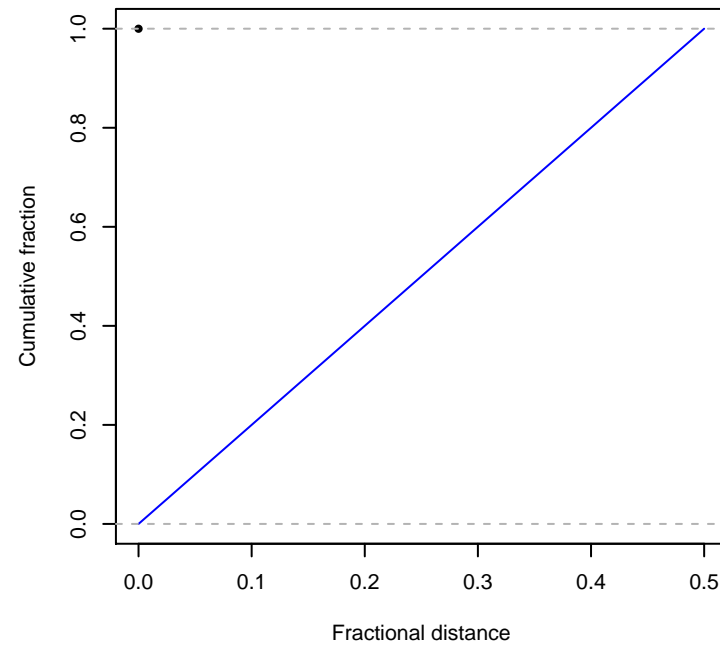
pcontig_049

Query population : 21
Reference population : 121
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 12.8639

Absolute distances



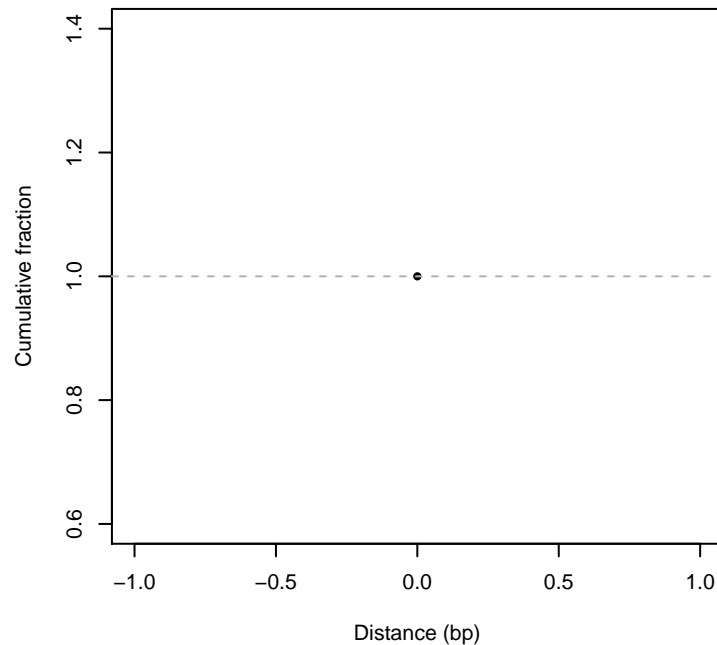
Relative distances



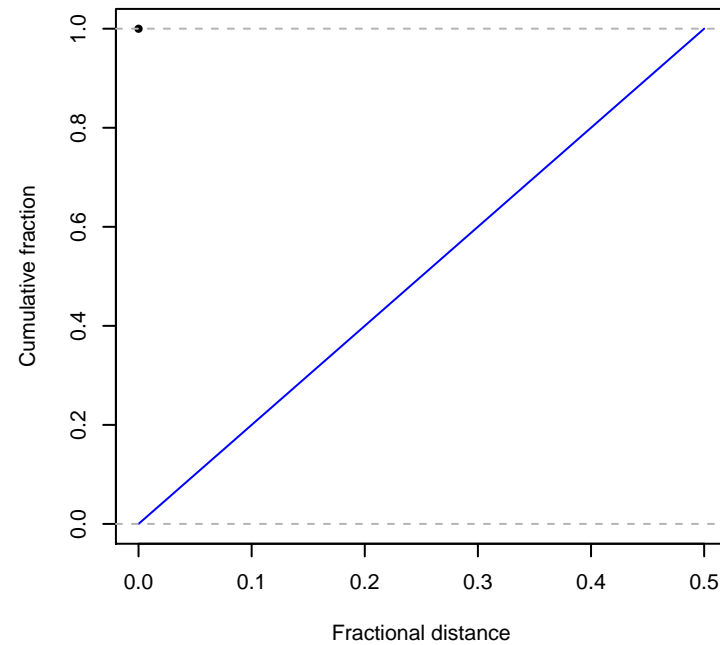
pcontig_050

Query population : 17
Reference population : 121
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 15.0779

Absolute distances



Relative distances



pcontig_051

Query population : 4
Reference population : 45
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 47.2477

Absolute distances



Relative distances



pcontig_052

Query population : 19
Reference population : 146
Relative Ks p-value : 2.22045e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 12.6782

Absolute distances



Relative distances



pcontig_054

Query population : 12
Reference population : 95
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 21.2713

Absolute distances



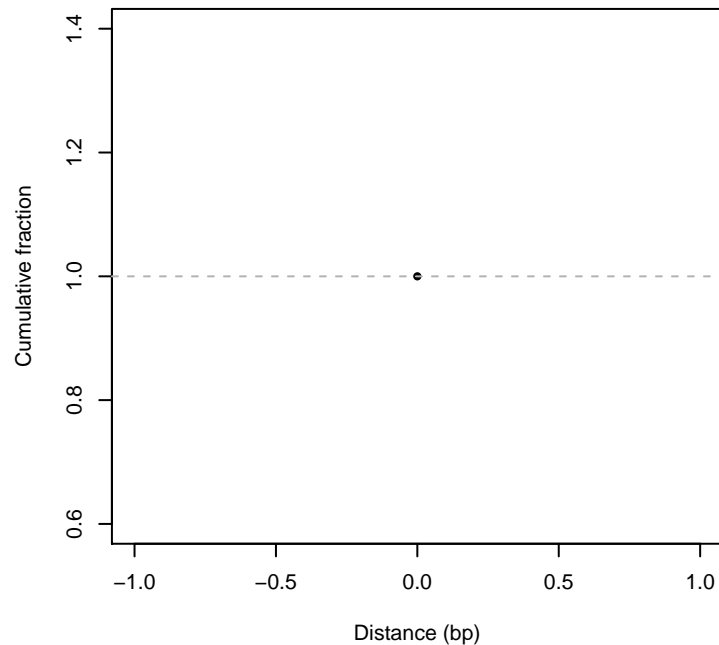
Relative distances



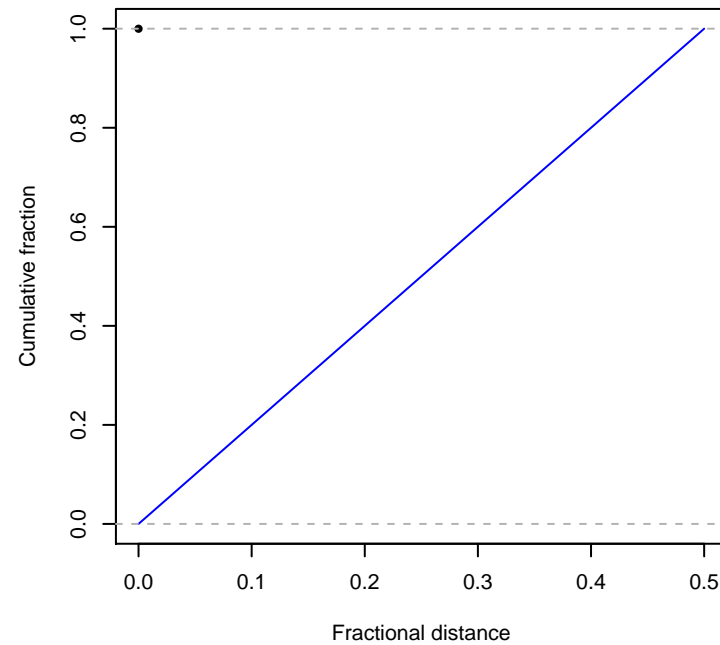
pcontig_055

Query population : 11
Reference population : 118
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 15.713

Absolute distances



Relative distances



pcontig_056

Query population : 12
Reference population : 103
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 16.8106

Absolute distances



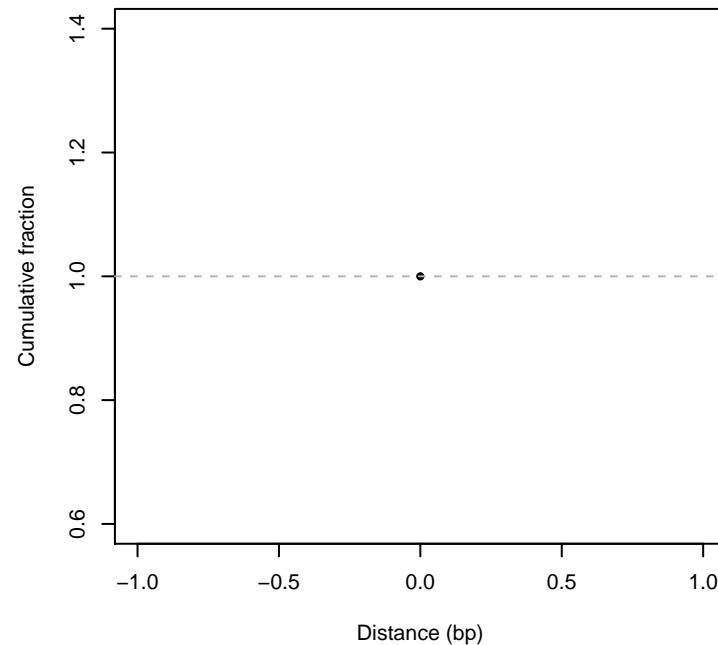
Relative distances



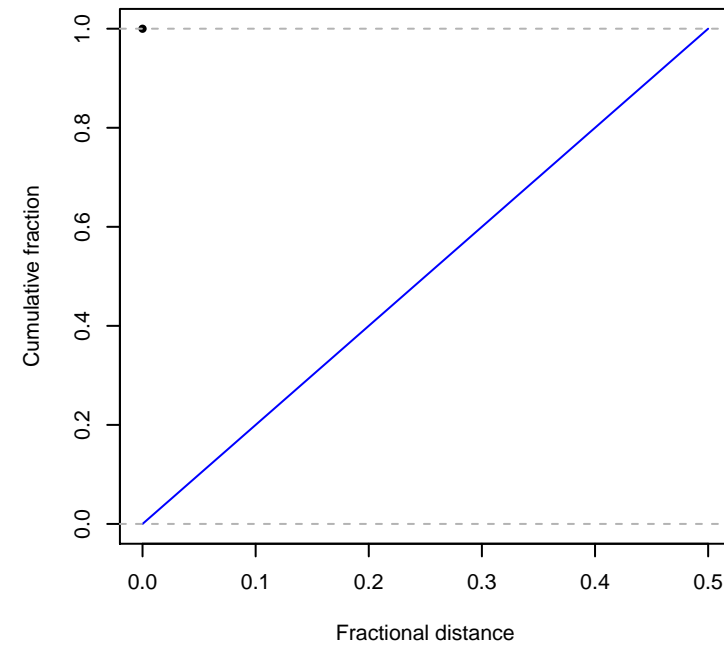
pcontig_057

Query population : 11
Reference population : 92
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 18.8395

Absolute distances



Relative distances



pcontig_058

Query population : 6
Reference population : 101
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 19.0576

Absolute distances



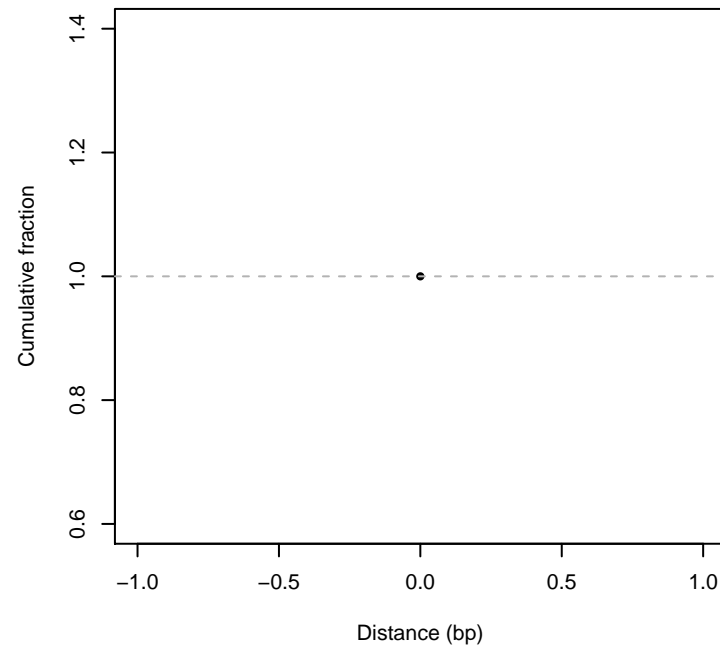
Relative distances



pcontig_059

Query population : 12
Reference population : 88
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 19.0987

Absolute distances



Relative distances



pcontig_060

Query population : 5
Reference population : 72
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 20.8156

Absolute distances



Relative distances



pcontig_062

Query population : 12
Reference population : 97
Relative Ks p-value : 3.33067e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 17.7266

Absolute distances



Relative distances



pcontig_064

Query population : 8
Reference population : 92
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 21.5841

Absolute distances



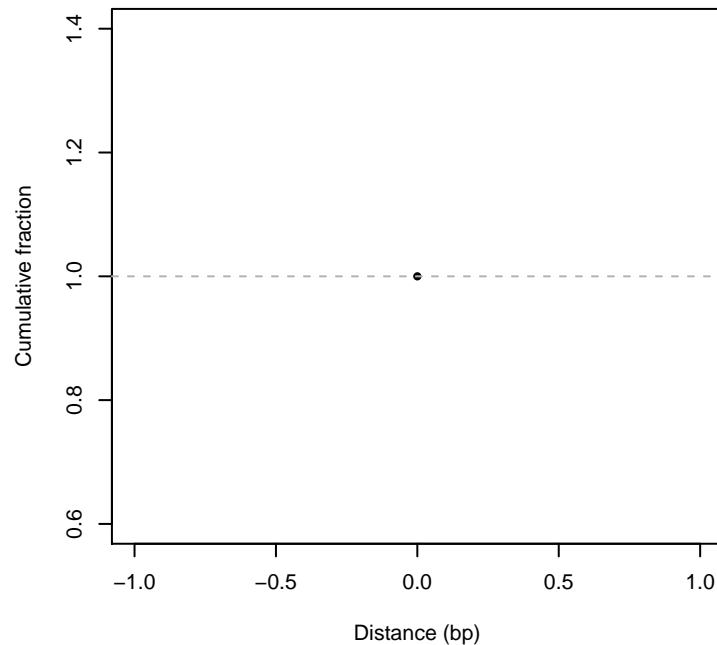
Relative distances



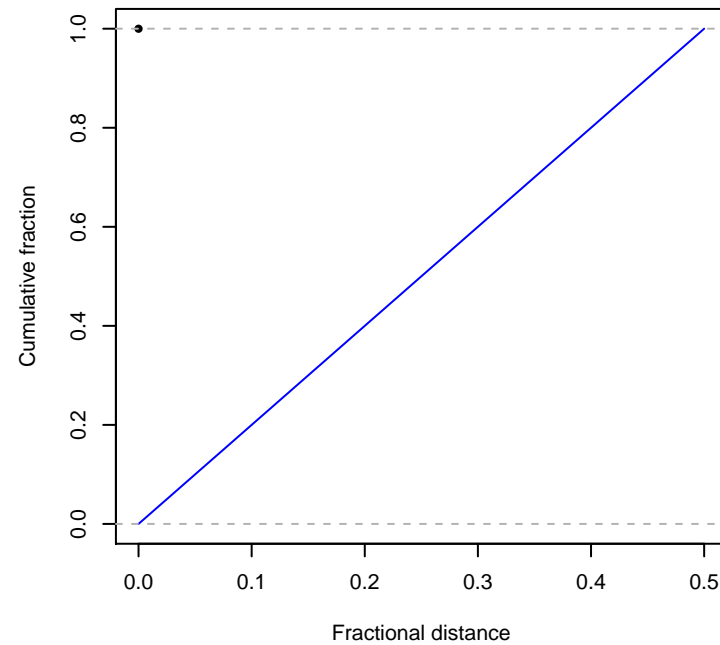
pcontig_065

Query population : 8
Reference population : 101
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 19.2789

Absolute distances



Relative distances



pcontig_066

Query population : 7
Reference population : 73
Relative Ks p-value : 1.11022e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 29.1491

Absolute distances



Relative distances



pcontig_067

Query population : 7
Reference population : 76
Relative Ks p-value : 1.11022e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 25.0492

Absolute distances



Relative distances



pcontig_068

Query population : 2
Reference population : 52
Relative Ks p-value : 8.10463e-14
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 50.9638

Absolute distances



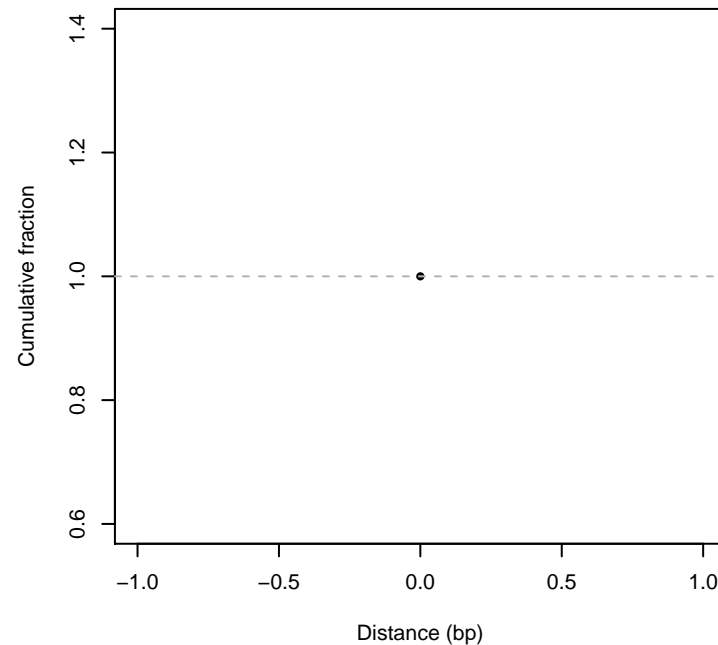
Relative distances



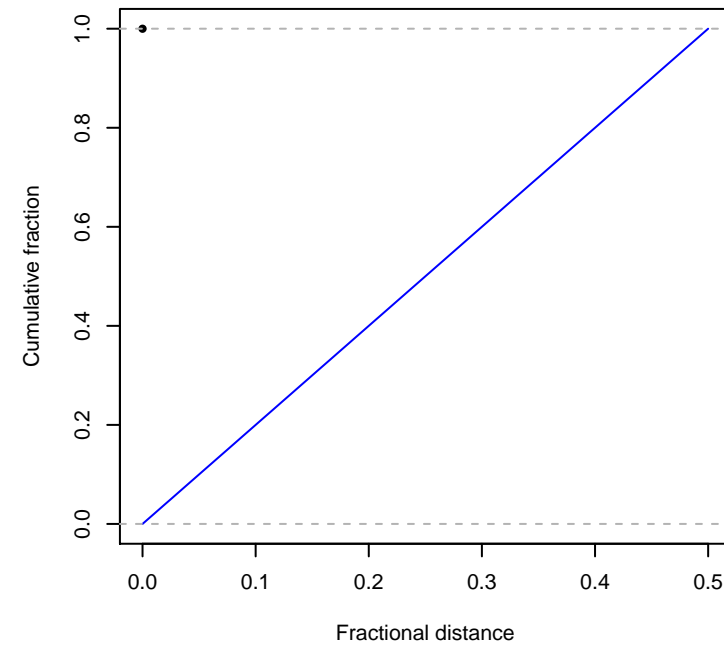
pcontig_069

Query population : 10
Reference population : 96
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 21.4557

Absolute distances



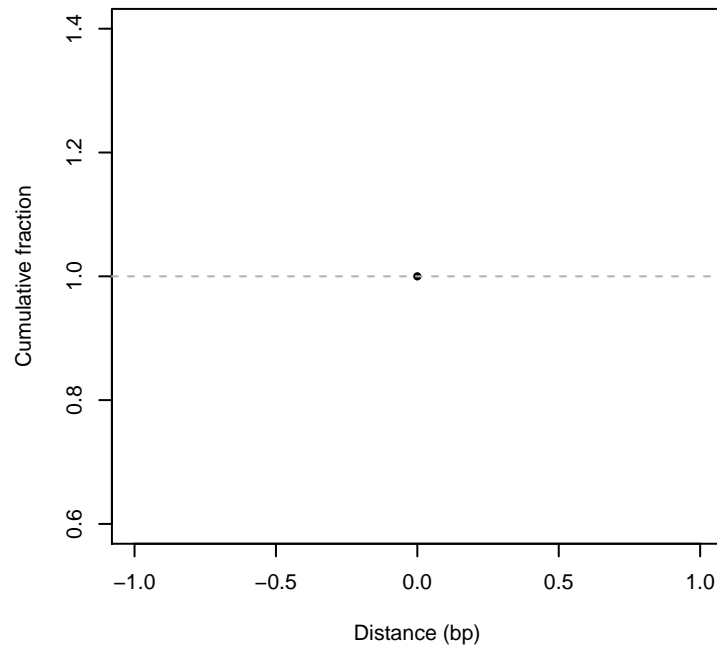
Relative distances



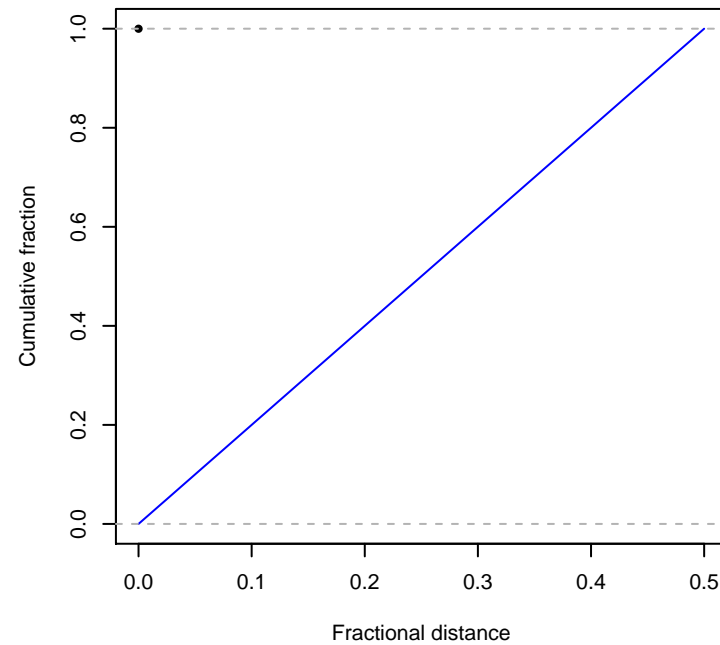
pcontig_070

Query population : 8
Reference population : 93
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 26.4123

Absolute distances



Relative distances



pcontig_072

Query population : 4
Reference population : 70
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 30.1992

Absolute distances



Relative distances



pcontig_073

Query population : 5
Reference population : 70
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 29.0485

Absolute distances



Relative distances



pcontig_074

Query population : 14
Reference population : 64
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 27.5129

Absolute distances



Relative distances



pcontig_075

Query population : 2
Reference population : 53
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 66.224

Absolute distances



Relative distances



pcontig_077

Query population : 9
Reference population : 68
Relative Ks p-value : 4.44089e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 26.6261

Absolute distances



Relative distances



pcontig_078

Query population : 3
Reference population : 45
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 45.7724

Absolute distances



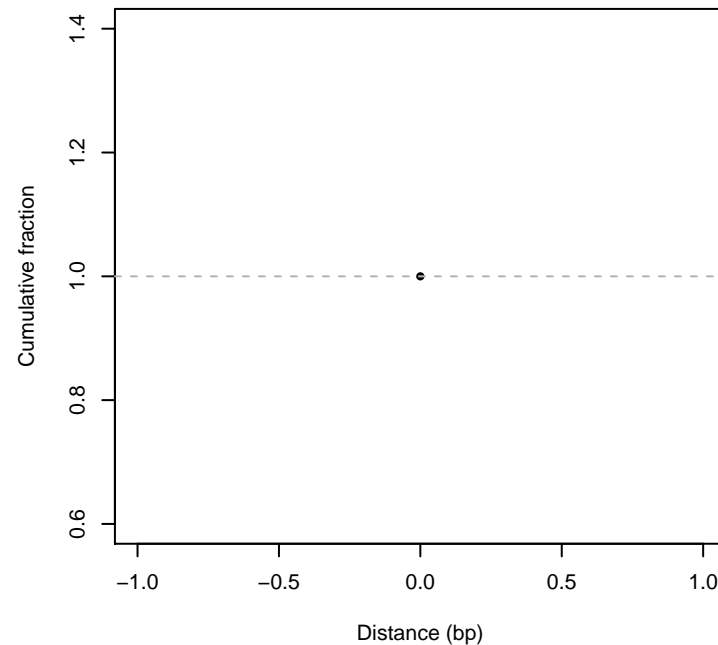
Relative distances



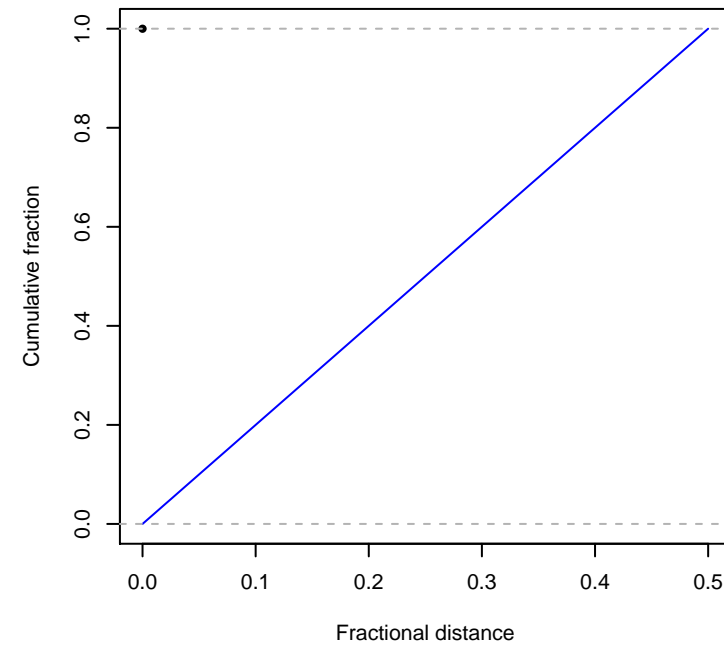
pcontig_079

Query population : 1
Reference population : 7
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 405.276

Absolute distances



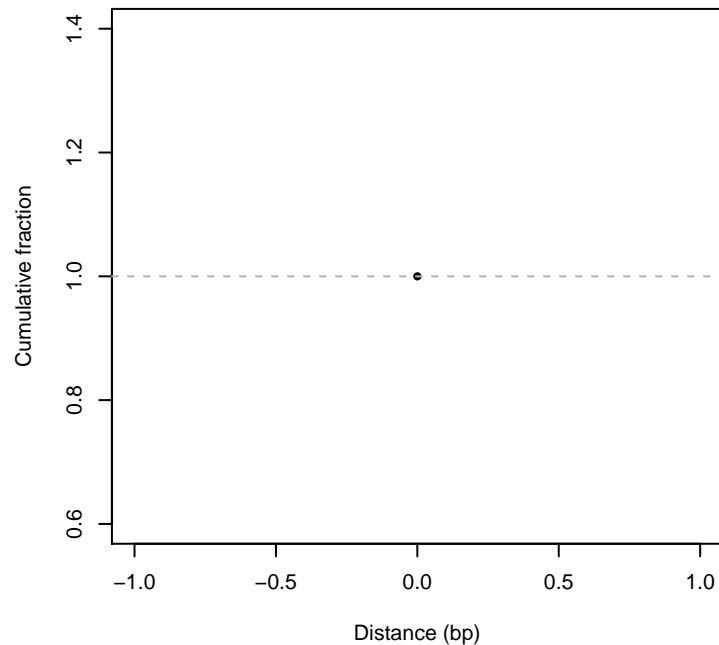
Relative distances



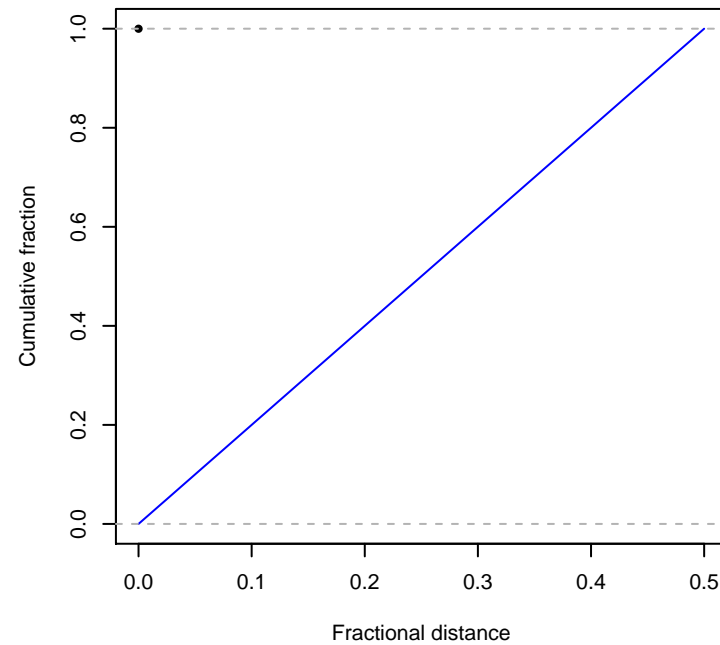
pcontig_080

Query population : 4
Reference population : 62
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 34.6885

Absolute distances



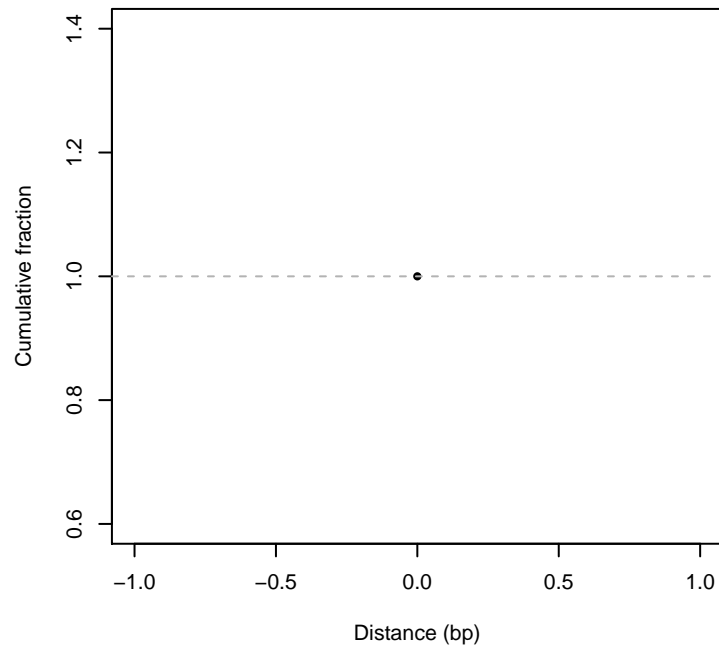
Relative distances



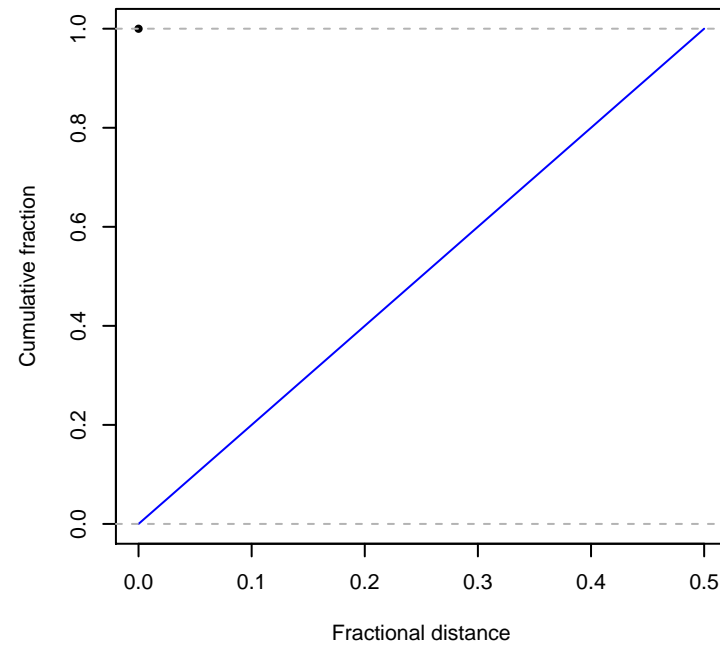
pcontig_081

Query population : 3
Reference population : 58
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 35.1435

Absolute distances



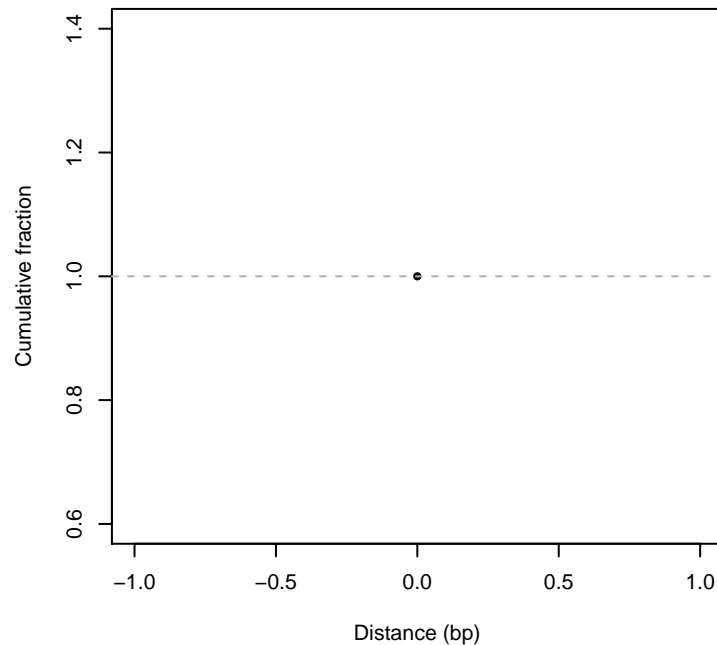
Relative distances



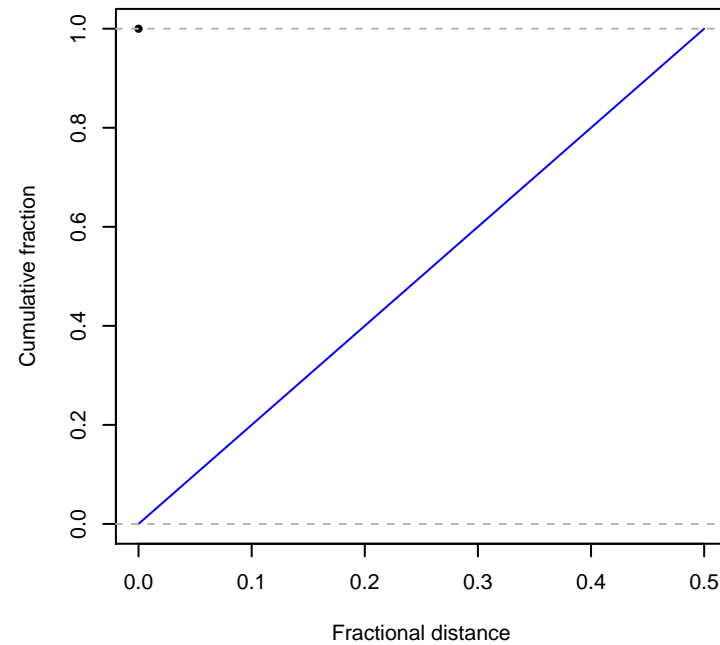
pcontig_082

Query population : 2
Reference population : 60
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 38.2903

Absolute distances



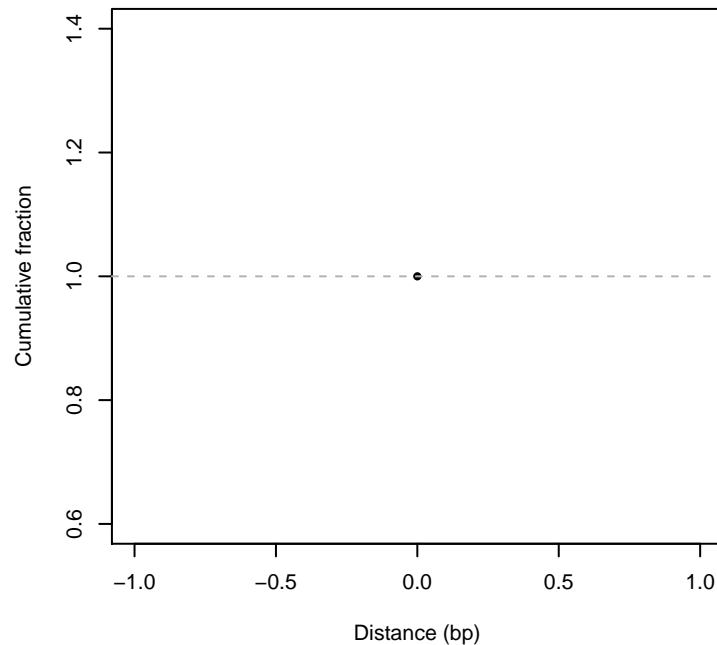
Relative distances



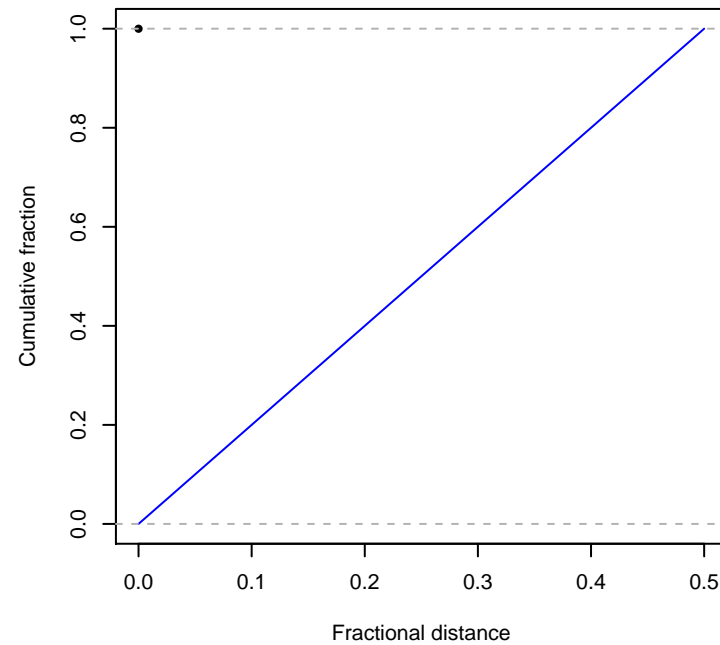
pcontig_083

Query population : 4
Reference population : 54
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 38.8755

Absolute distances



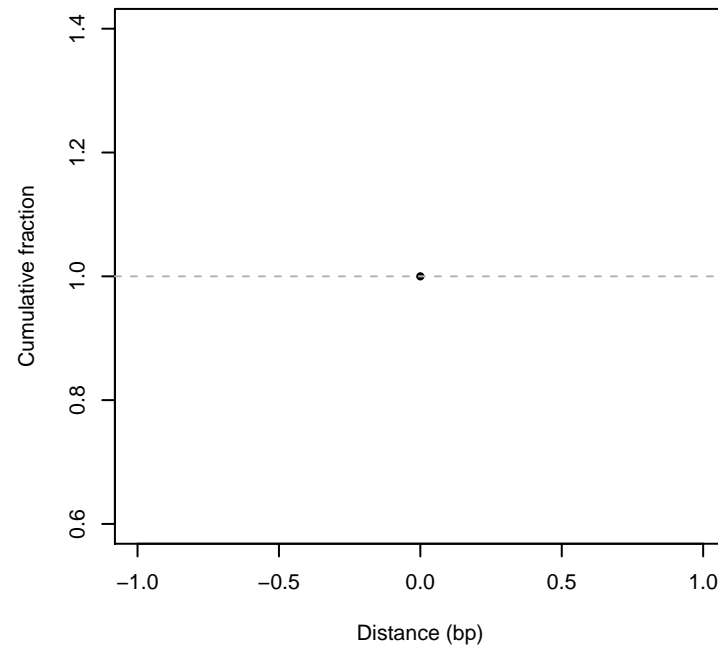
Relative distances



pcontig_084

Query population : 6
Reference population : 47
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 41.3607

Absolute distances



Relative distances



pcontig_086

Query population : 3
Reference population : 60
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 41.4722

Absolute distances



Relative distances



pcontig_087

Query population : 2
Reference population : 44
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 44.6036

Absolute distances



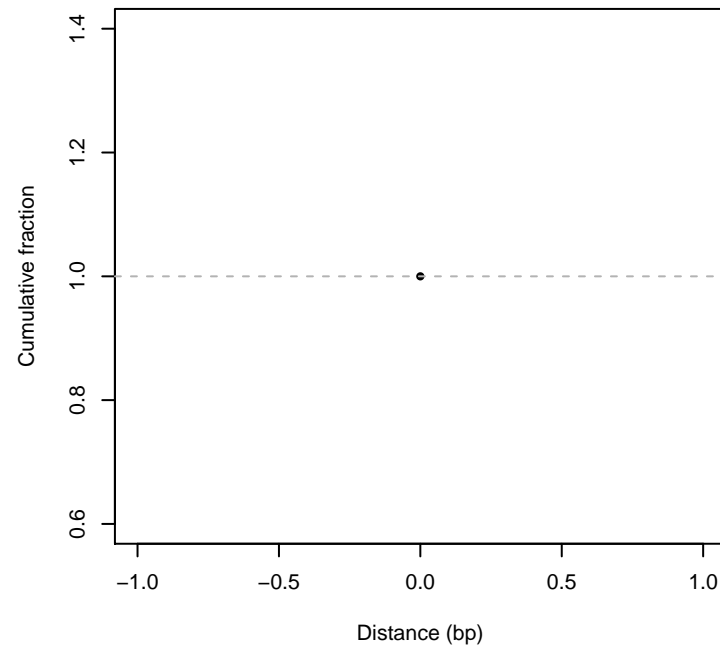
Relative distances



pcontig_088

Query population : 2
Reference population : 48
Relative Ks p-value : 1.41953e-12
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 46.3944

Absolute distances



Relative distances



pcontig_089

Query population : 7
Reference population : 46
Relative Ks p-value : 1.11022e-16
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 36.7716

Absolute distances



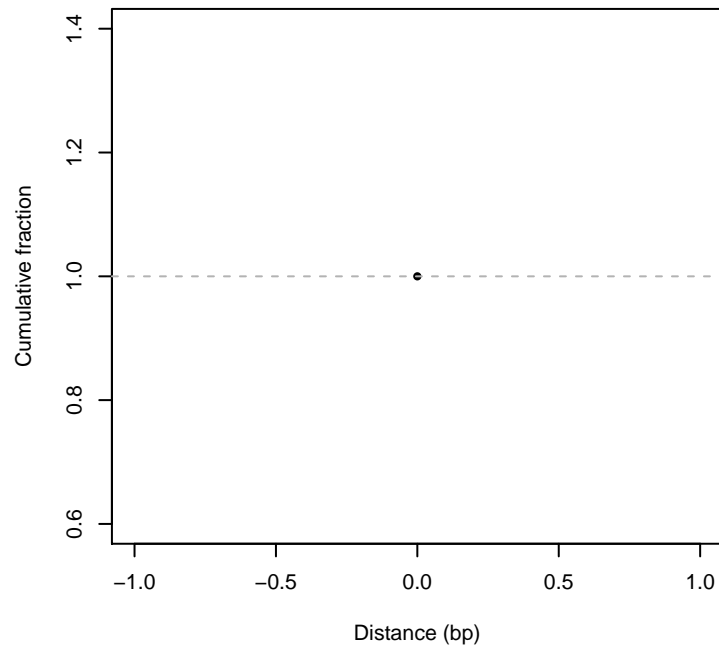
Relative distances



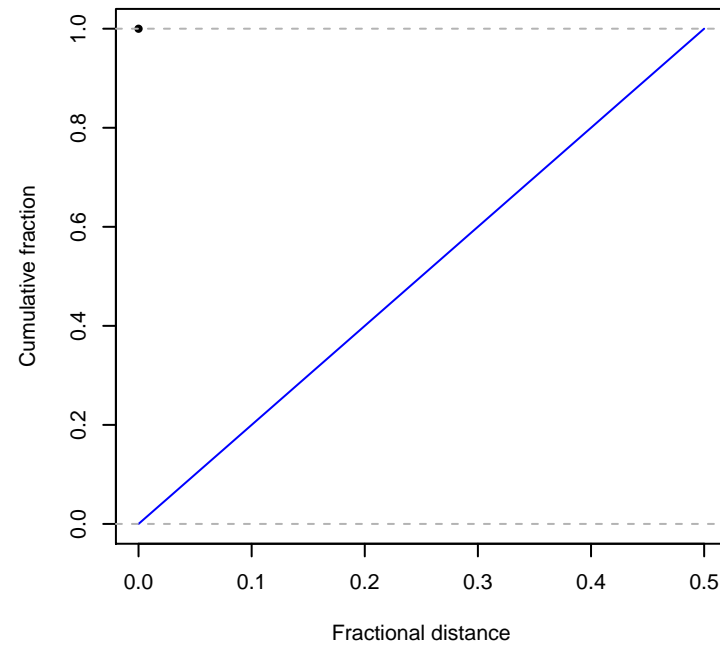
pcontig_090

Query population : 1
Reference population : 21
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 105.16

Absolute distances



Relative distances



pcontig_091

Query population : 5
Reference population : 39
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 41.6805

Absolute distances



Relative distances



pcontig_092

Query population : 4
Reference population : 35
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 43.9923

Absolute distances



Relative distances



pcontig_095

Query population : 3
Reference population : 37
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 57.2364

Absolute distances



Relative distances



pcontig_097

Query population : 2
Reference population : 35
Relative Ks p-value : 1.44329e-13
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 54.334

Absolute distances



Relative distances



pcontig_100

Query population : 5
Reference population : 31
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 62.3374

Absolute distances



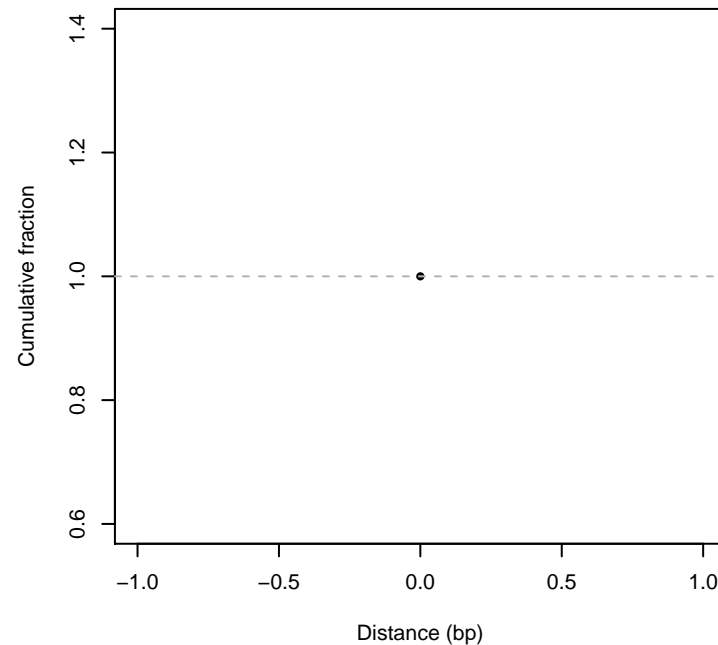
Relative distances



pcontig_103

Query population : 5
Reference population : 25
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 76.2117

Absolute distances



Relative distances



pcontig_104

Query population : 1
Reference population : 34
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 54.5654

Absolute distances



Relative distances



pcontig_106

Query population : 6
Reference population : 30
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 56.6614

Absolute distances



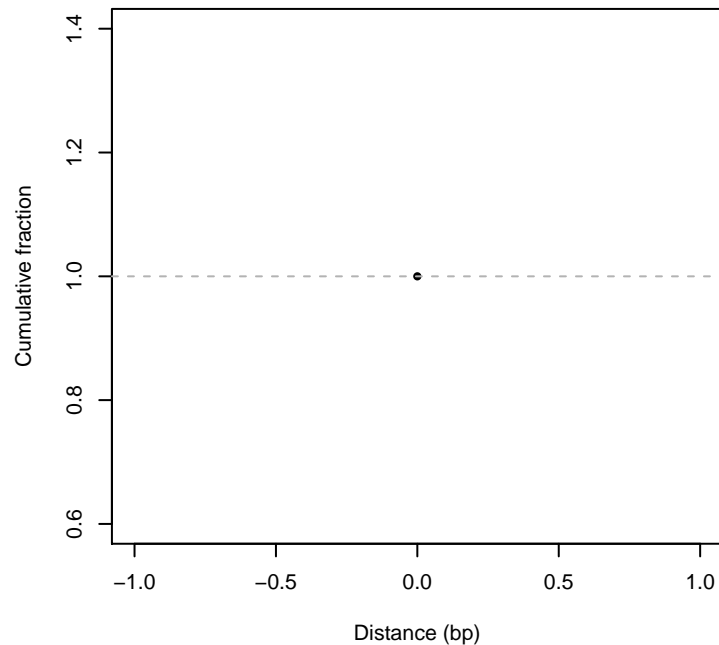
Relative distances



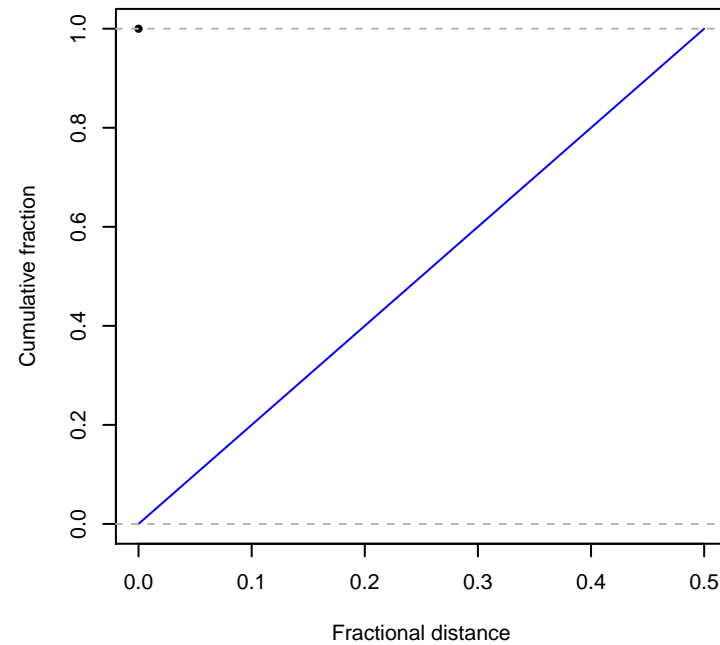
pcontig_110

Query population : 2
Reference population : 28
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 76.8467

Absolute distances



Relative distances



pcontig_112

Query population : 1
Reference population : 18
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 164.984

Absolute distances



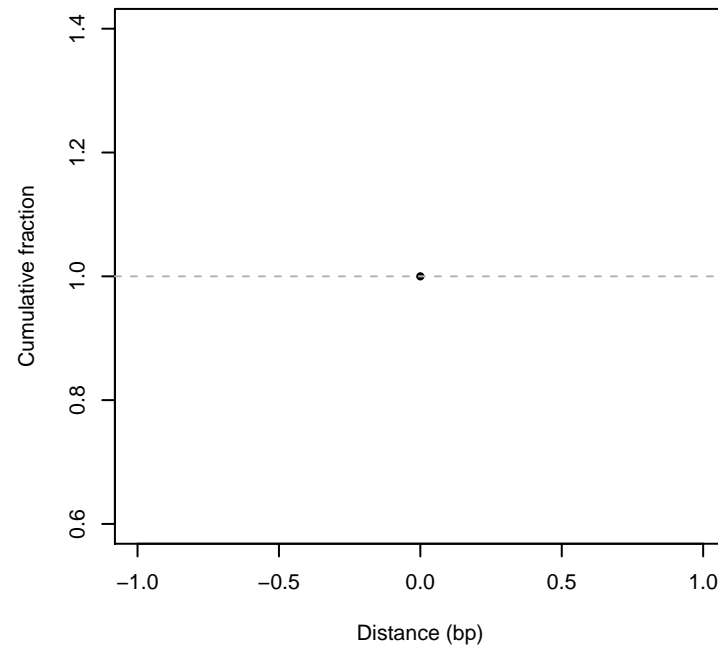
Relative distances



pcontig_115

Query population : 4
Reference population : 26
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 125.461

Absolute distances



Relative distances



pcontig_120

Query population : 2
Reference population : 18
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 164.434

Absolute distances



Relative distances



pcontig_130

Query population : 5
Reference population : 16
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 113.312

Absolute distances



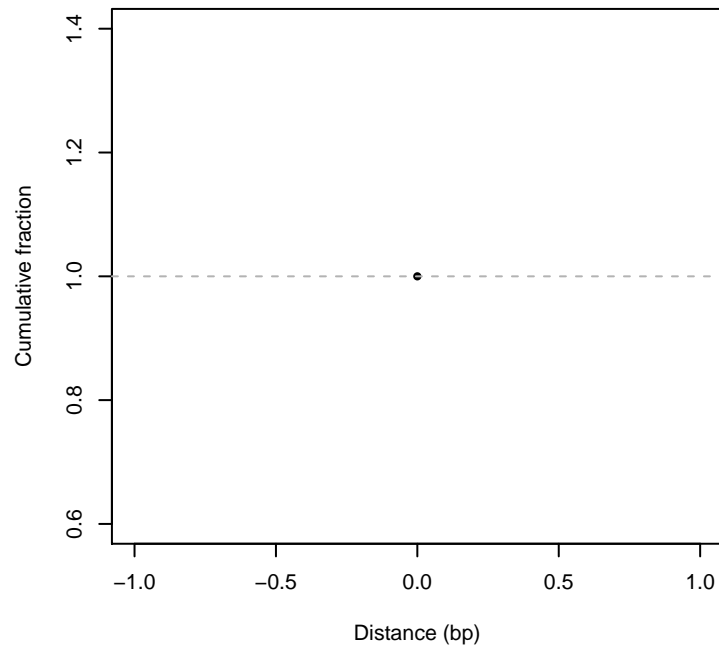
Relative distances



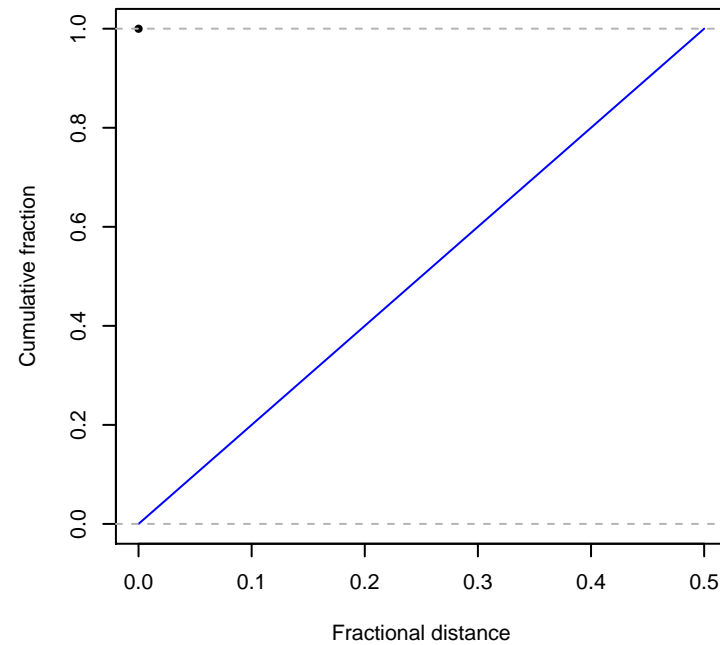
pcontig_138

Query population : 3
Reference population : 16
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 157.12

Absolute distances



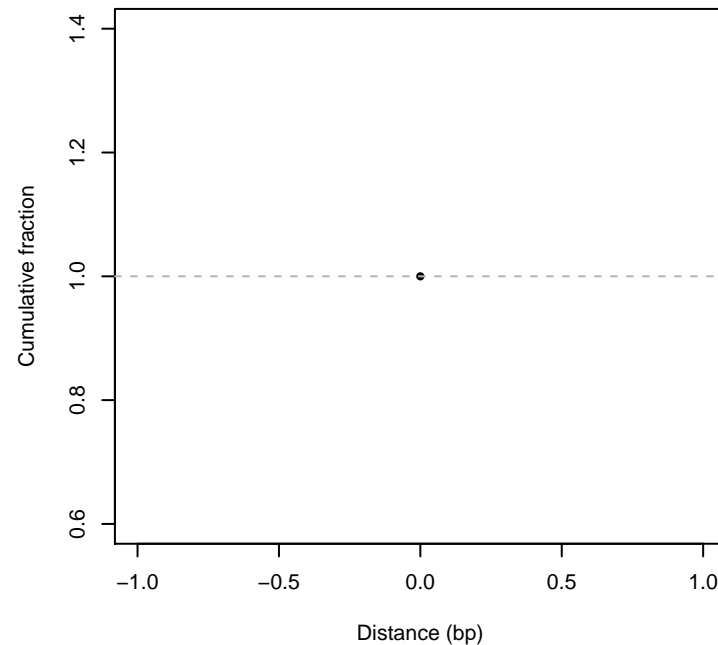
Relative distances



pcontig_146

Query population : 4
Reference population : 31
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 68.7871

Absolute distances



Relative distances



pcontig_147

Query population : 2
Reference population : 13
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 108.784

Absolute distances



Relative distances



pcontig_148

Query population : 1
Reference population : 13
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 103.242

Absolute distances



Relative distances



pcontig_157

Query population : 2
Reference population : 12
Relative Ks p-value : 7.11431e-13
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 210.032

Absolute distances



Relative distances



pcontig_166

Query population : 1
Reference population : 9
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 175.75

Absolute distances



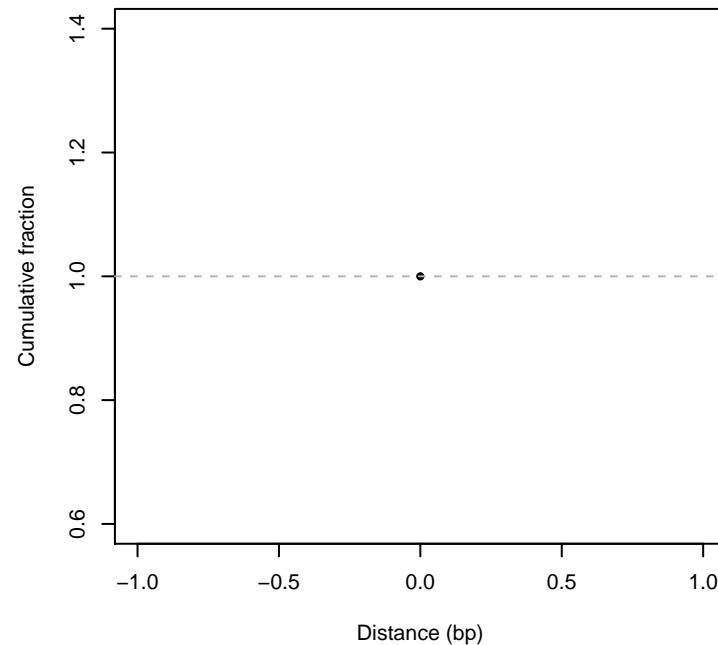
Relative distances



pcontig_174

Query population : 1
Reference population : 12
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 141.64

Absolute distances



Relative distances



pcontig_179

Query population : 2
Reference population : 13
Relative Ks p-value : $5.9952e-15$
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 203.351

Absolute distances



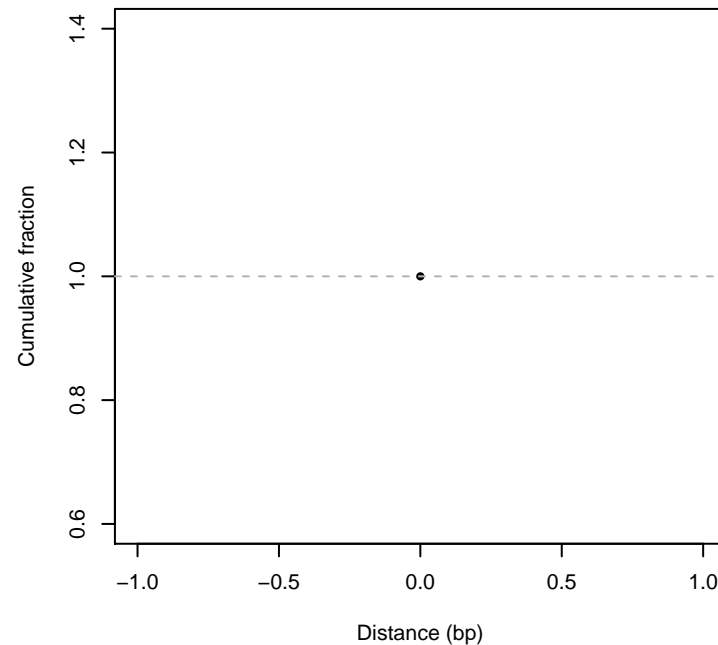
Relative distances



pcontig_181

Query population : 1
Reference population : 5
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 459.316

Absolute distances



Relative distances



pcontig_186

Query population : 1
Reference population : 7
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 198.9

Absolute distances



Relative distances



pcontig_187

Query population : 1
Reference population : 5
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 547.811

Absolute distances



Relative distances



pcontig_188

Query population : 2
Reference population : 12
Relative Ks p-value : $8.9484e-14$
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 146.787

Absolute distances



Relative distances



pcontig_189

Query population : 1
Reference population : 7
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 217.769

Absolute distances



Relative distances



pcontig_203

Query population : 2
Reference population : 11
Relative Ks p-value : 4.52971e-14
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 178.039

Absolute distances



Relative distances



pcontig_218

Query population : 1
Reference population : 5
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 632.046

Absolute distances



Relative distances



pcontig_233

Query population : 1
Reference population : 5
Relative Ks p-value : 0
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 1
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 261.508

Absolute distances



Relative distances



All Chromosomes

Query population : 1444
Reference population : 14077
Relative Ks p-value : 0
Relative ecdf deviation area : 0.249396
Relative ecdf area correlation : 0.997592
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 15.2516

