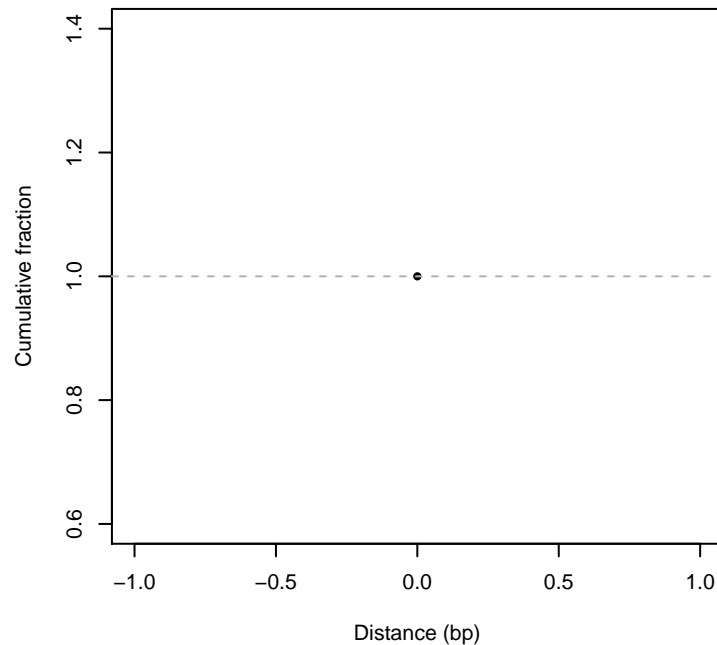


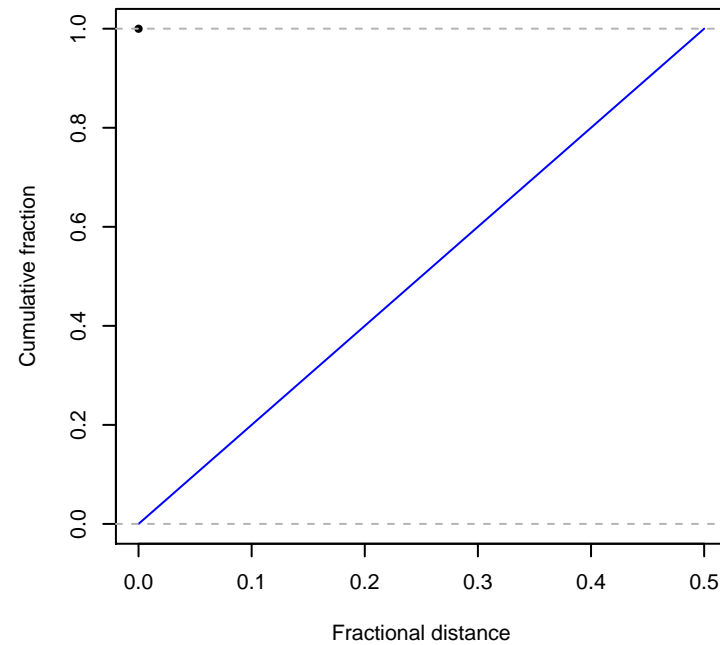
pcontig_000

Query population : 53
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 : 26.5183

Absolute distances



Relative distances



pcontig_001

Query population : 63
Reference population : 63
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 : 23.2271

Absolute distances



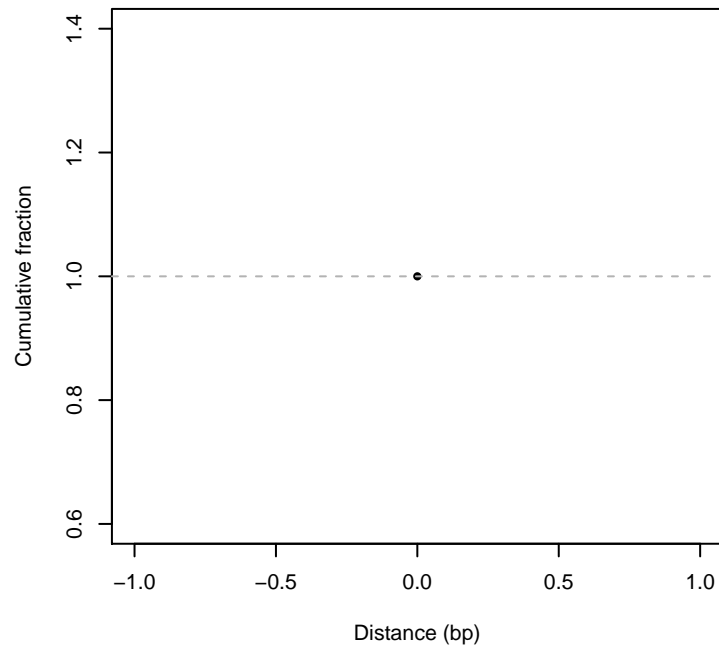
Relative distances



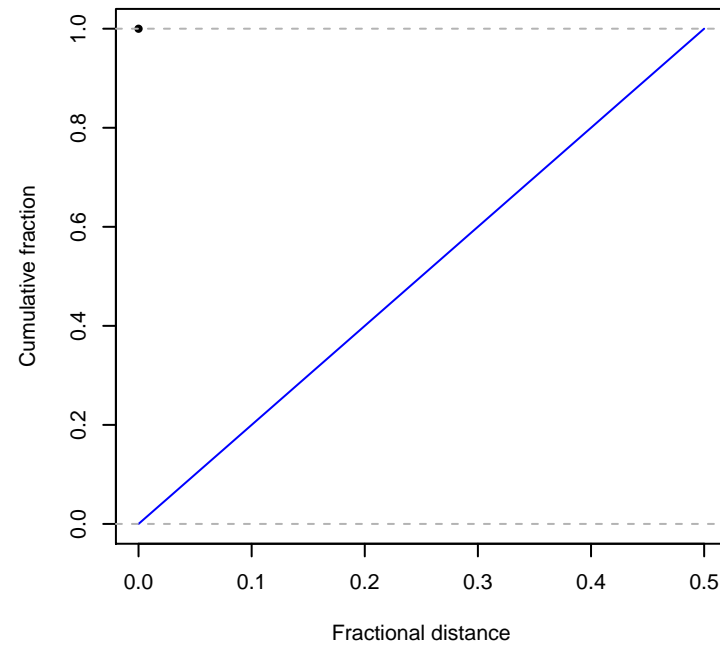
pcontig_002

Query population : 36
Reference population : 36
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 : 23.5548

Absolute distances



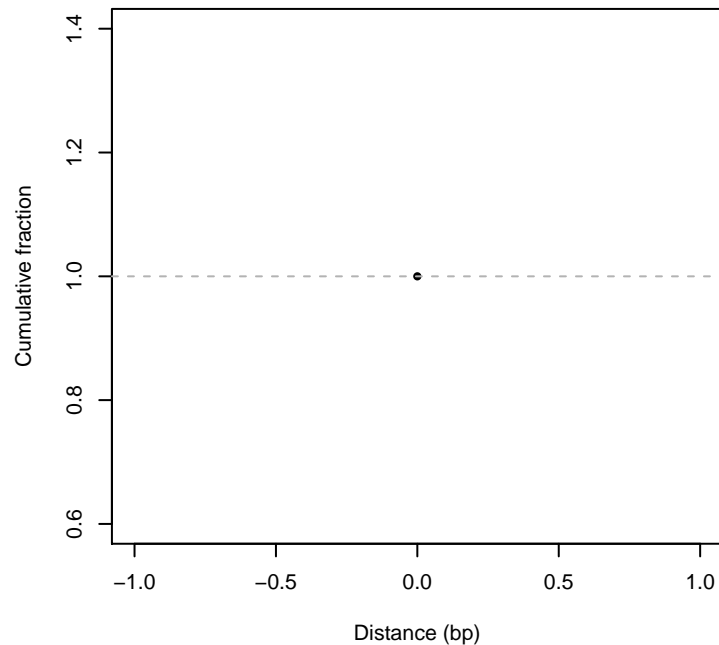
Relative distances



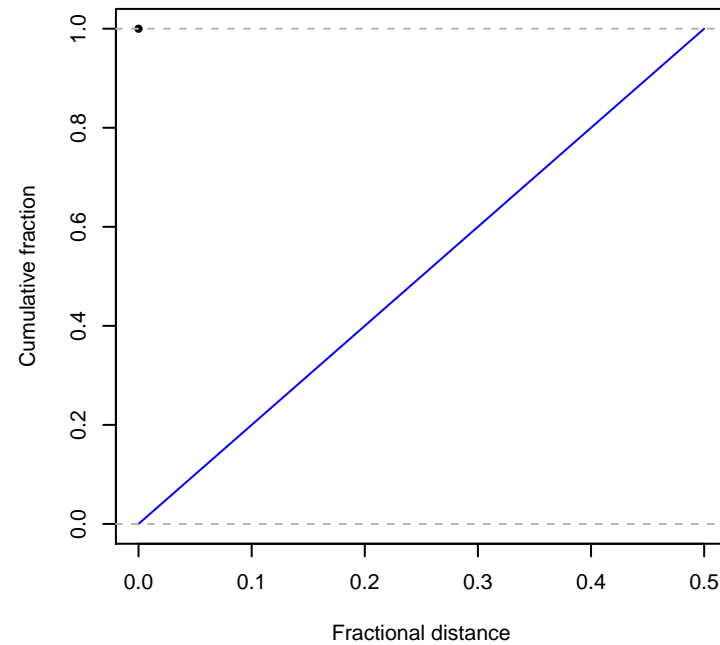
pcontig_003

Query population : 43
Reference population : 43
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 : 29.1072

Absolute distances



Relative distances



pcontig_004

Query population : 32
Reference population : 32
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 : 38.3843

Absolute distances



Relative distances



pcontig_005

Query population : 41
Reference population : 41
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 : 30.5892

Absolute distances



Relative distances



pcontig_006

Query population : 48
Reference population : 48
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 : 27.2216

Absolute distances



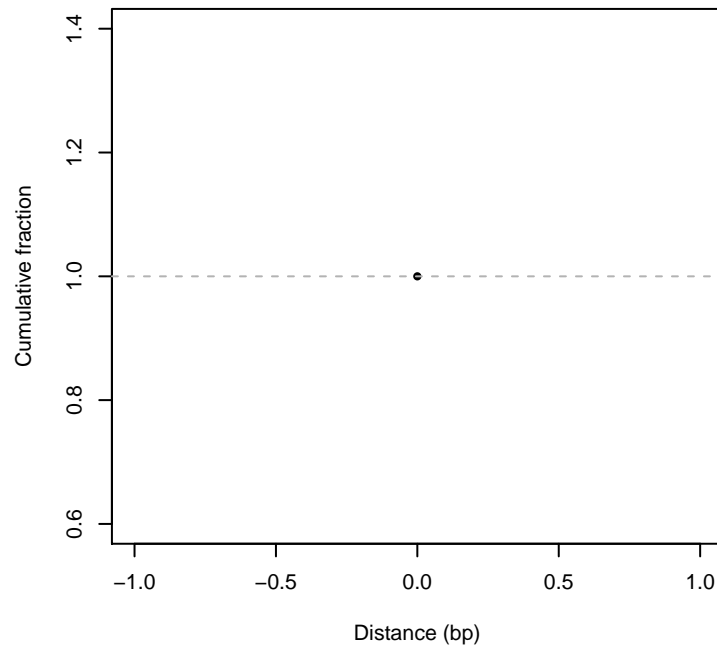
Relative distances



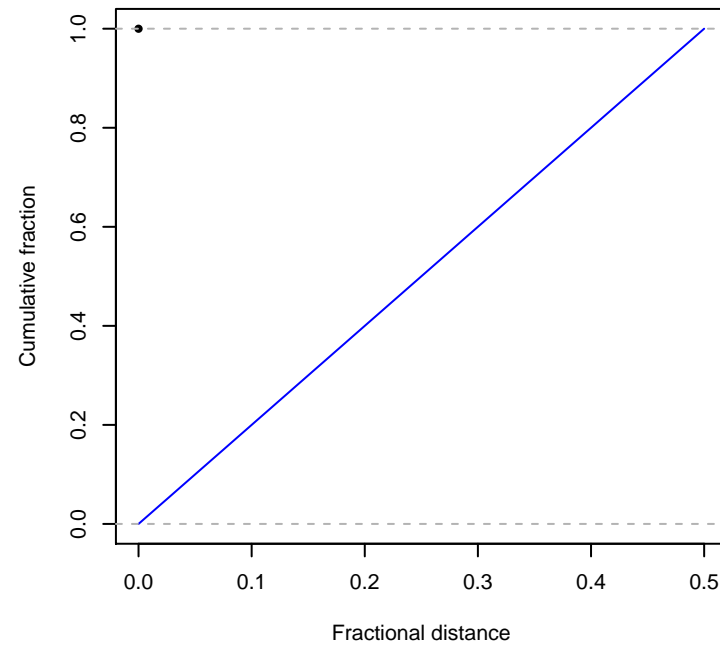
pcontig_007

Query population : 29
Reference population : 29
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 : 45.1042

Absolute distances



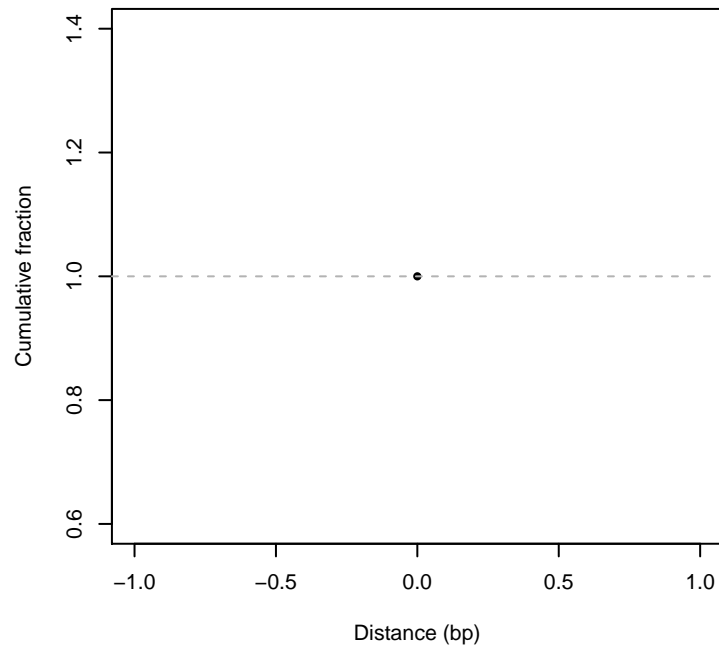
Relative distances



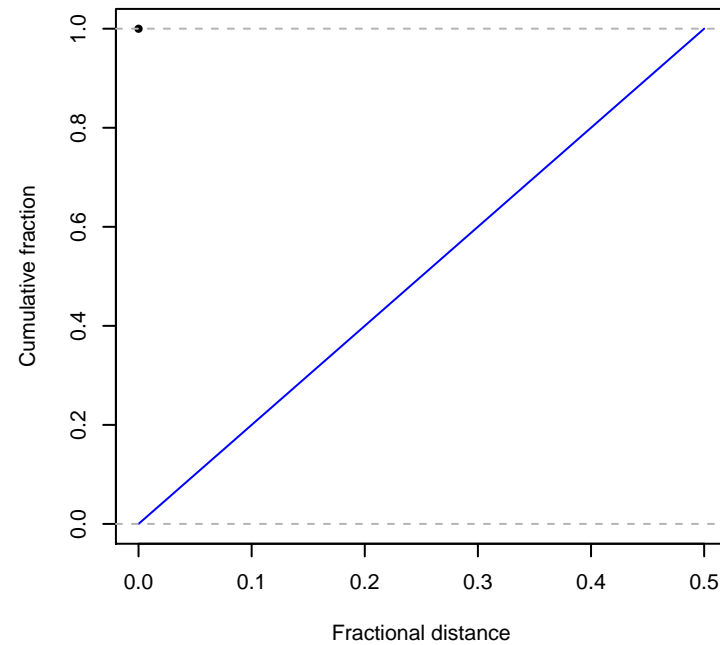
pcontig_008

Query population : 26
Reference population : 26
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 : 50.4365

Absolute distances



Relative distances



pcontig_009

Query population : 29
Reference population : 29
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 : 35.3273

Absolute distances



Relative distances



pcontig_010

Query population : 12
Reference population : 12
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 : 113.165

Absolute distances



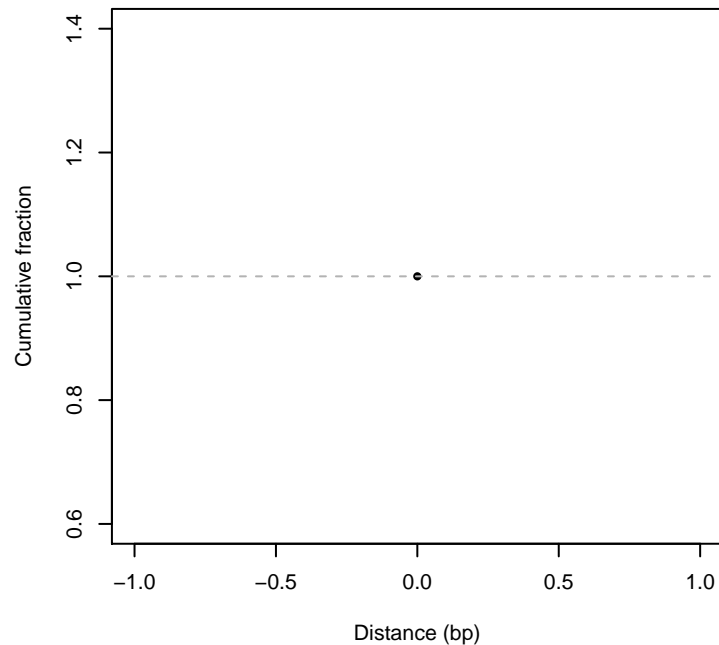
Relative distances



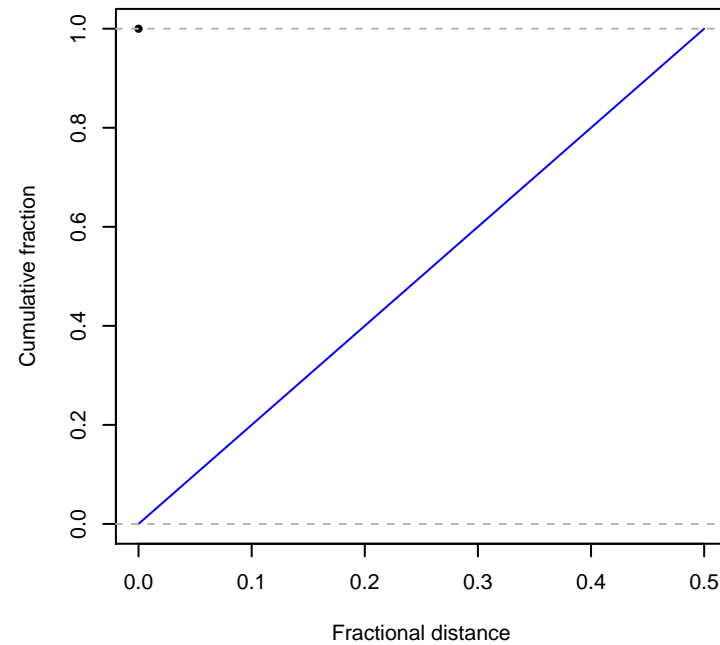
pcontig_011

Query population : 47
Reference population : 47
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 : 26.6641

Absolute distances



Relative distances



pcontig_012

Query population : 26
Reference population : 26
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 : 52.2988

Absolute distances



Relative distances



pcontig_013

Query population : 22
Reference population : 22
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 : 57.0082

Absolute distances



Relative distances



pcontig_014

Query population : 28
Reference population : 28
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 : 38.4656

Absolute distances



Relative distances



pcontig_015

Query population : 2
Reference population : 2
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 : 726.951

Absolute distances



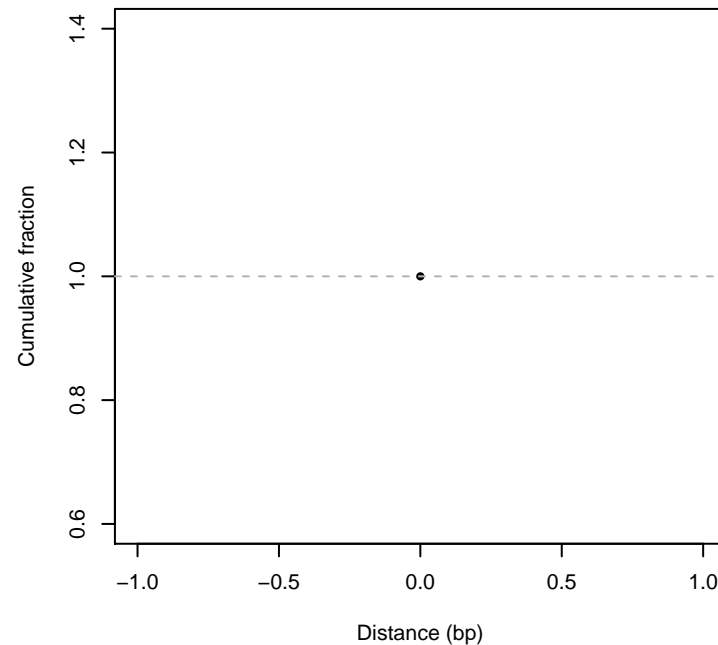
Relative distances



pcontig_016

Query population : 17
Reference population : 17
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 : 63.1245

Absolute distances



Relative distances



pcontig_017

Query population : 25
Reference population : 25
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 : 56.2091

Absolute distances



Relative distances



pcontig_018

Query population : 24
Reference population : 24
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 : 56.0545

Absolute distances



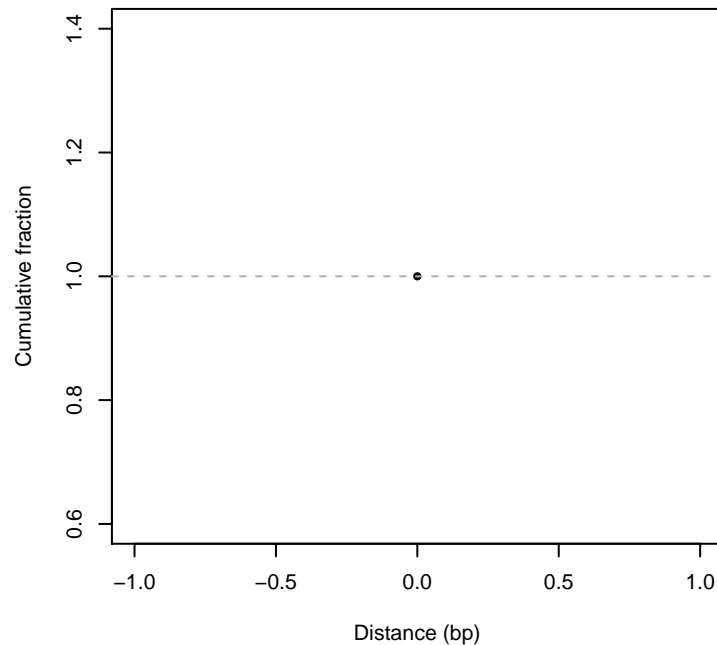
Relative distances



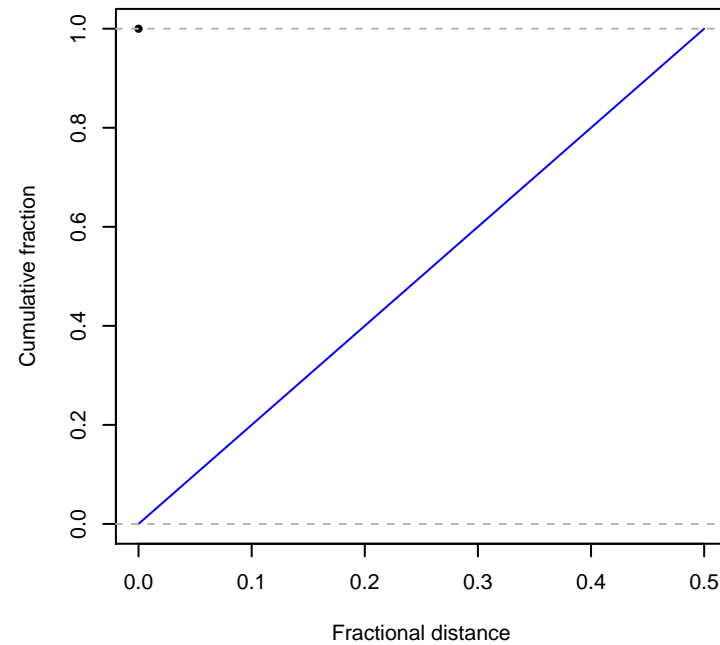
pcontig_019

Query population : 12
Reference population : 12
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 : 101.368

Absolute distances



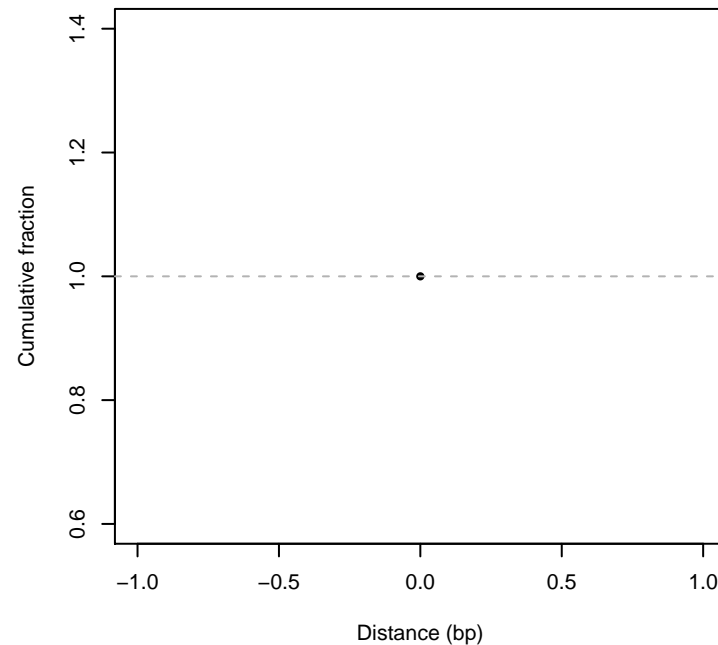
Relative distances



pcontig_020

Query population : 32
Reference population : 32
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 : 41.6571

Absolute distances



Relative distances



pcontig_021

Query population : 25
Reference population : 25
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 : 56.0263

Absolute distances



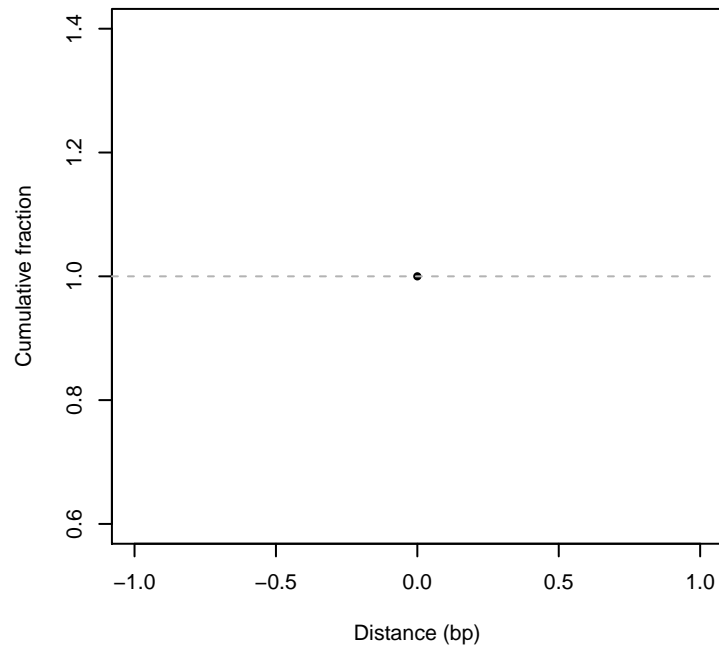
Relative distances



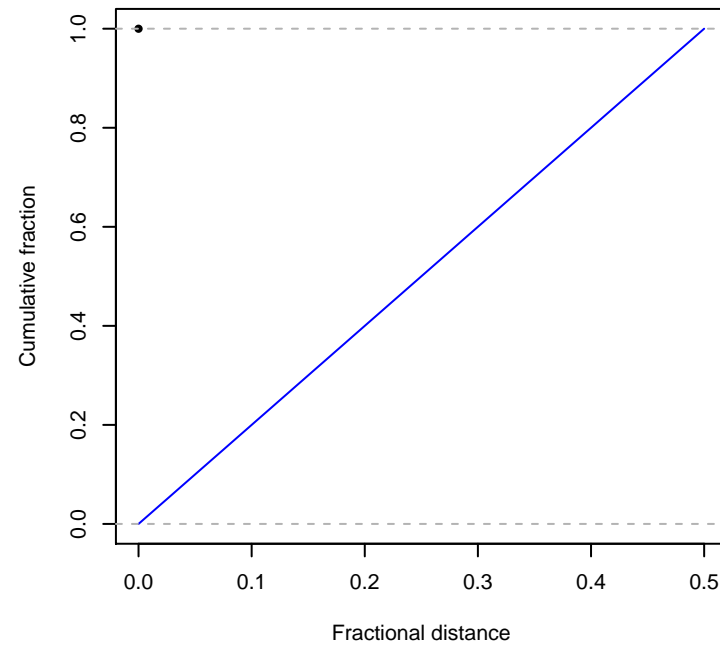
pcontig_022

Query population : 32
Reference population : 32
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 : 47.6305

Absolute distances



Relative distances



pcontig_023

Query population : 31
Reference population : 31
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 : 42.6367

Absolute distances



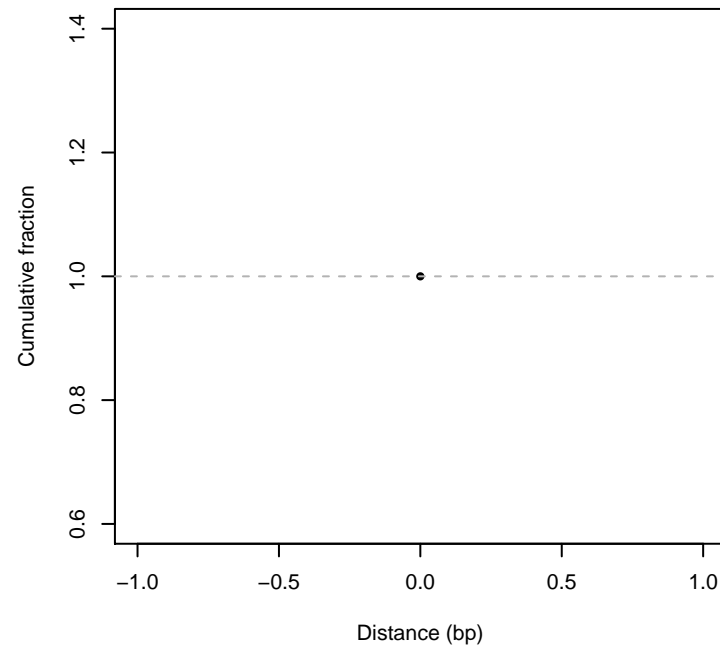
Relative distances



pcontig_024

Query population : 2
Reference population : 2
Relative Ks p-value : 5.55112e-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 : 438.667

Absolute distances



Relative distances



pcontig_025

Query population : 13
Reference population : 13
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 : 66.496

Absolute distances



Relative distances



pcontig_026

Query population : 22
Reference population : 22
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 : 56.4332

Absolute distances



Relative distances



pcontig_027

Query population : 25
Reference population : 25
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 : 48.2301

Absolute distances



Relative distances



pcontig_028

Query population : 15
Reference population : 15
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 : 85.4849

Absolute distances



Relative distances



pcontig_029

Query population : 19
Reference population : 19
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 : 79.8082

Absolute distances



Relative distances



pcontig_030

Query population : 26
Reference population : 26
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 : 63.8611

Absolute distances



Relative distances



pcontig_031

Query population : 19
Reference population : 19
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 : 76.7081

Absolute distances



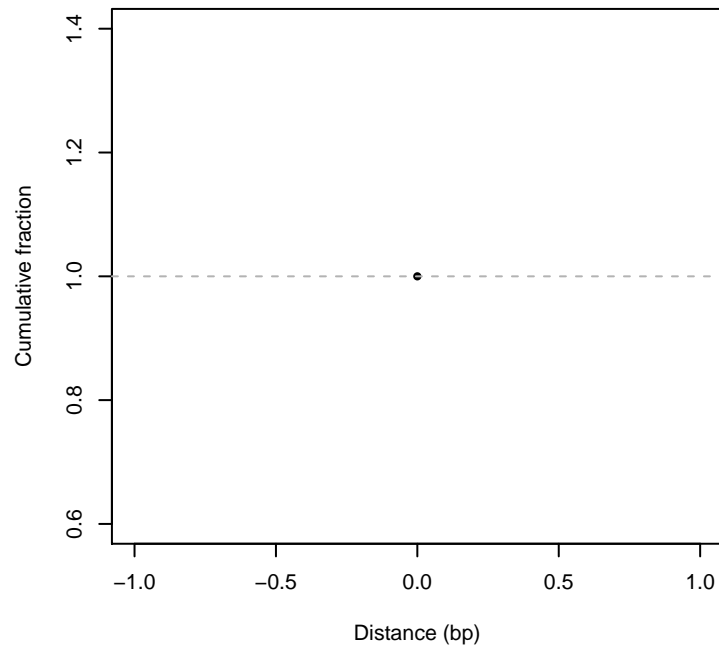
Relative distances



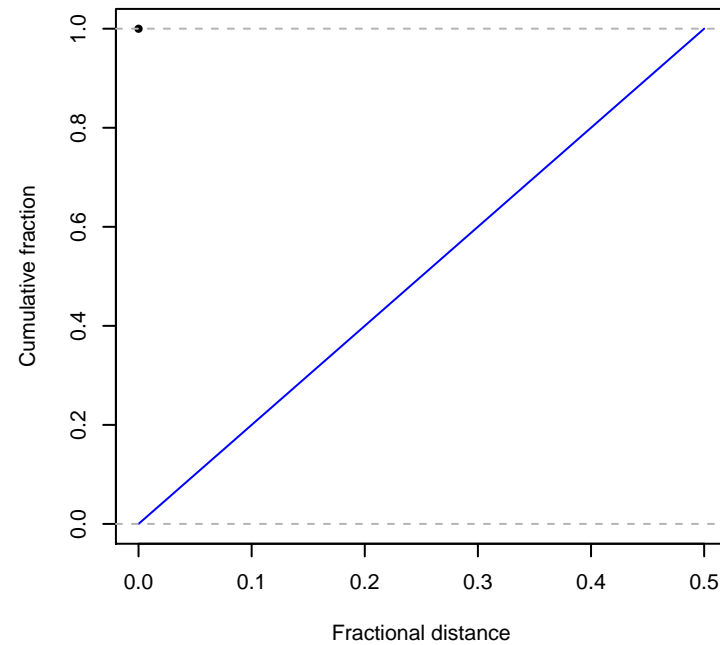
pcontig_033

Query population : 24
Reference population : 24
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 : 55.9141

Absolute distances



Relative distances



pcontig_034

Query population : 9
Reference population : 9
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 : 101.964

Absolute distances



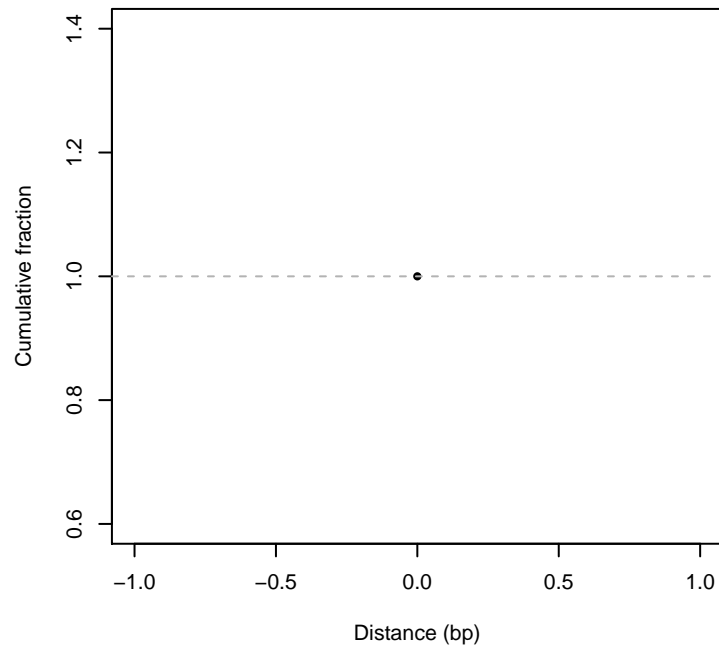
Relative distances



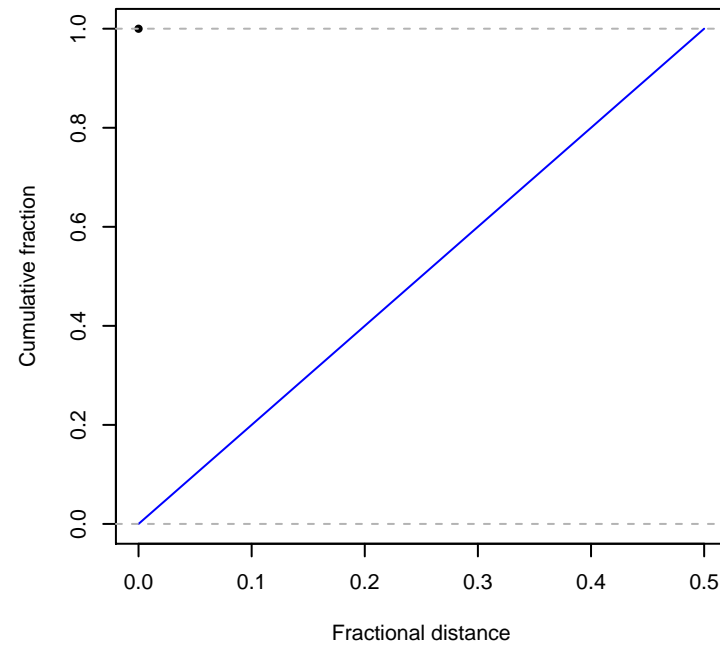
pcontig_035

Query population : 17
Reference population : 17
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 : 76.7588

Absolute distances



Relative distances



pcontig_036

Query population : 15
Reference population : 15
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 : 82.9864

Absolute distances



Relative distances



pcontig_037

Query population : 25
Reference population : 25
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 : 57.4547

Absolute distances



Relative distances



pcontig_039

Query population : 14
Reference population : 14
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 : 49.7499

Absolute distances



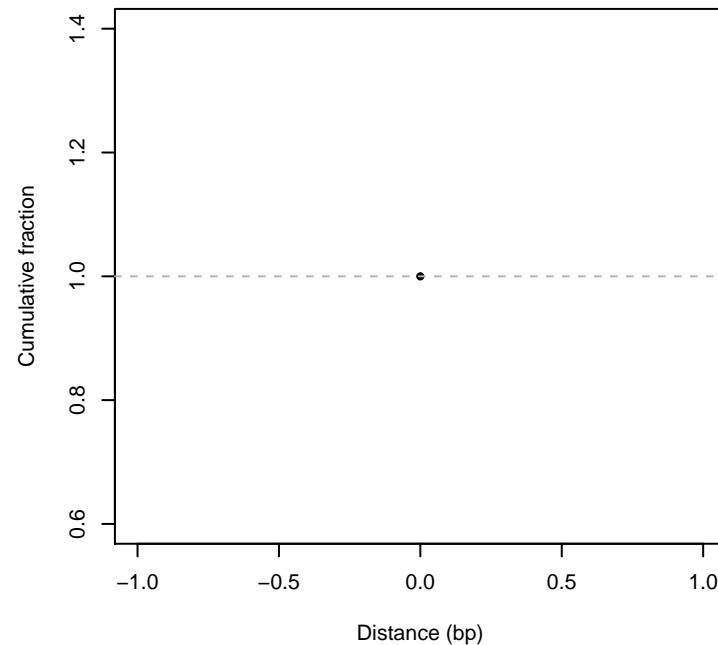
Relative distances



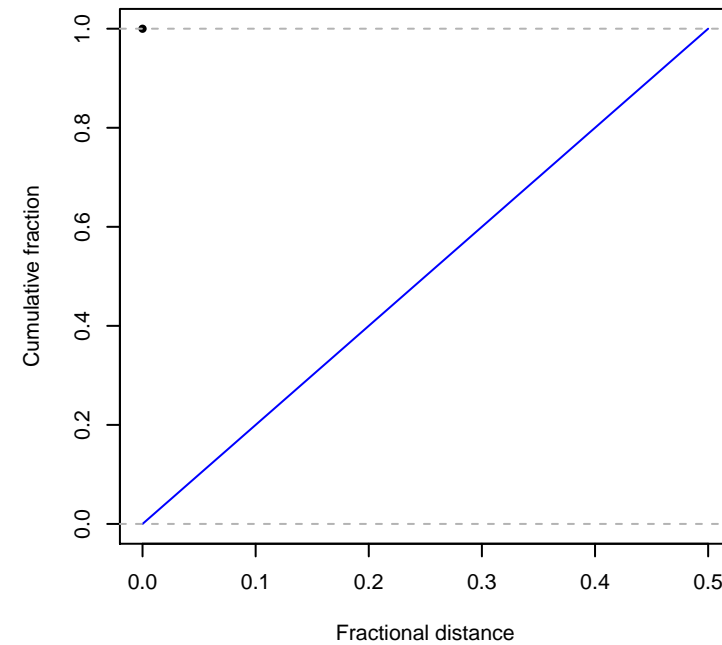
pcontig_040

Query population : 13
Reference population : 13
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 : 124.331

Absolute distances



Relative distances



pcontig_041

Query population : 22
Reference population : 22
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 : 62.4926

Absolute distances



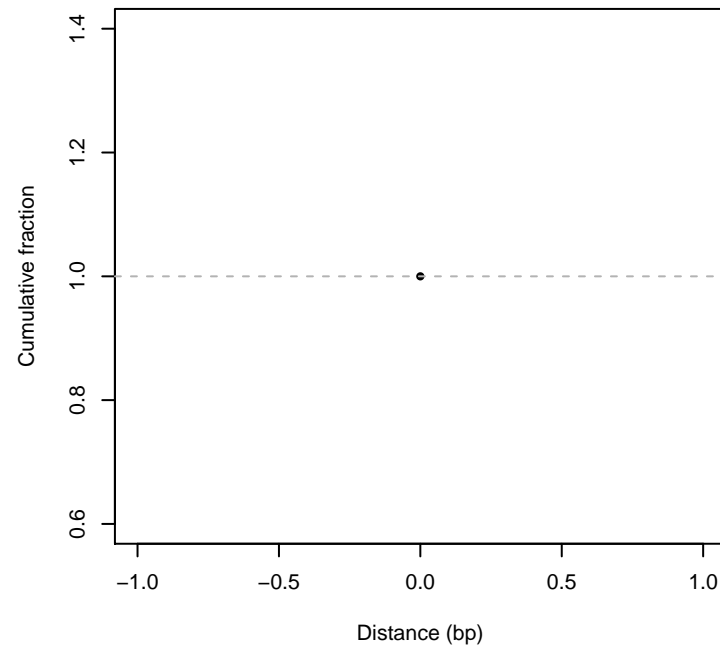
Relative distances



pcontig_042

Query population : 21
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 : 65.4794

Absolute distances



Relative distances



pcontig_043

Query population : 9
Reference population : 9
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 : 109.376

Absolute distances



Relative distances



pcontig_044

Query population : 18
Reference population : 18
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 : 78.9763

Absolute distances



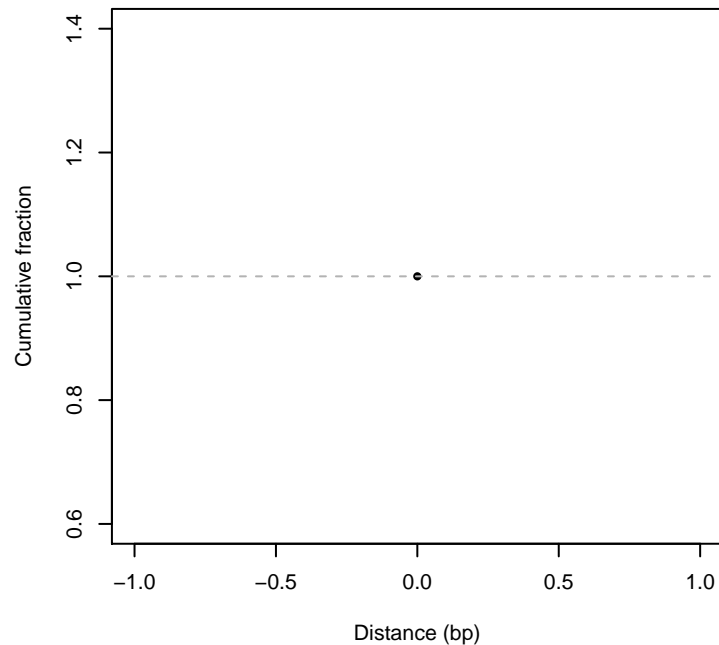
Relative distances



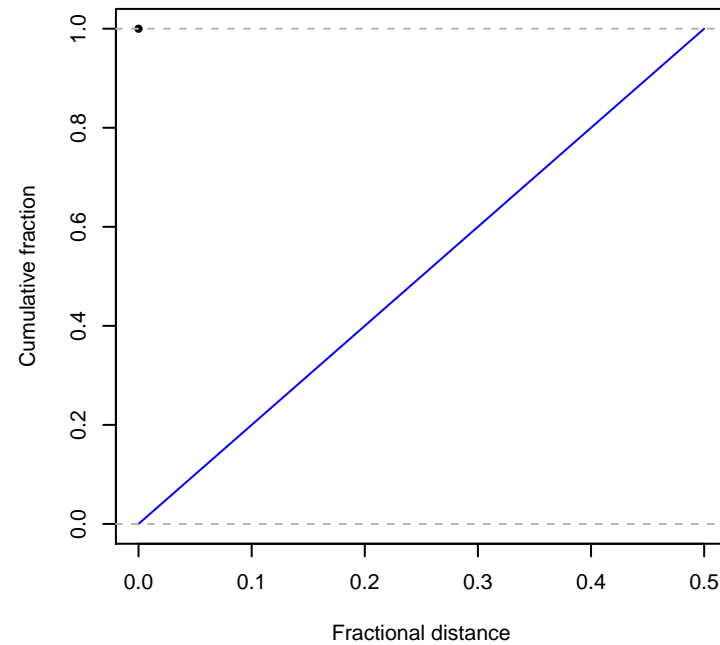
pcontig_045

Query population : 15
Reference population : 15
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 : 97.5288

Absolute distances



Relative distances



pcontig_046

Query population : 12
Reference population : 12
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 : 97.5035

Absolute distances



Relative distances



pcontig_047

Query population : 7
Reference population : 7
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 : 270.076

Absolute distances



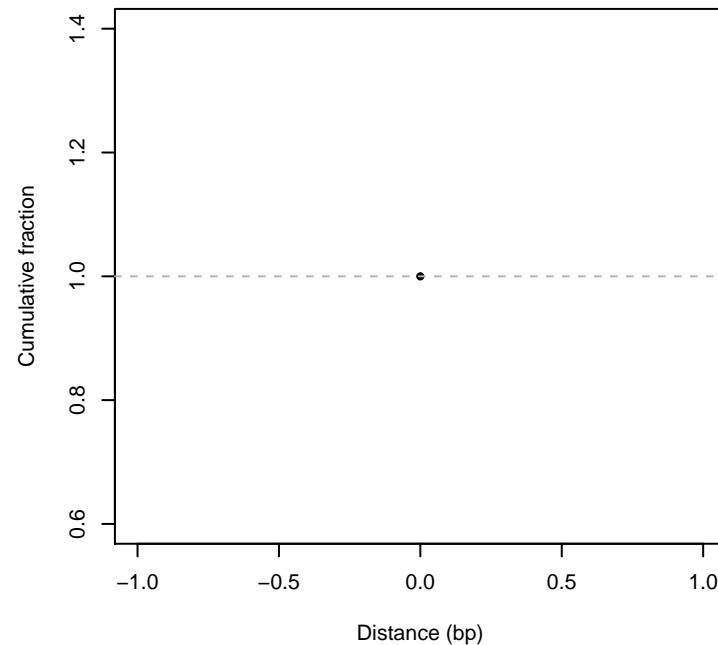
Relative distances



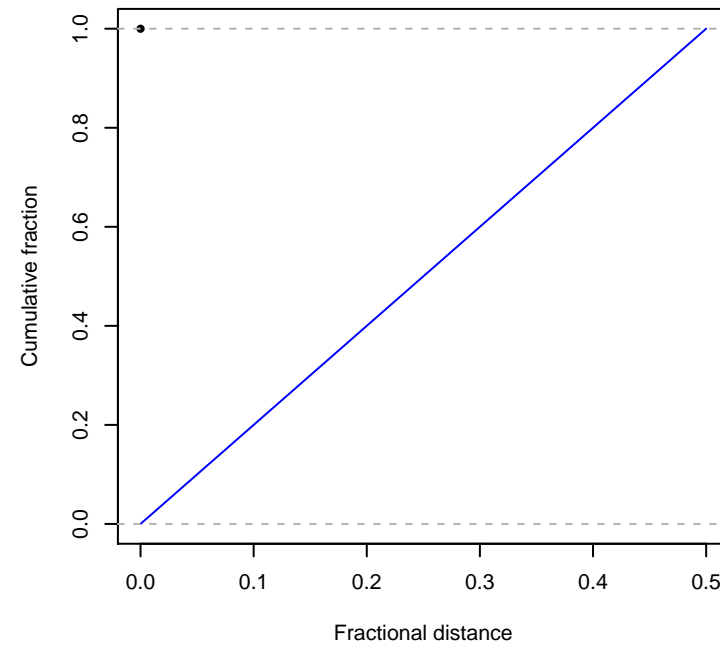
pcontig_048

Query population : 12
Reference population : 12
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 : 137.664

Absolute distances



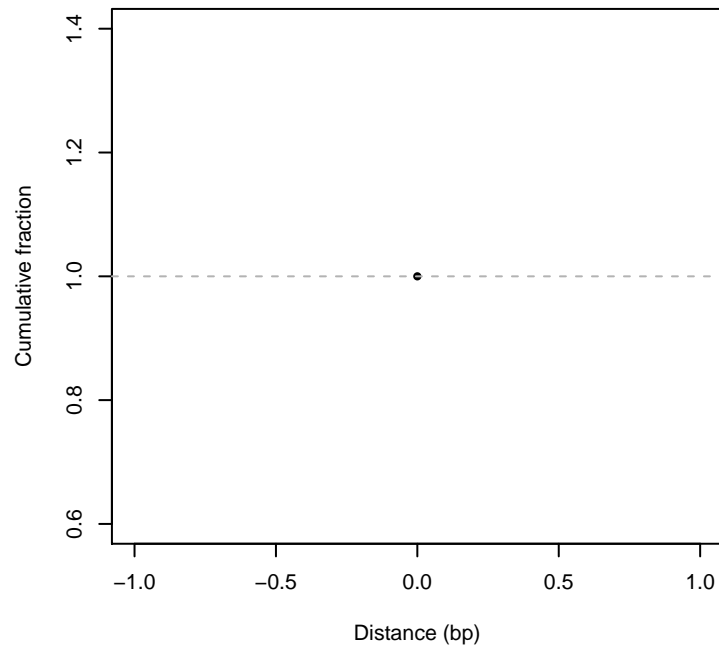
Relative distances



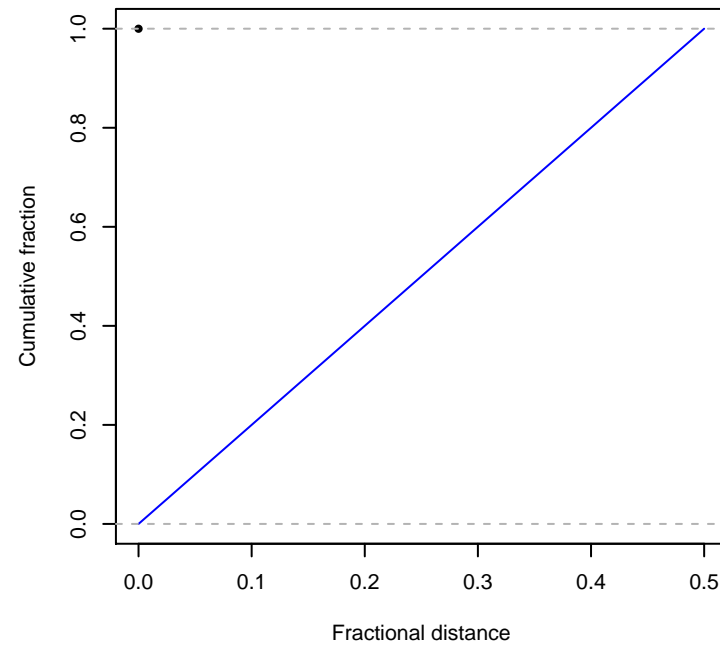
pcontig_049

Query population : 21
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 : 49.3655

Absolute distances



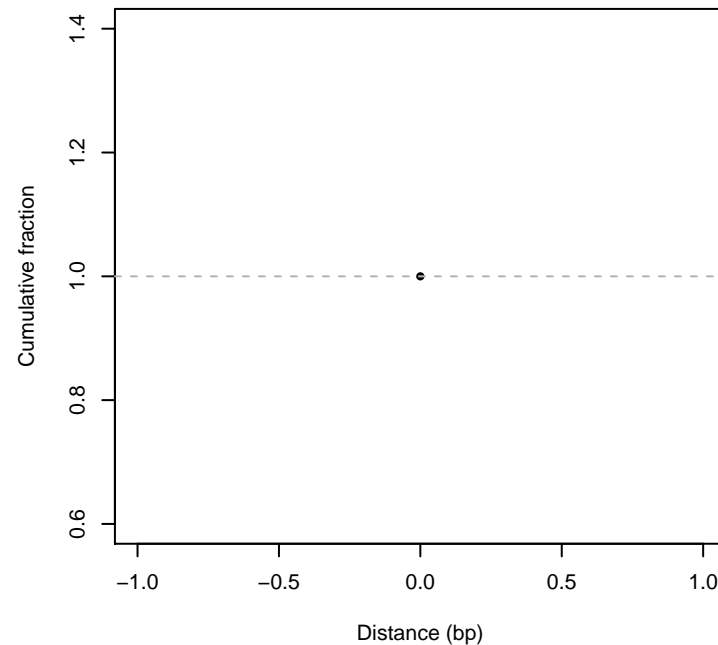
Relative distances



pcontig_050

Query population : 17
Reference population : 17
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 : 69.1842

Absolute distances



Relative distances



pcontig_051

Query population : 4
Reference population : 4
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 : 288.251

Absolute distances



Relative distances



pcontig_052

Query population : 19
Reference population : 19
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 : 58.1337

Absolute distances



Relative distances



pcontig_054

Query population : 12
Reference population : 12
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 : 149.343

Absolute distances



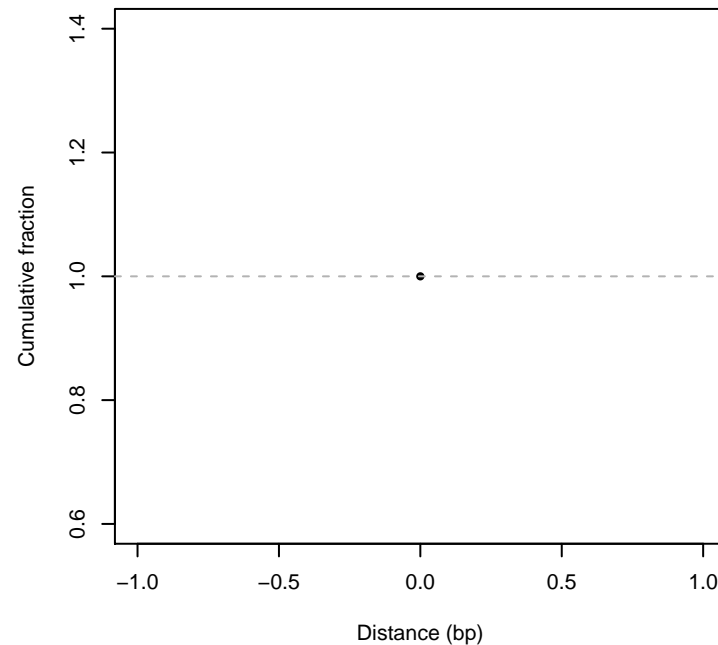
Relative distances



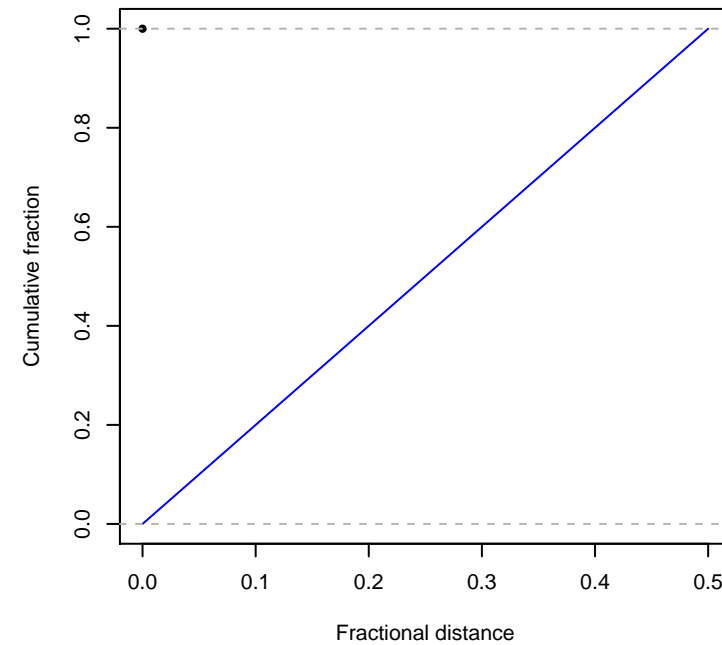
pcontig_055

Query population : 11
Reference population : 11
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 : 118.214

Absolute distances



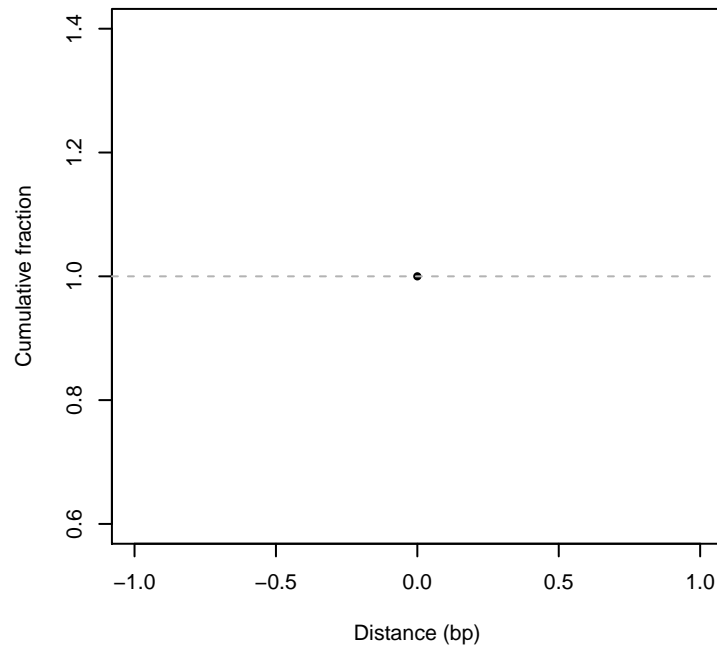
Relative distances



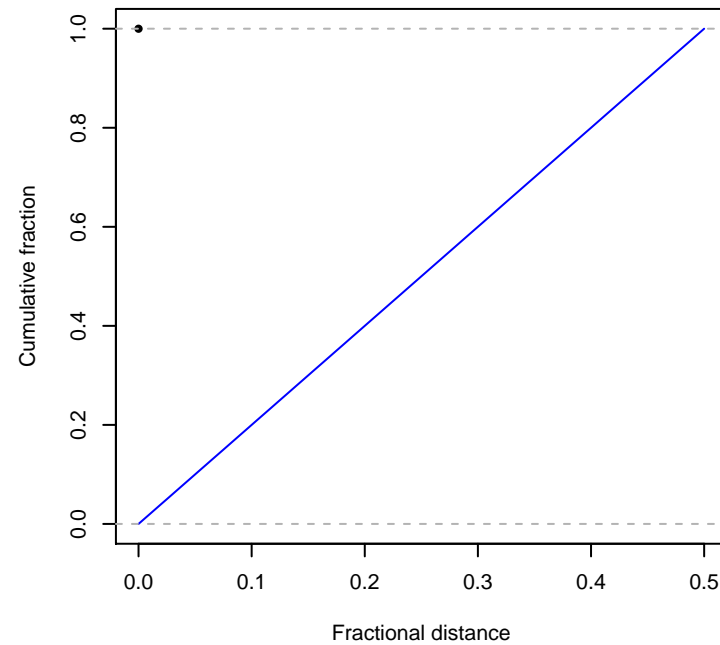
pcontig_056

Query population : 12
Reference population : 12
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 : 55.9962

Absolute distances



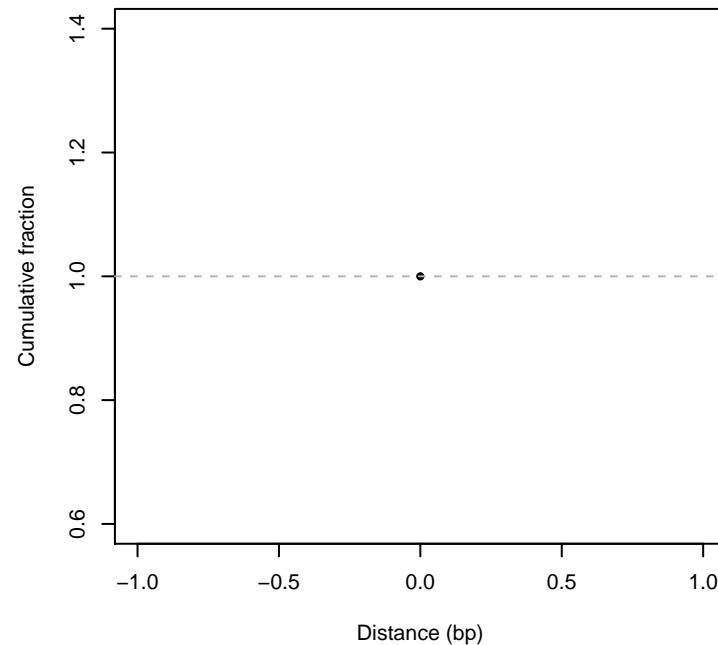
Relative distances



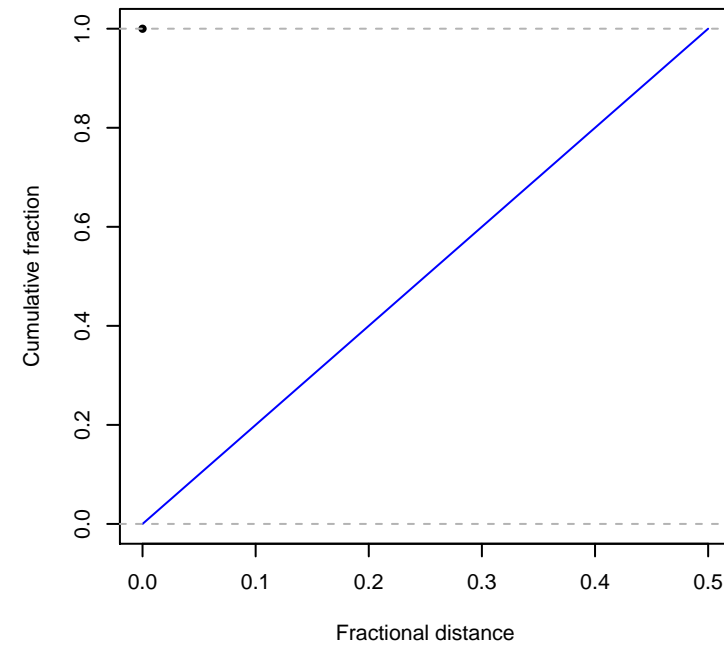
pcontig_057

Query population : 11
Reference population : 11
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 : 101.539

Absolute distances



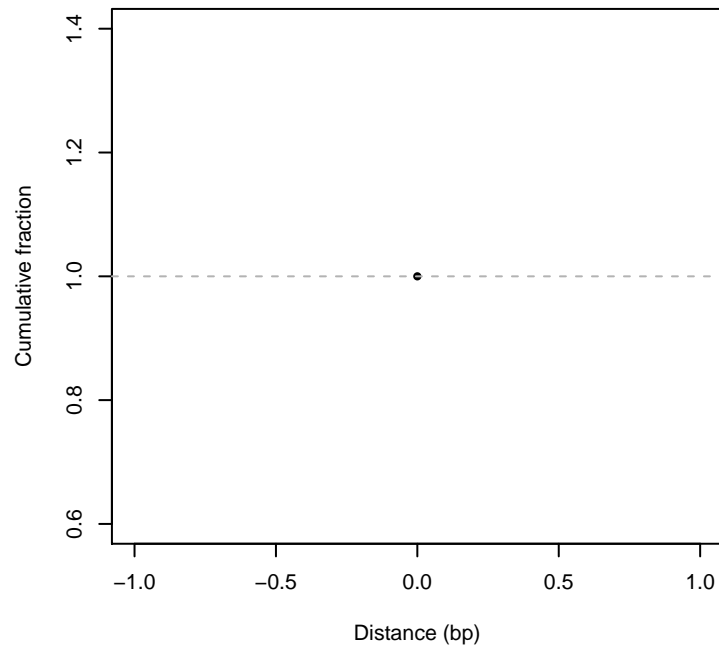
Relative distances



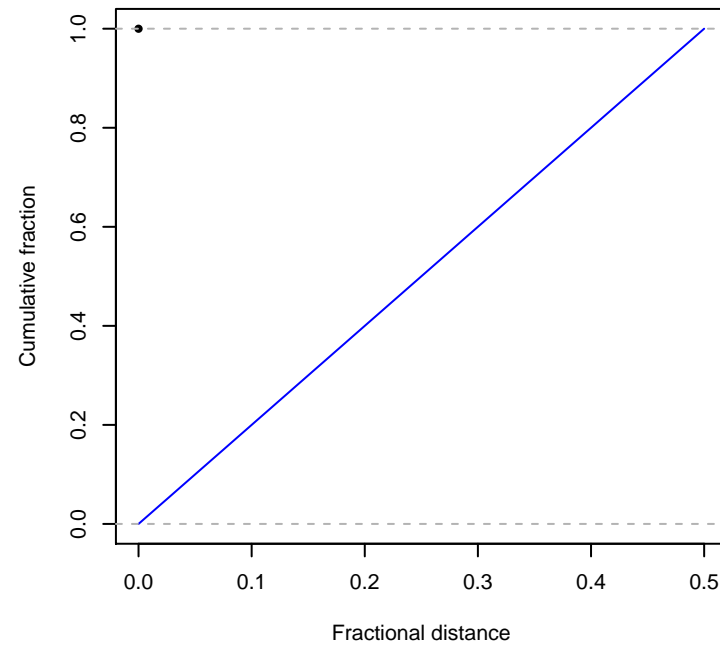
pcontig_058

Query population : 6
Reference population : 6
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 : 229.849

Absolute distances



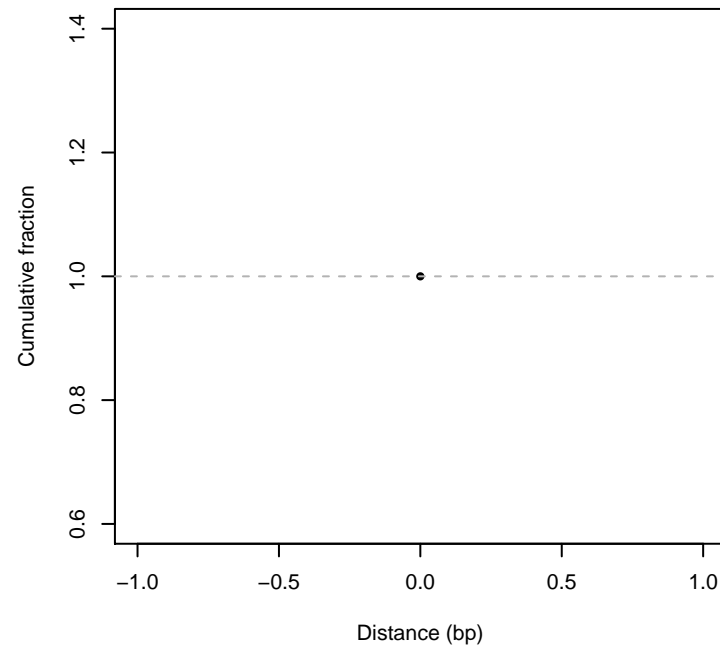
Relative distances



pcontig_059

Query population : 12
Reference population : 12
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 : 102.044

Absolute distances



Relative distances



pcontig_060

Query population : 5
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 : 204.822

Absolute distances



Relative distances



pcontig_062

Query population : 12
Reference population : 12
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 : 89.8401

Absolute distances



Relative distances



pcontig_064

Query population : 8
Reference population : 8
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 : 176.04

Absolute distances



Relative distances



pcontig_065

Query population : 8
Reference population : 8
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 : 136.846

Absolute distances



Relative distances



pcontig_066

Query population : 7
Reference population : 7
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 : 150.544

Absolute distances



Relative distances



pcontig_067

Query population : 7
Reference population : 7
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 : 173.119

Absolute distances



Relative distances



pcontig_068

Query population : 2
Reference population : 2
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 : 1035.15

Absolute distances



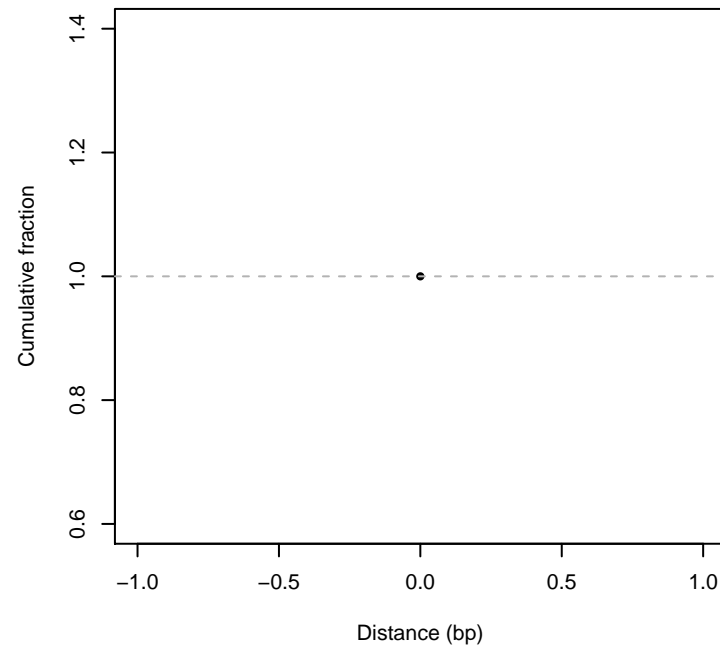
Relative distances



pcontig_069

Query population : 10
Reference population : 10
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 : 159.124

Absolute distances



Relative distances



pcontig_070

Query population : 8
Reference population : 8
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 : 167.466

Absolute distances



Relative distances



pcontig_072

Query population : 4
Reference population : 4
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 : 226.926

Absolute distances



Relative distances



pcontig_073

Query population : 5
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 : 289.025

Absolute distances



Relative distances



pcontig_074

Query population : 14
Reference population : 14
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 : 81.9245

Absolute distances



Relative distances



pcontig_075

Query population : 2
Reference population : 2
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 : 1196.58

Absolute distances



Relative distances



pcontig_077

Query population : 9
Reference population : 9
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 : 147.966

Absolute distances



Relative distances



pcontig_078

Query population : 3
Reference population : 3
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 : 536.07

Absolute distances



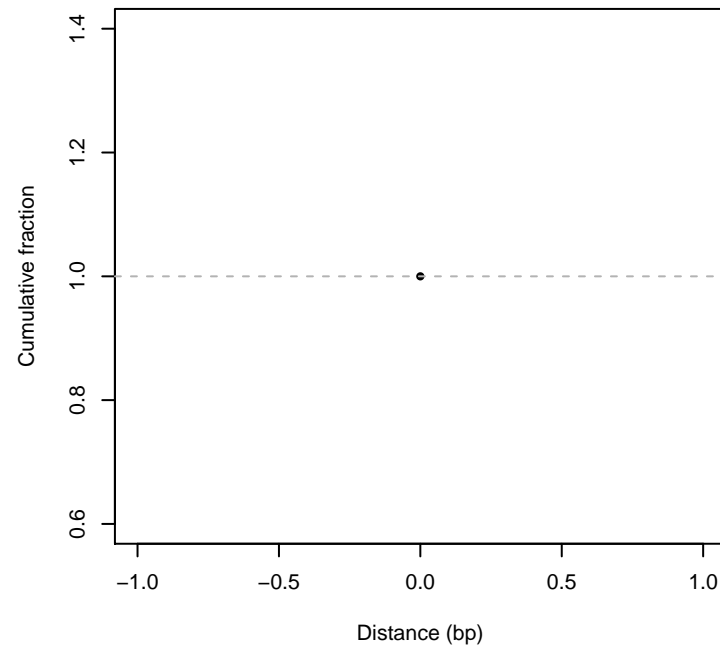
Relative distances



pcontig_079

Query population : 1
Reference population : 1
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 : 1906.06

Absolute distances



Relative distances



pcontig_080

Query population : 4
Reference population : 4
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 : 367.686

Absolute distances



Relative distances



pcontig_081

Query population : 3
Reference population : 3
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 : 371.125

Absolute distances



Relative distances



pcontig_082

Query population : 2
Reference population : 2
Relative Ks p-value : 5.08482e-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 : 960.929

Absolute distances



Relative distances



pcontig_083

Query population : 4
Reference population : 4
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 : 494.895

Absolute distances



Relative distances



pcontig_084

Query population : 6
Reference population : 6
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 : 192.665

Absolute distances



Relative distances



pcontig_086

Query population : 3
Reference population : 3
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 : 435.562

Absolute distances



Relative distances



pcontig_087

Query population : 2
Reference population : 2
Relative Ks p-value : 1.33182e-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 : 477.119

Absolute distances



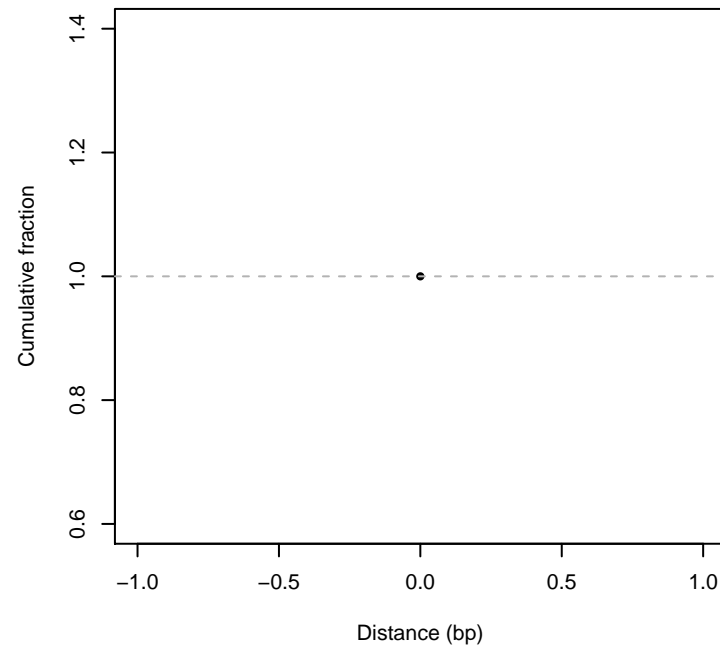
Relative distances



pcontig_088

Query population : 2
Reference population : 2
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 : 552.169

Absolute distances



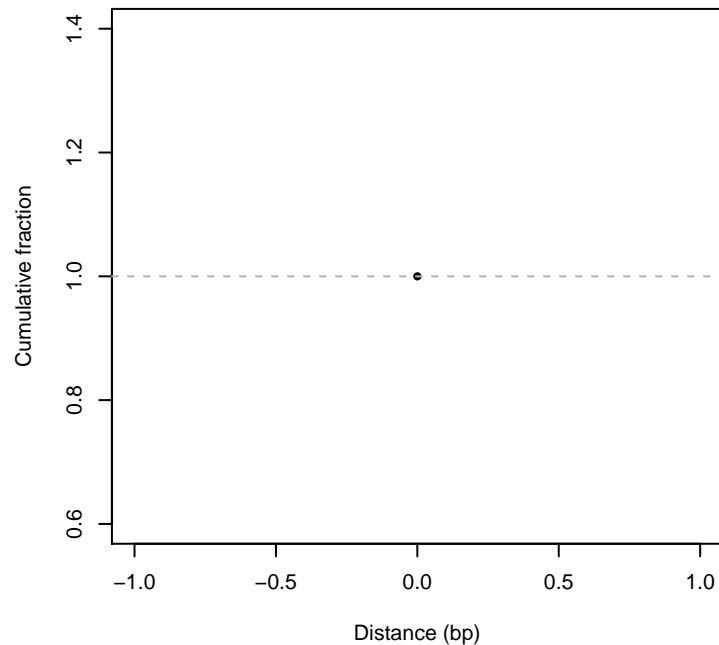
Relative distances



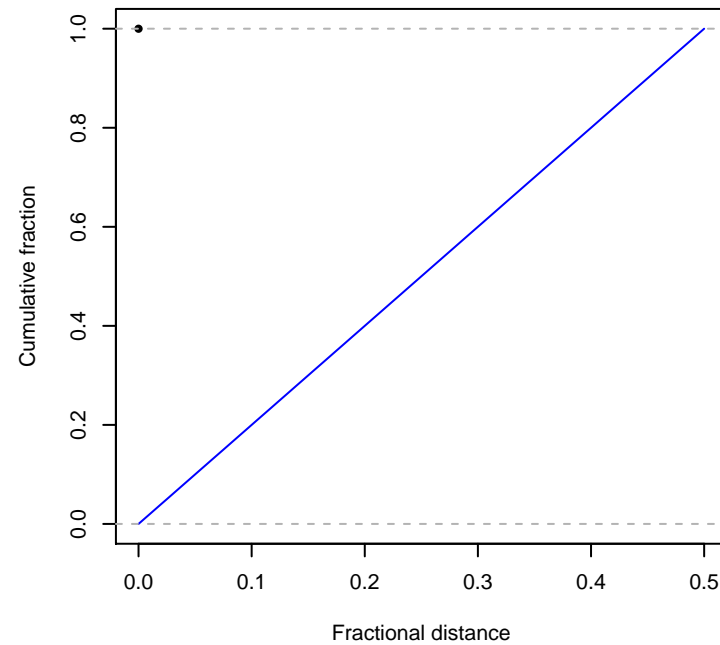
pcontig_089

Query population : 7
Reference population : 7
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 : 136.123

Absolute distances



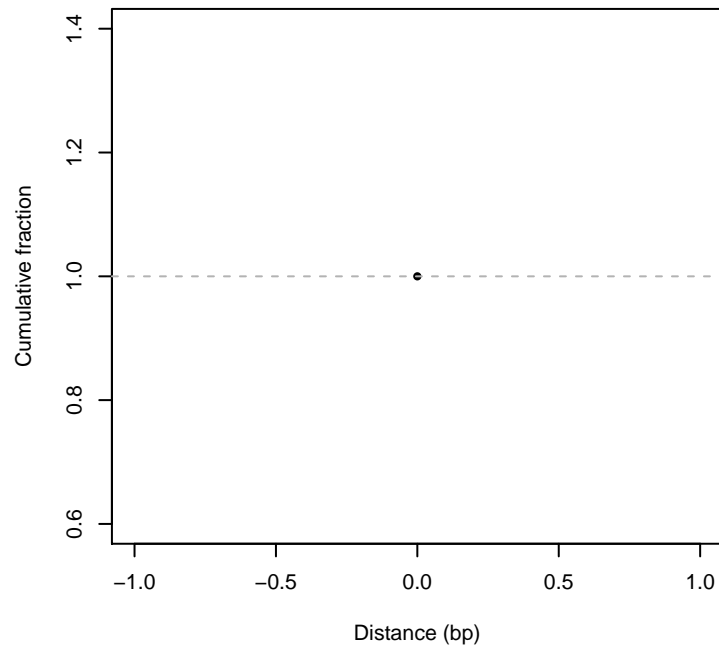
Relative distances



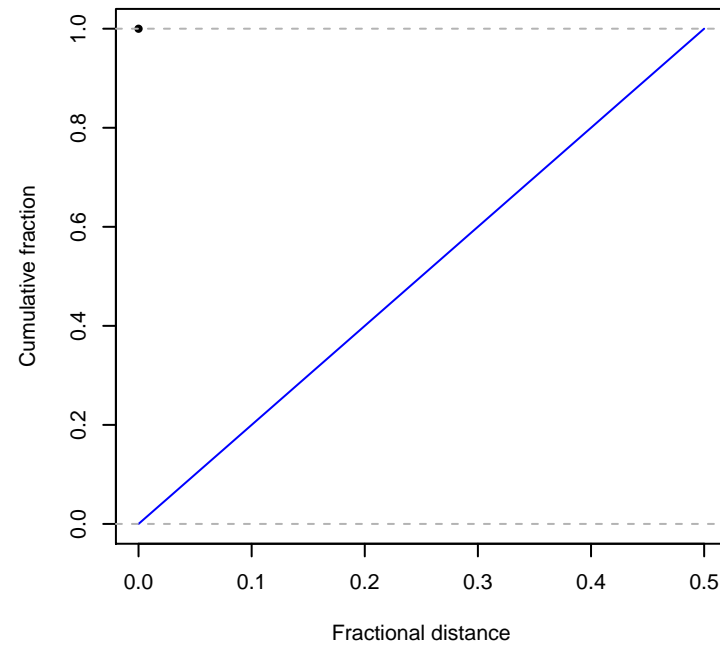
pcontig_090

Query population : 1
Reference population : 1
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 : 5244.16

Absolute distances



Relative distances



pcontig_091

Query population : 5
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 : 179.328

Absolute distances



Relative distances



pcontig_092

Query population : 4
Reference population : 4
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 : 286.118

Absolute distances



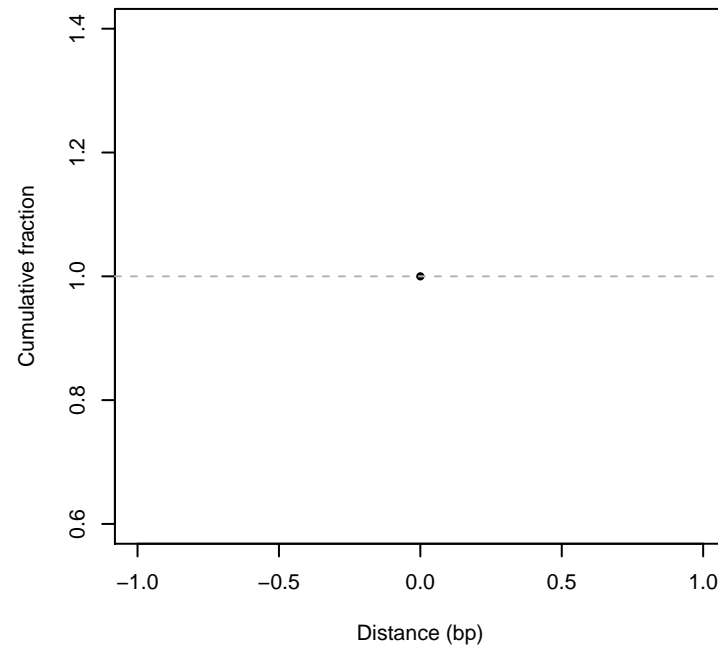
Relative distances



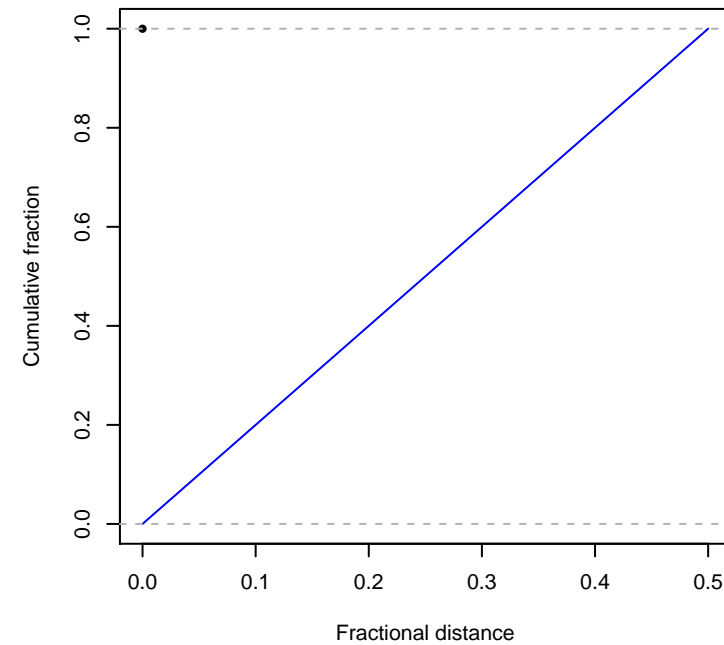
pcontig_095

Query population : 3
Reference population : 3
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 : 692.875

Absolute distances



Relative distances



pcontig_097

Query population : 2
Reference population : 2
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 : 907.158

Absolute distances



Relative distances



pcontig_100

Query population : 5
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 : 242.123

Absolute distances



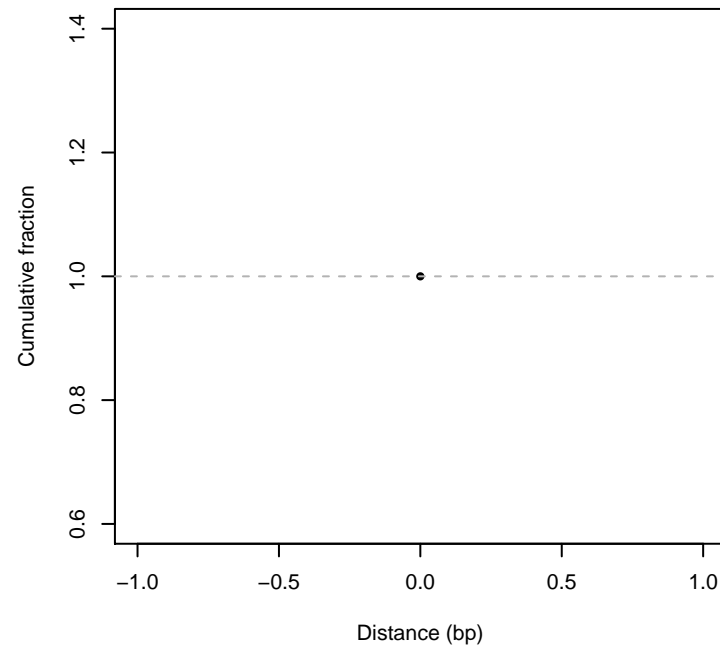
Relative distances



pcontig_103

Query population : 5
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 : 157.413

Absolute distances



Relative distances



pcontig_104

Query population : 1
Reference population : 1
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 : 1379.41

Absolute distances



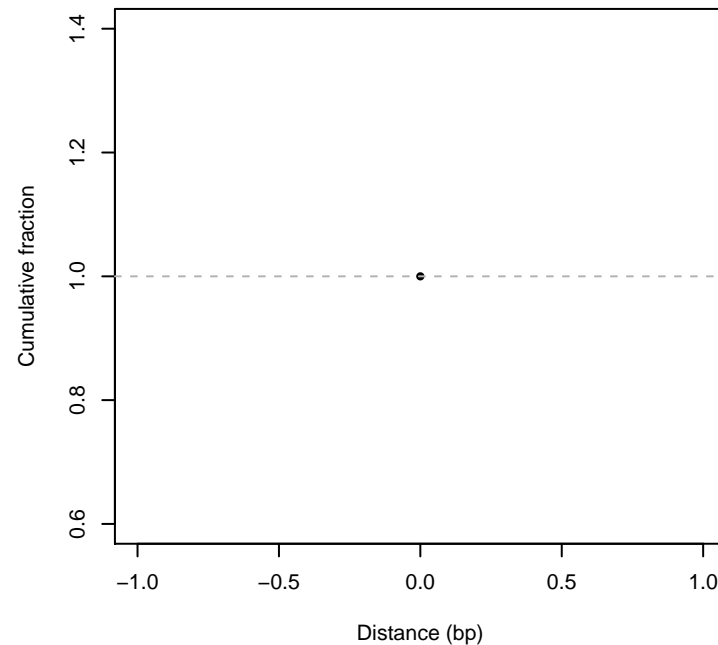
Relative distances



pcontig_106

Query population : 6
Reference population : 6
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 : 209.301

Absolute distances



Relative distances



pcontig_110

Query population : 2
Reference population : 2
Relative Ks p-value : 6.02851e-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 : 463.978

Absolute distances



Relative distances



pcontig_112

Query population : 1
Reference population : 1
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 : 1523.7

Absolute distances



Relative distances



pcontig_115

Query population : 4
Reference population : 4
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 : 405.622

Absolute distances



Relative distances



pcontig_120

Query population : 2
Reference population : 2
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 : 910.72

Absolute distances



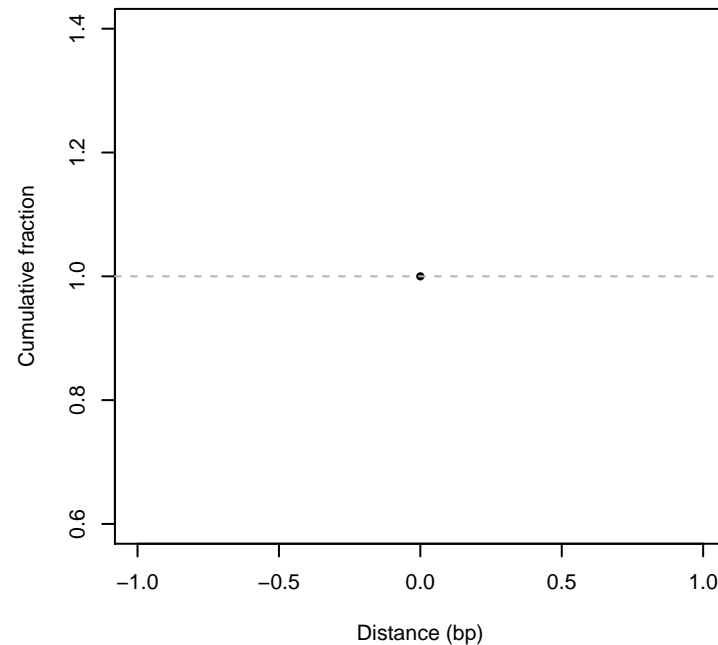
Relative distances



pcontig_130

Query population : 5
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 : 292.189

Absolute distances



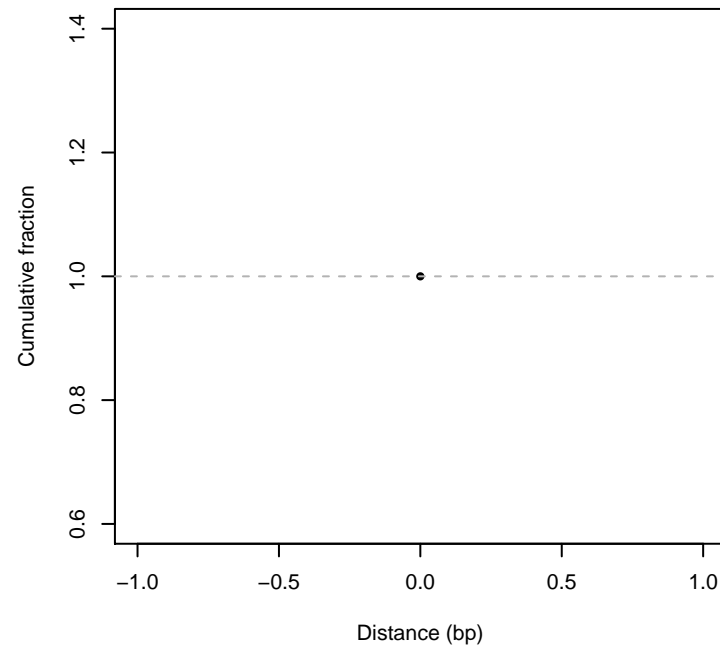
Relative distances



pcontig_138

Query population : 3
Reference population : 3
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 : 660.691

Absolute distances



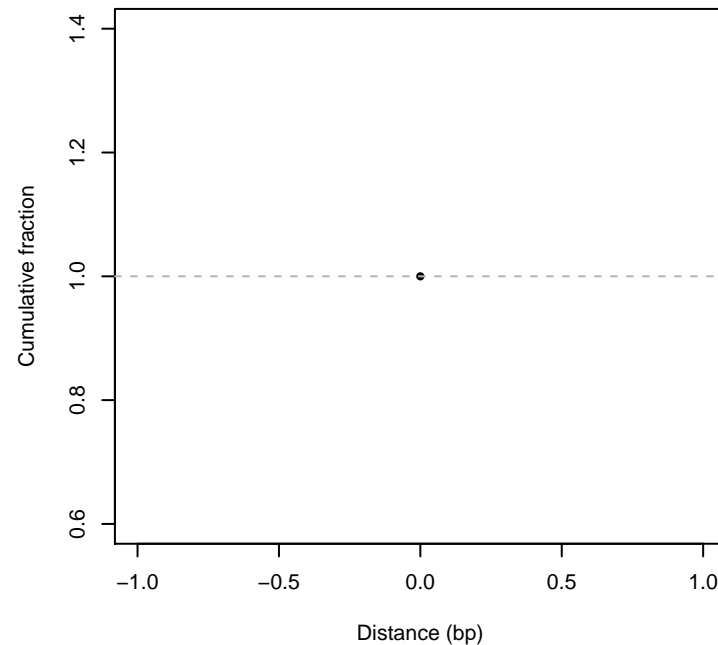
Relative distances



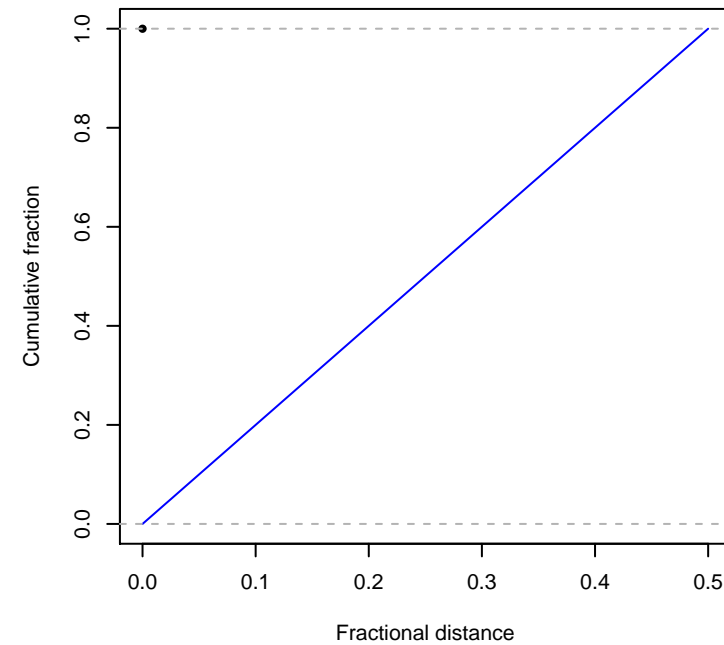
pcontig_146

Query population : 4
Reference population : 4
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 : 389.535

Absolute distances



Relative distances



pcontig_147

Query population : 2
Reference population : 2
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 : 330.02

Absolute distances



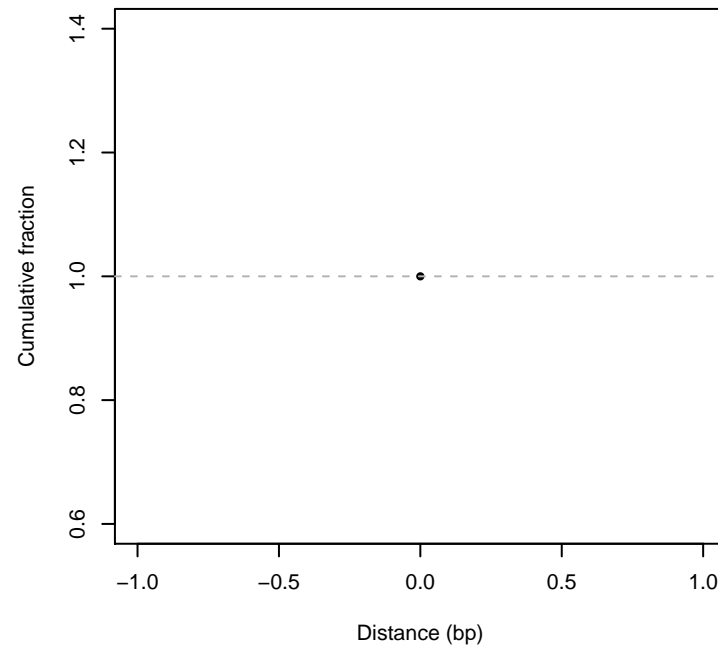
Relative distances



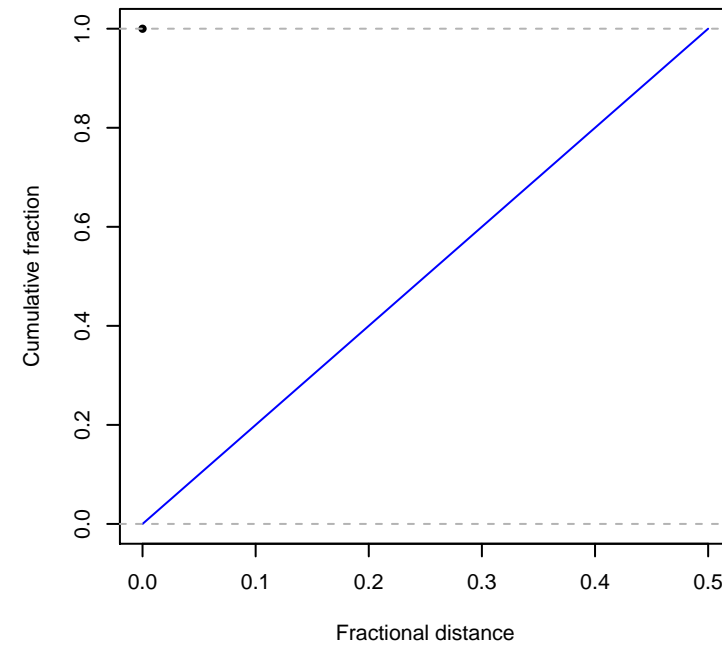
pcontig_148

Query population : 1
Reference population : 1
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 : 2002.25

Absolute distances



Relative distances



pcontig_157

Query population : 2
Reference population : 2
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 : 1176.05

Absolute distances



Relative distances



pcontig_166

Query population : 1
Reference population : 1
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 : 2188.24

Absolute distances



Relative distances



pcontig_174

Query population : 1
Reference population : 1
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 : 1818.69

Absolute distances



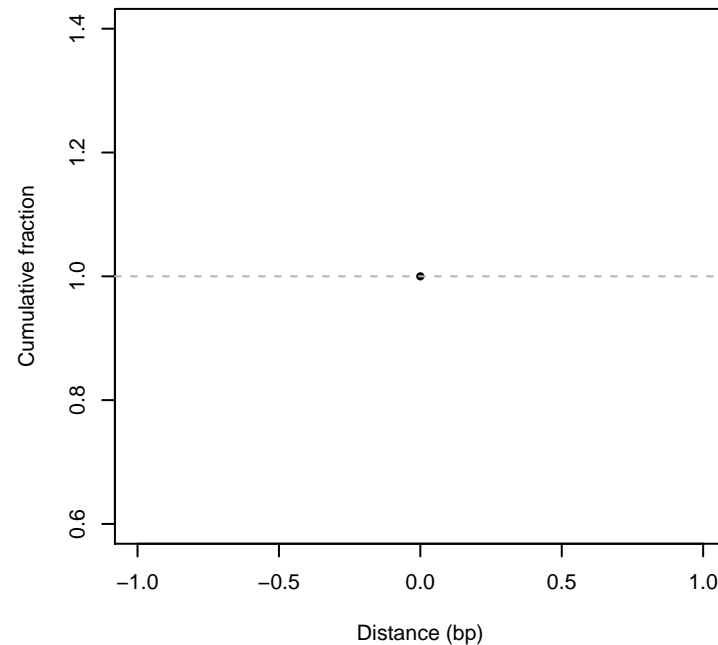
Relative distances



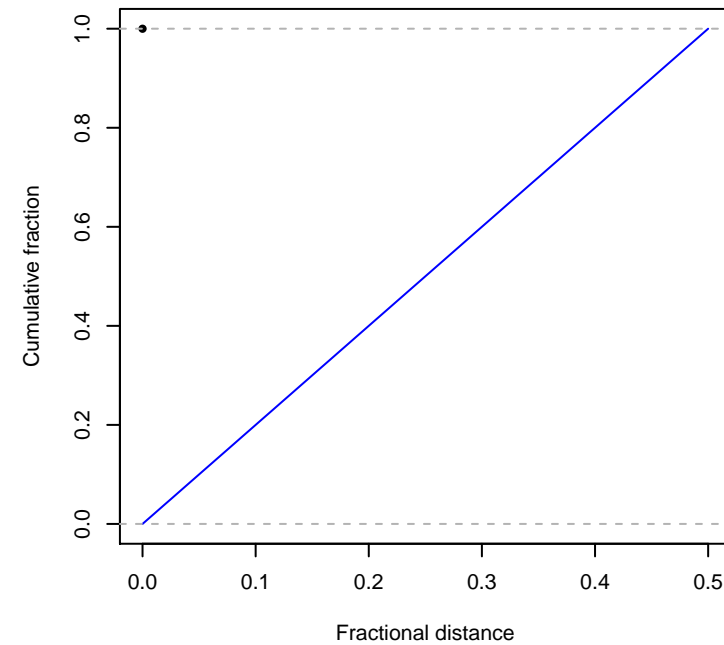
pcontig_179

Query population : 2
Reference population : 2
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 : 1607.35

Absolute distances



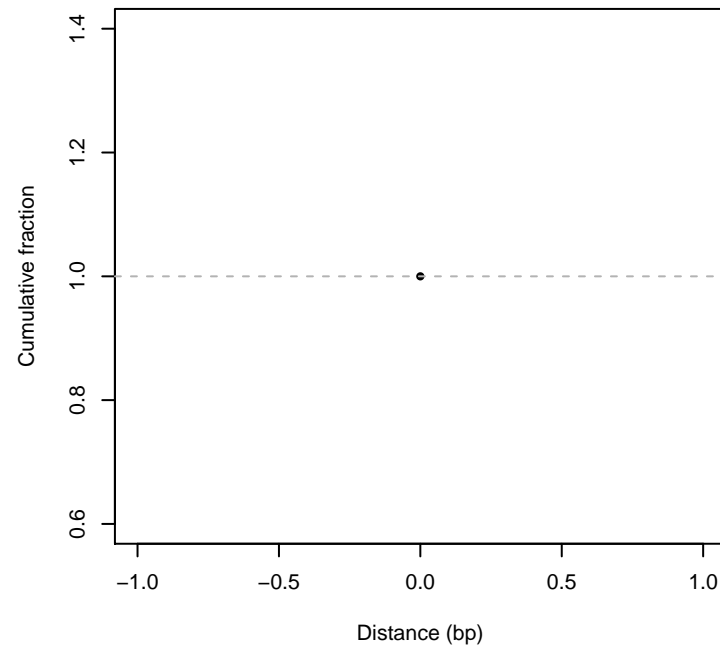
Relative distances



pcontig_181

Query population : 1
Reference population : 1
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 : 4176.45

Absolute distances



Relative distances



pcontig_186

Query population : 1
Reference population : 1
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 : 1405.12

Absolute distances



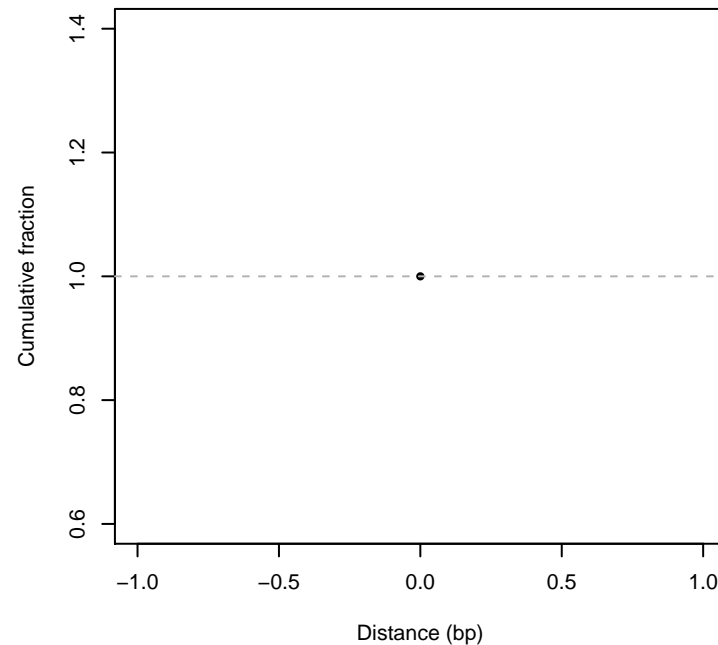
Relative distances



pcontig_187

Query population : 1
Reference population : 1
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 : 1145.67

Absolute distances



Relative distances



pcontig_188

Query population : 2
Reference population : 2
Relative Ks p-value : 9.49907e-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 : 548.752

Absolute distances



Relative distances



pcontig_189

Query population : 1
Reference population : 1
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 : 490.867

Absolute distances



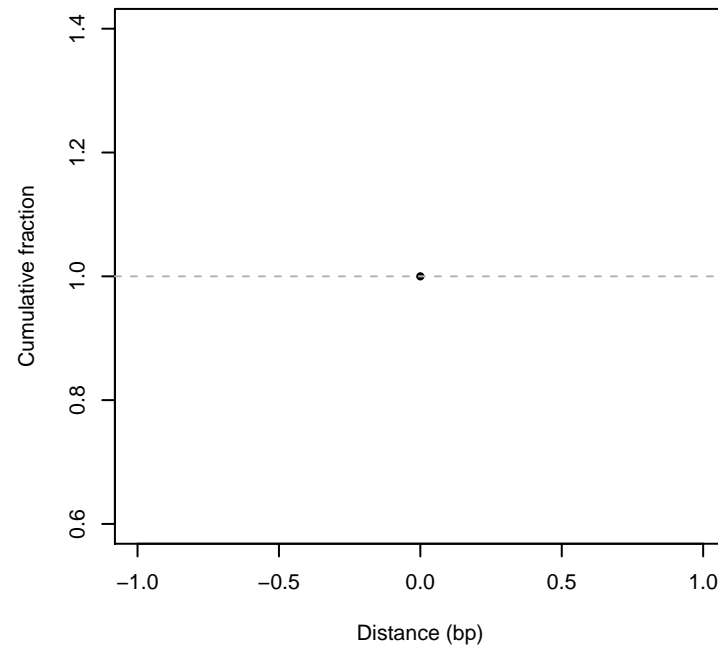
Relative distances



pcontig_203

Query population : 2
Reference population : 2
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 : 1005.47

Absolute distances



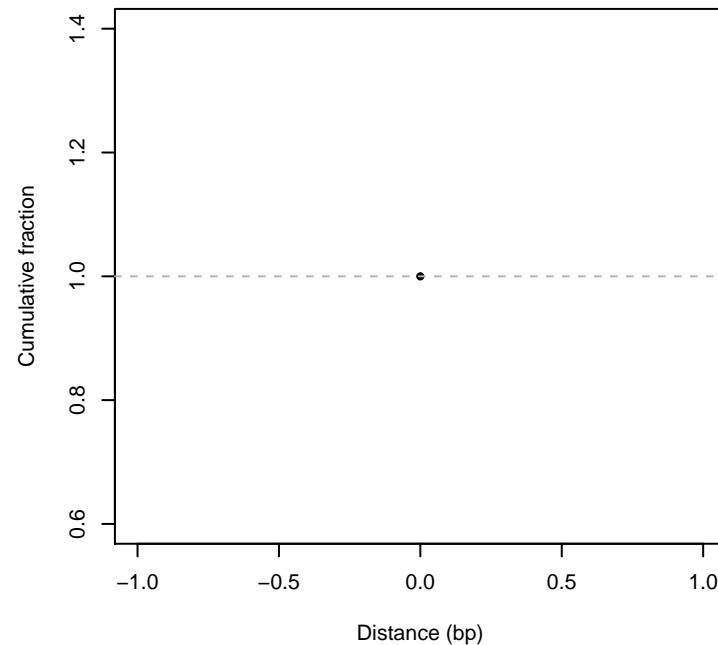
Relative distances



pcontig_218

Query population : 1
Reference population : 1
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 : 1427.07

Absolute distances



Relative distances



pcontig_233

Query population : 1
Reference population : 1
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 : 760.119

Absolute distances



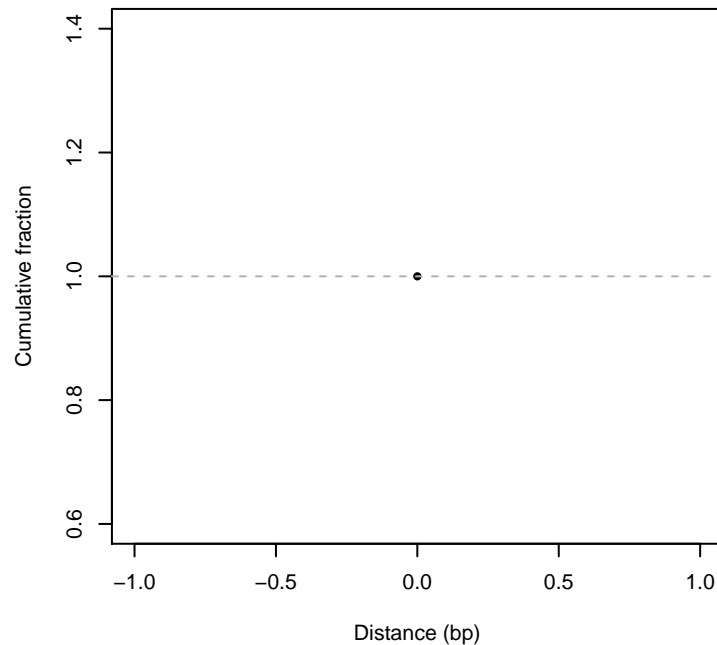
Relative distances



All Chromosomes

Query population : 1444
Reference population : 1444
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 : 97.0853

Absolute distances



Relative distances

