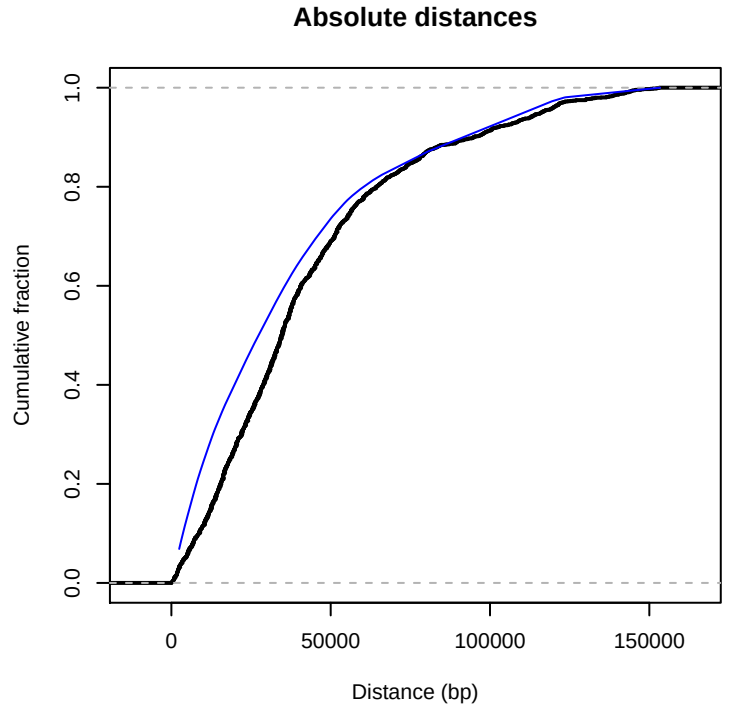
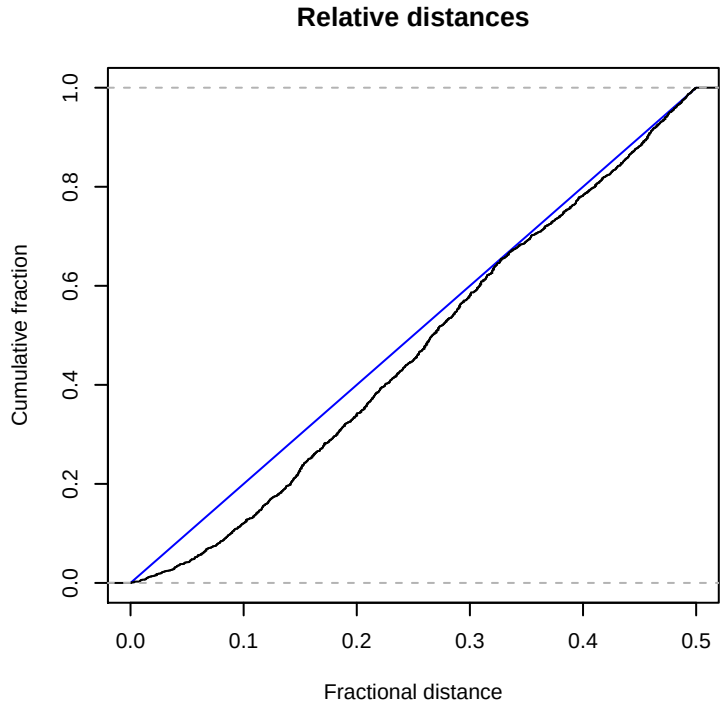
pcontig_000

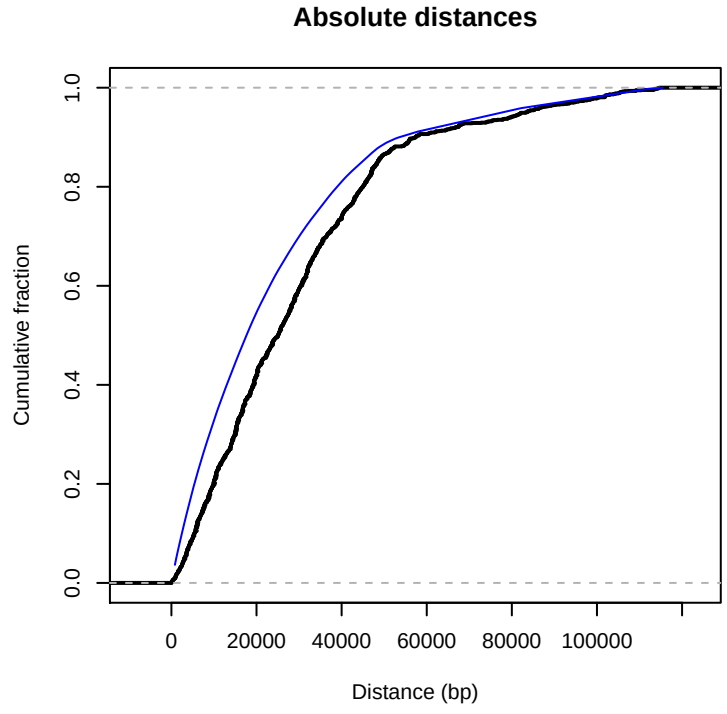
Query population : 1836
Reference population : 43
Relative Ks p−value : 9.00136e−12
Relative ecdf deviation area : 0.019149
Relative ecdf area correlation : −0.0765818
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.21362e−06
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.173317

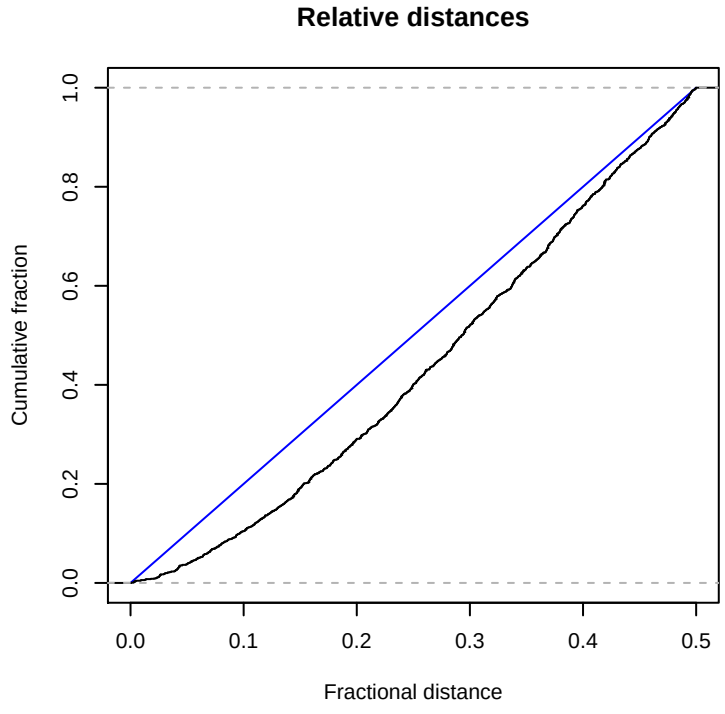




pcontig_001

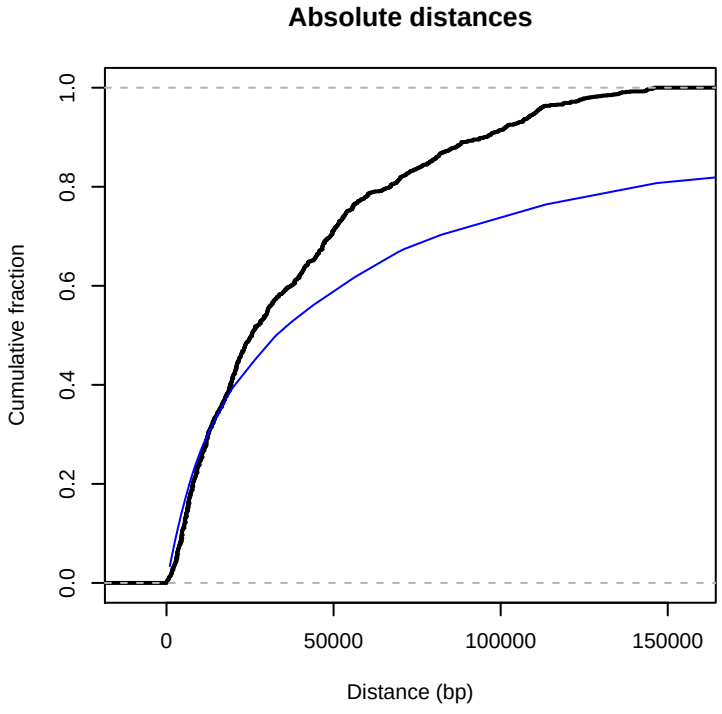
Query population : 1560
Reference population : 68
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0350981
Relative ecdf area correlation : −0.140524
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.71516e−08
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.226387

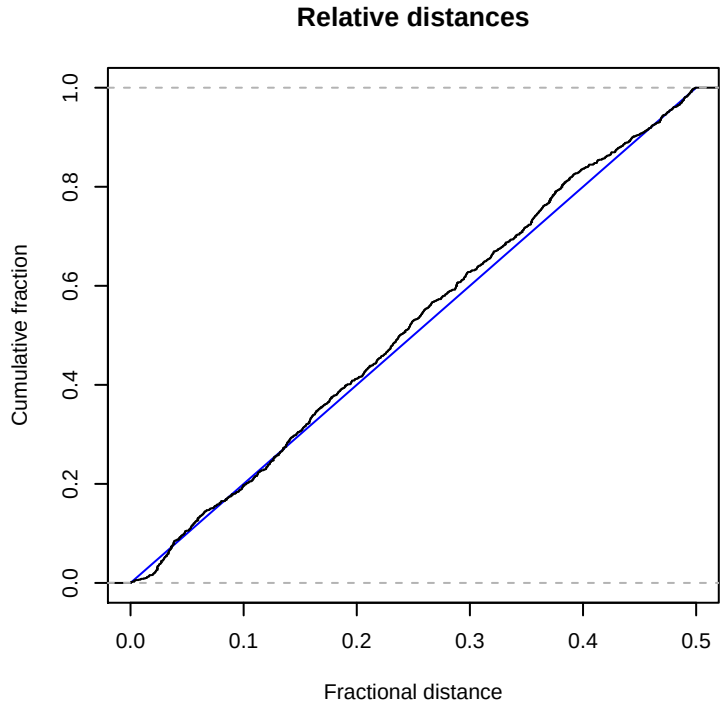




pcontig_002

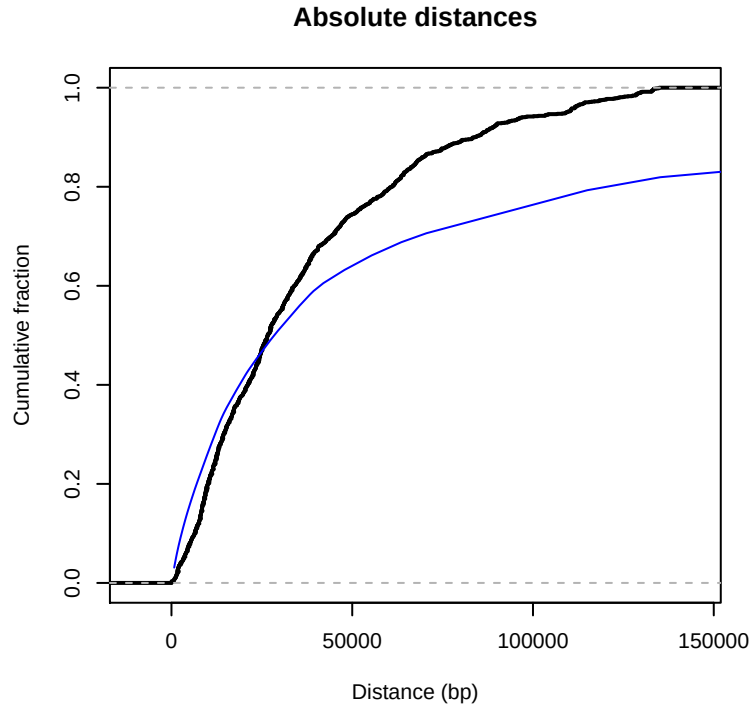
Query population : 1204
Reference population : 53
Relative Ks p−value : 0.0297518
Relative ecdf deviation area : 0.00795468
Relative ecdf area correlation : 0.025483
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000308086
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.32969

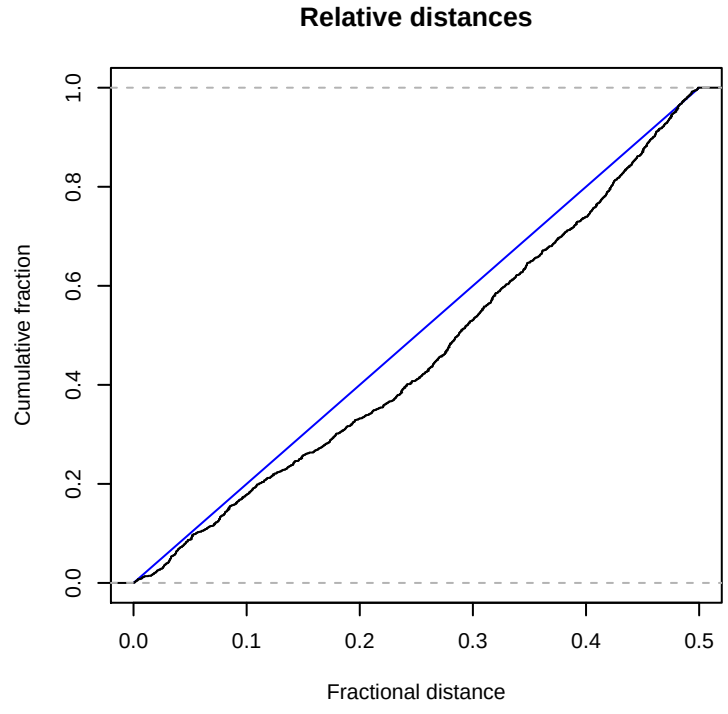




pcontig_003

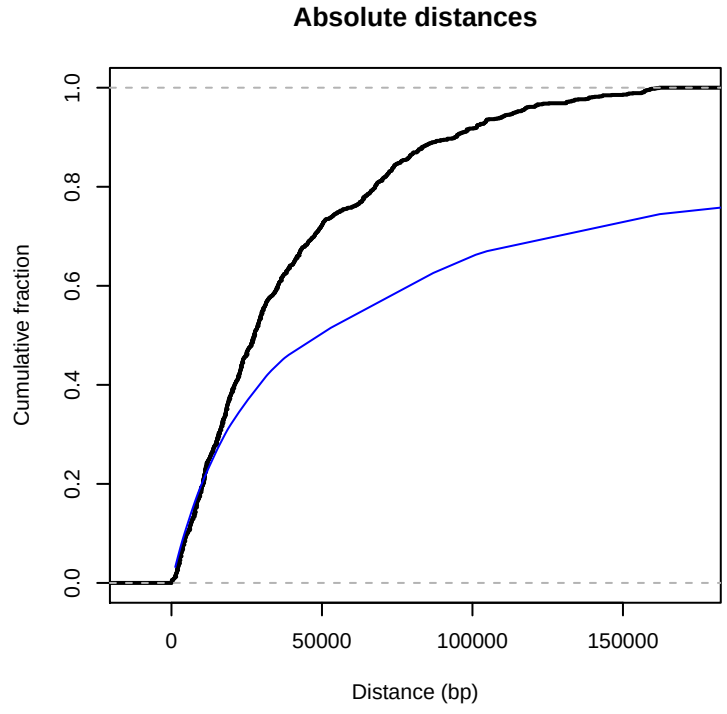
Query population : 1462
Reference population : 63
Relative Ks p−value : 2.59488e−11
Relative ecdf deviation area : 0.0226928
Relative ecdf area correlation : −0.0909457
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 4.351e−09
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.157942

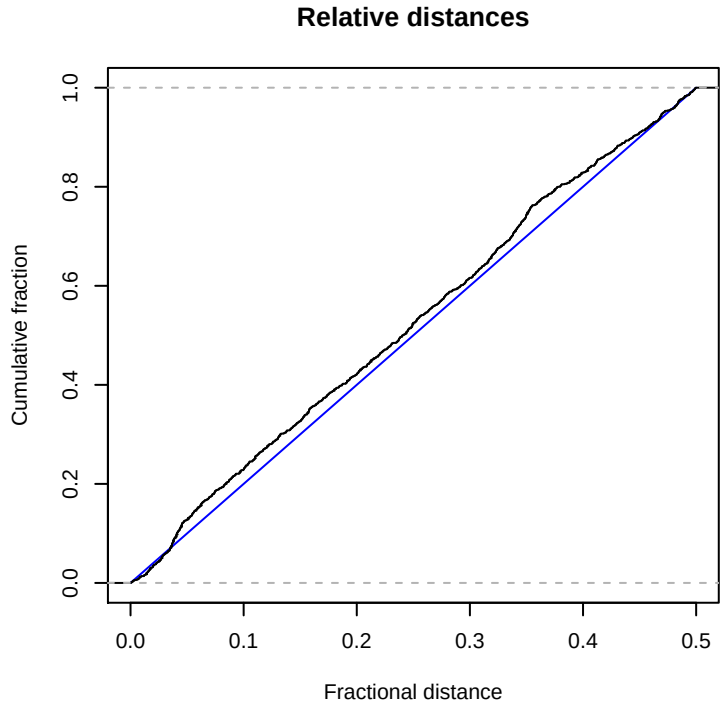




pcontig_004

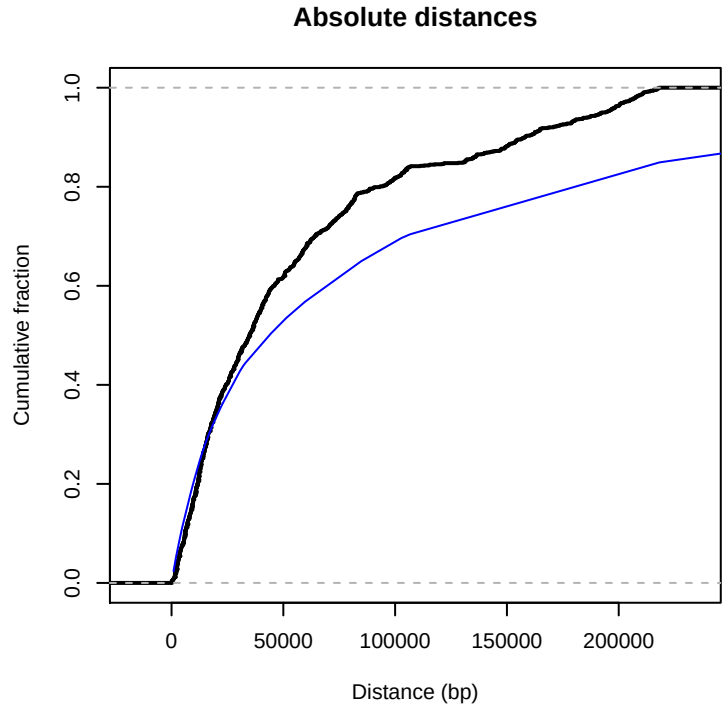
Query population : 1370
Reference population : 39
Relative Ks p−value : 0.00111714
Relative ecdf deviation area : 0.01176
Relative ecdf area correlation : 0.0448396
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0162065
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.563594

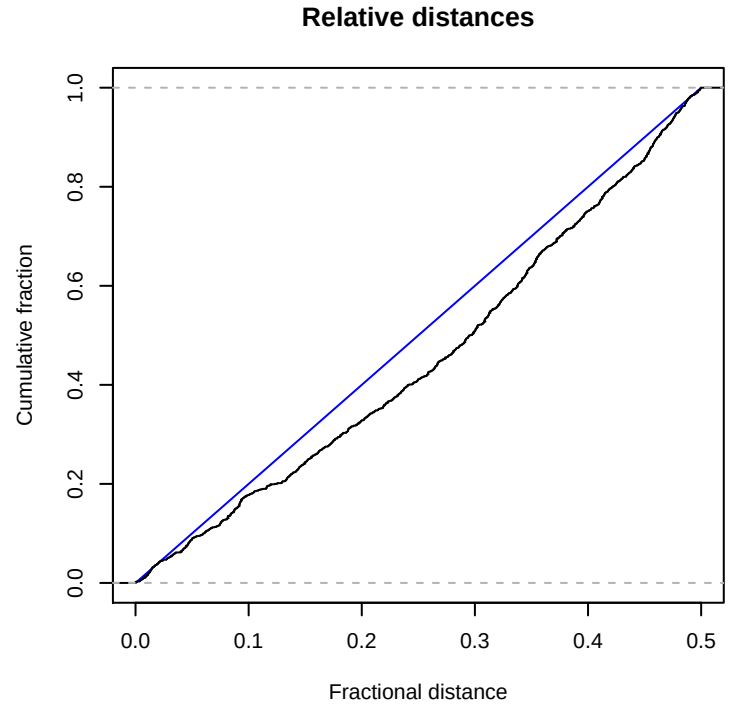




pcontig_005

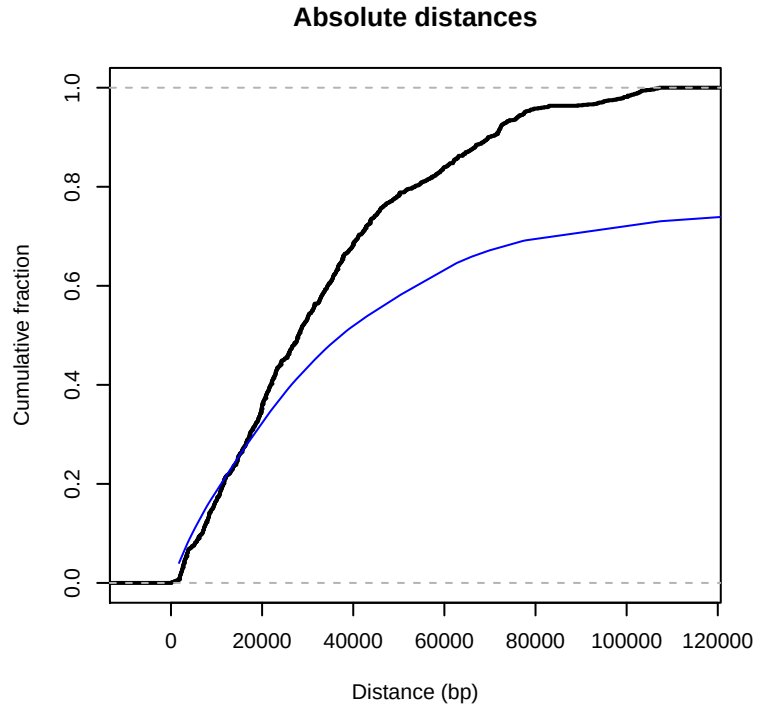
Query population : 1300
Reference population : 41
Relative Ks p−value : 3.93475e−11
Relative ecdf deviation area : 0.0253005
Relative ecdf area correlation : −0.100973
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000854808
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.329634

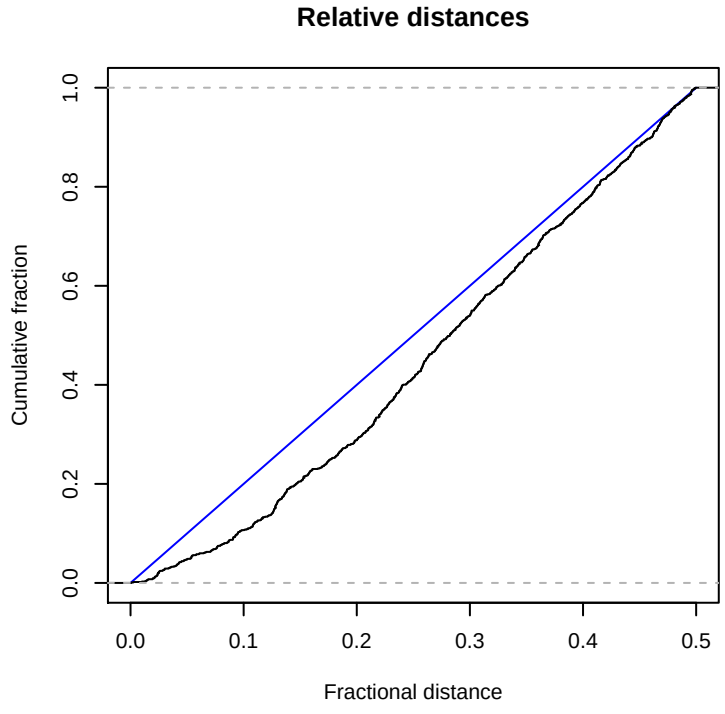




pcontig_006

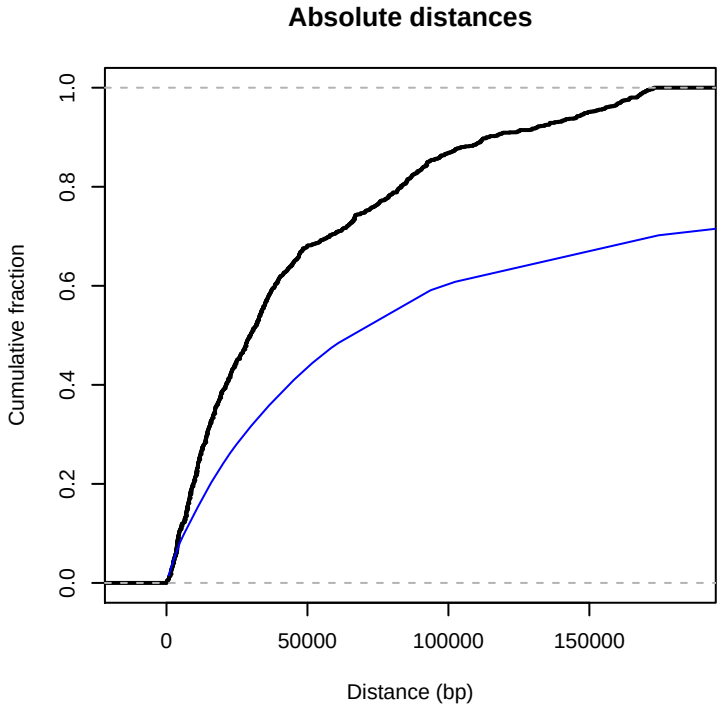
Query population : 1069
Reference population : 35
Relative Ks p−value : 2.93643e−12
Relative ecdf deviation area : 0.0294443
Relative ecdf area correlation : −0.117439
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.38
Jaccard Measure lower tail : TRUE
Projection test p−value : 7.95495e−05
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.141732

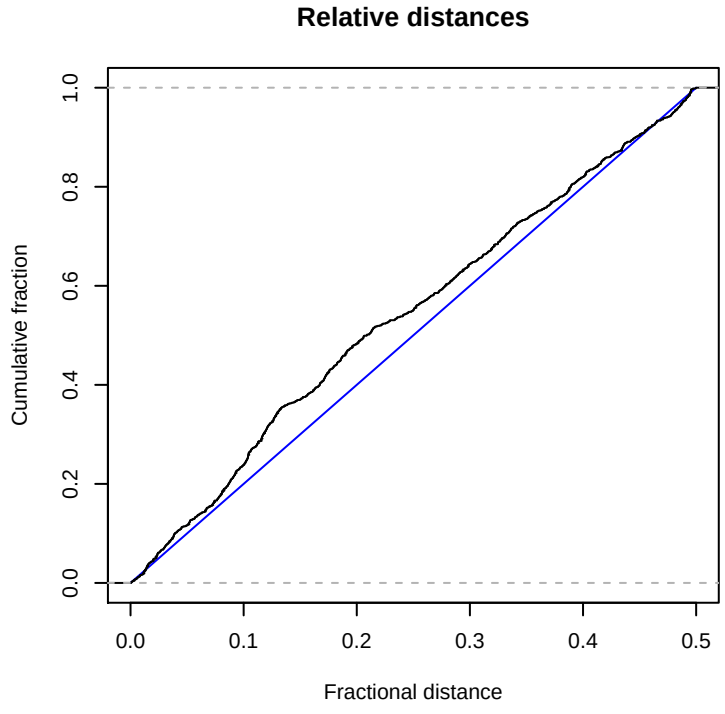




pcontig_007

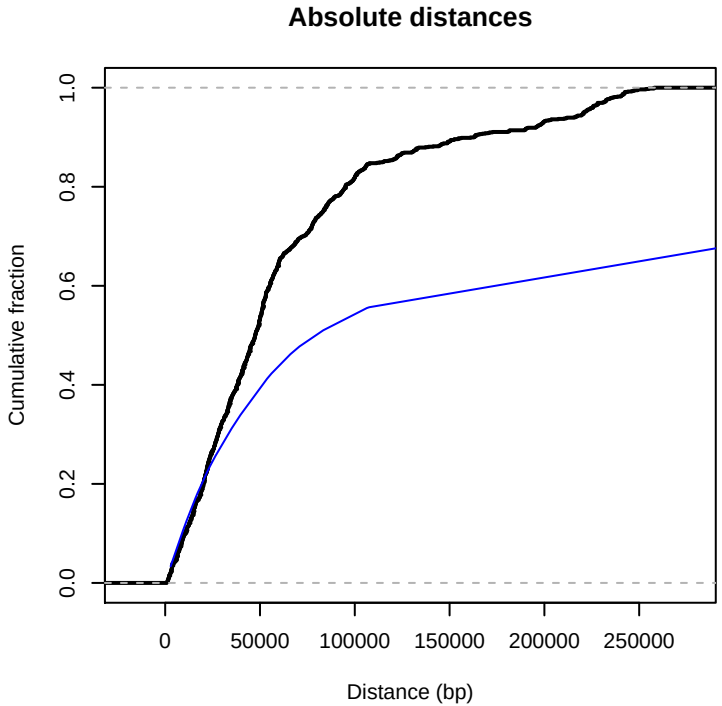
Query population : 1310
Reference population : 30
Relative Ks p−value : 4.09957e−09
Relative ecdf deviation area : 0.0188642
Relative ecdf area correlation : 0.0733688
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0558408
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.516543

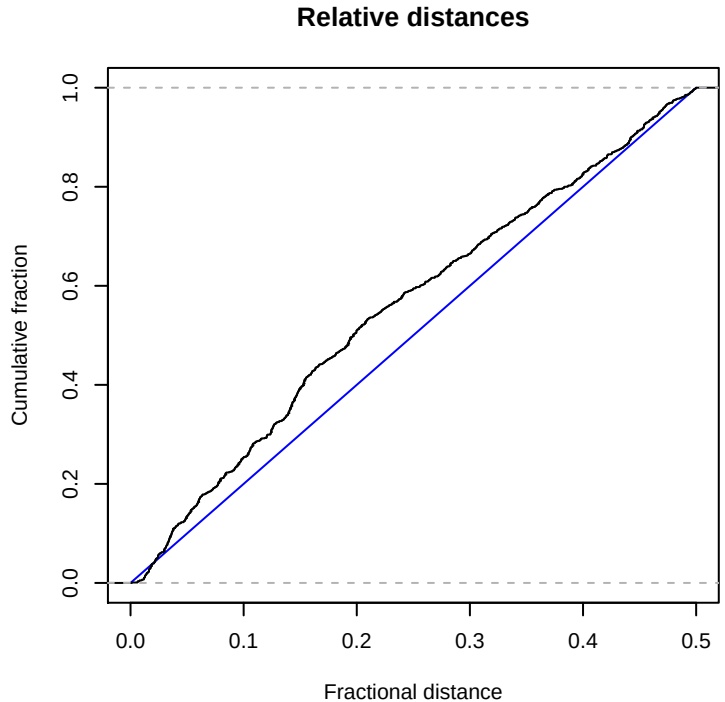




pcontig_008

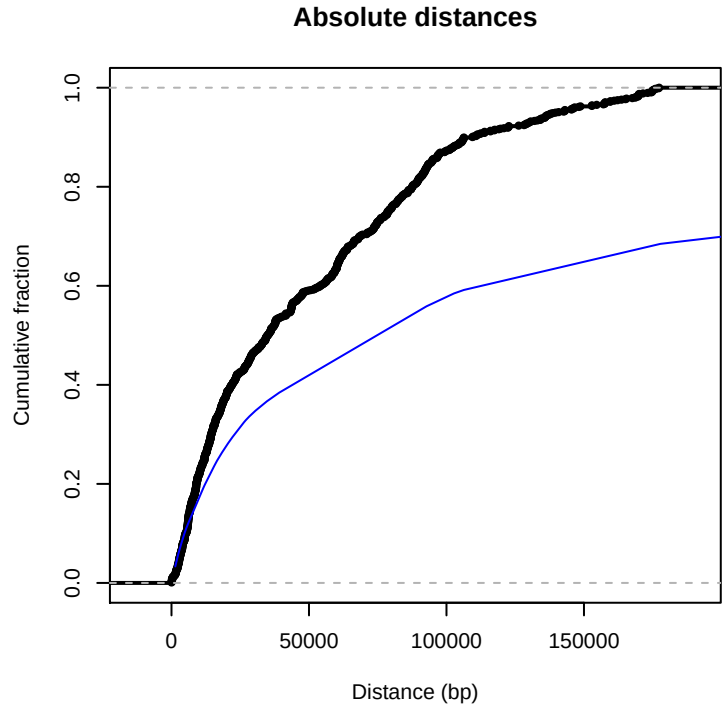
Query population : 1175
Reference population : 18
Relative Ks p−value : 1.18683e−13
Relative ecdf deviation area : 0.0268517
Relative ecdf area correlation : 0.105926
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.08
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000310486
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0954283

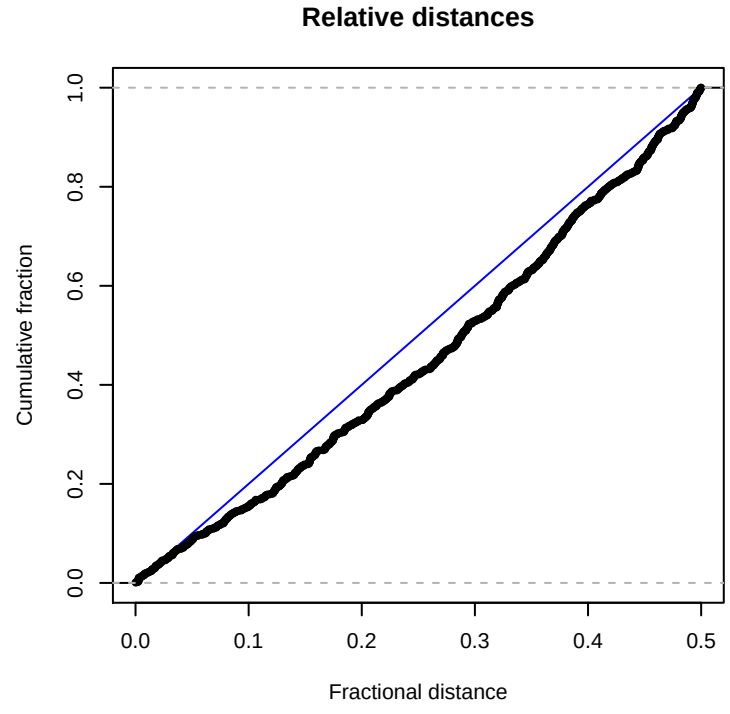




pcontig_009

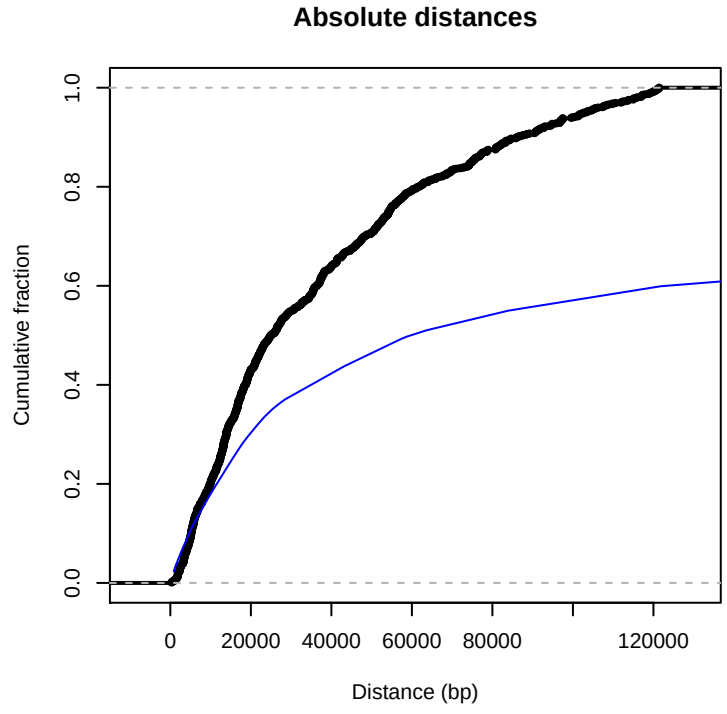
Query population : 954
Reference population : 37
Relative Ks p−value : 4.66607e−07
Relative ecdf deviation area : 0.0247521
Relative ecdf area correlation : −0.09902
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0420794
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.562551

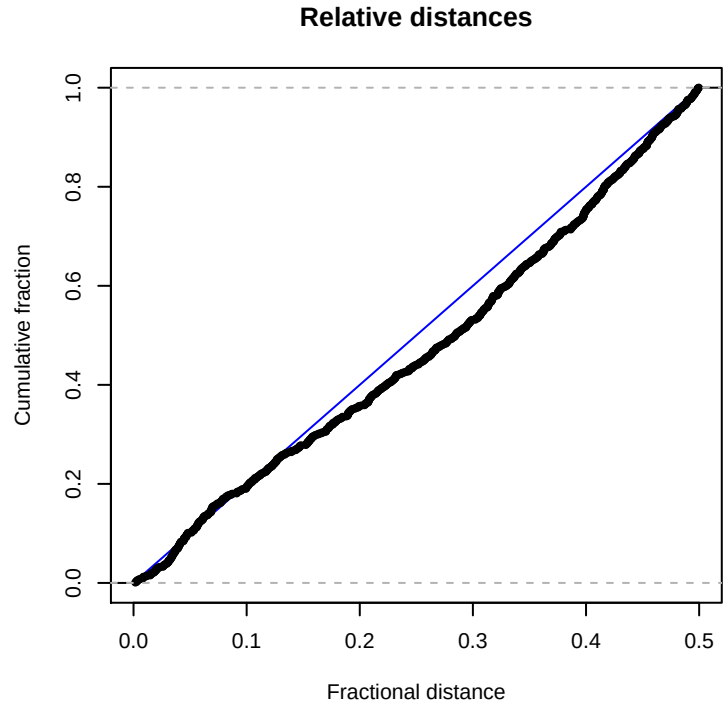




pcontig_010

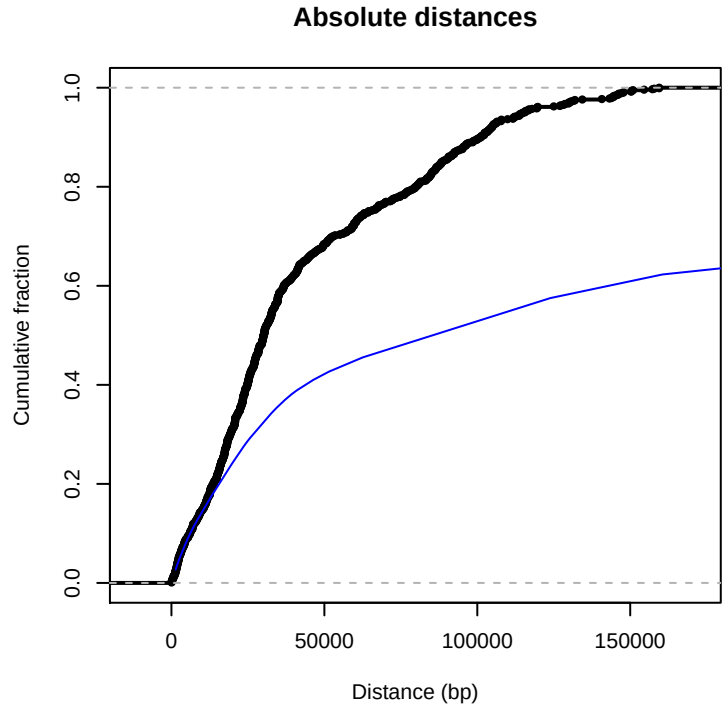
Query population : 972
Reference population : 42
Relative Ks p−value : 3.68962e−05
Relative ecdf deviation area : 0.0166415
Relative ecdf area correlation : −0.0646737
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00493175
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.216075

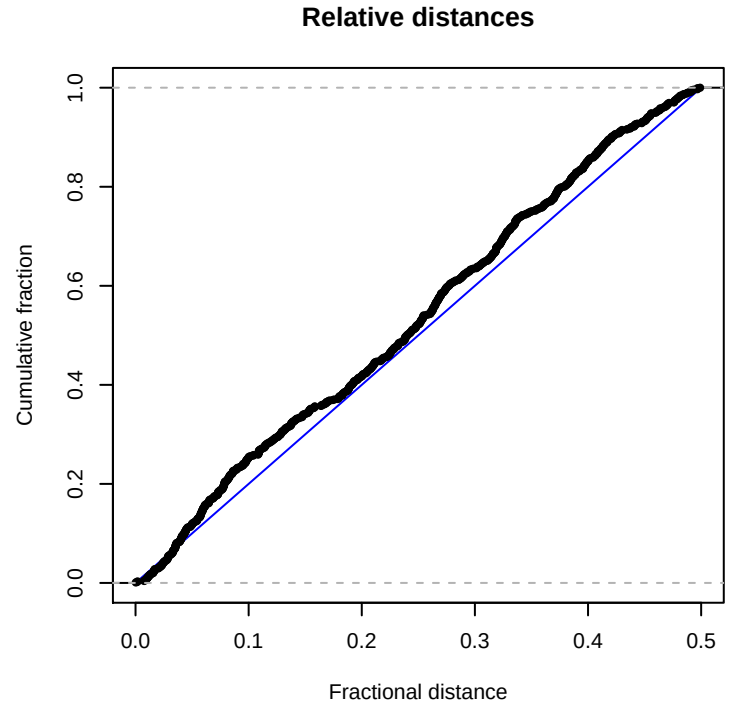




pcontig_011

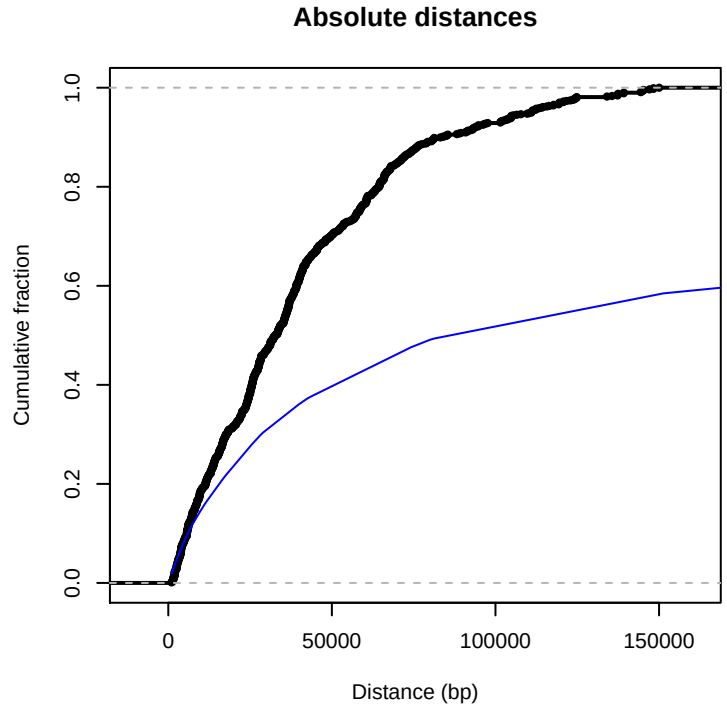
Query population : 1007
Reference population : 30
Relative Ks p−value : 0.0010557
Relative ecdf deviation area : 0.0163432
Relative ecdf area correlation : 0.0633456
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0830449
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.34884

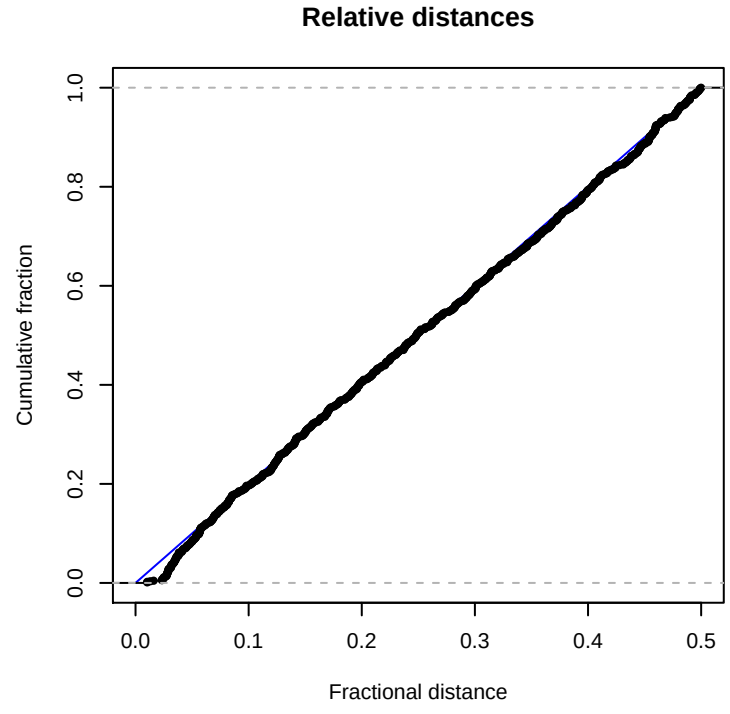




pcontig_012

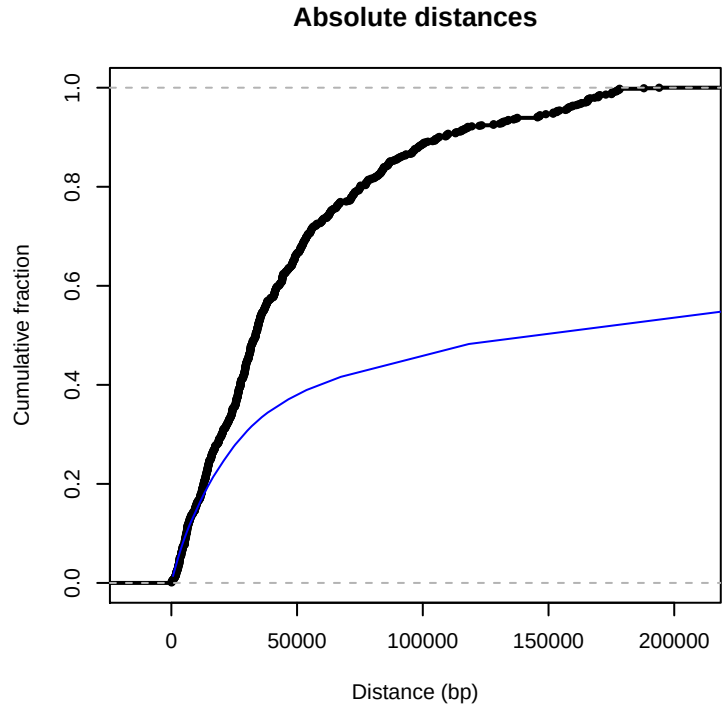
Query population : 897
Reference population : 29
Relative Ks p−value : 0.0819986
Relative ecdf deviation area : 0.00385325
Relative ecdf area correlation : −0.0125886
Relative ecdf deviation area p−value : 0.7
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000606786
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

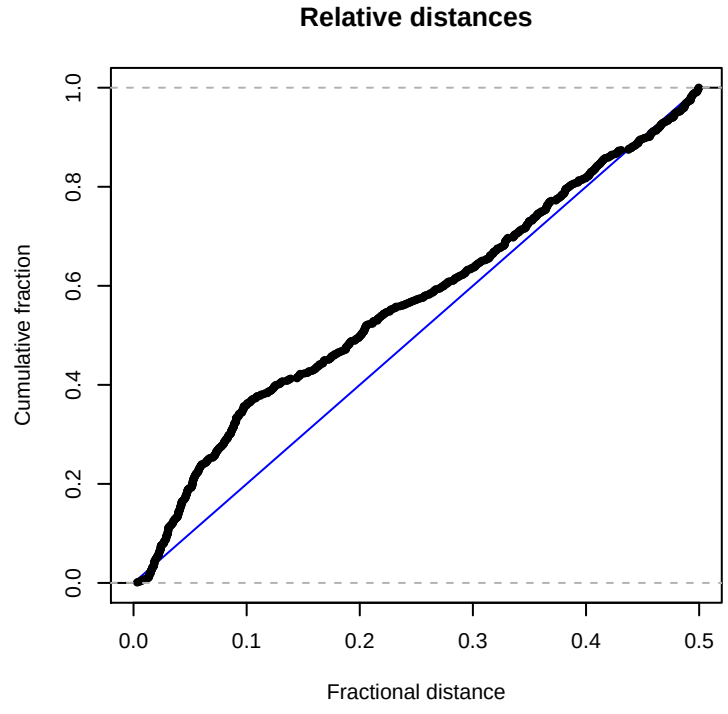




pcontig_013

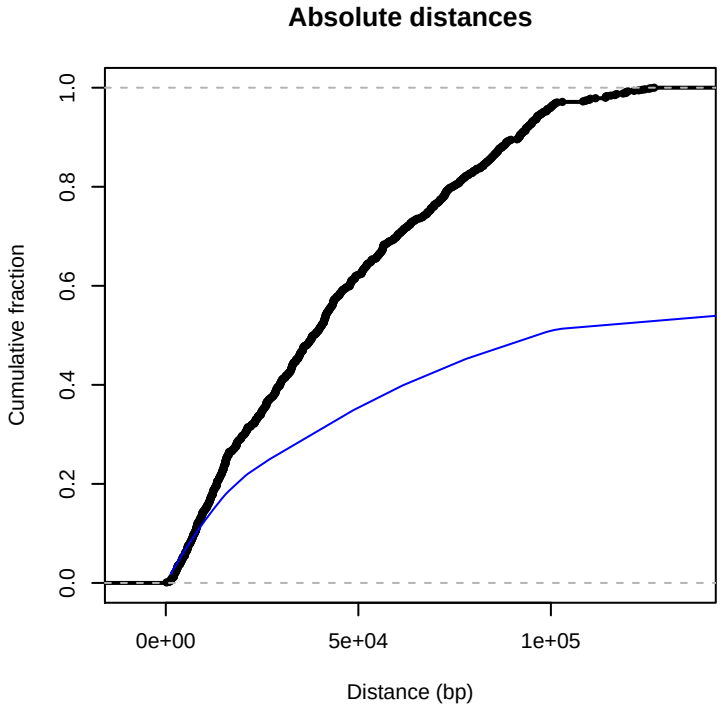
Query population : 936
Reference population : 32
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0317705
Relative ecdf area correlation : 0.1214
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0036883
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.20812

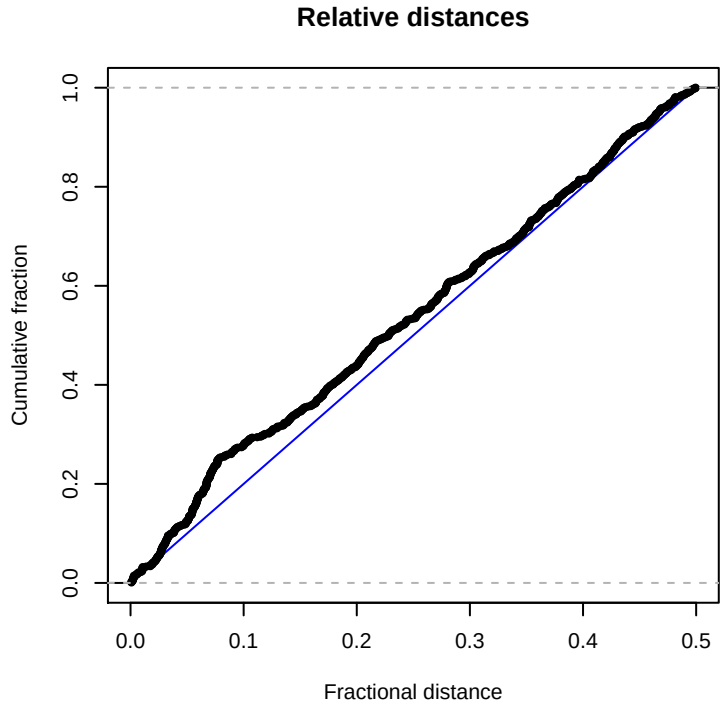




pcontig_014

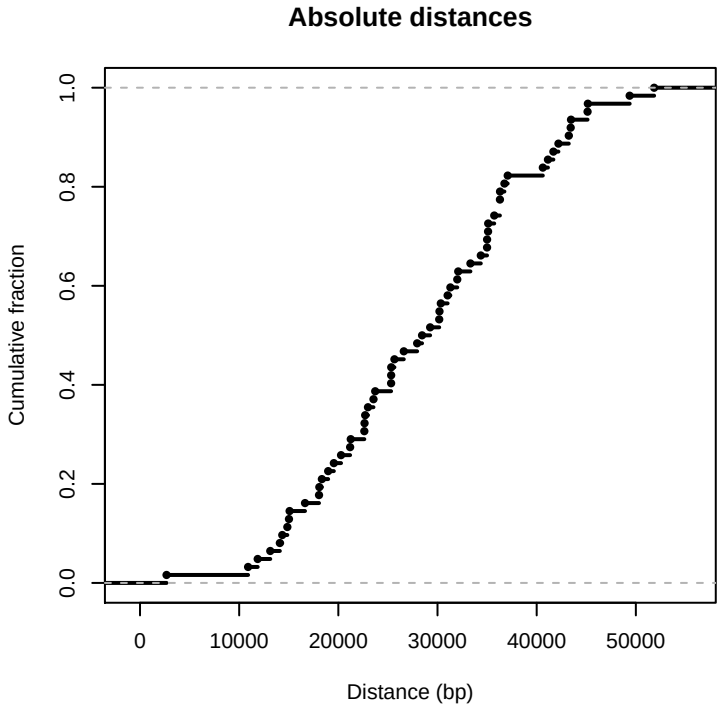
Query population : 941
Reference population : 22
Relative Ks p−value : 8.85847e−08
Relative ecdf deviation area : 0.016538
Relative ecdf area correlation : 0.0660805
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00808187
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.145744

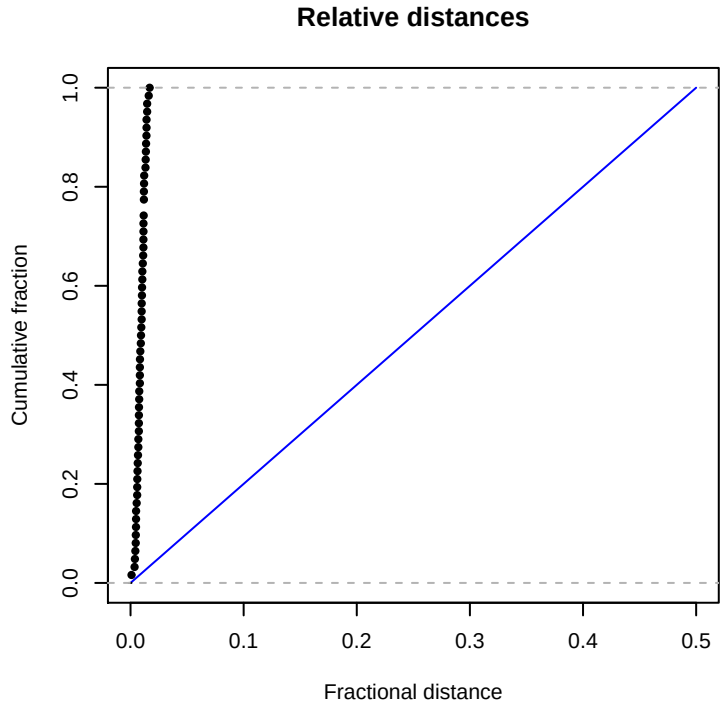




pcontig_015

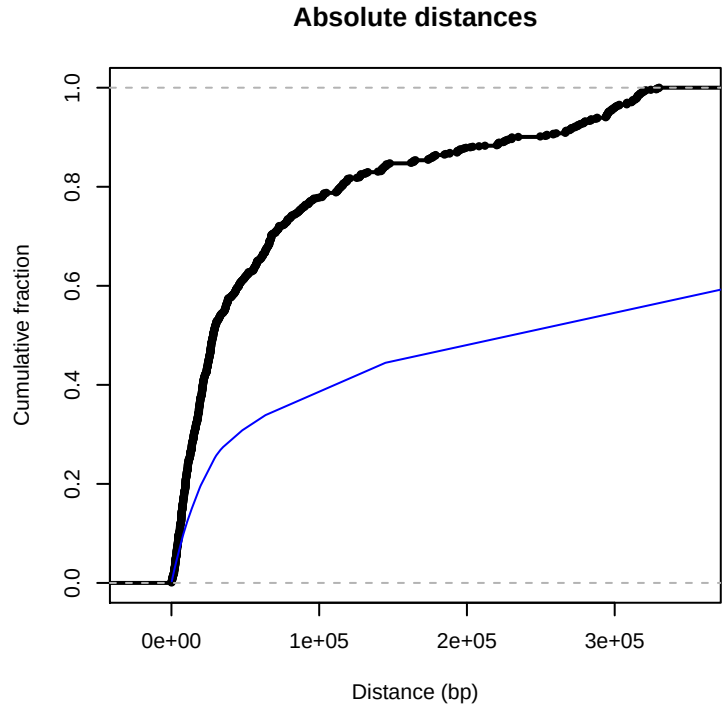
Query population : 62
Reference population : 1
Relative Ks p−value : 7.77156e−16
Relative ecdf deviation area : 0.240743
Relative ecdf area correlation : 0.962897
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.010298
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

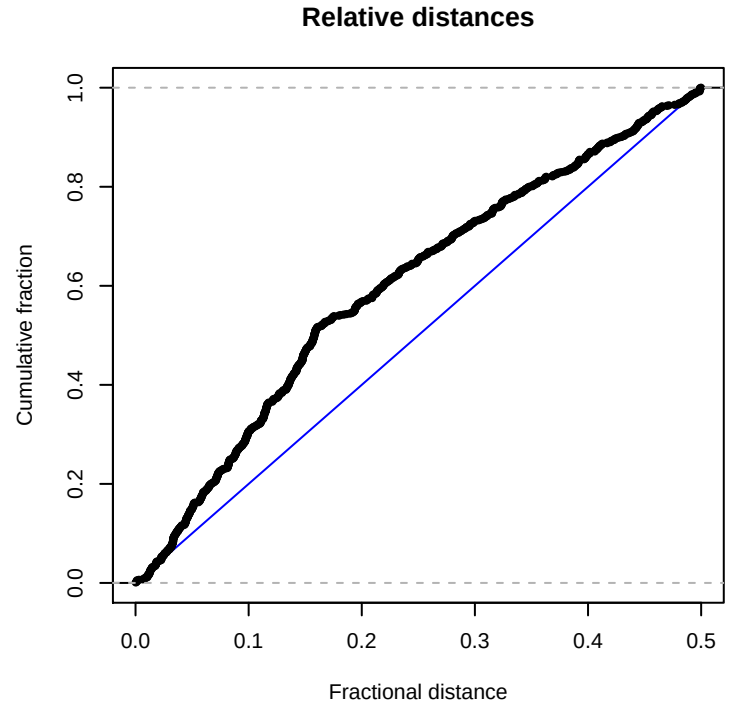




pcontig_016

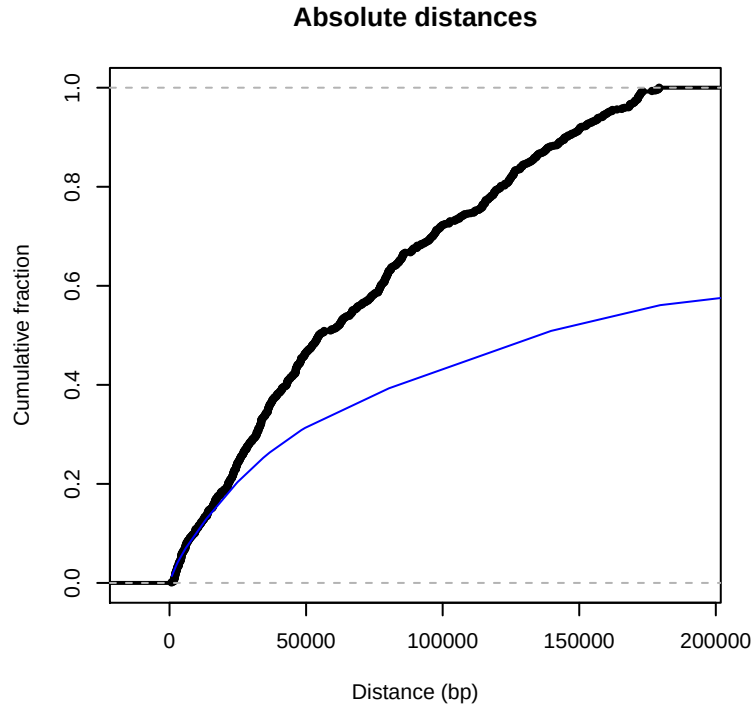
Query population : 956
Reference population : 22
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0474077
Relative ecdf area correlation : 0.189136
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.07
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.231616
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.687576

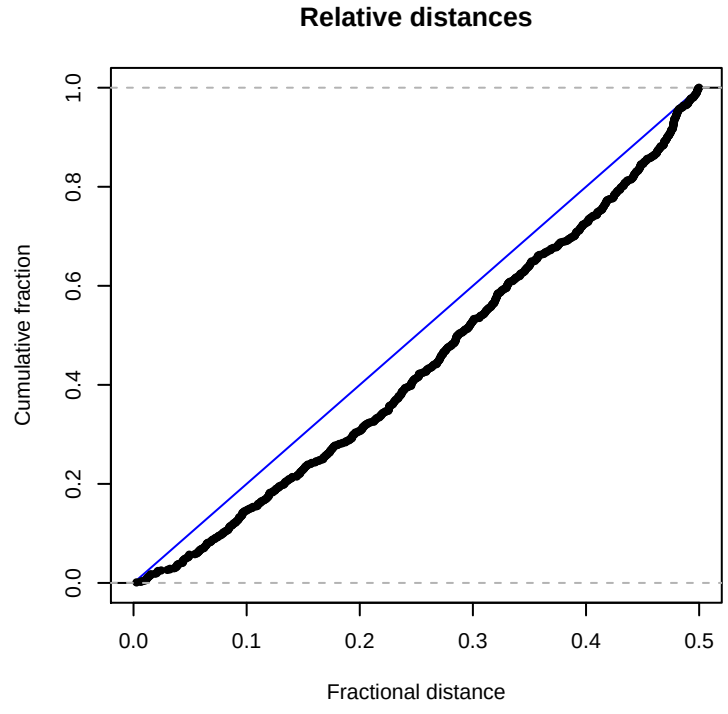




pcontig_017

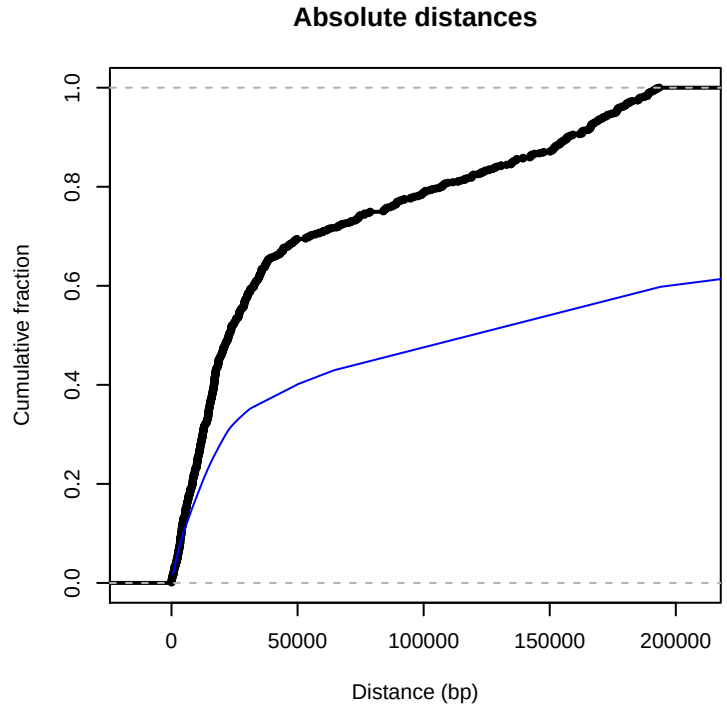
Query population : 912
Reference population : 25
Relative Ks p−value : 5.61295e−09
Relative ecdf deviation area : 0.0321117
Relative ecdf area correlation : −0.128097
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00129514
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

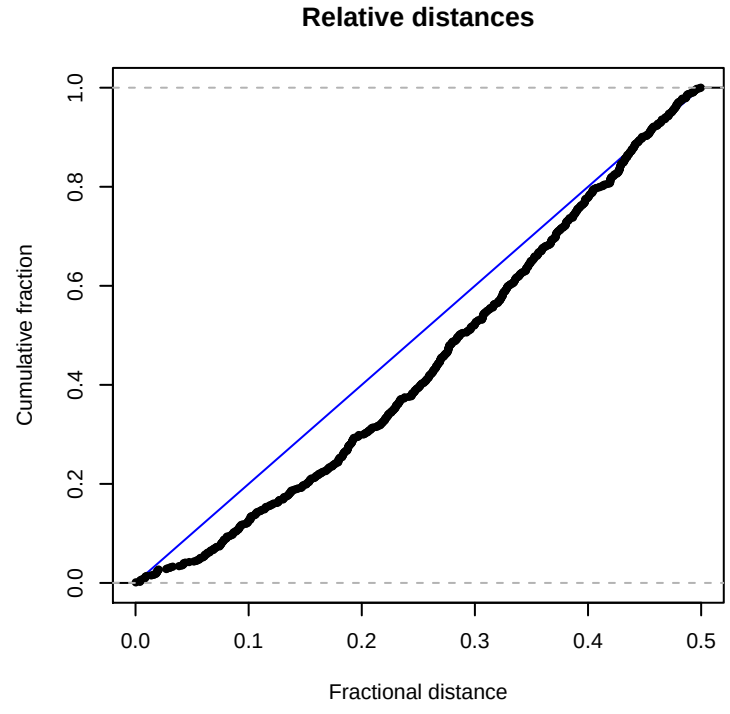




pcontig_018

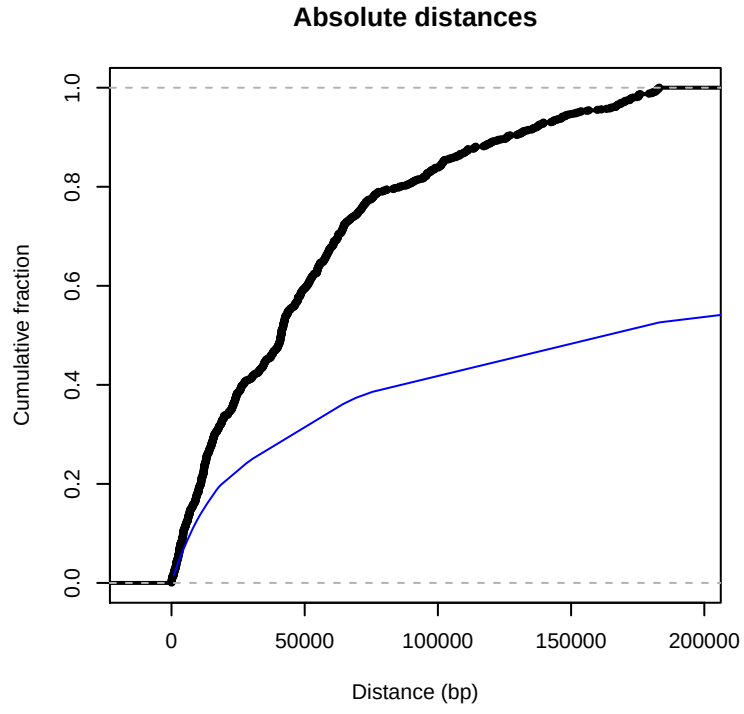
Query population : 854
Reference population : 41
Relative Ks p−value : 2.20765e−10
Relative ecdf deviation area : 0.0304458
Relative ecdf area correlation : −0.119561
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.115118
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.32461

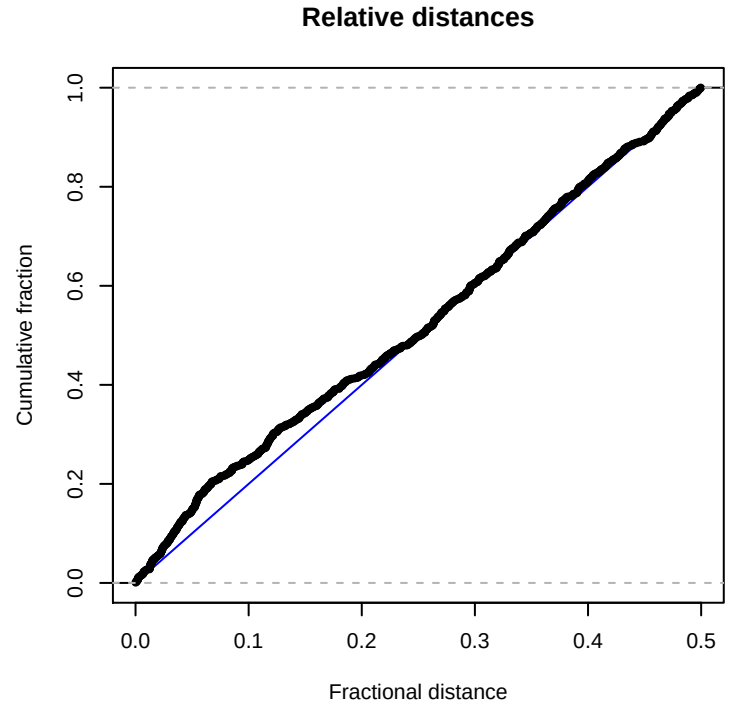




pcontig_019

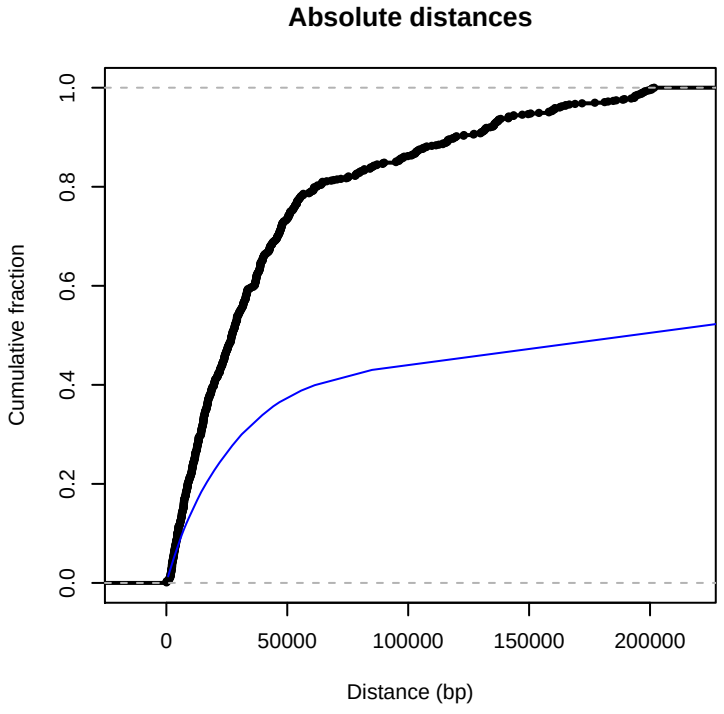
Query population : 1007
Reference population : 27
Relative Ks p−value : 0.00012632
Relative ecdf deviation area : 0.00970508
Relative ecdf area correlation : 0.0395096
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.05
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.193496
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.22591

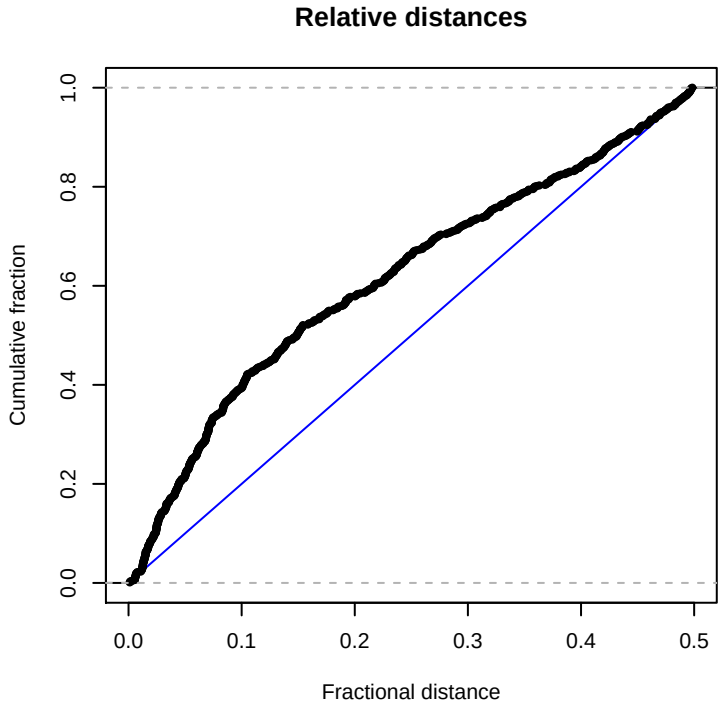




pcontig_020

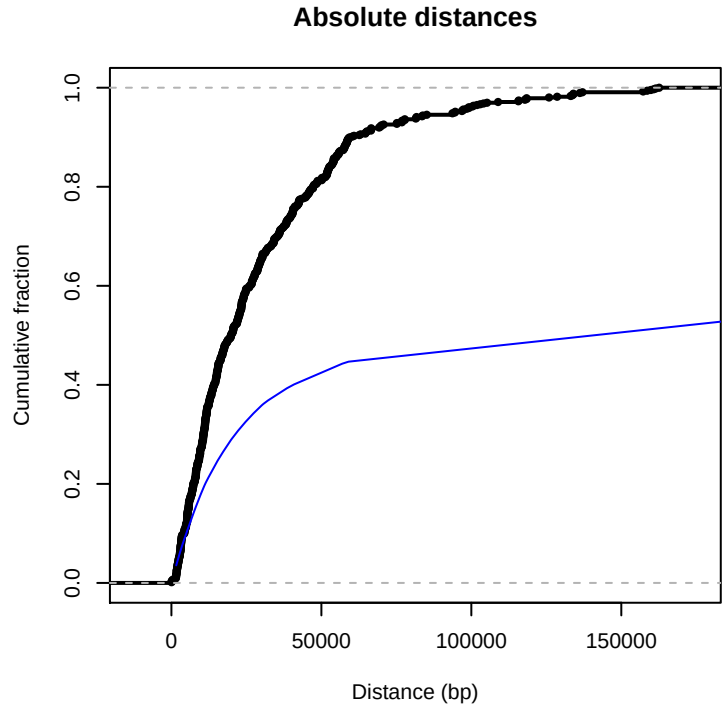
Query population : 826
Reference population : 27
Relative Ks p−value : 0
Relative ecdf deviation area : 0.056824
Relative ecdf area correlation : 0.227177
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0149791
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.317404

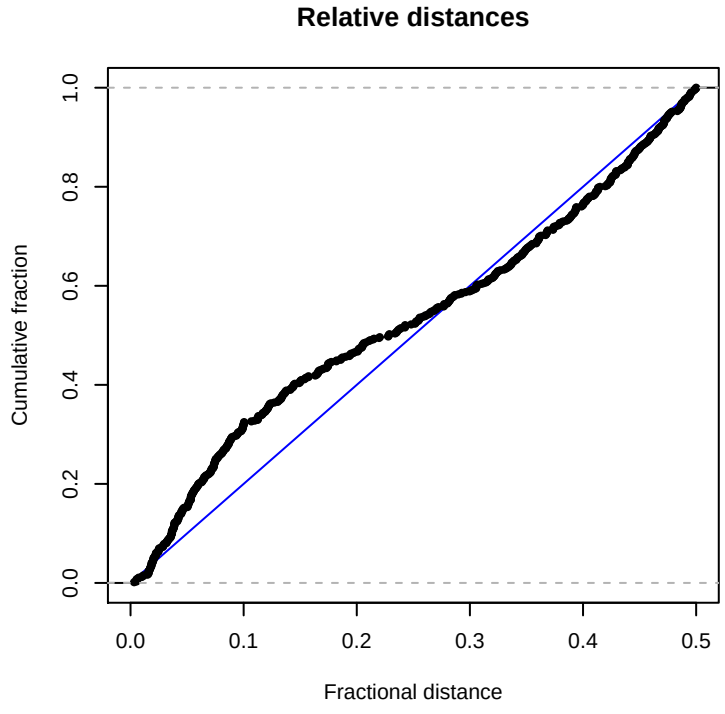




pcontig_021

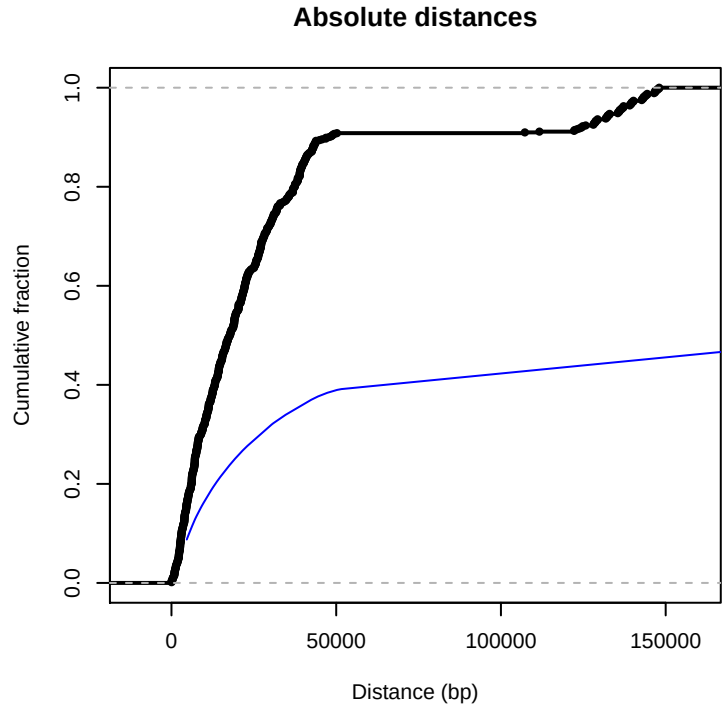
Query population : 659
Reference population : 34
Relative Ks p−value : 3.18969e−09
Relative ecdf deviation area : 0.0234083
Relative ecdf area correlation : 0.0519795
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.04
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0757672
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.422725

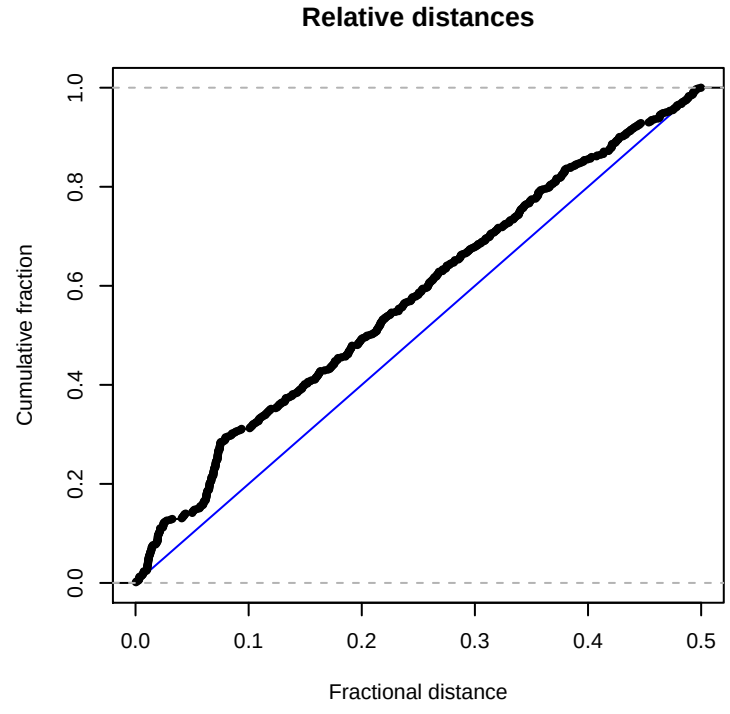




pcontig_022

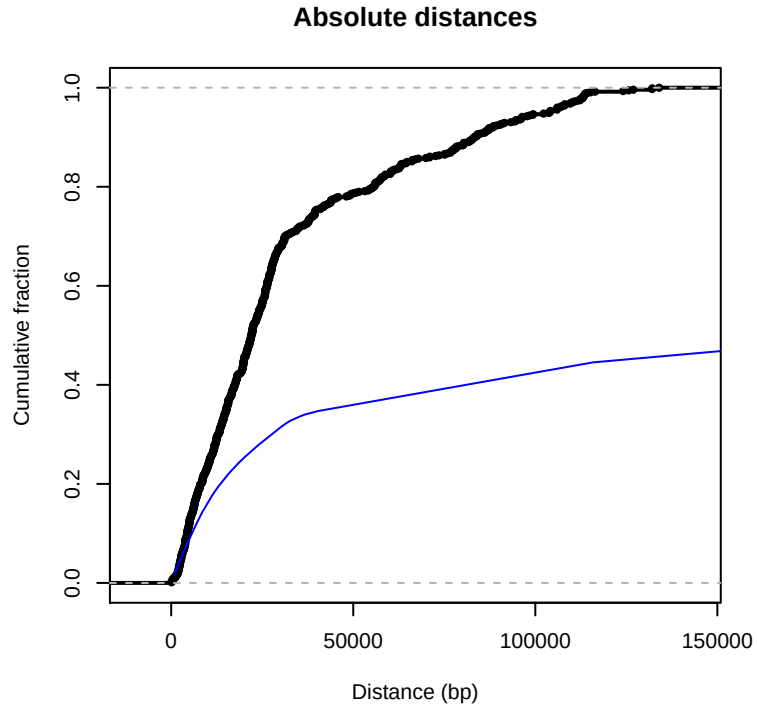
Query population : 643
Reference population : 29
Relative Ks p−value : 1.40729e−10
Relative ecdf deviation area : 0.0347827
Relative ecdf area correlation : 0.139293
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.62705e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.01977

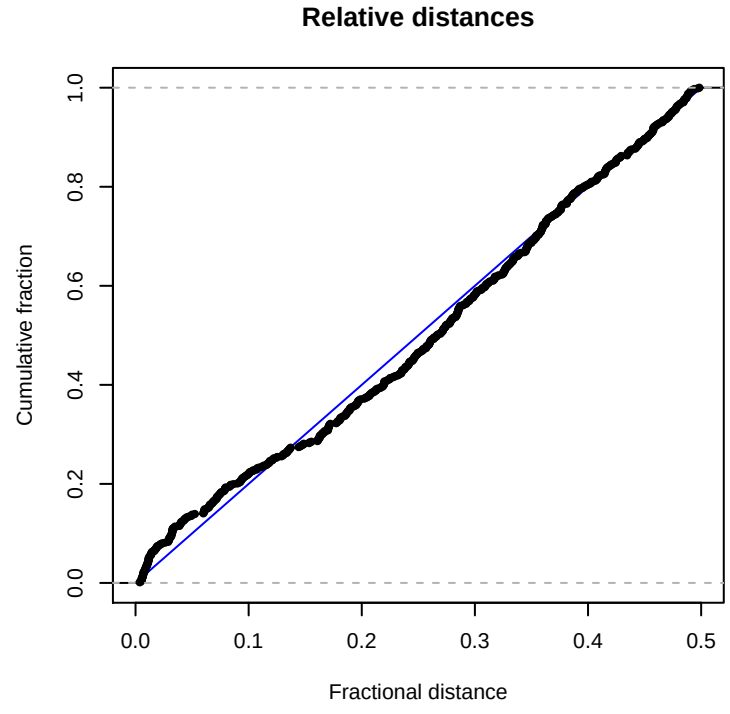




pcontig_023

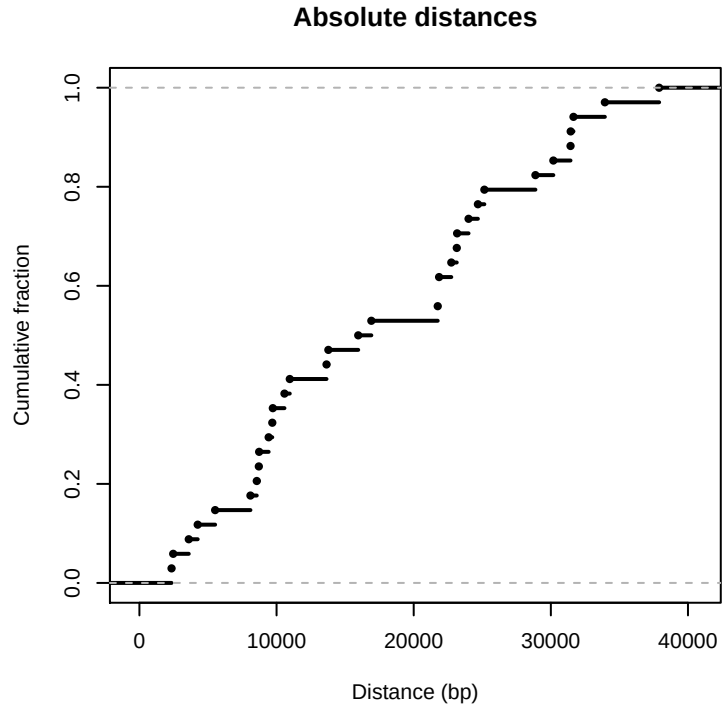
Query population : 747
Reference population : 30
Relative Ks p−value : 0.063716
Relative ecdf deviation area : 0.00960821
Relative ecdf area correlation : −0.0113098
Relative ecdf deviation area p−value : 0.15
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.298915
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.739949

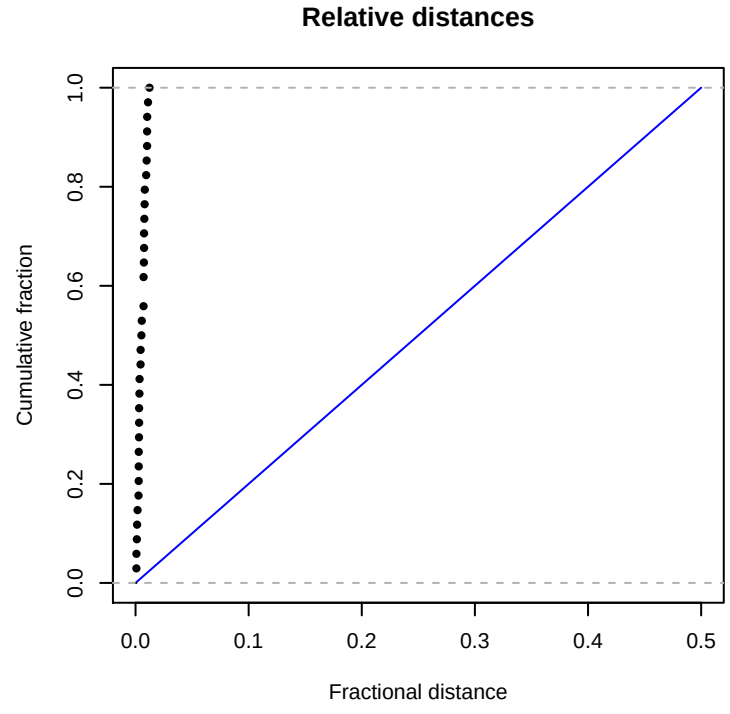




pcontig_024

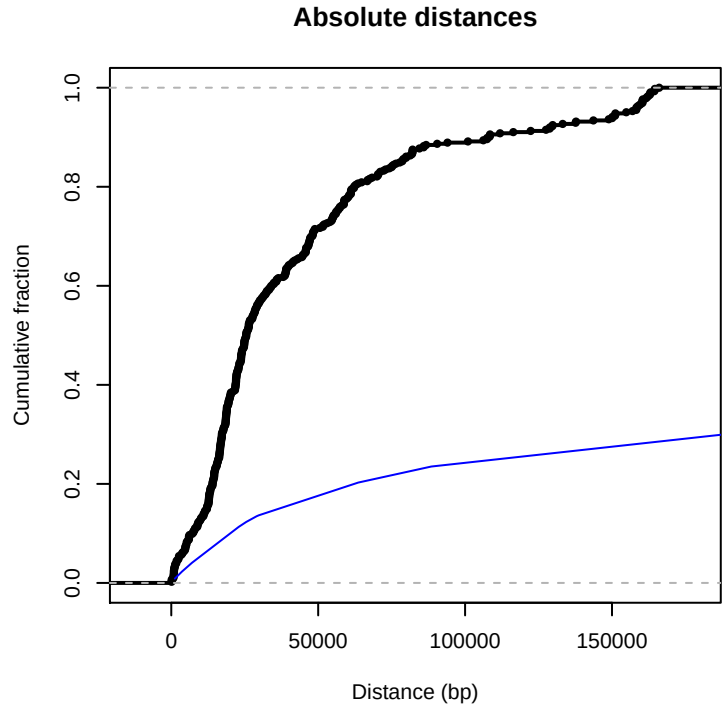
Query population : 34
Reference population : 1
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.243966
Relative ecdf area correlation : 0.977154
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0143603
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

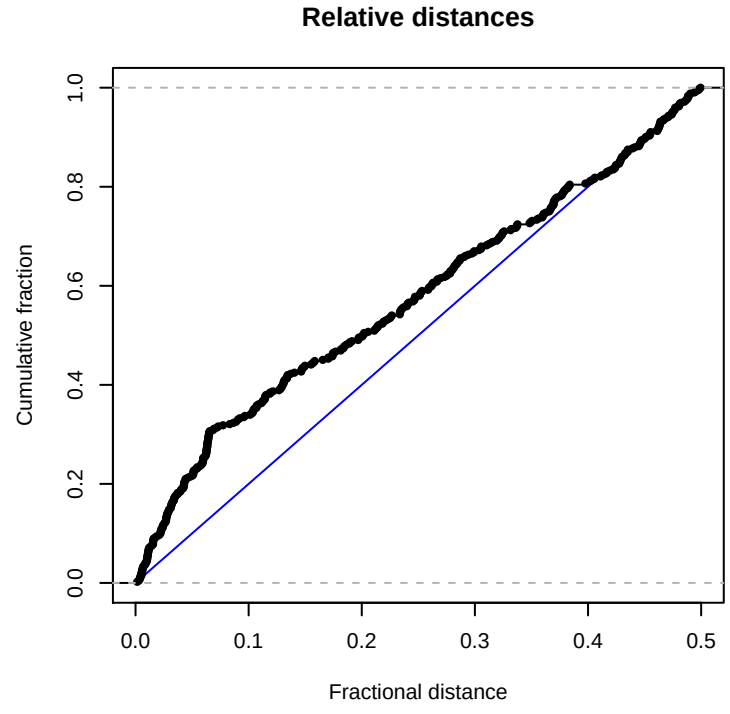




pcontig_025

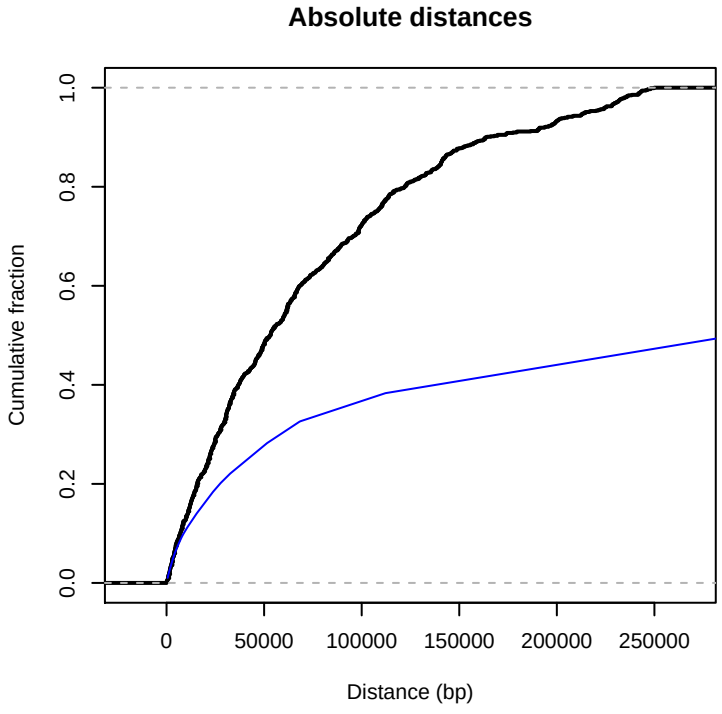
Query population : 424
Reference population : 11
Relative Ks p−value : 9.88354e−12
Relative ecdf deviation area : 0.0355804
Relative ecdf area correlation : 0.140297
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0301985
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.58618

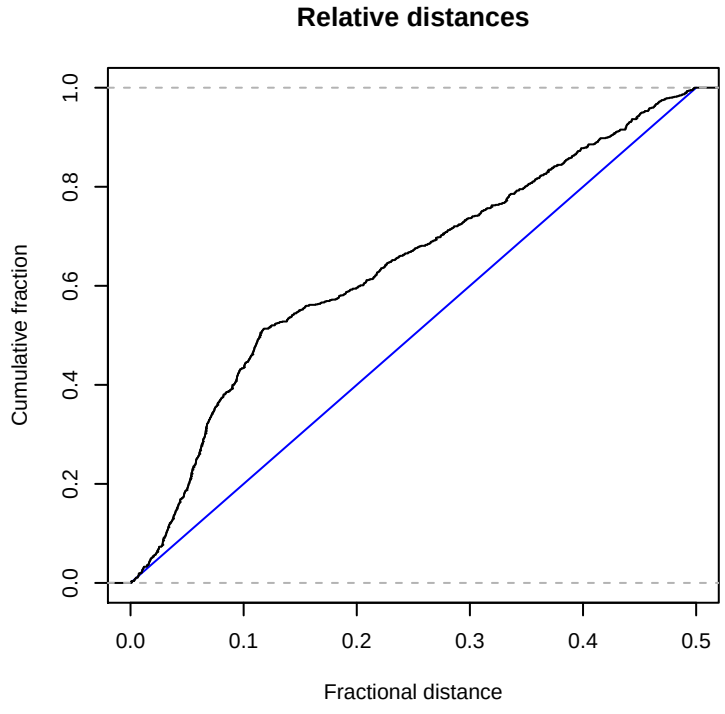




pcontig_026

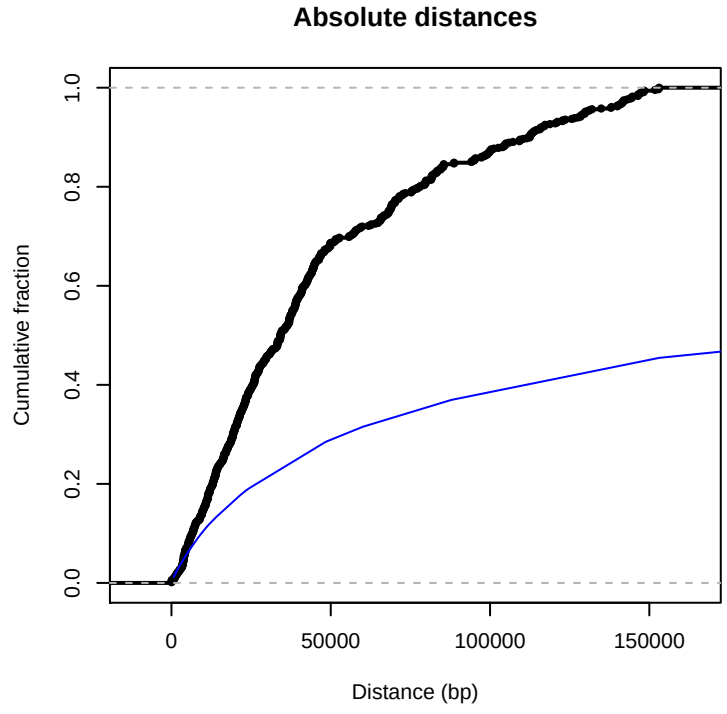
Query population : 1040
Reference population : 27
Relative Ks p−value : 0
Relative ecdf deviation area : 0.066062
Relative ecdf area correlation : 0.264794
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.35
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0666473
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.500625

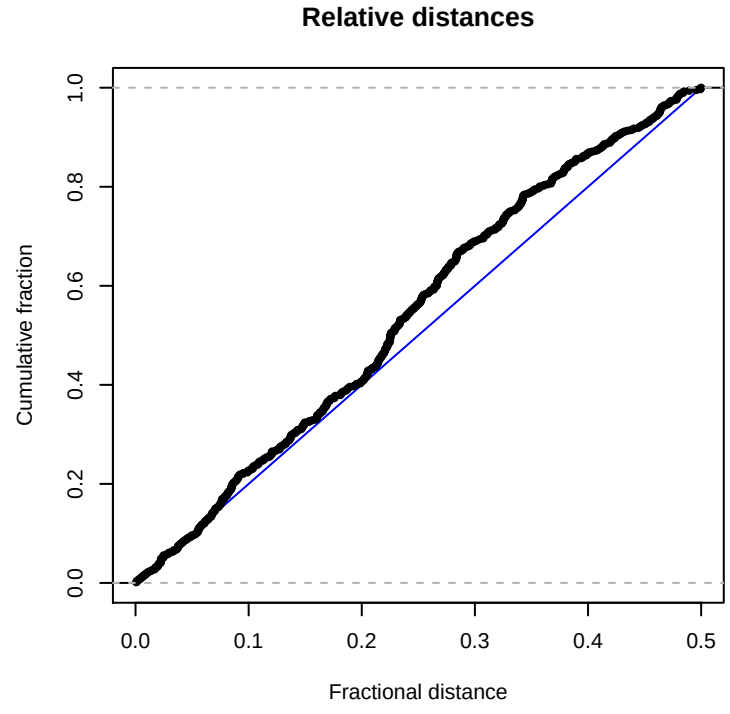




pcontig_027

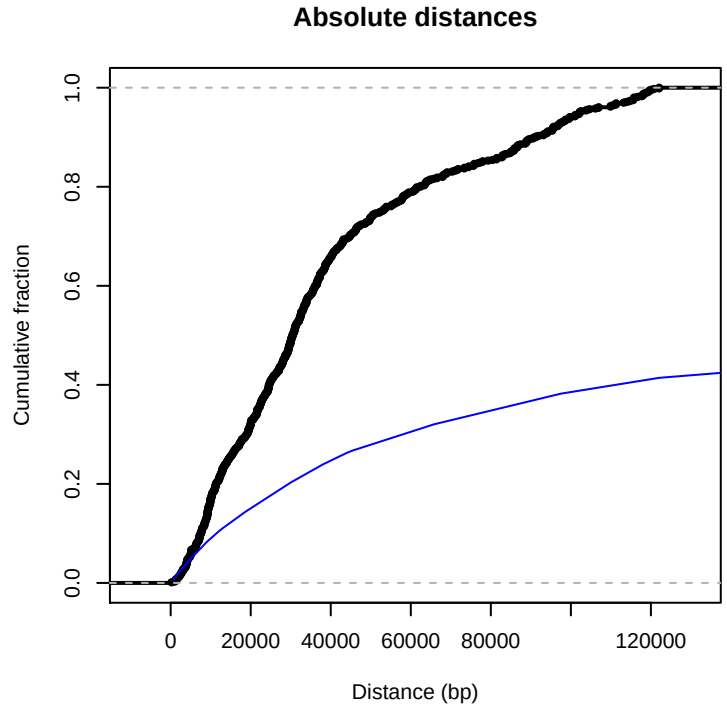
Query population : 667
Reference population : 25
Relative Ks p−value : 5.99459e−06
Relative ecdf deviation area : 0.0199672
Relative ecdf area correlation : 0.0787059
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.34614
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.04505

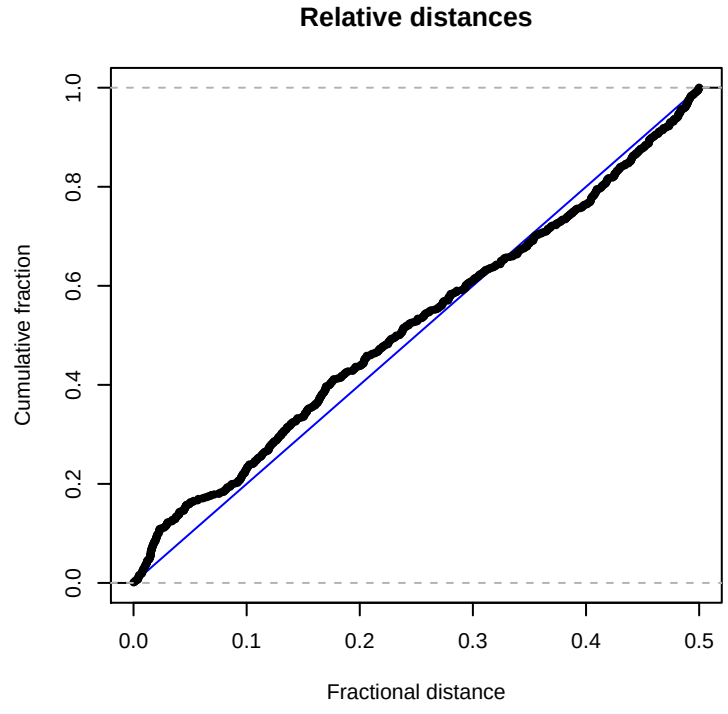




pcontig_028

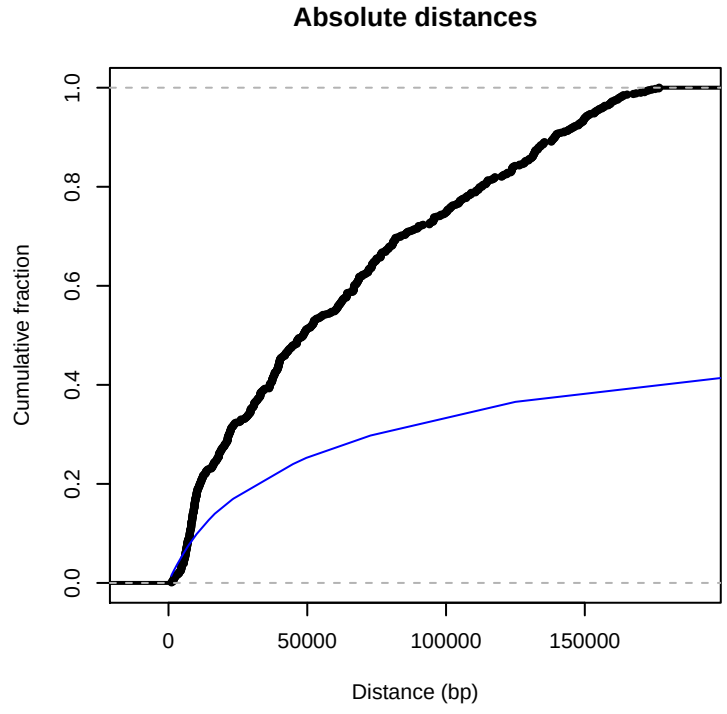
Query population : 761
Reference population : 17
Relative Ks p−value : 0.00393117
Relative ecdf deviation area : 0.0140315
Relative ecdf area correlation : 0.0284546
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0206855
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.173124

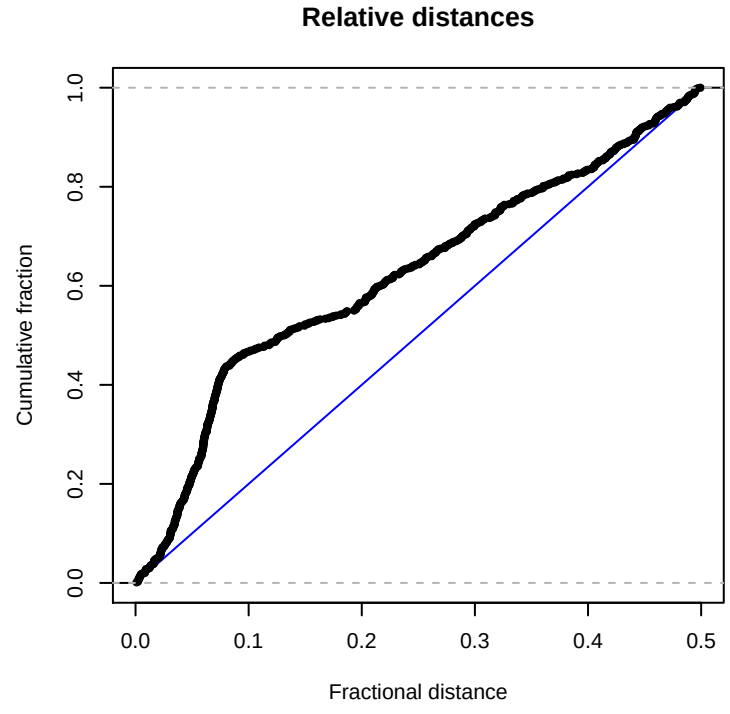




pcontig_029

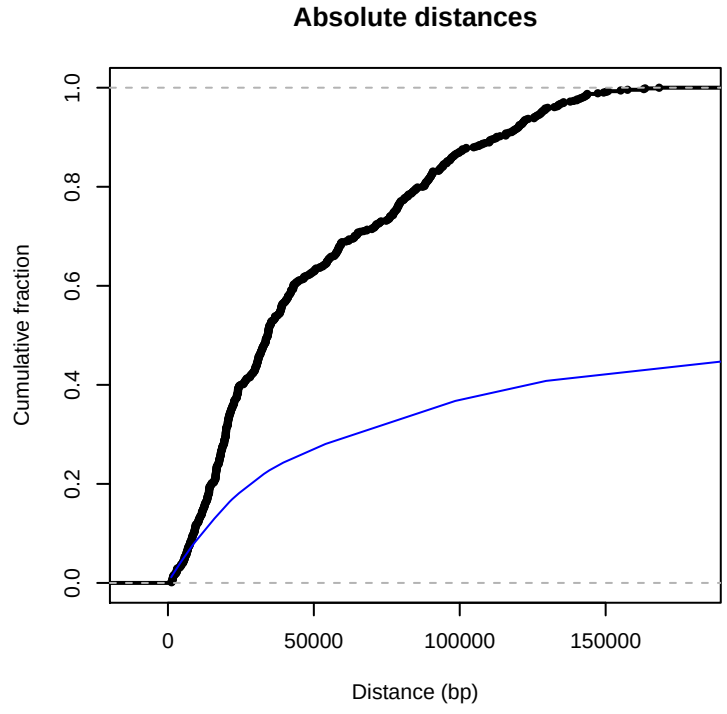
Query population : 791
Reference population : 22
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0595049
Relative ecdf area correlation : 0.237613
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00351469
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

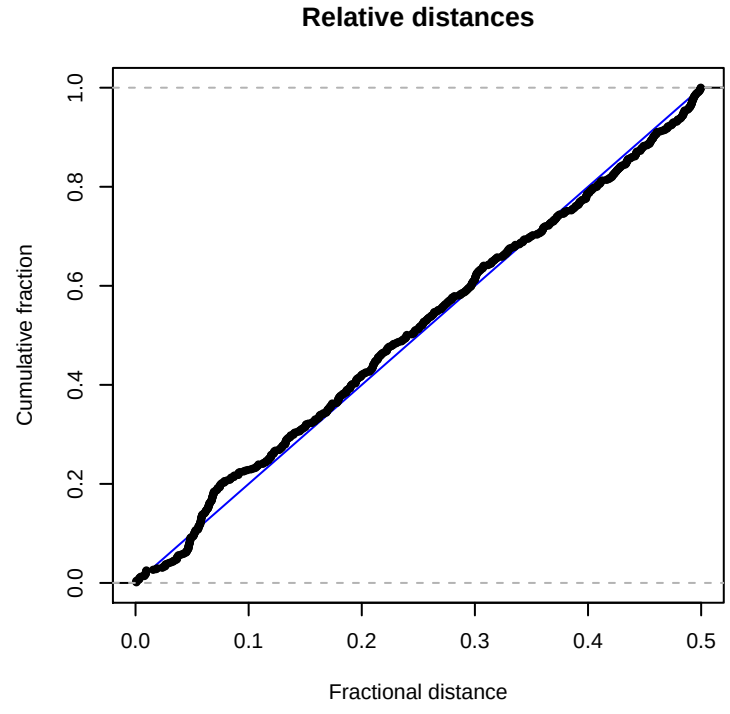




pcontig_030

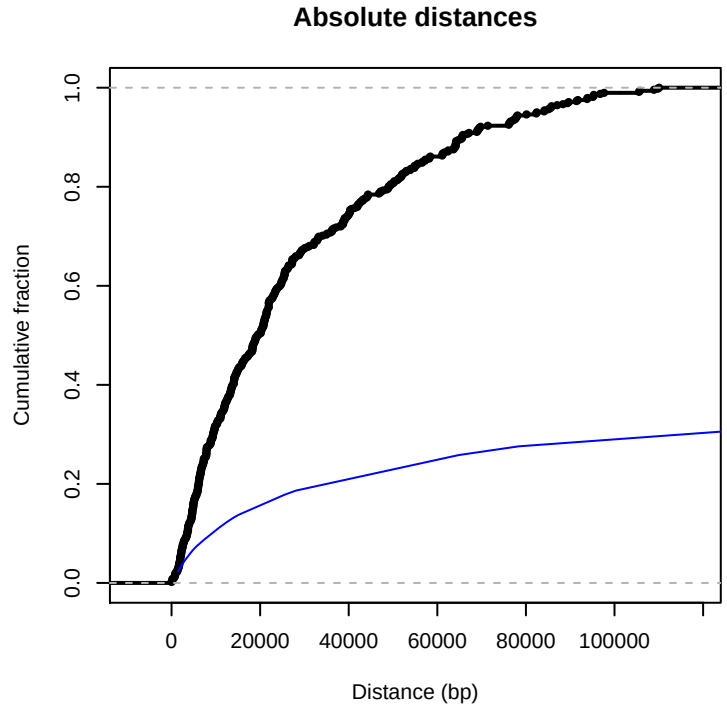
Query population : 715
Reference population : 16
Relative Ks p−value : 0.0678086
Relative ecdf deviation area : 0.0081831
Relative ecdf area correlation : 0.00906954
Relative ecdf deviation area p−value : 0.24
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0535917
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

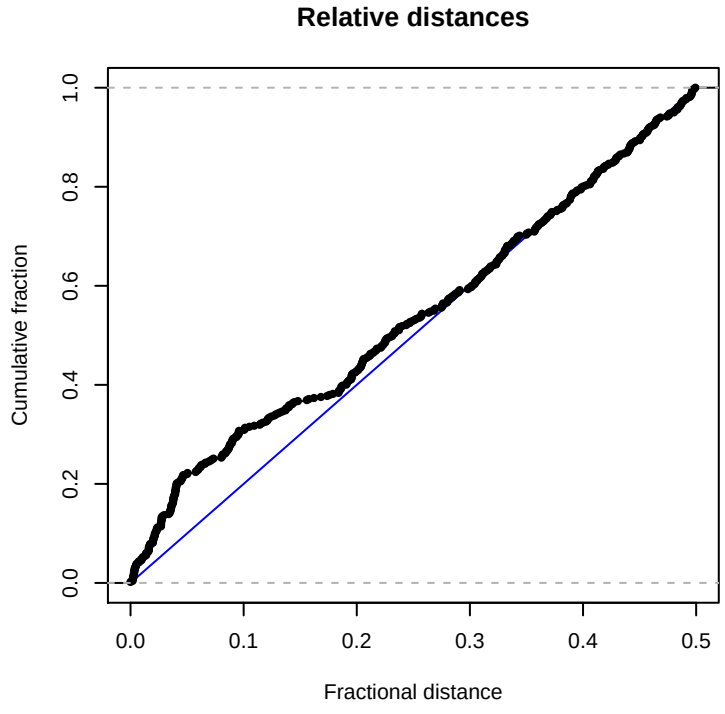




pcontig_031

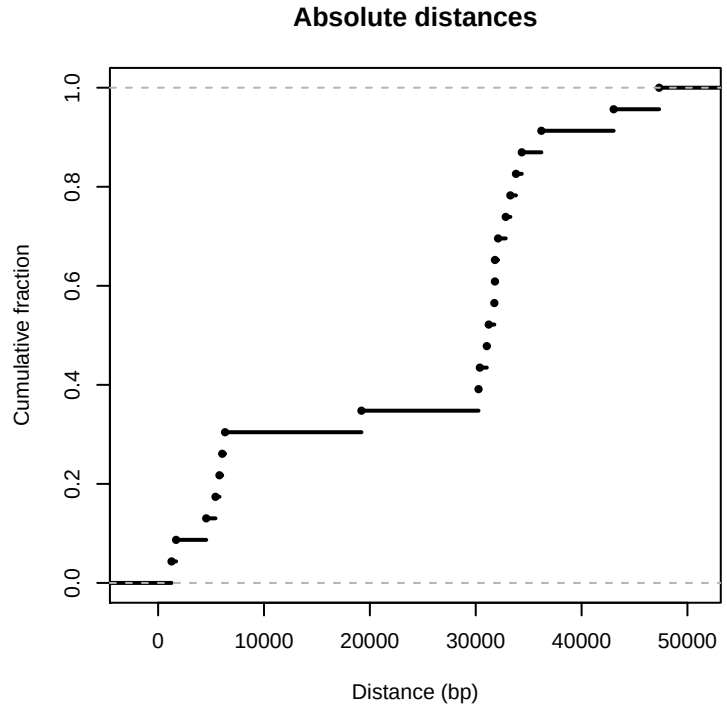
Query population : 482
Reference population : 25
Relative Ks p−value : 6.49104e−07
Relative ecdf deviation area : 0.0177473
Relative ecdf area correlation : 0.0662514
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.22
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.246813
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.19275

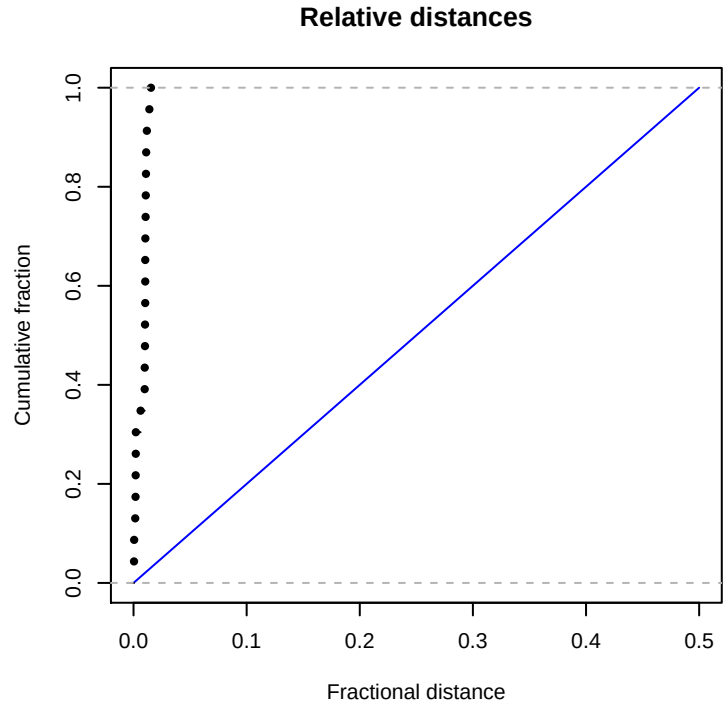




pcontig_032

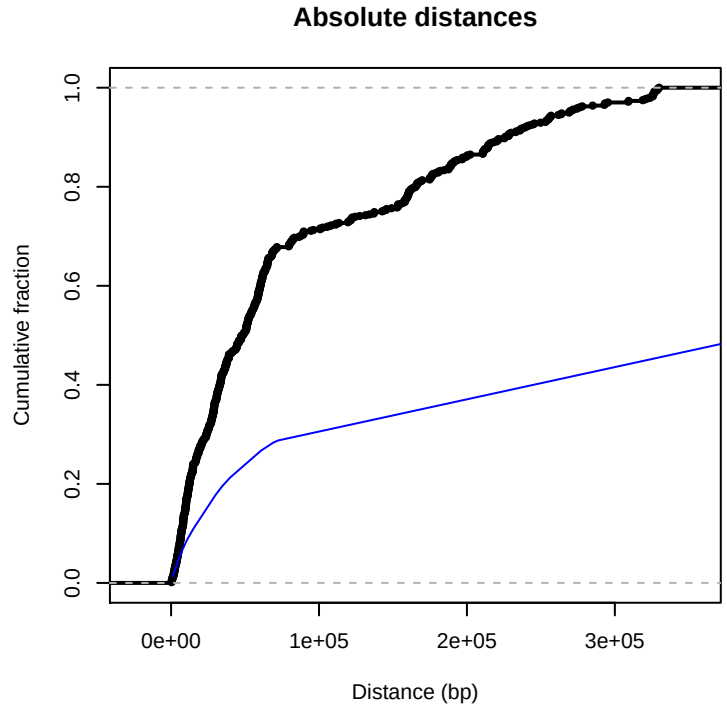
Query population : 23
Reference population : 1
Relative Ks p−value : 4.44089e−16
Relative ecdf deviation area : 0.242292
Relative ecdf area correlation : 0.968218
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00571026
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

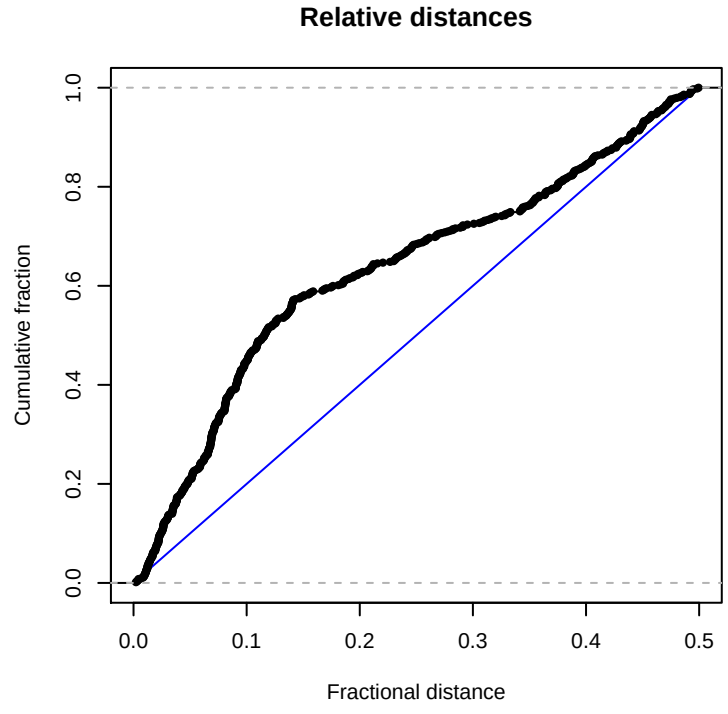




pcontig_033

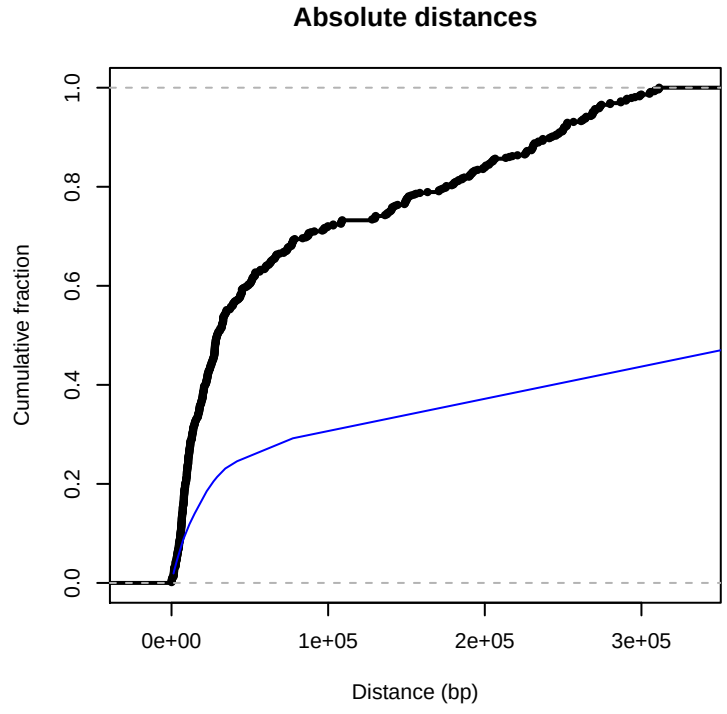
Query population : 637
Reference population : 16
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0646092
Relative ecdf area correlation : 0.258566
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.3
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.21638
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.346675

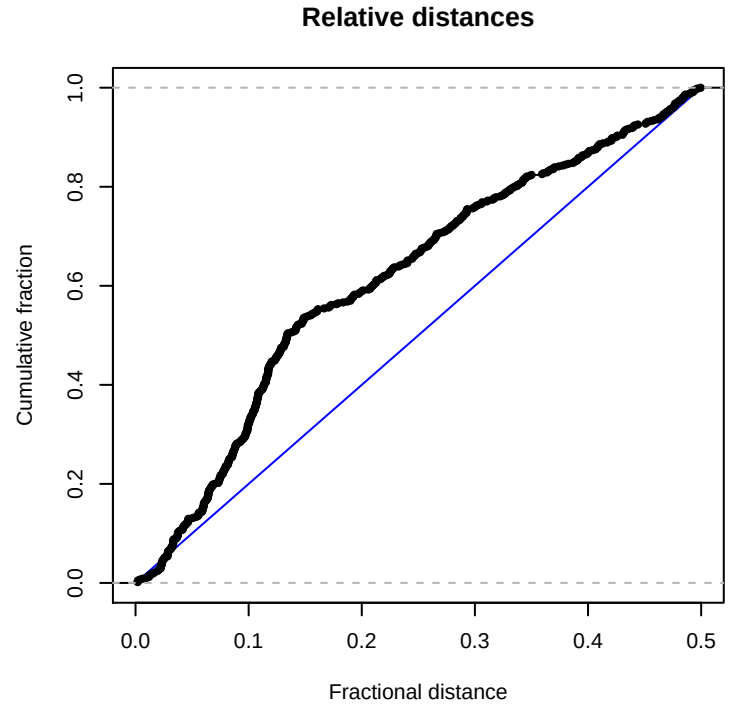




pcontig_034

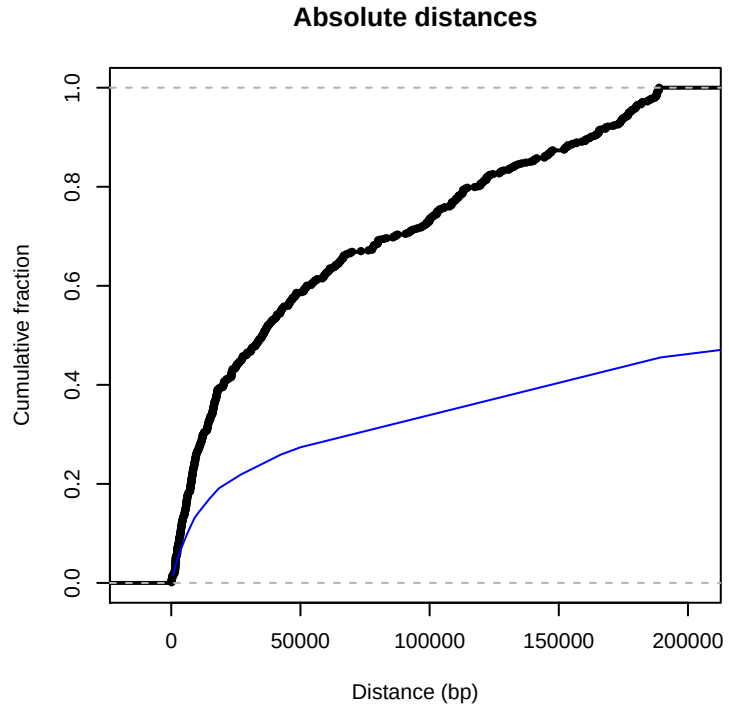
Query population : 579
Reference population : 23
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0558062
Relative ecdf area correlation : 0.221462
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.34
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.166532
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.35852

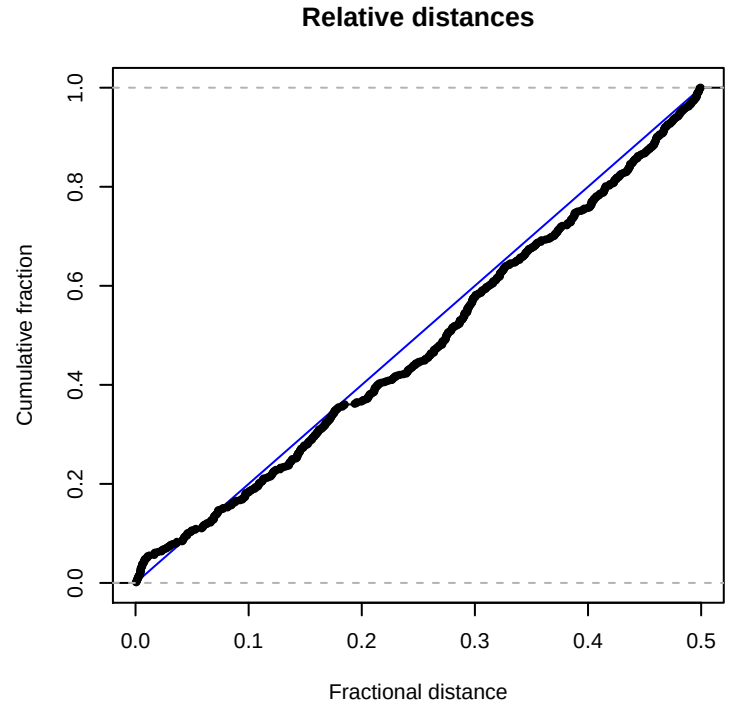




pcontig_035

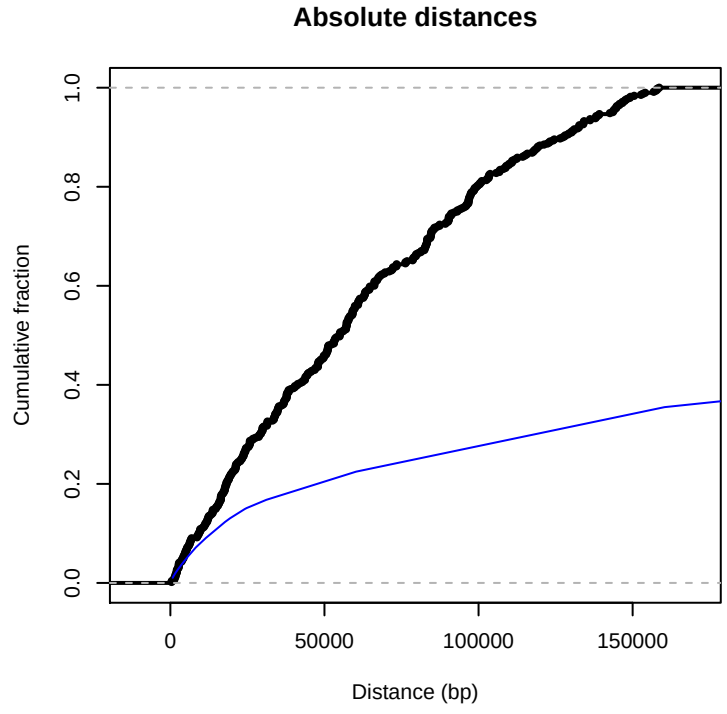
Query population : 688
Reference population : 35
Relative Ks p−value : 0.00705636
Relative ecdf deviation area : 0.0132161
Relative ecdf area correlation : −0.0478204
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.42
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.307772
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.09766

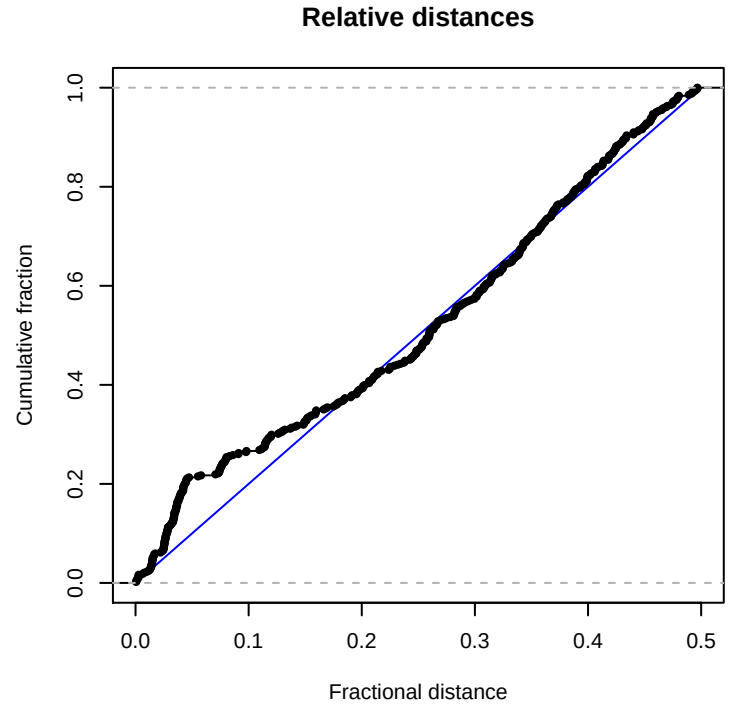




pcontig_036

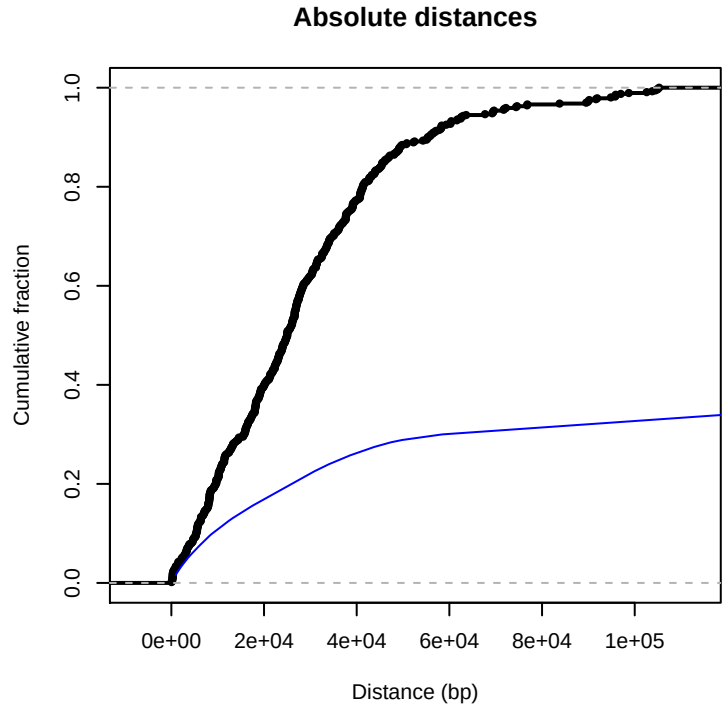
Query population : 488
Reference population : 21
Relative Ks p−value : 1.79319e−06
Relative ecdf deviation area : 0.0148017
Relative ecdf area correlation : 0.0371941
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.09
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0513273
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

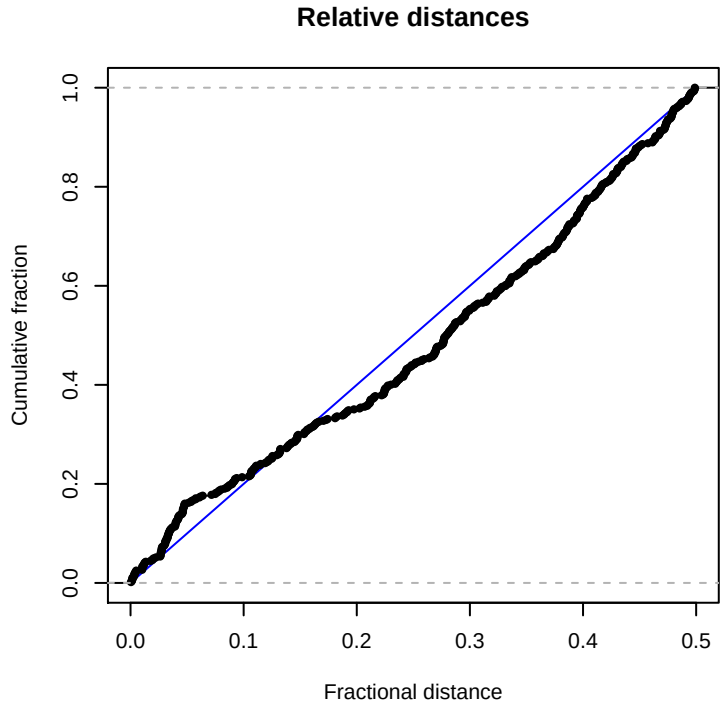




pcontig_037

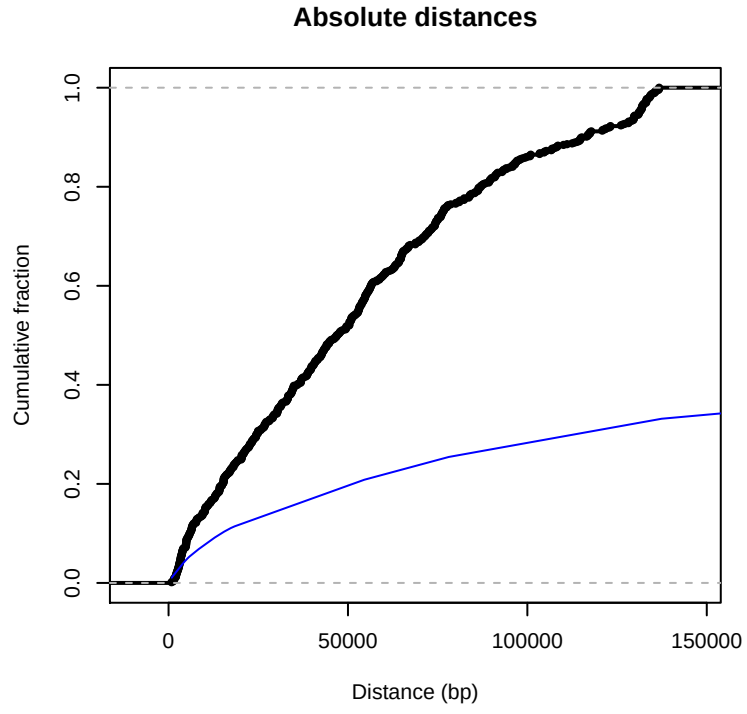
Query population : 562
Reference population : 26
Relative Ks p−value : 0.00196125
Relative ecdf deviation area : 0.0189421
Relative ecdf area correlation : −0.0507161
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0420181
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.70713

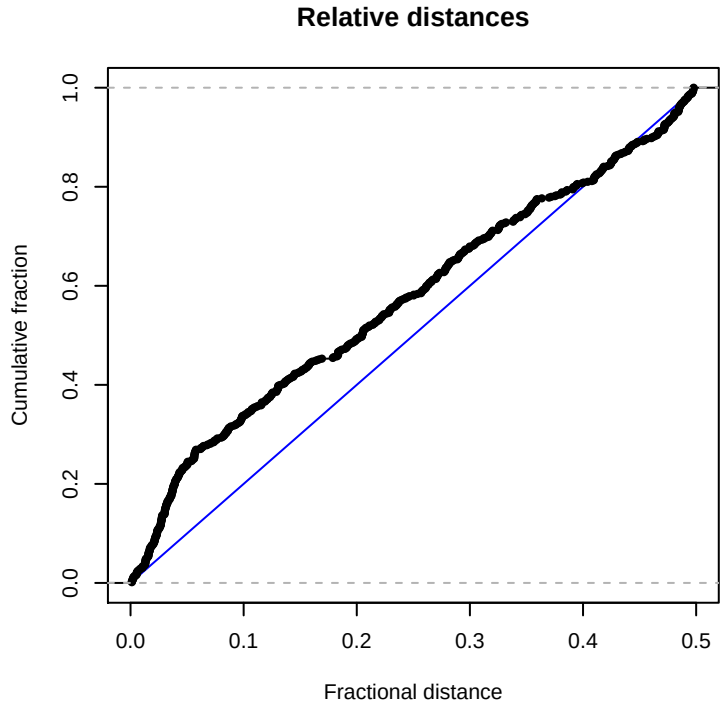




pcontig_039

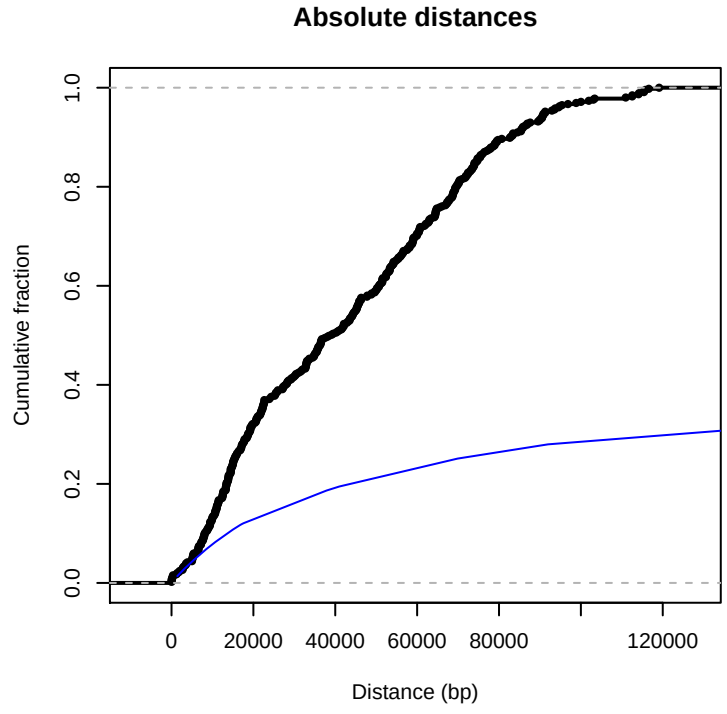
Query population : 658
Reference population : 18
Relative Ks p−value : 7.63833e−14
Relative ecdf deviation area : 0.0362858
Relative ecdf area correlation : 0.137764
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0337498
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

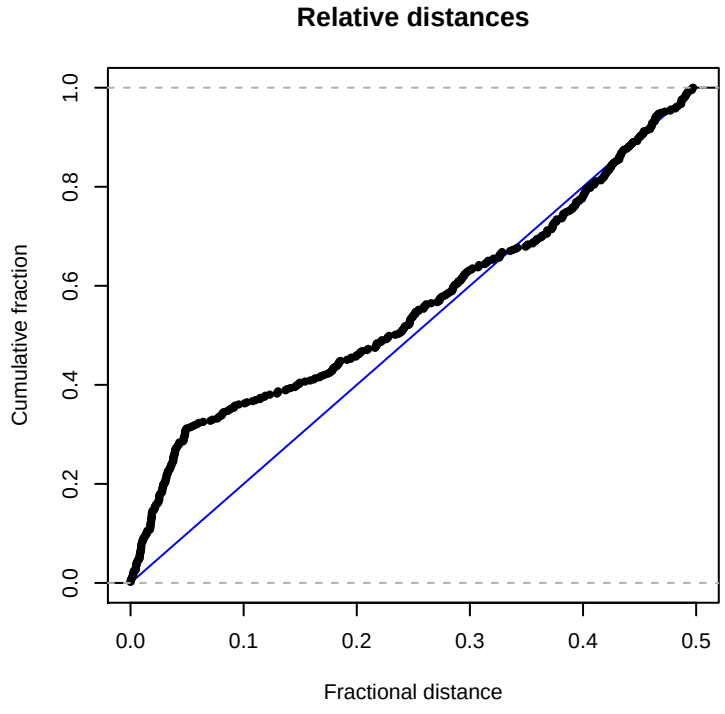




pcontig_040

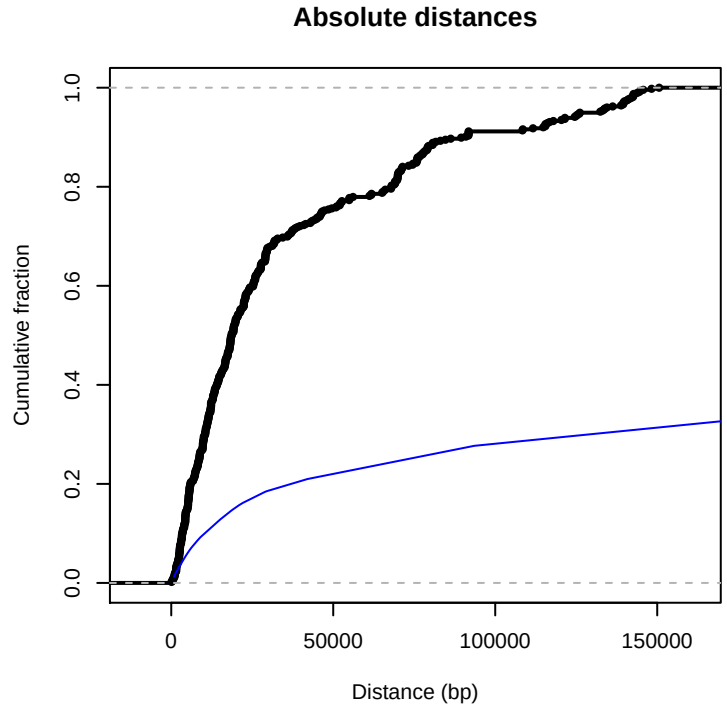
Query population : 455
Reference population : 15
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0314543
Relative ecdf area correlation : 0.110957
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00234336
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.078

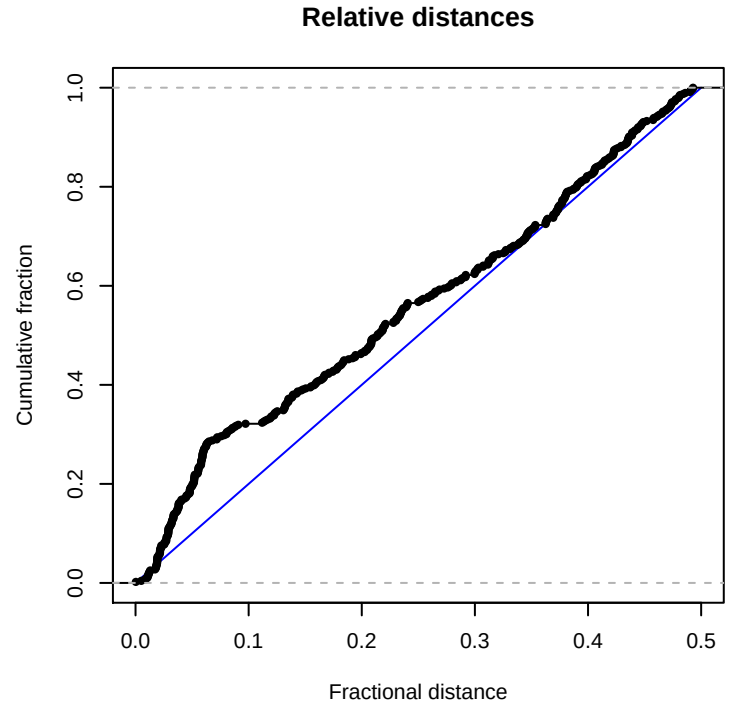




pcontig_041

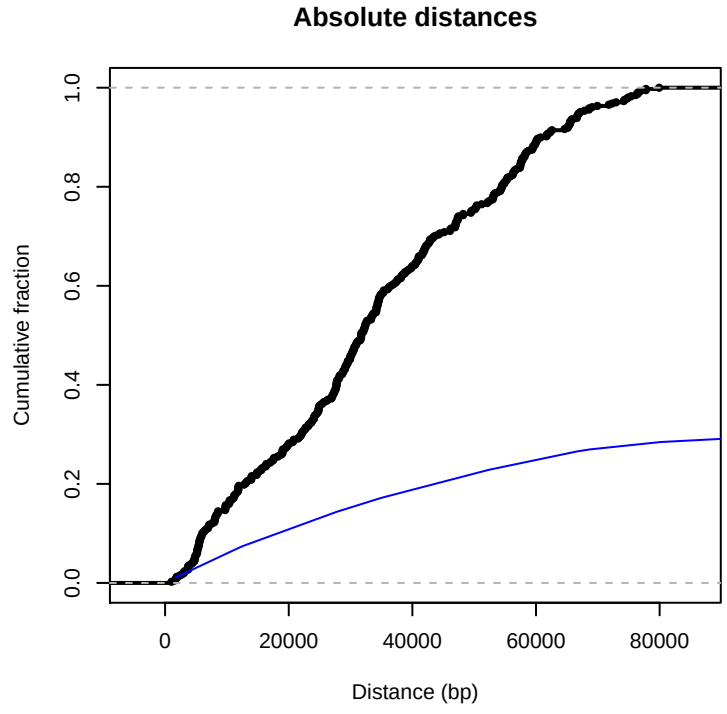
Query population : 476
Reference population : 23
Relative Ks p−value : 1.91648e−10
Relative ecdf deviation area : 0.0271107
Relative ecdf area correlation : 0.107106
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.3
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.18844
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.326074

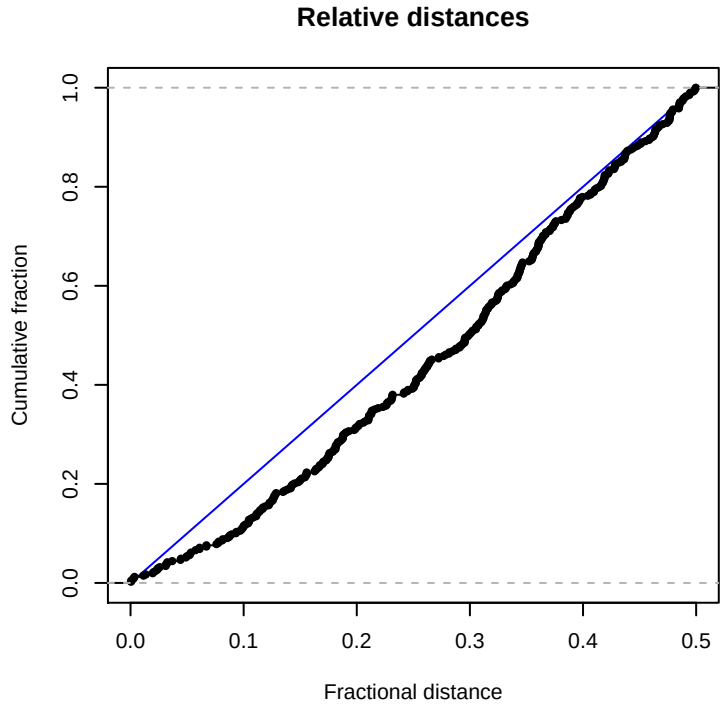




pcontig_042

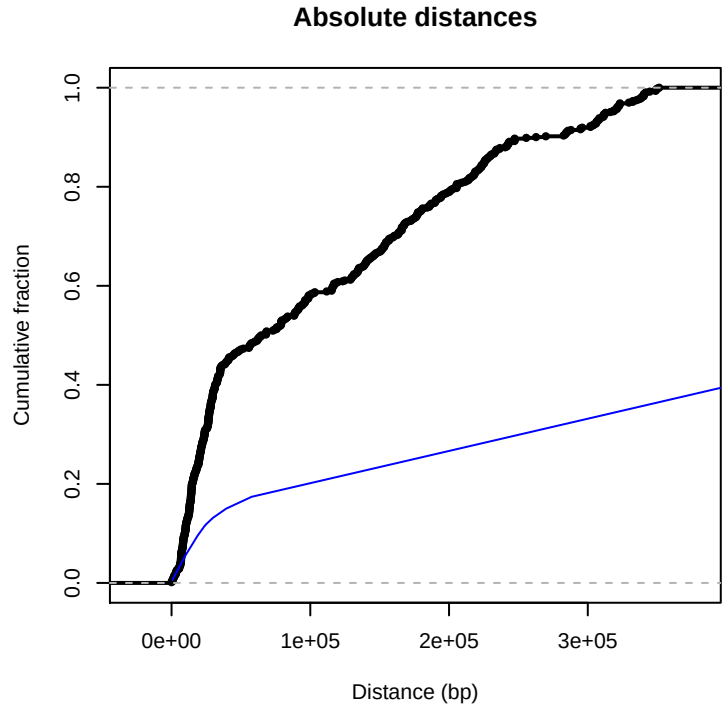
Query population : 408
Reference population : 10
Relative Ks p−value : 0.000126151
Relative ecdf deviation area : 0.029825
Relative ecdf area correlation : −0.119468
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.120892
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

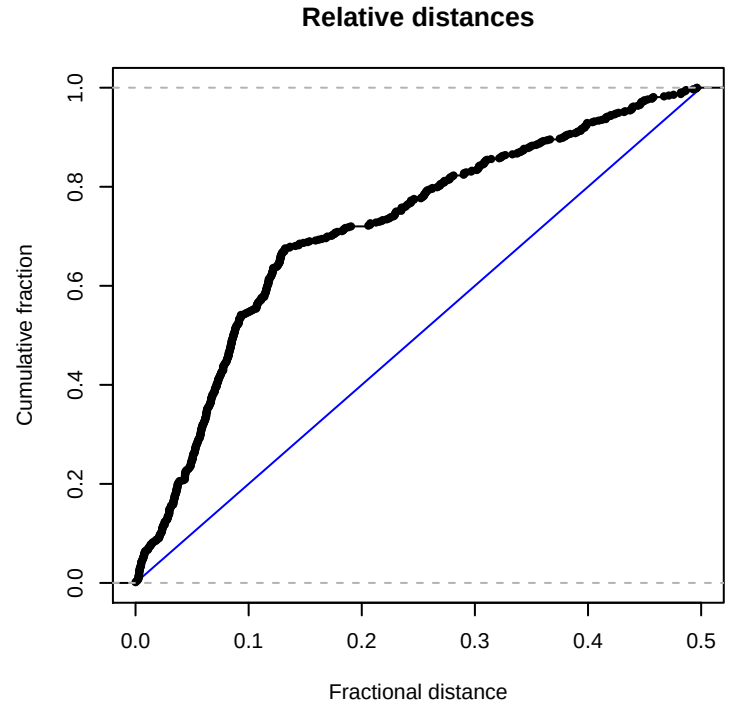




pcontig_043

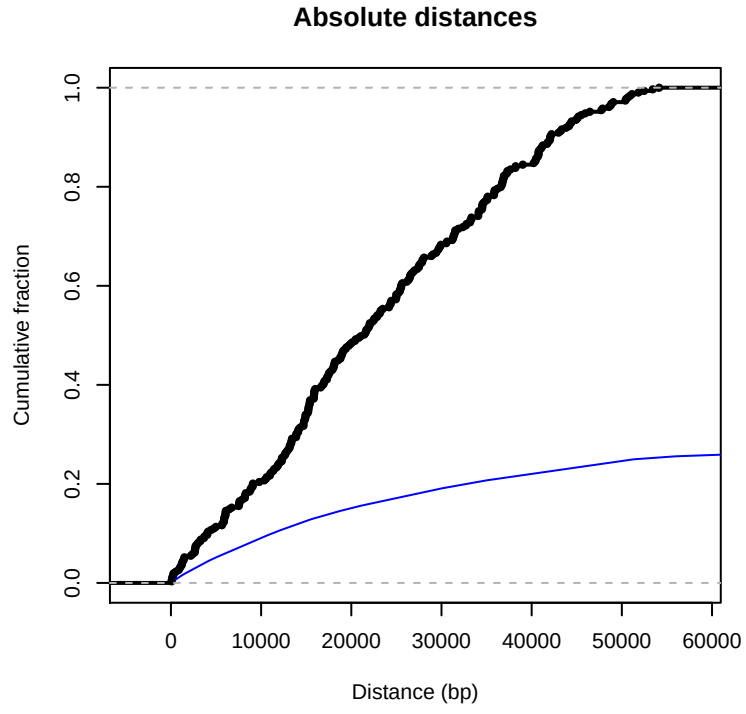
Query population : 632
Reference population : 12
Relative Ks p−value : 0
Relative ecdf deviation area : 0.106015
Relative ecdf area correlation : 0.423822
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.46
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.145598
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.48765

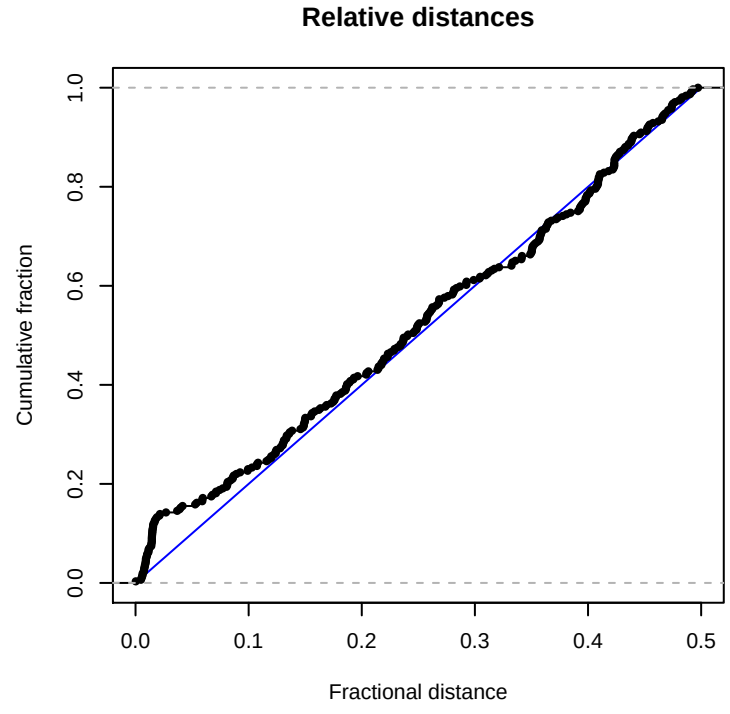




pcontig_044

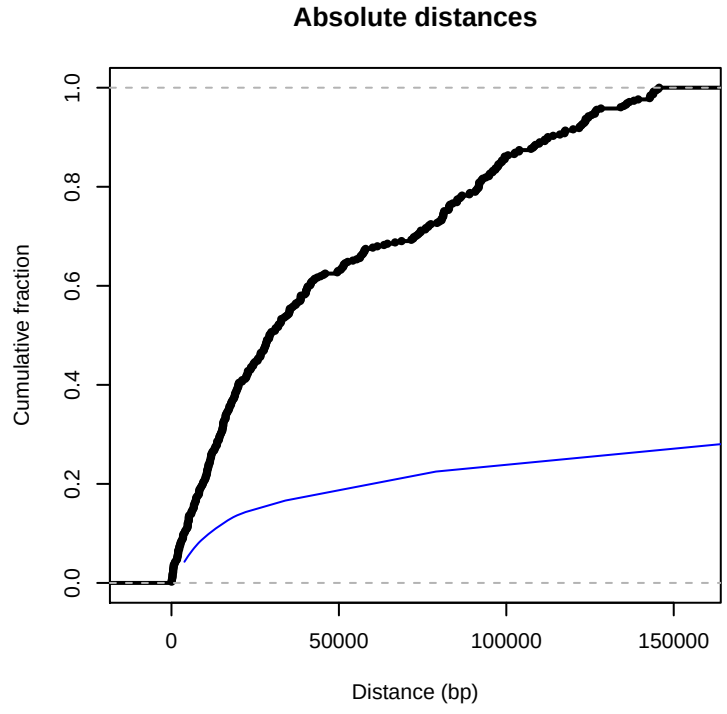
Query population : 309
Reference population : 20
Relative Ks p−value : 0.00676818
Relative ecdf deviation area : 0.0115443
Relative ecdf area correlation : 0.031739
Relative ecdf deviation area p−value : 0.24
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00478724
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.2648

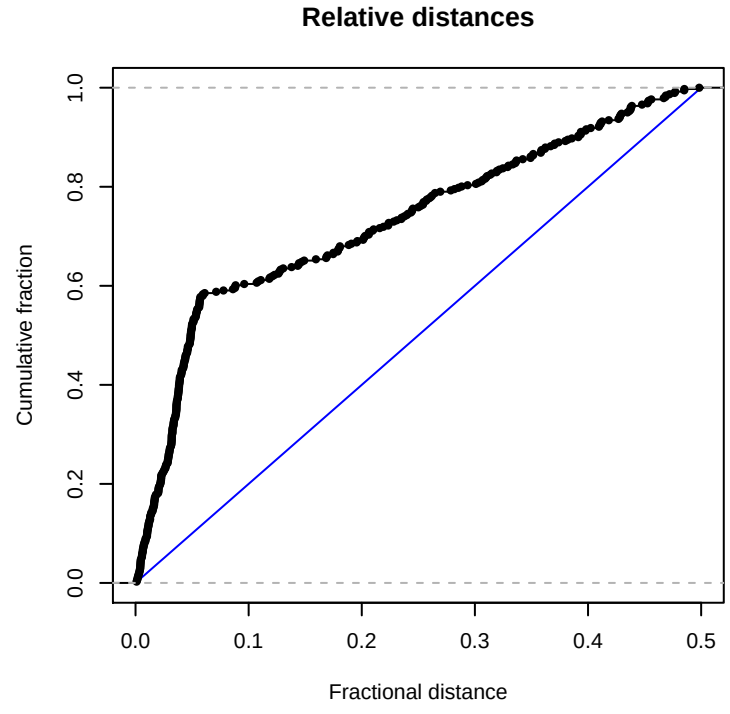




pcontig_045

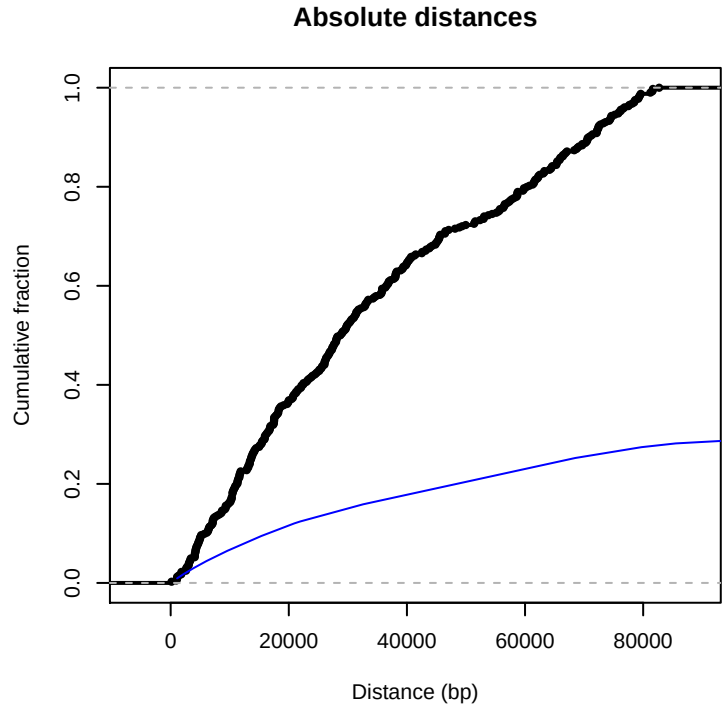
Query population : 381
Reference population : 17
Relative Ks p−value : 0
Relative ecdf deviation area : 0.114002
Relative ecdf area correlation : 0.456167
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.34468e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.02326

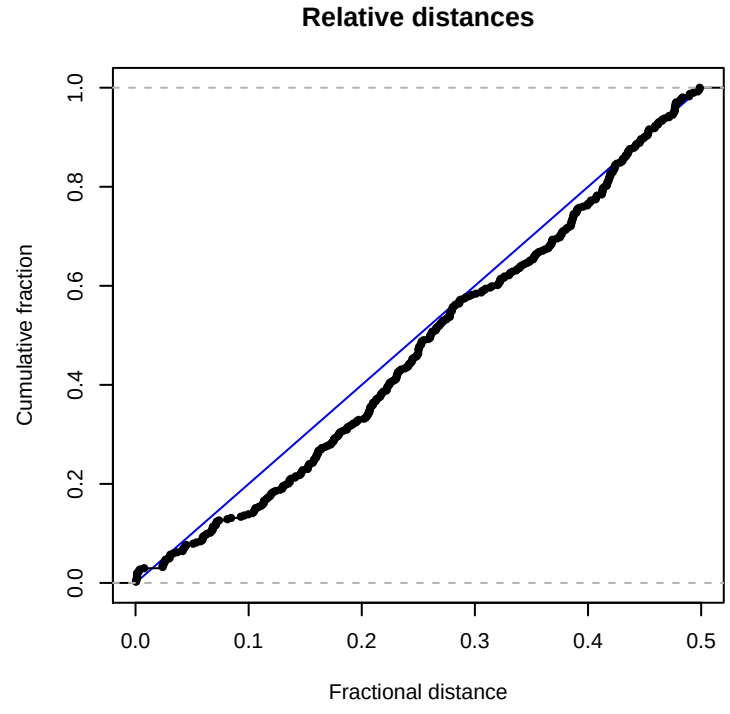




pcontig_046

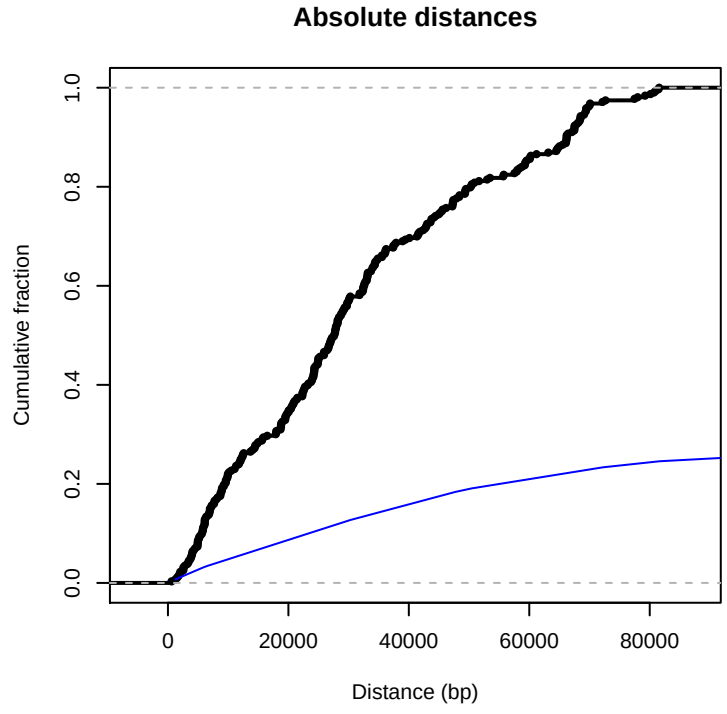
Query population : 404
Reference population : 13
Relative Ks p−value : 0.0173185
Relative ecdf deviation area : 0.0175596
Relative ecdf area correlation : −0.0668739
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.23
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.426613
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0.688213

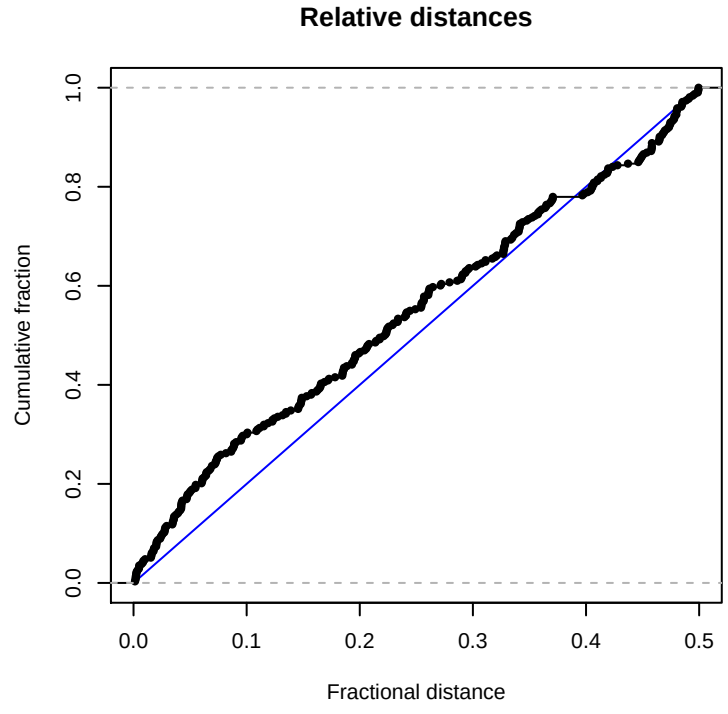




pcontig_047

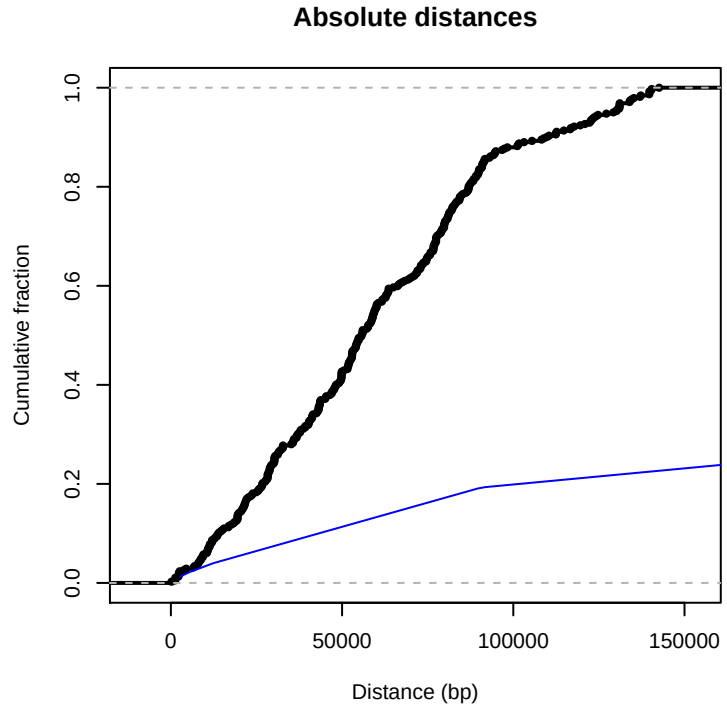
Query population : 313
Reference population : 9
Relative Ks p−value : 0.00185456
Relative ecdf deviation area : 0.0233294
Relative ecdf area correlation : 0.0783474
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.13
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.306552
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

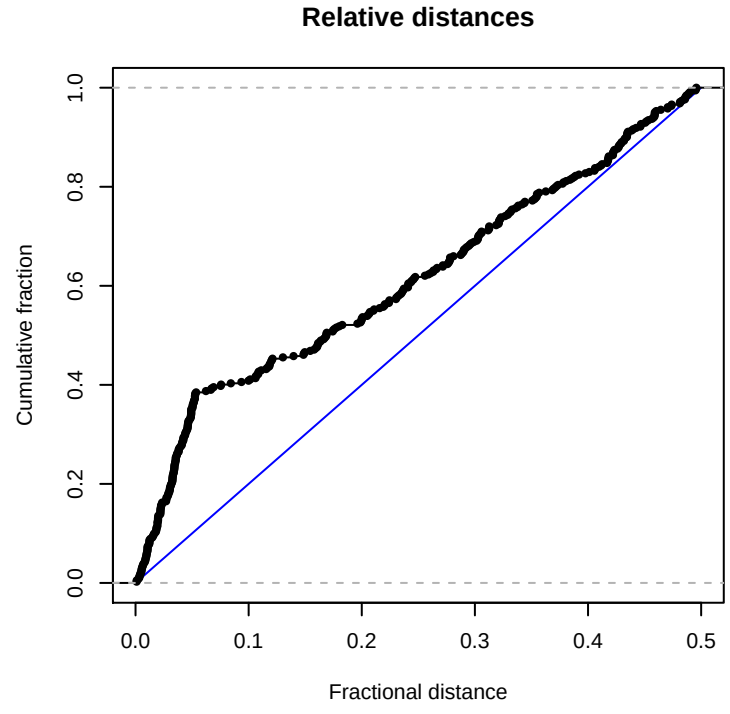




pcontig_048

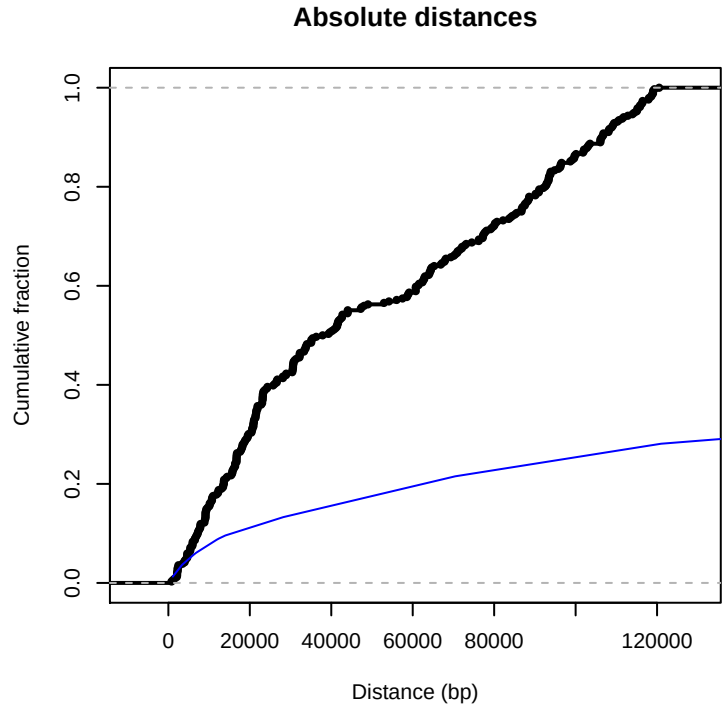
Query population : 382
Reference population : 7
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0549984
Relative ecdf area correlation : 0.220216
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.259196
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.01389

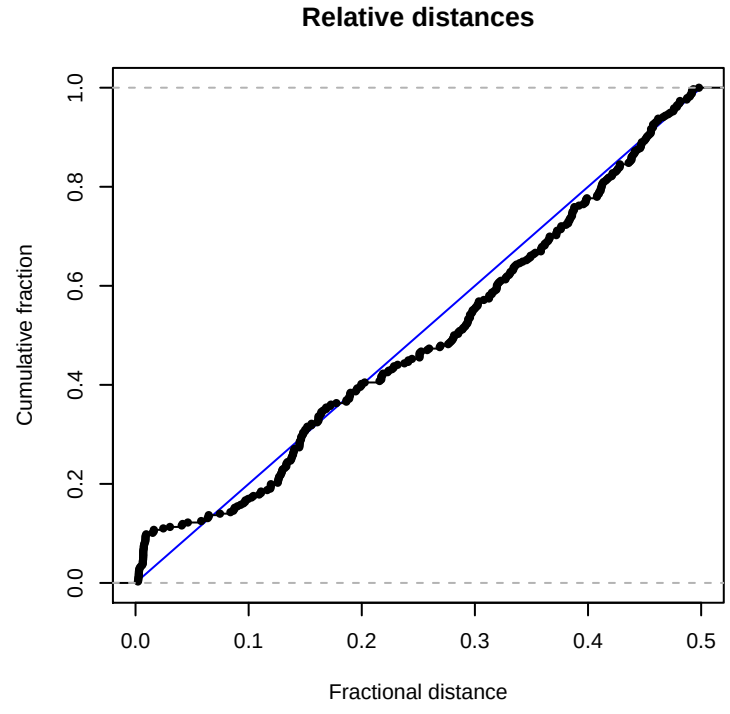




pcontig_049

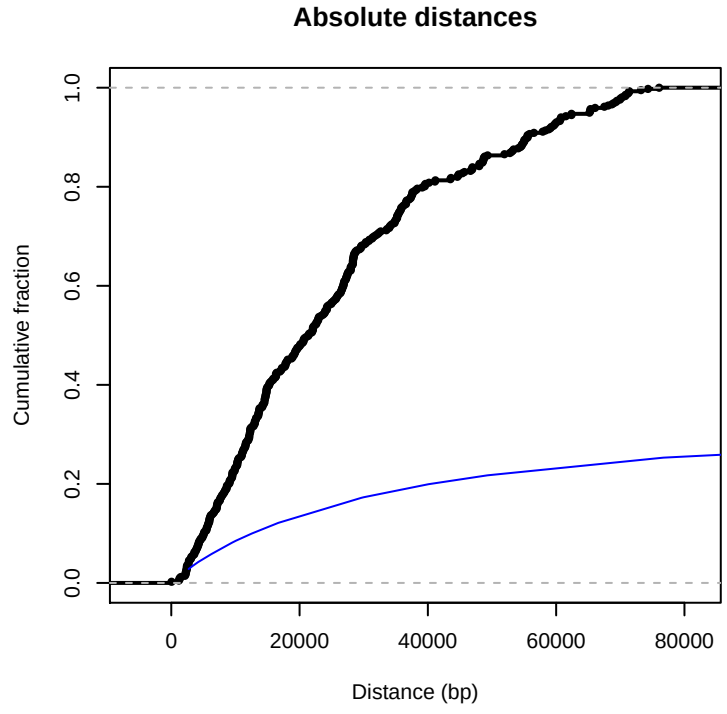
Query population : 336
Reference population : 18
Relative Ks p−value : 0.0291629
Relative ecdf deviation area : 0.0144278
Relative ecdf area correlation : −0.033297
Relative ecdf deviation area p−value : 0.09
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.149098
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

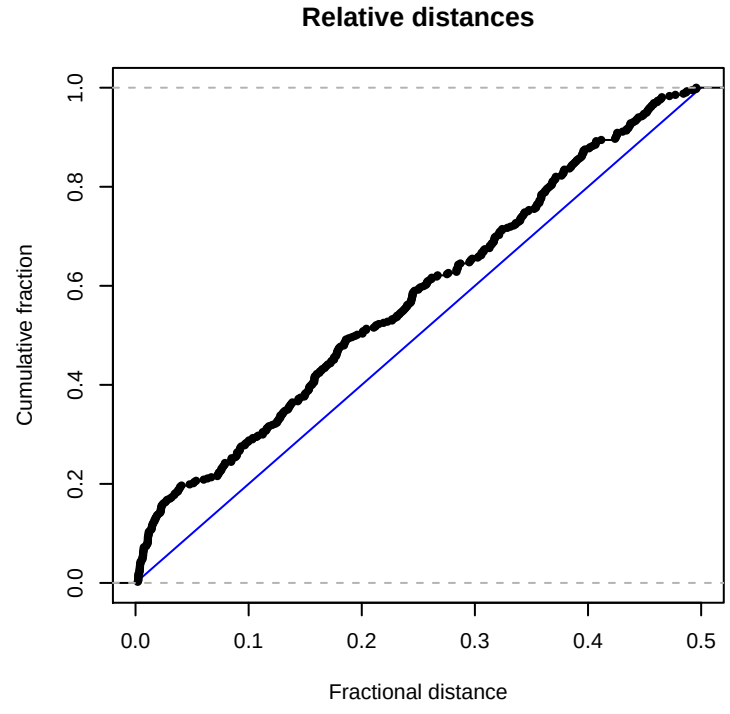




pcontig_050

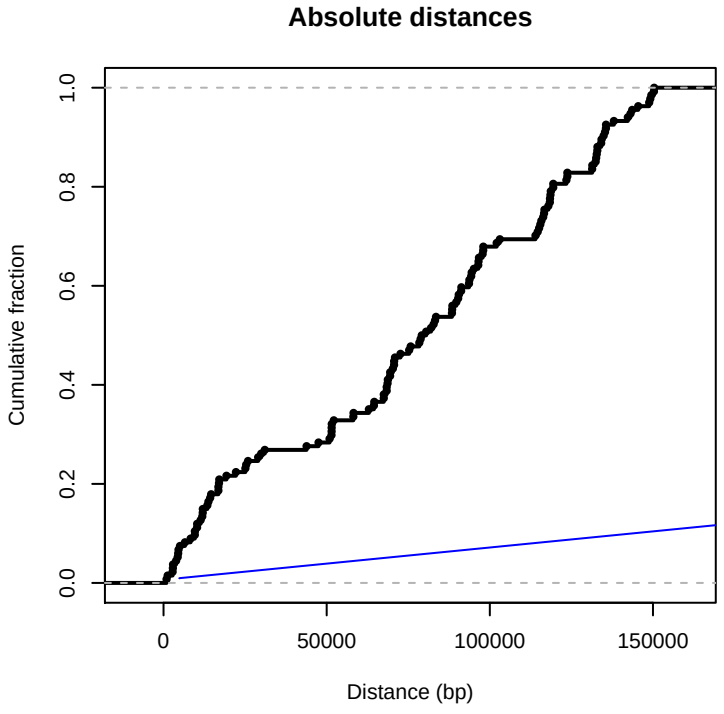
Query population : 417
Reference population : 16
Relative Ks p−value : 1.35146e−05
Relative ecdf deviation area : 0.0359258
Relative ecdf area correlation : 0.144869
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.21778
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.347989

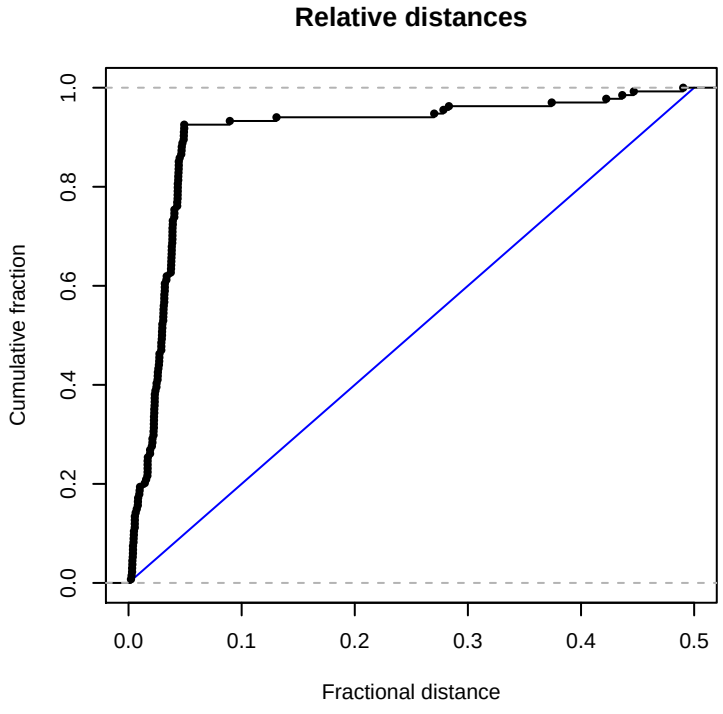




pcontig_051

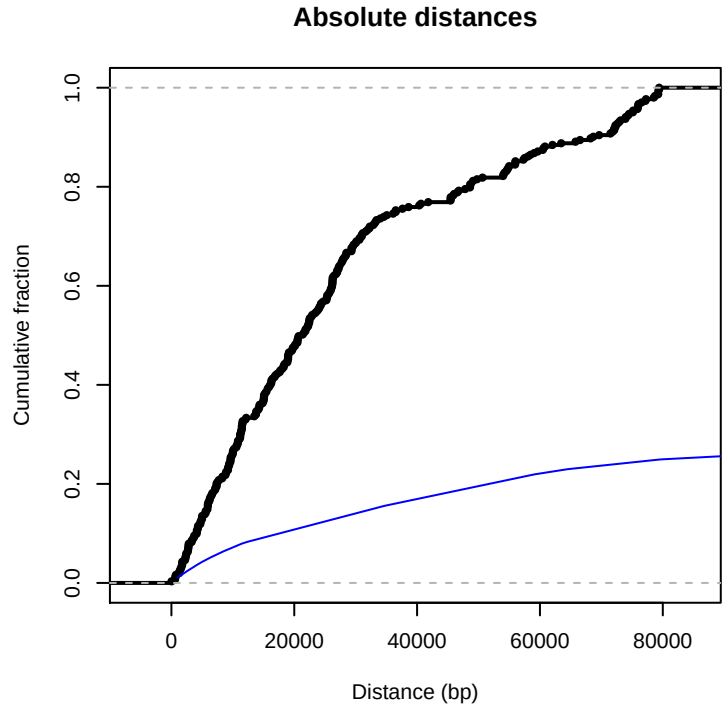
Query population : 134
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.201103
Relative ecdf area correlation : 0.804615
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.2
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0895248
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

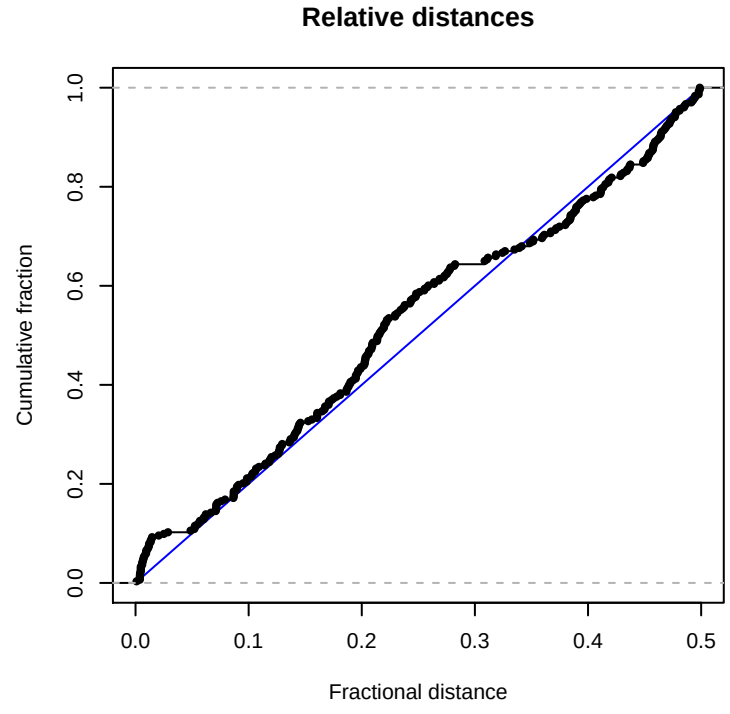




pcontig_052

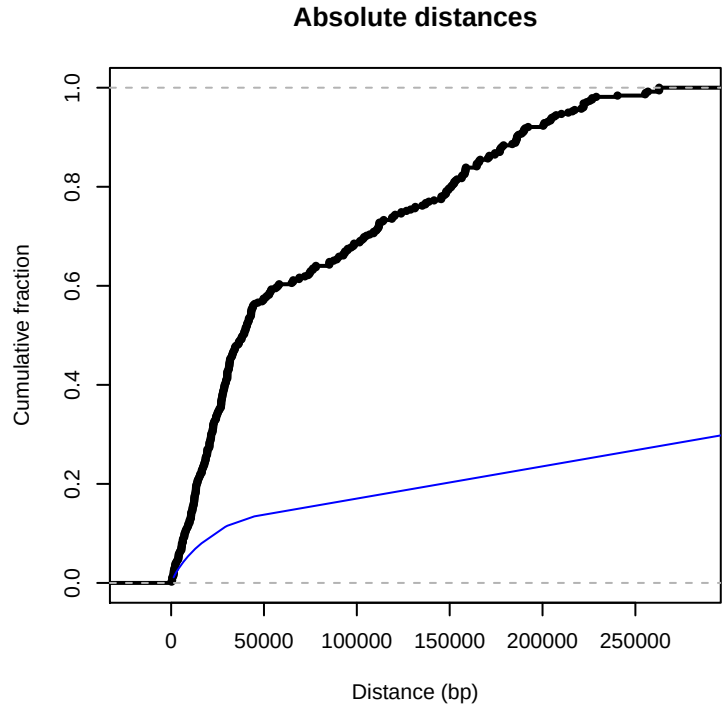
Query population : 303
Reference population : 16
Relative Ks p−value : 0.0184387
Relative ecdf deviation area : 0.0157662
Relative ecdf area correlation : 0.0305406
Relative ecdf deviation area p−value : 0.0600000000000001
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.07
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00485143
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.25528

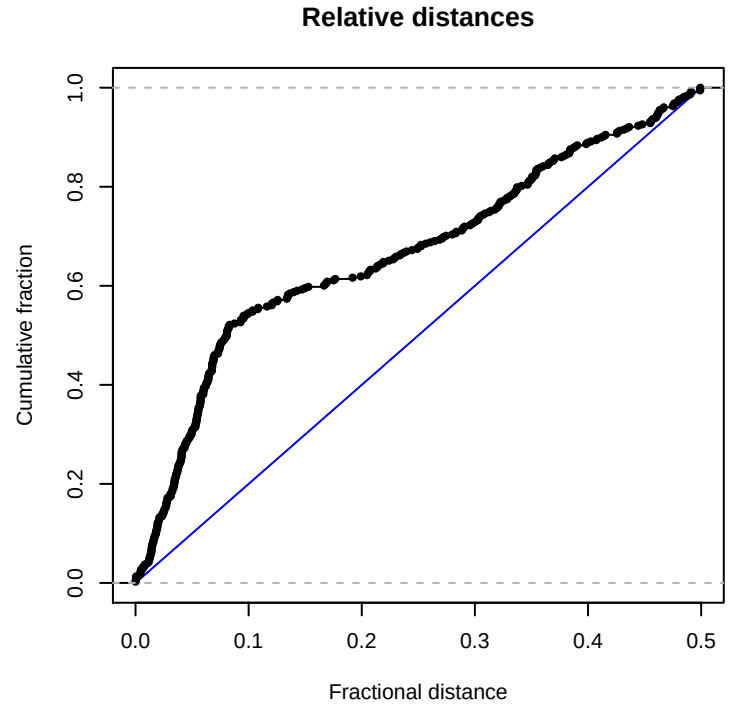




pcontig_054

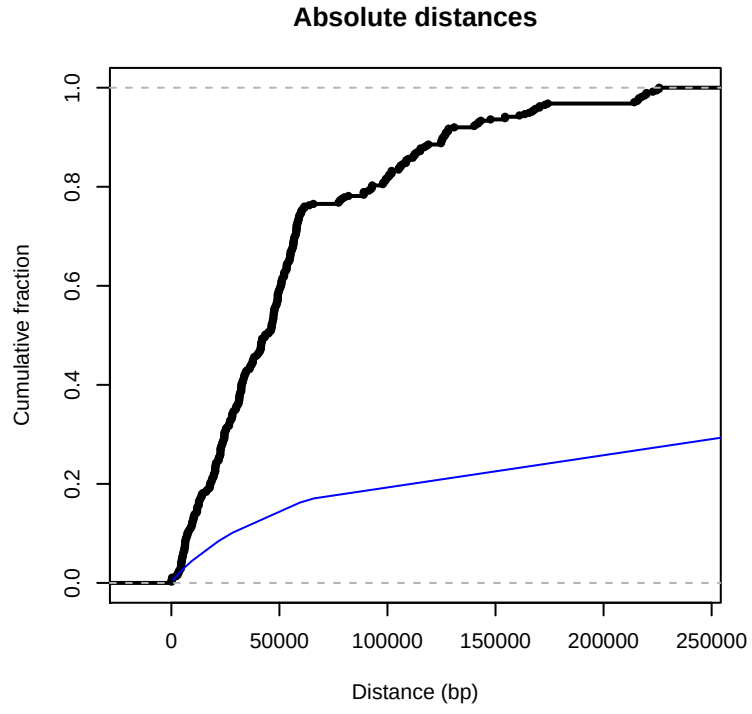
Query population : 378
Reference population : 13
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0814399
Relative ecdf area correlation : 0.325955
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.15
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.186713
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.34837

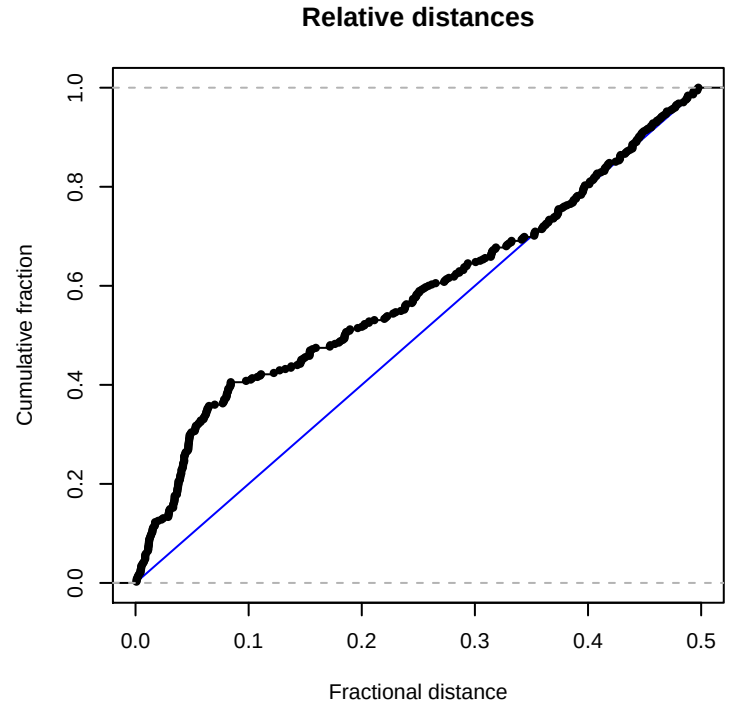




pcontig_055

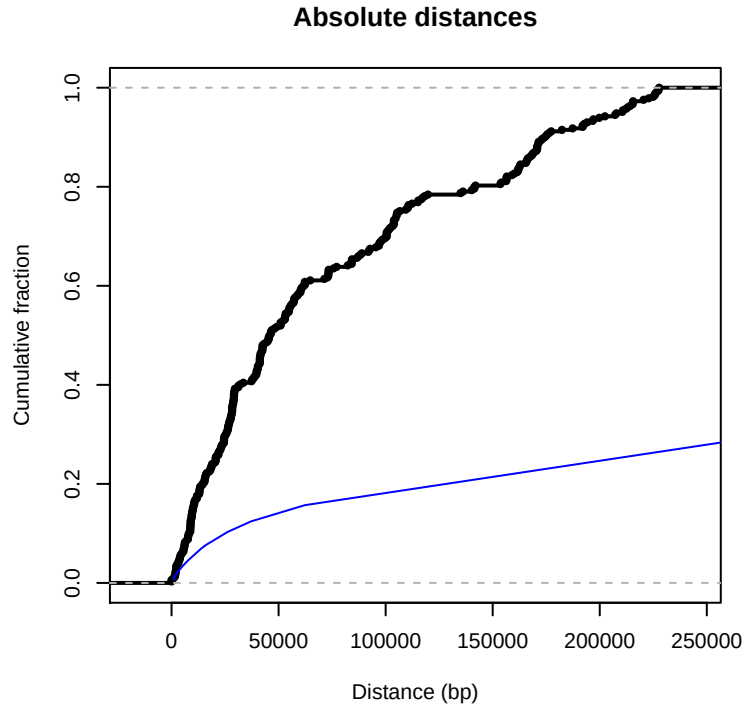
Query population : 375
Reference population : 10
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0410572
Relative ecdf area correlation : 0.162241
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0203941
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.59314

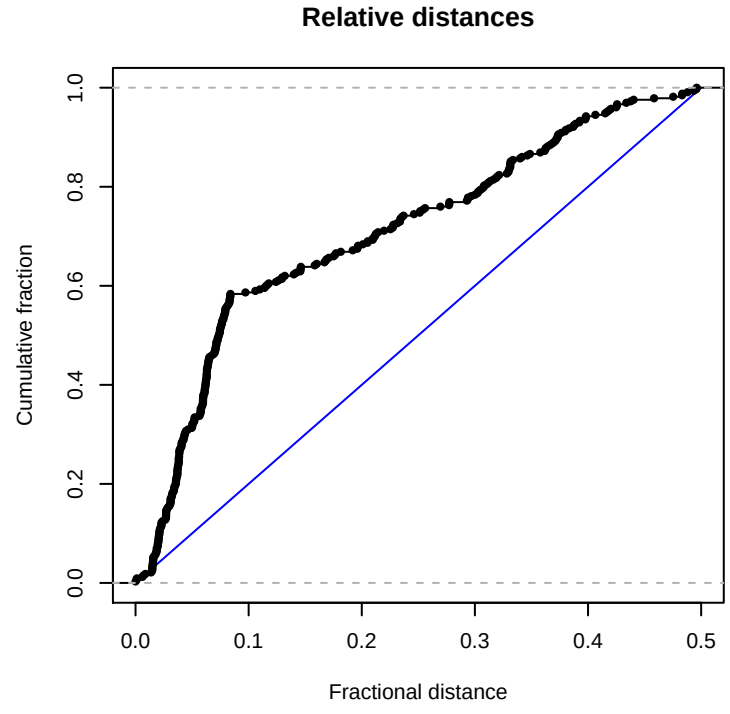




pcontig_056

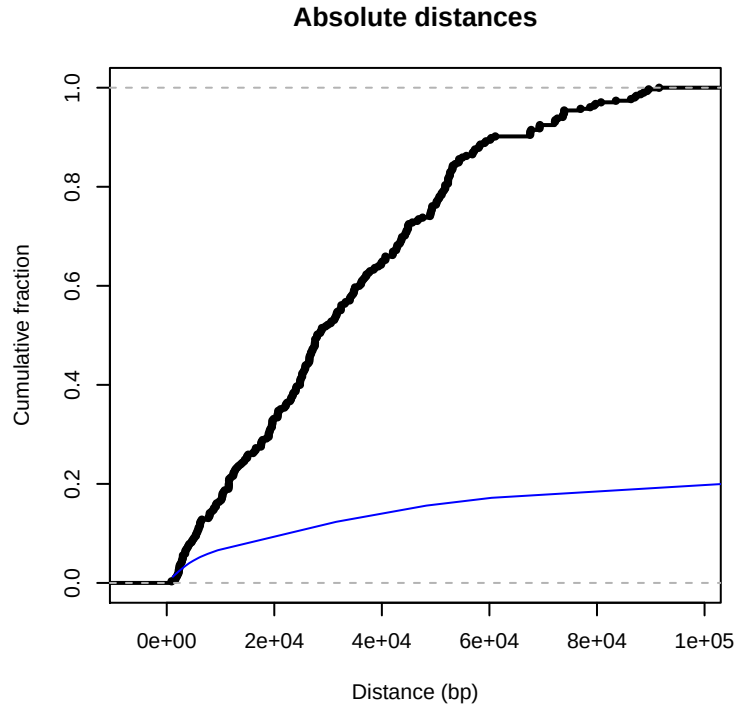
Query population : 329
Reference population : 14
Relative Ks p−value : 0
Relative ecdf deviation area : 0.102082
Relative ecdf area correlation : 0.408442
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.45
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.276251
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.09522

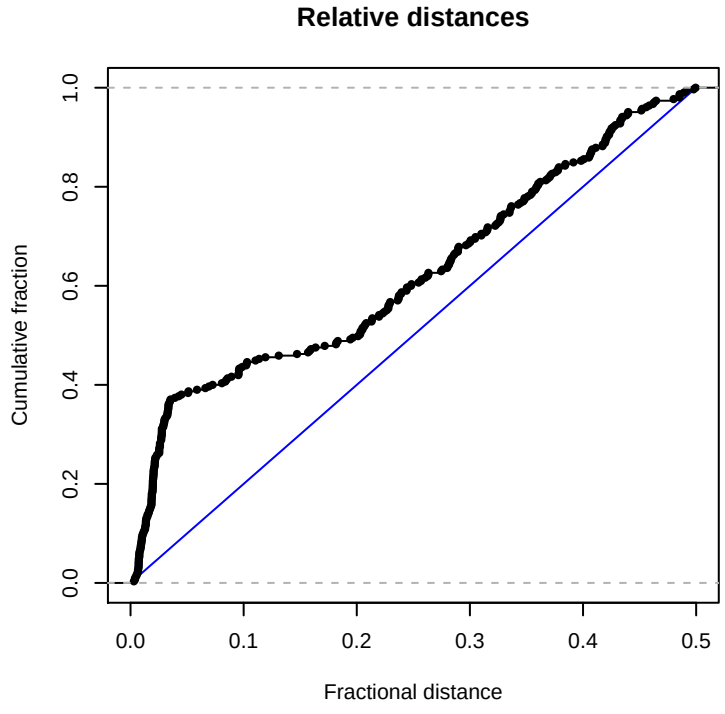




pcontig_057

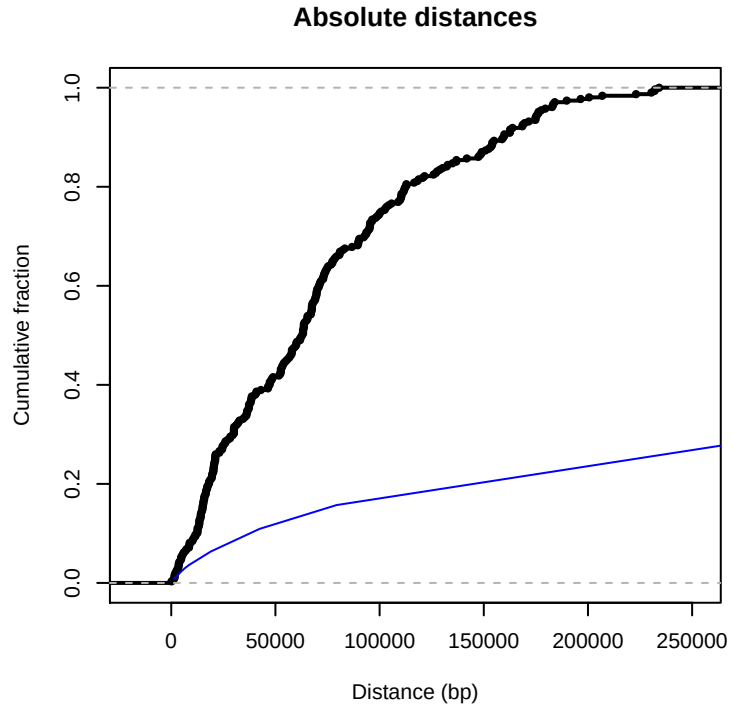
Query population : 305
Reference population : 17
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0598739
Relative ecdf area correlation : 0.239114
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.139914
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

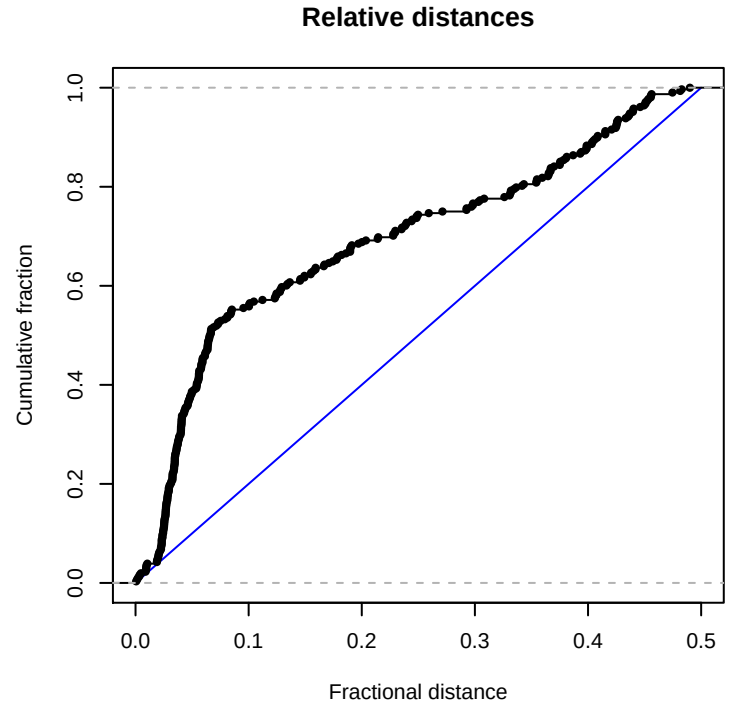




pcontig_058

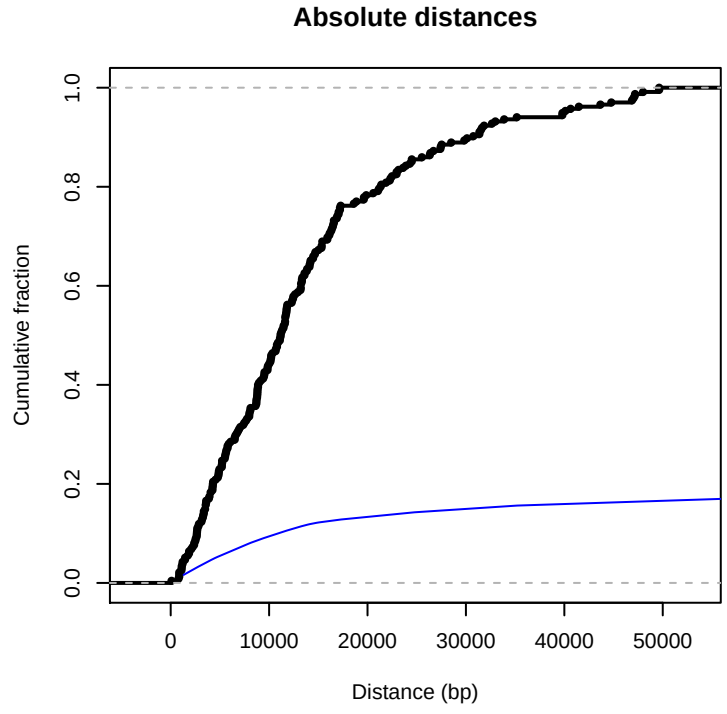
Query population : 308
Reference population : 9
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0947363
Relative ecdf area correlation : 0.37889
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.3
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.392293
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0.738808

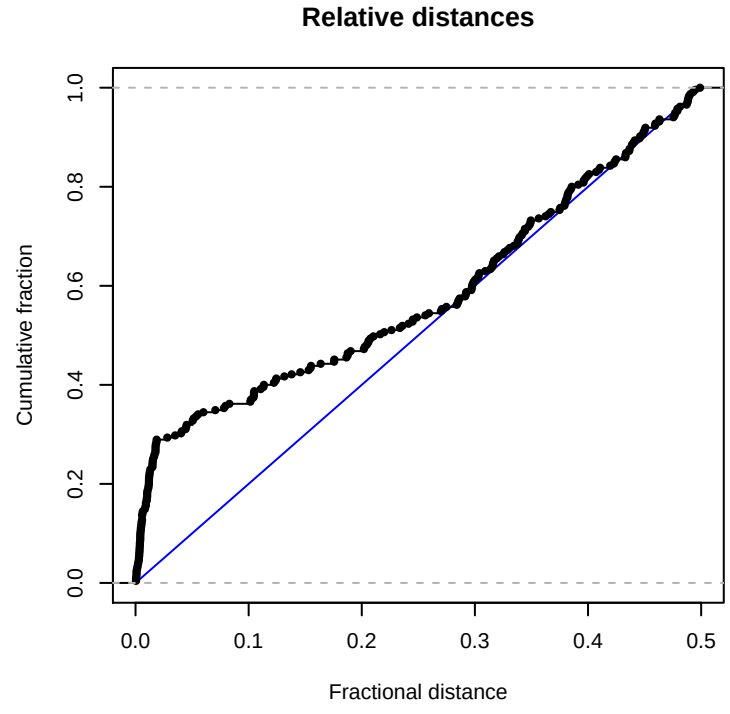




pcontig_059

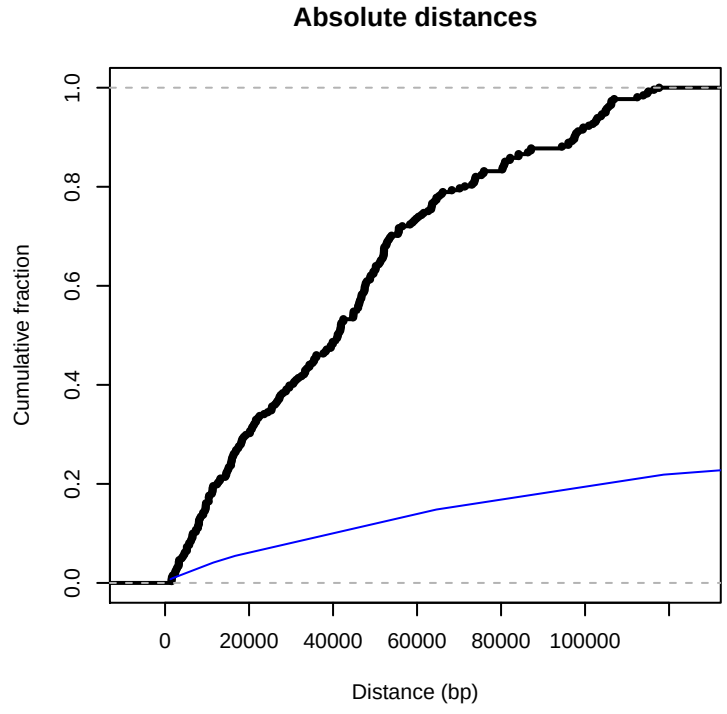
Query population : 235
Reference population : 19
Relative Ks p−value : 2.13607e−13
Relative ecdf deviation area : 0.0380177
Relative ecdf area correlation : 0.150217
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.28
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.497032
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.593342

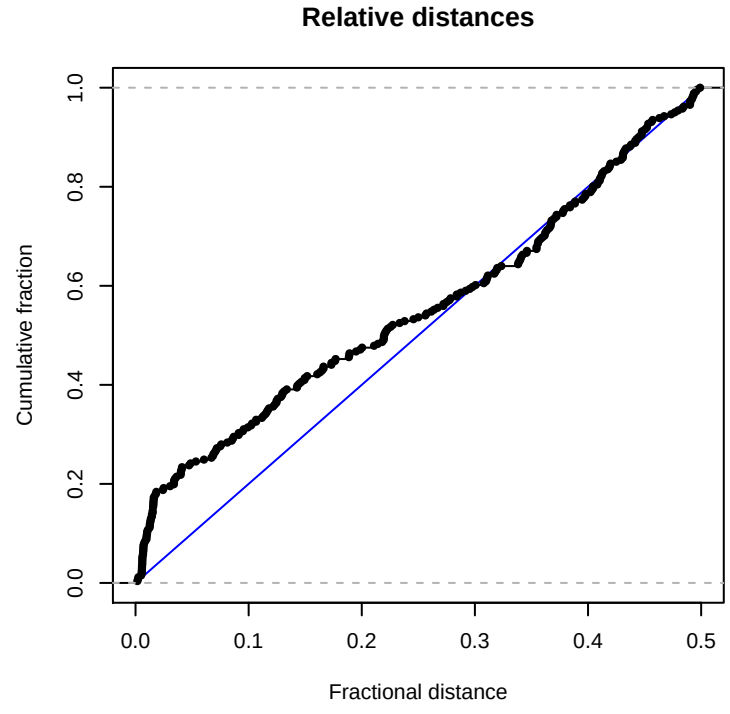




pcontig_060

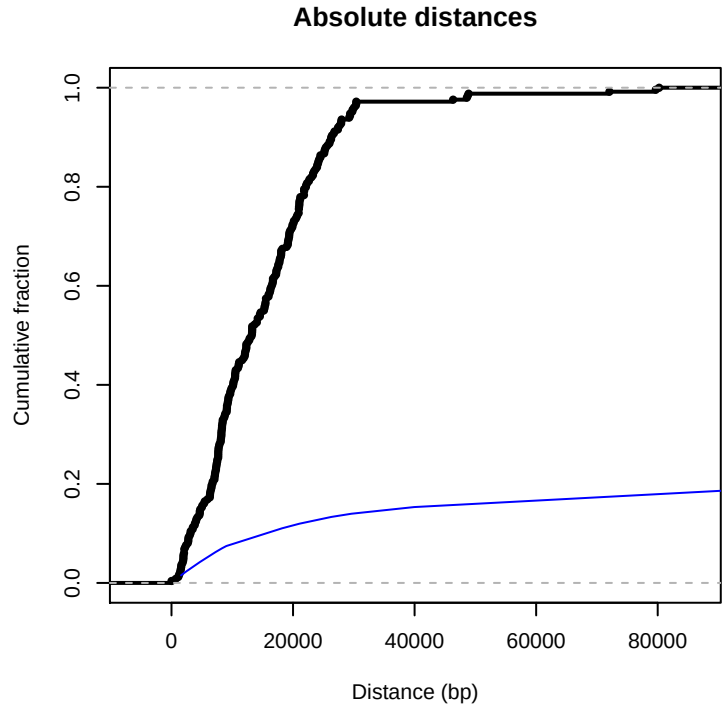
Query population : 261
Reference population : 9
Relative Ks p−value : 1.24607e−05
Relative ecdf deviation area : 0.0280893
Relative ecdf area correlation : 0.0959886
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.17
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.379603
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

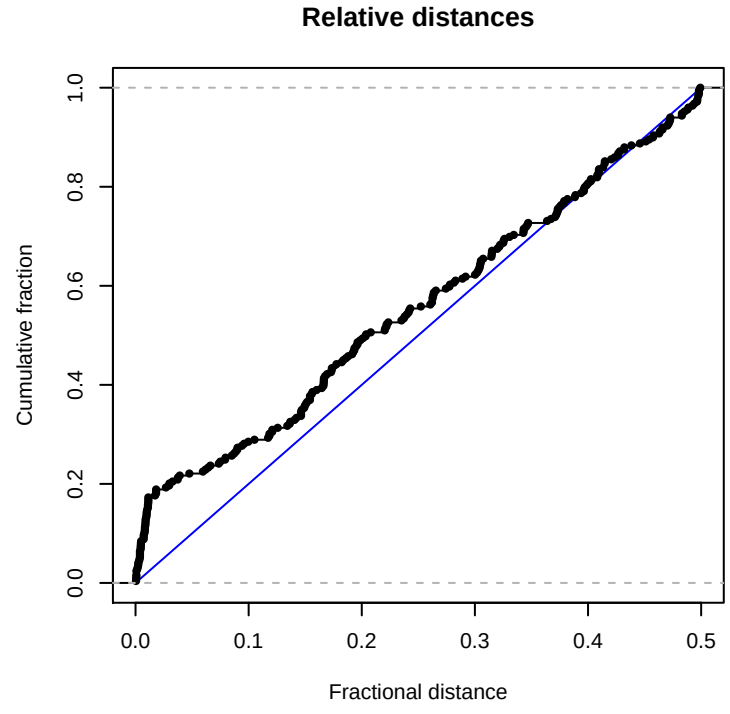




pcontig_062

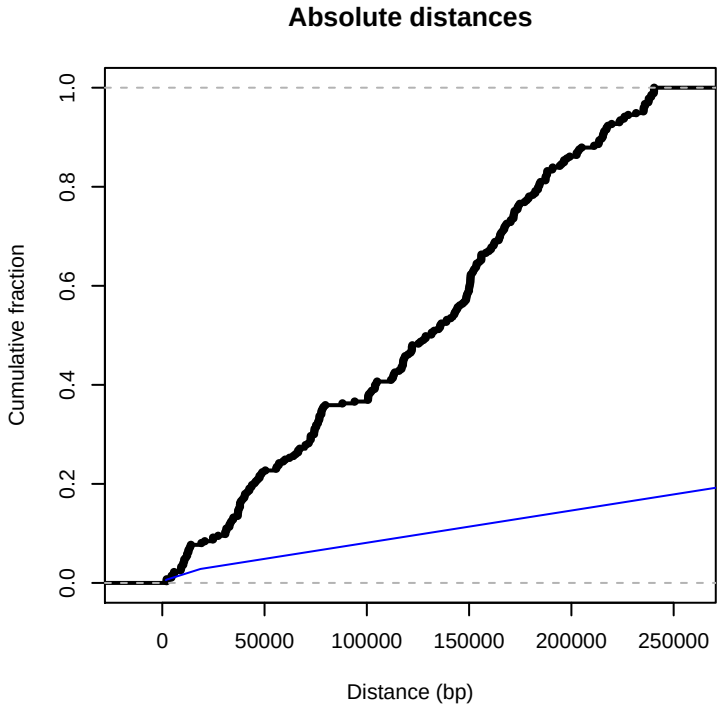
Query population : 249
Reference population : 15
Relative Ks p−value : 1.92423e−05
Relative ecdf deviation area : 0.0265217
Relative ecdf area correlation : 0.0987176
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.040435
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.3487

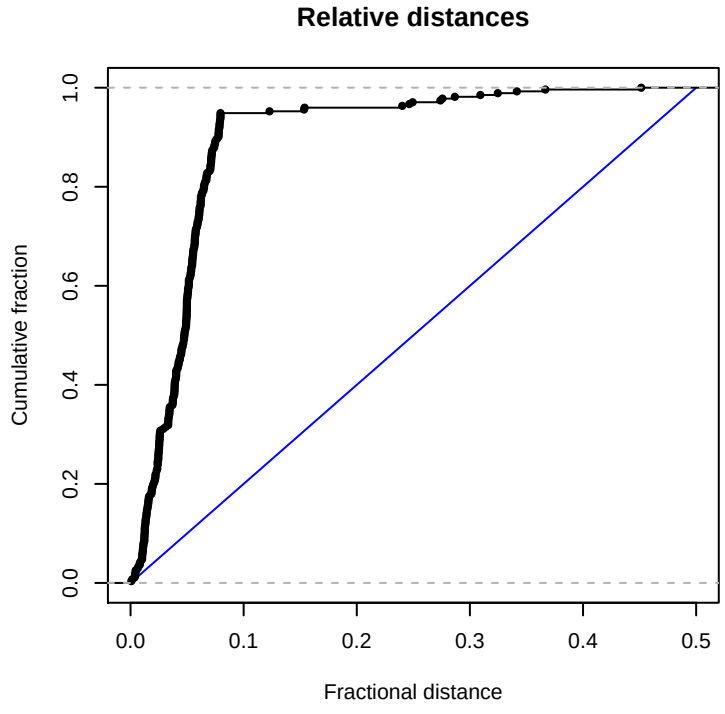




pcontig_064

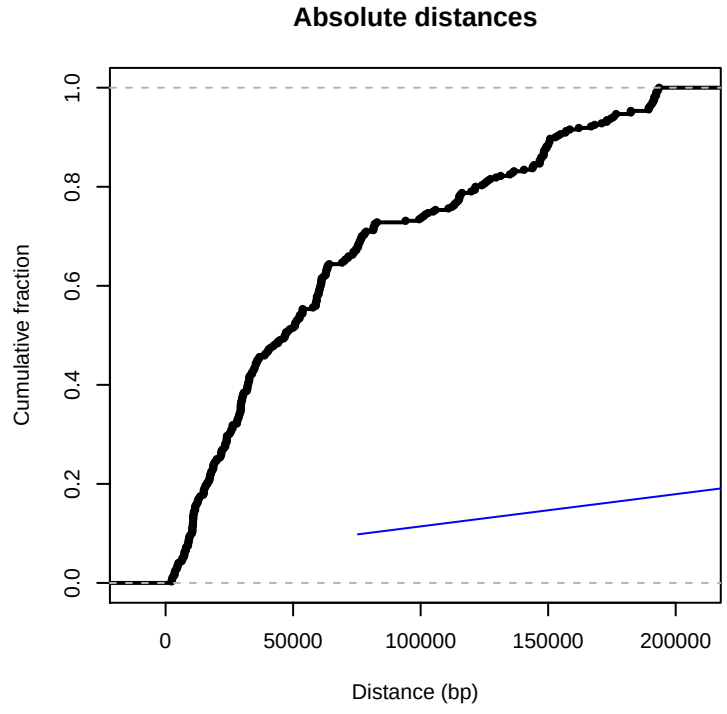
Query population : 273
Reference population : 5
Relative Ks p−value : 0
Relative ecdf deviation area : 0.195991
Relative ecdf area correlation : 0.783939
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.19
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.438045
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

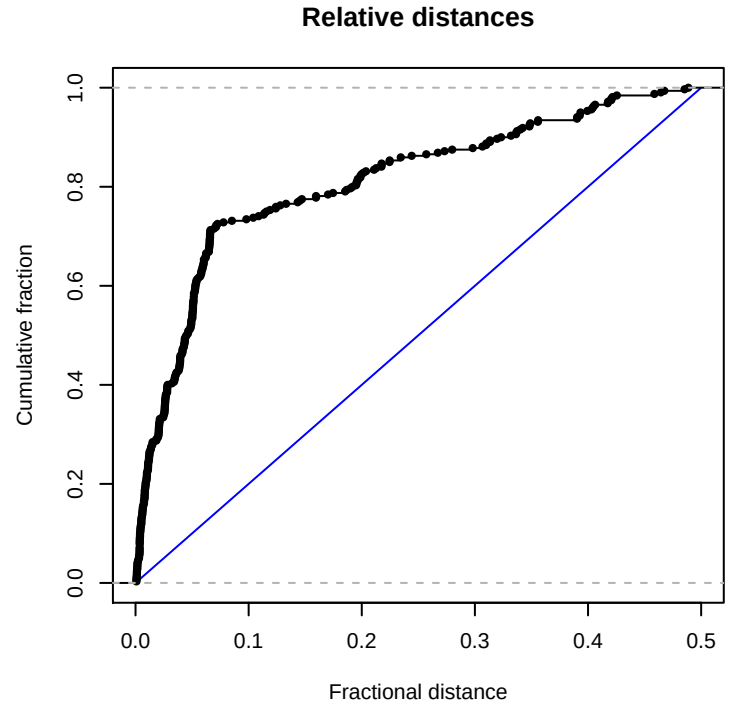




pcontig_065

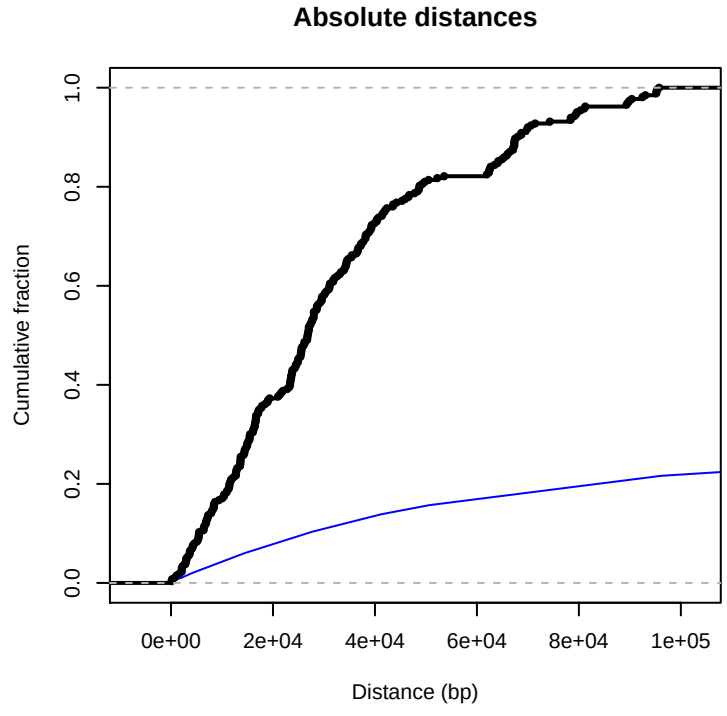
Query population : 320
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.154468
Relative ecdf area correlation : 0.617451
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.29
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.185359
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

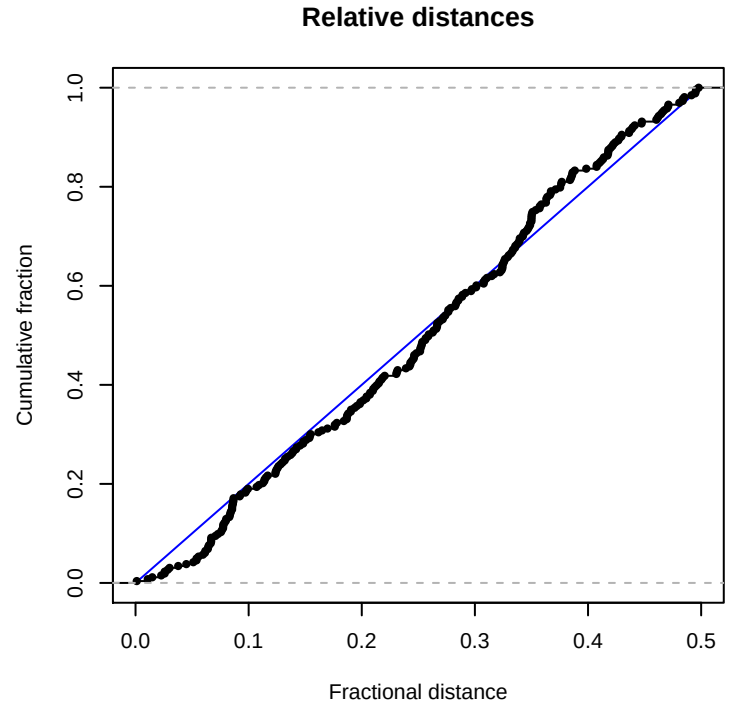




pcontig_066

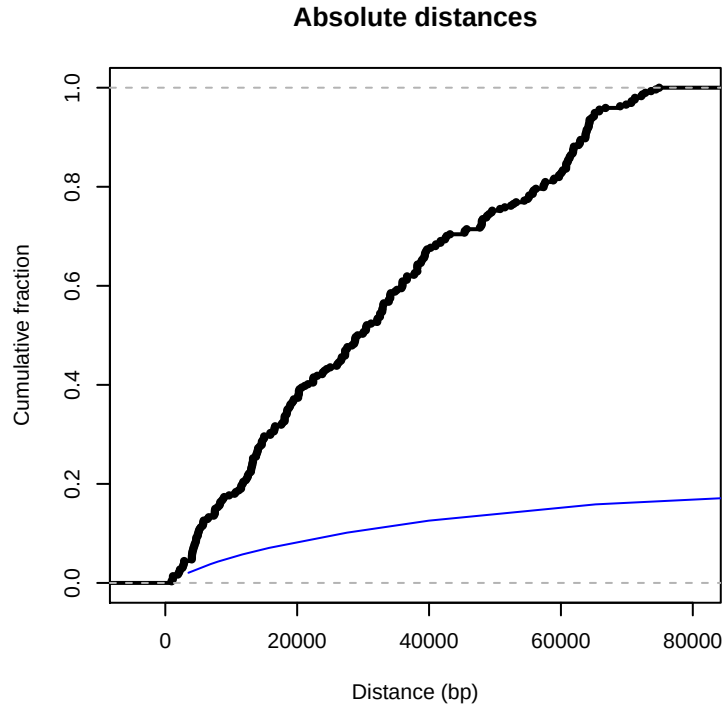
Query population : 263
Reference population : 8
Relative Ks p−value : 0.202655
Relative ecdf deviation area : 0.0128992
Relative ecdf area correlation : −0.0145831
Relative ecdf deviation area p−value : 0.28
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0441536
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.56846

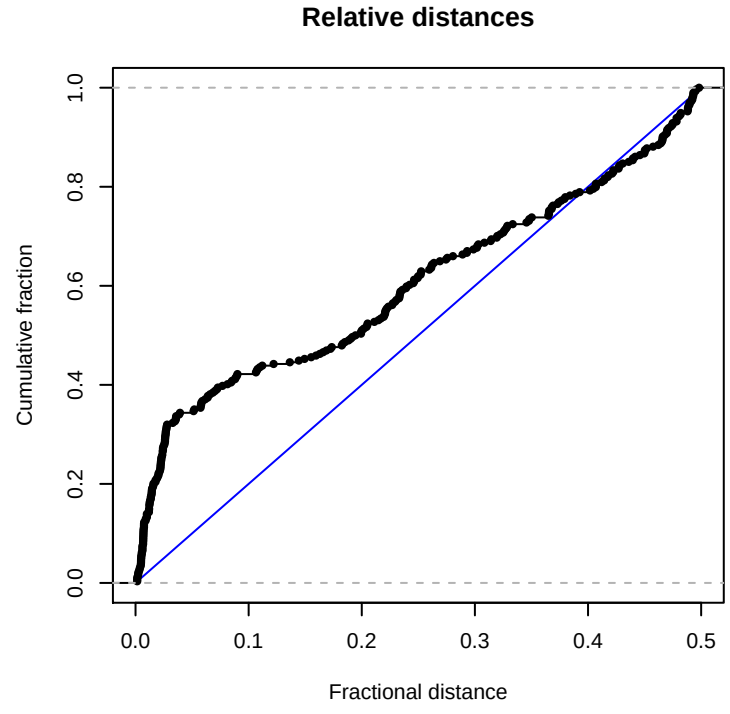




pcontig_067

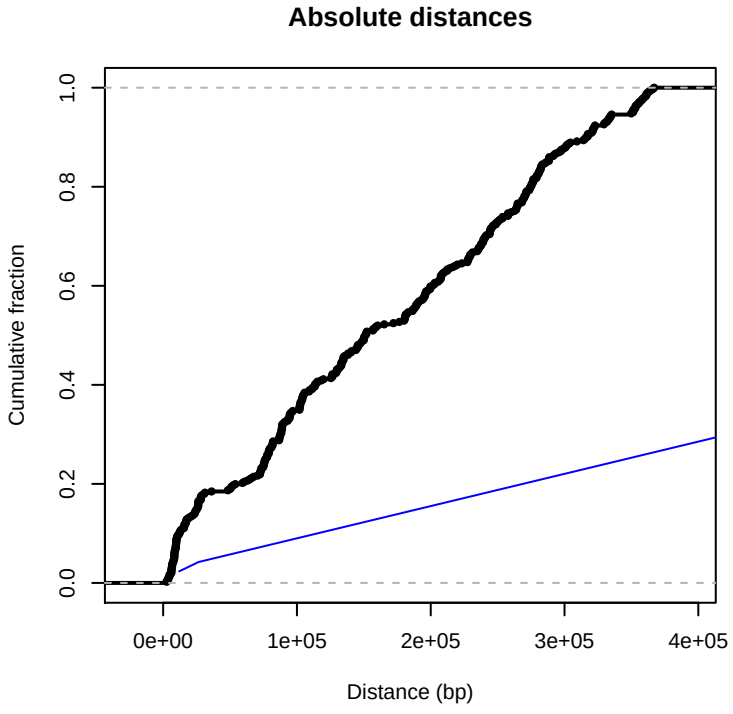
Query population : 294
Reference population : 9
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0533751
Relative ecdf area correlation : 0.195783
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.1
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.417698
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

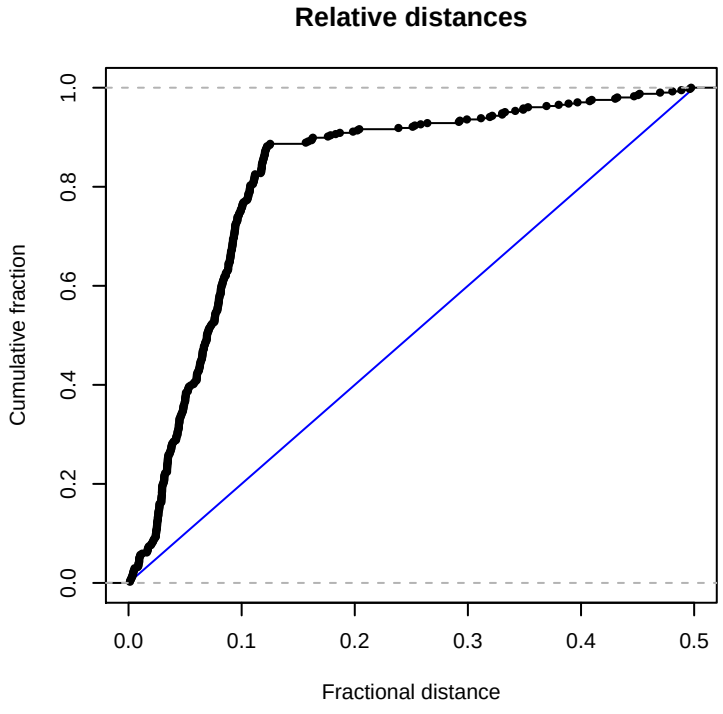




pcontig_068

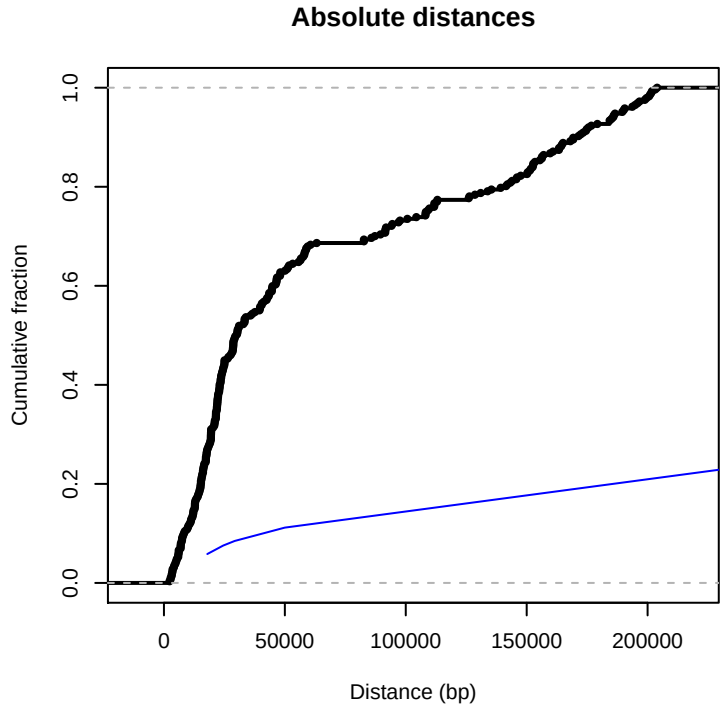
Query population : 406
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.158541
Relative ecdf area correlation : 0.633852
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.36
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.380823
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

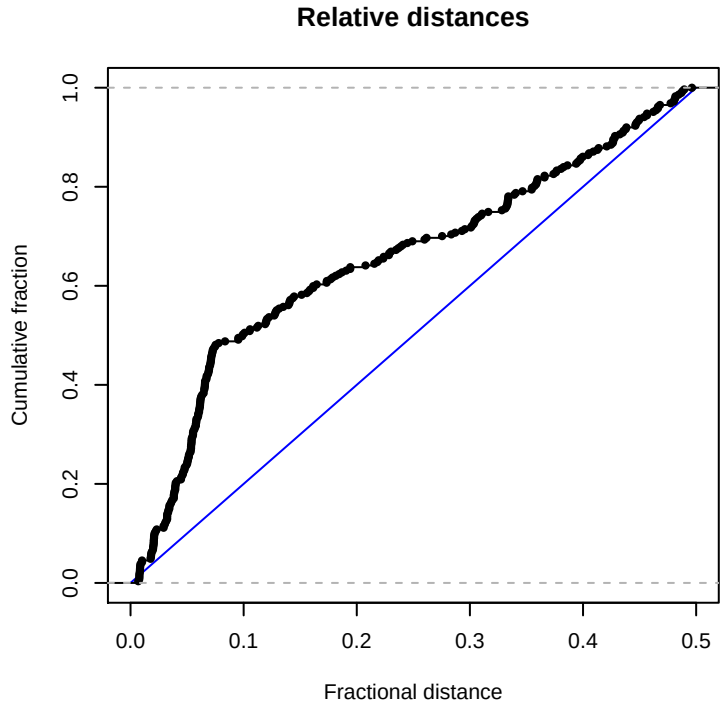




pcontig_069

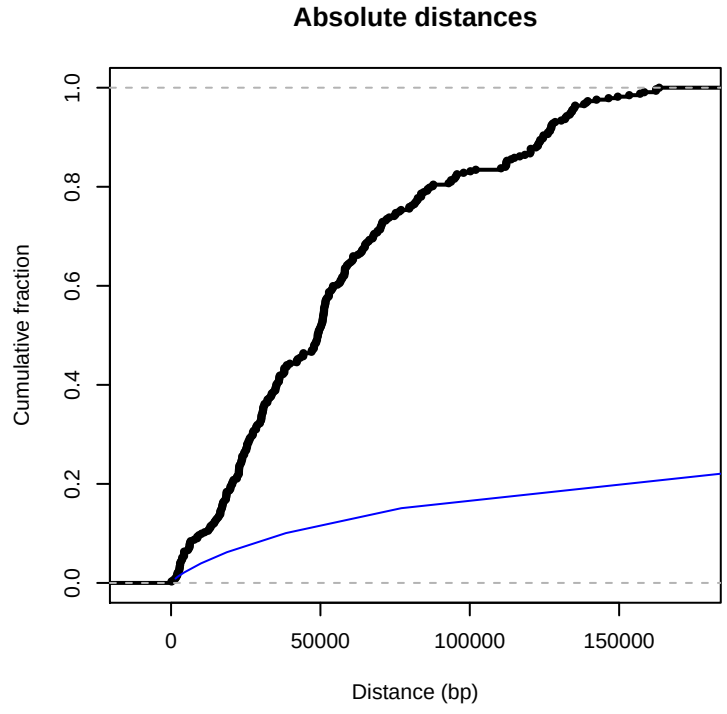
Query population : 287
Reference population : 5
Relative Ks p−value : 0
Relative ecdf deviation area : 0.074251
Relative ecdf area correlation : 0.297058
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.21
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.464936
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

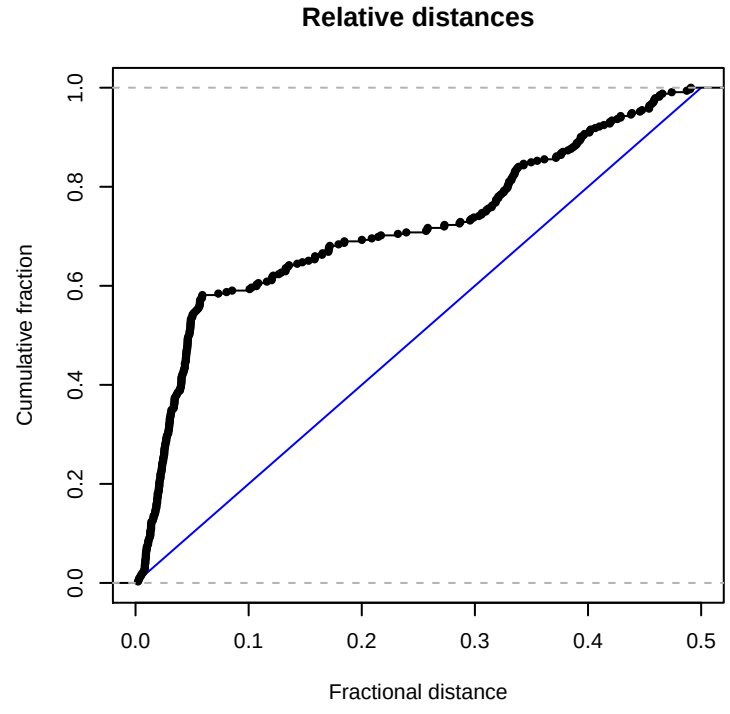




pcontig_070

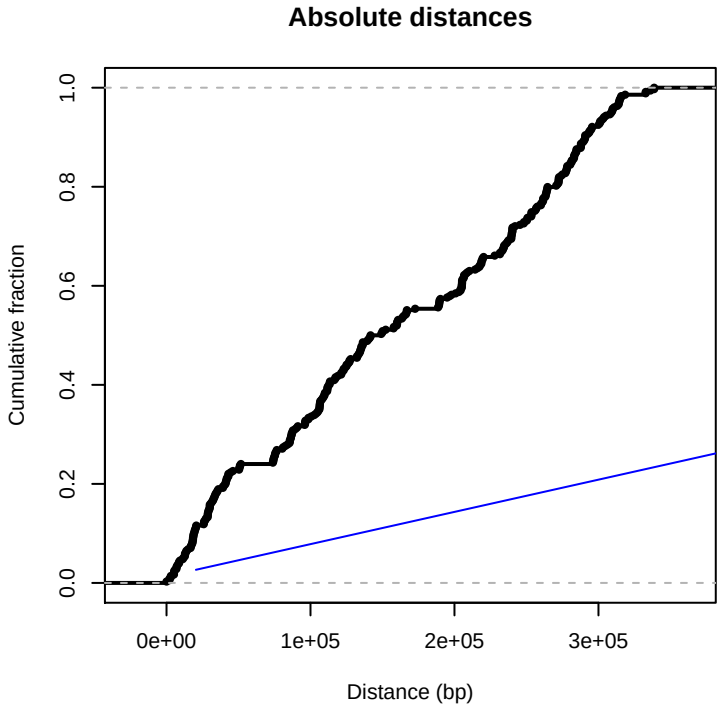
Query population : 332
Reference population : 9
Relative Ks p−value : 0
Relative ecdf deviation area : 0.106154
Relative ecdf area correlation : 0.424465
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.41
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.313526
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0.881742

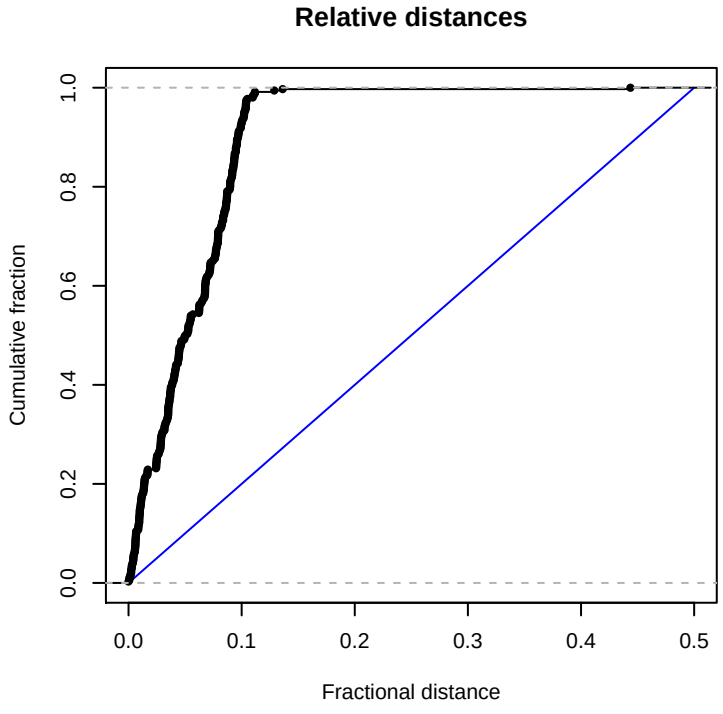




pcontig_072

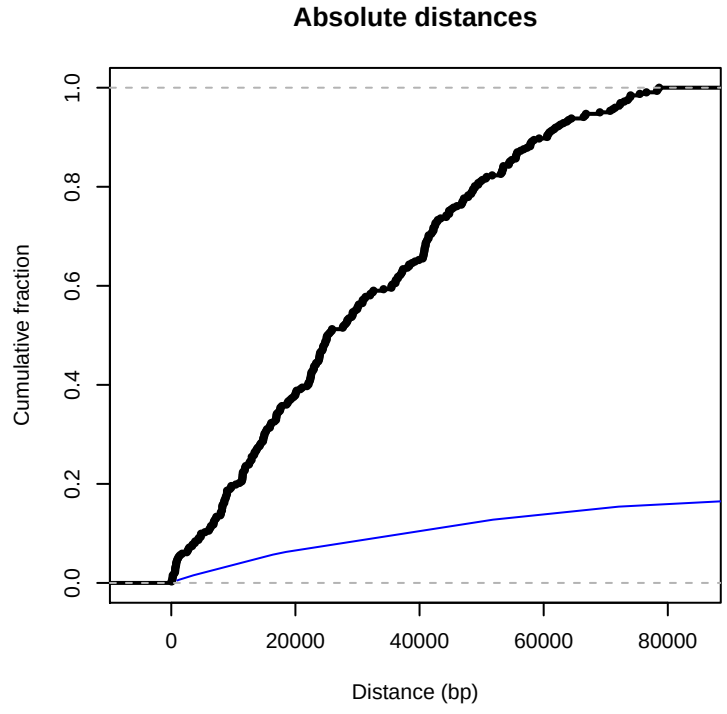
Query population : 354
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.195622
Relative ecdf area correlation : 0.7825
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.033061
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.54015

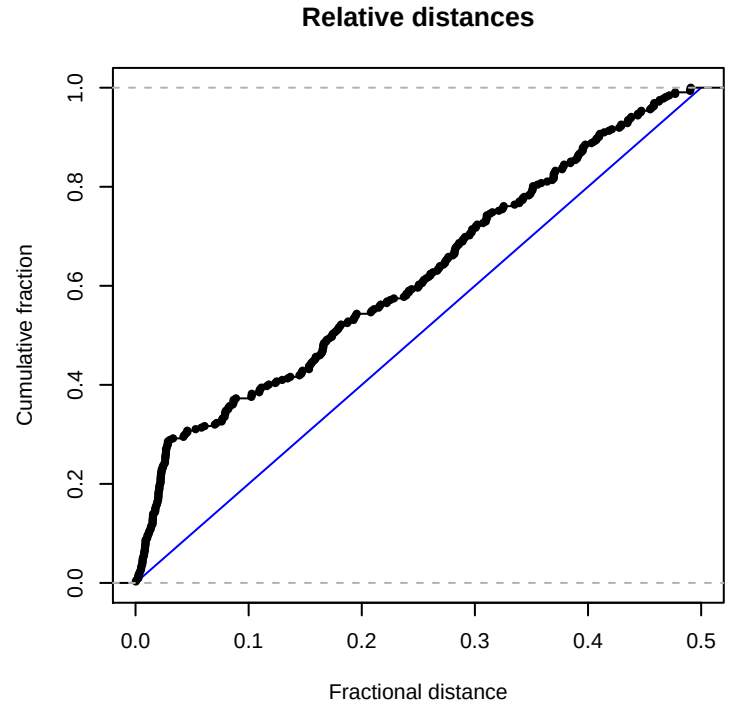




pcontig_073

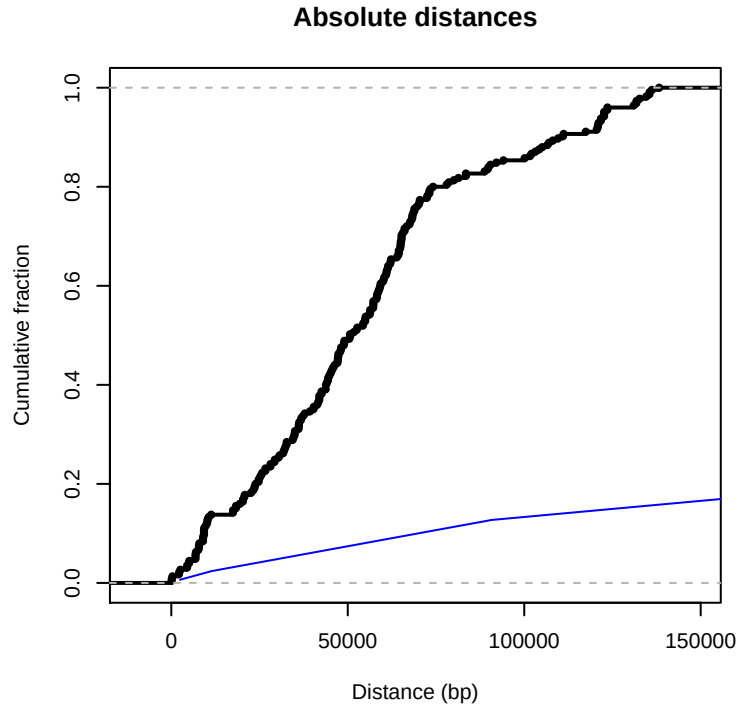
Query population : 322
Reference population : 8
Relative Ks p−value : 5.10703e−15
Relative ecdf deviation area : 0.0570529
Relative ecdf area correlation : 0.228124
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.06849e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.41845

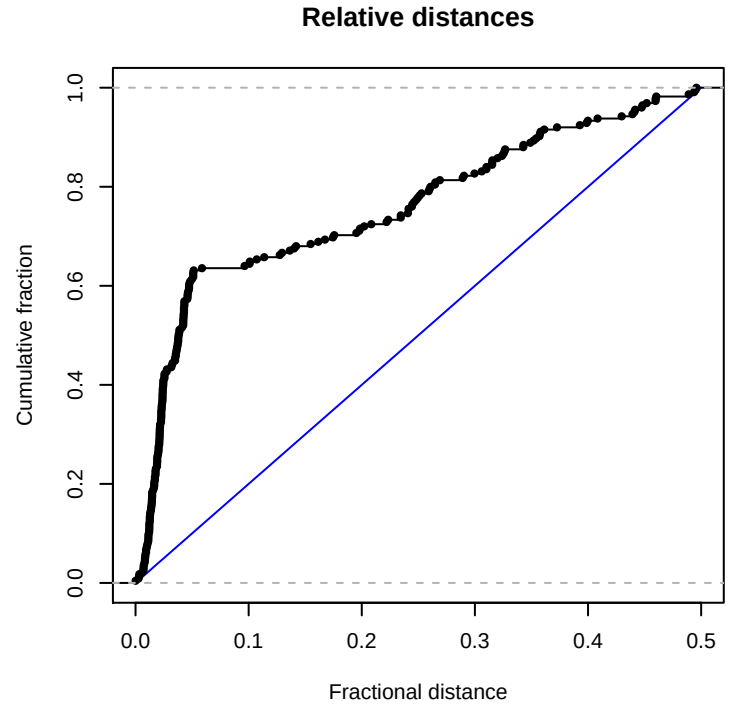




pcontig_074

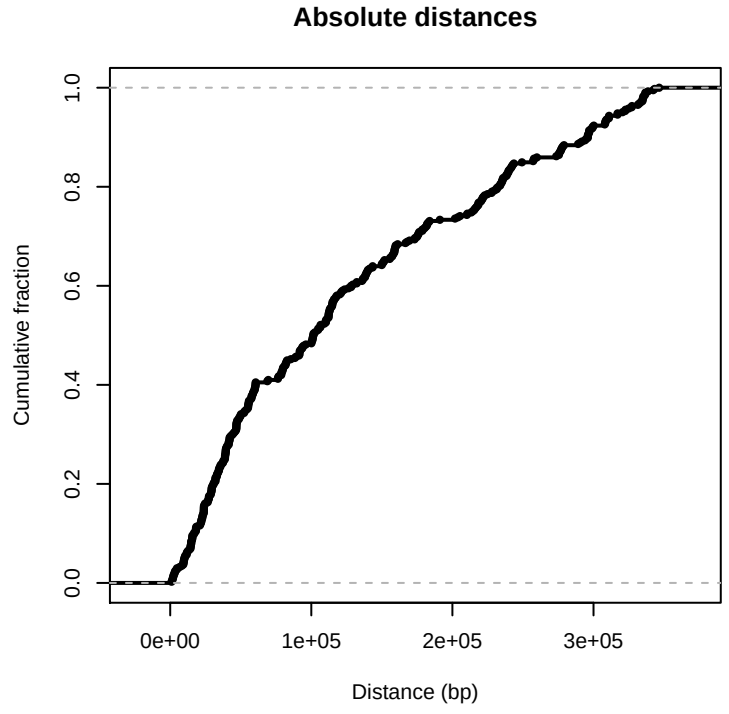
Query population : 225
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.12764
Relative ecdf area correlation : 0.510737
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00114607
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.70567

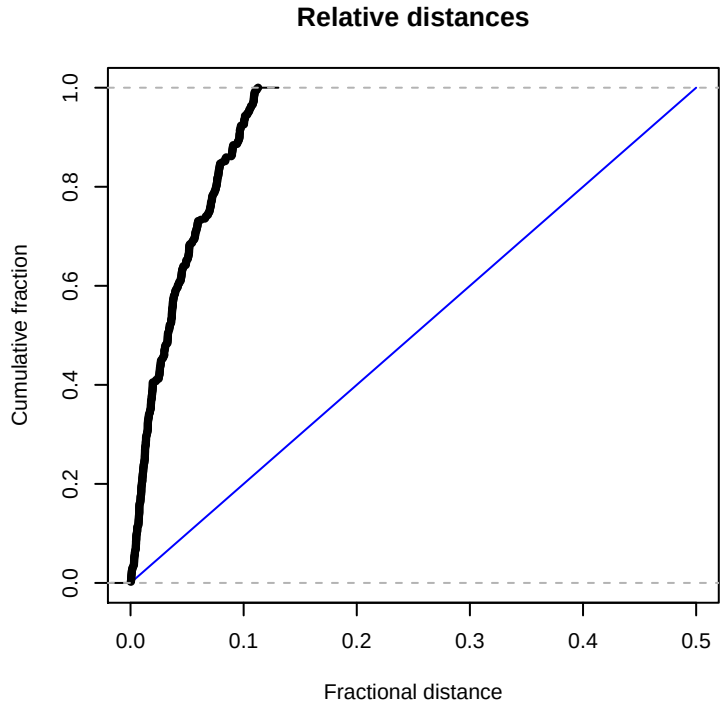




pcontig_075

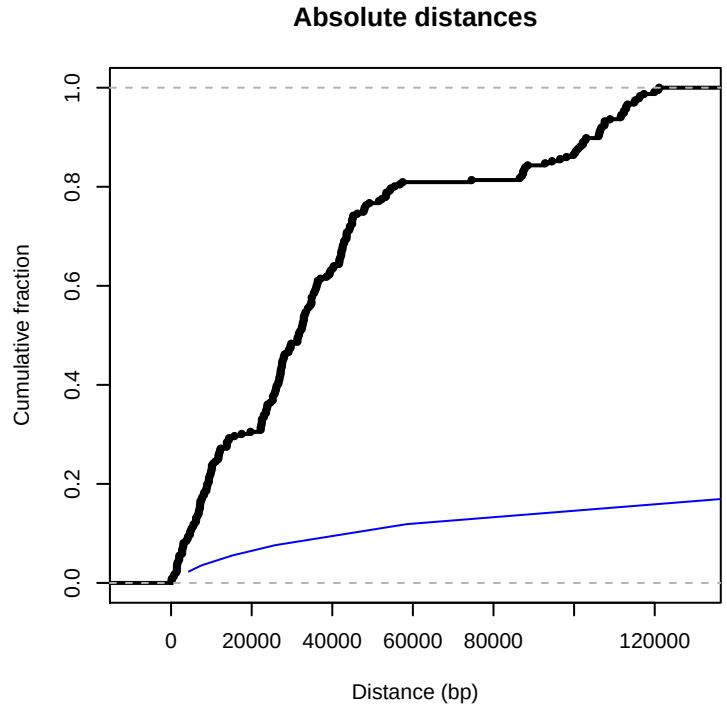
Query population : 405
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.208943
Relative ecdf area correlation : 0.835904
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.100794
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

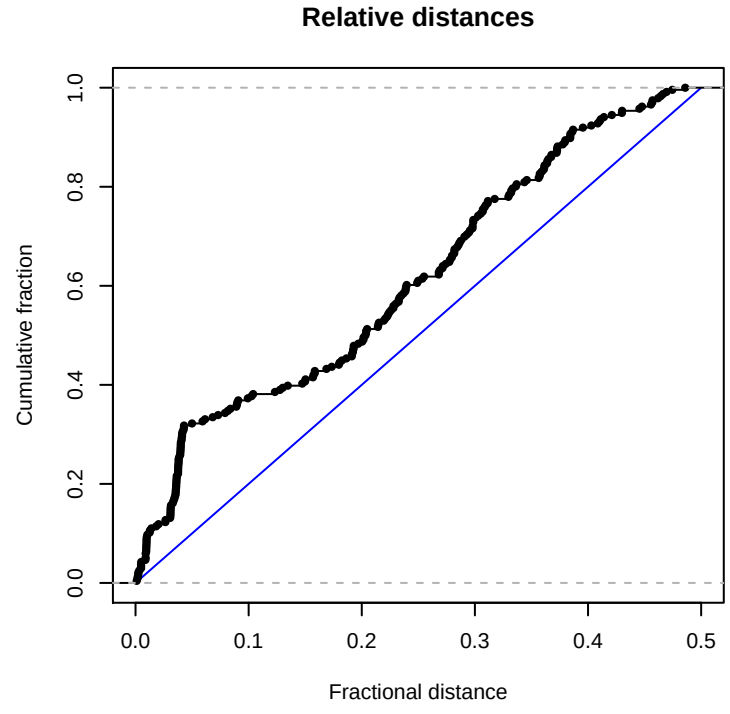




pcontig_077

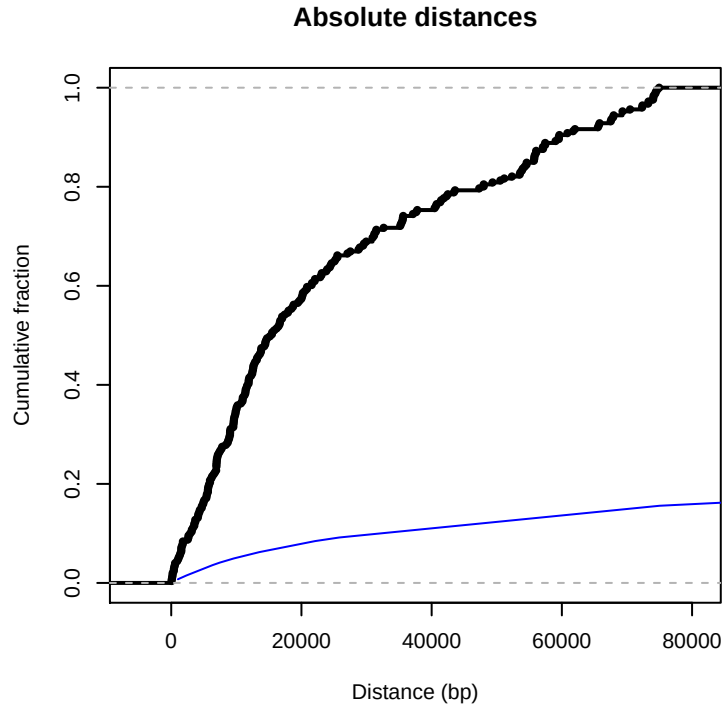
Query population : 236
Reference population : 8
Relative Ks p−value : 1.82649e−11
Relative ecdf deviation area : 0.0555064
Relative ecdf area correlation : 0.222084
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0288201
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.04791

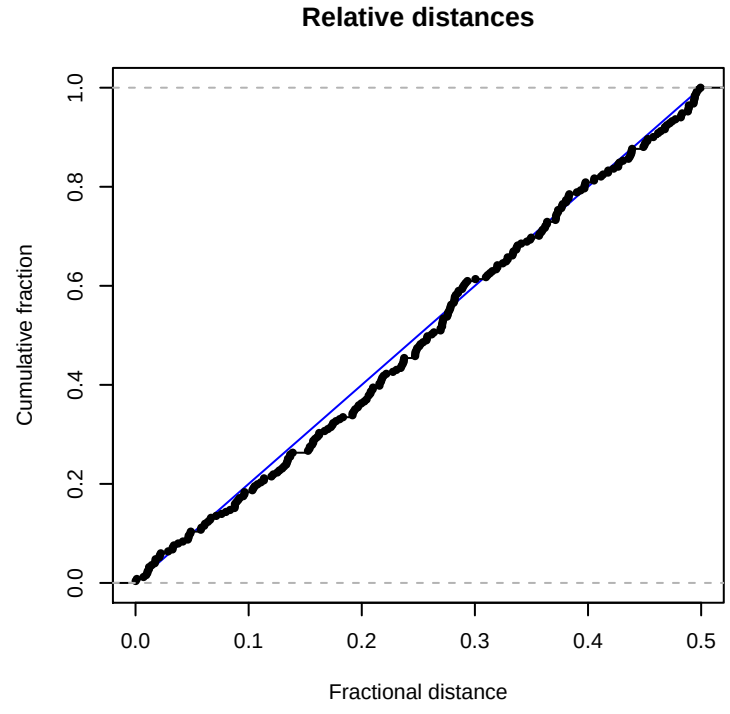




pcontig_078

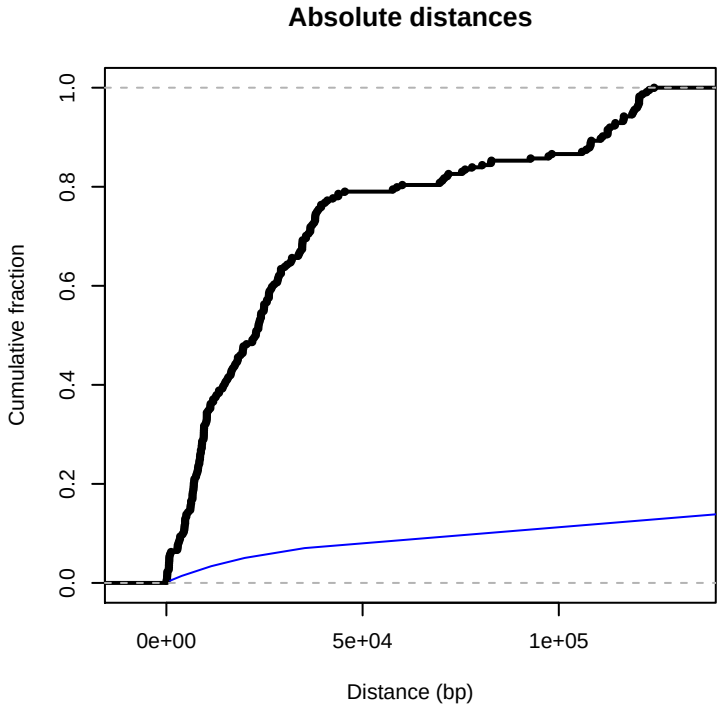
Query population : 251
Reference population : 11
Relative Ks p−value : 0.585141
Relative ecdf deviation area : 0.00777976
Relative ecdf area correlation : −0.0263521
Relative ecdf deviation area p−value : 0.61
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.93709e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.7119

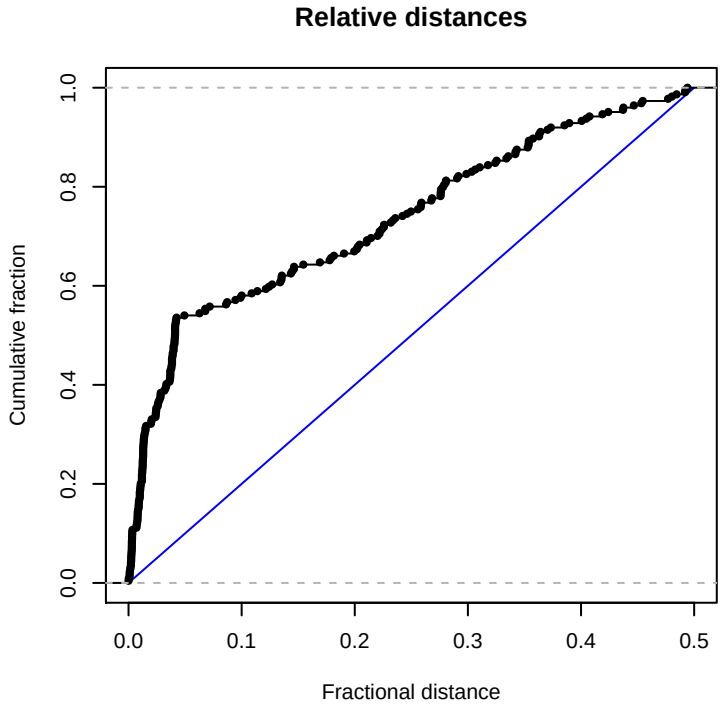




pcontig_080

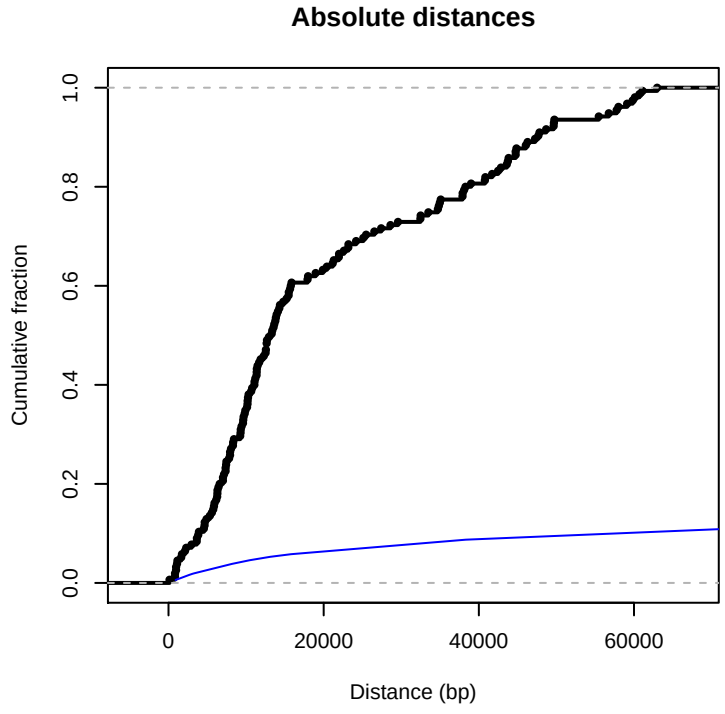
Query population : 224
Reference population : 7
Relative Ks p−value : 0
Relative ecdf deviation area : 0.116481
Relative ecdf area correlation : 0.466279
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.88978e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 17.3297

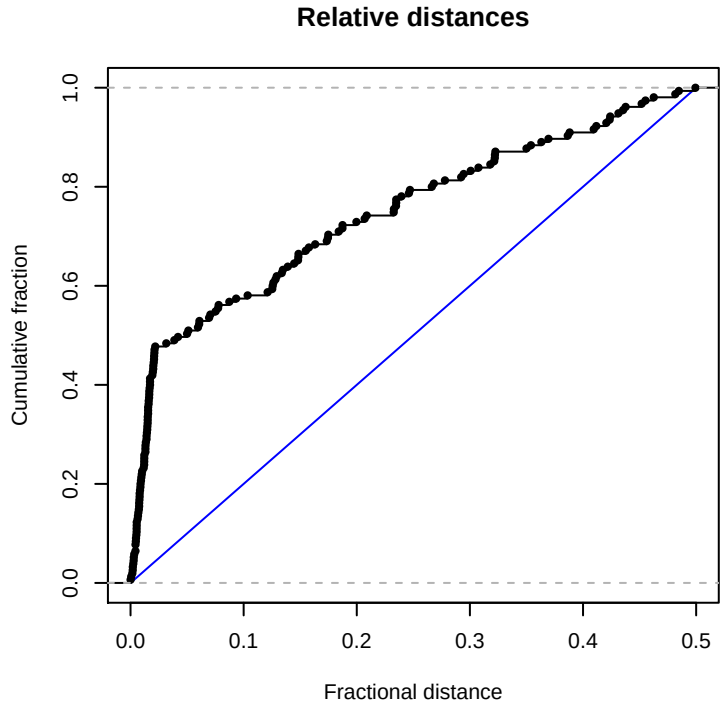




pcontig_081

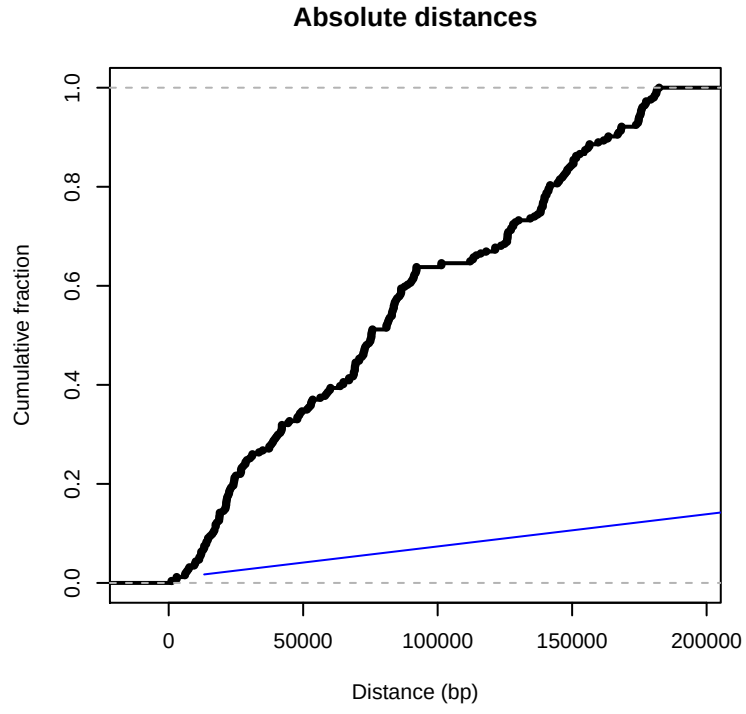
Query population : 155
Reference population : 10
Relative Ks p−value : 0
Relative ecdf deviation area : 0.122484
Relative ecdf area correlation : 0.489987
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0748012
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.22928

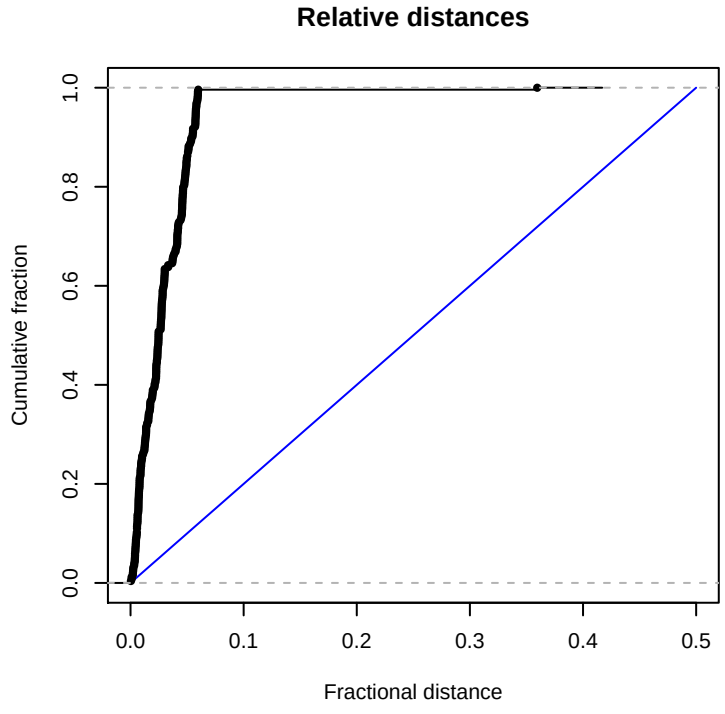




pcontig_082

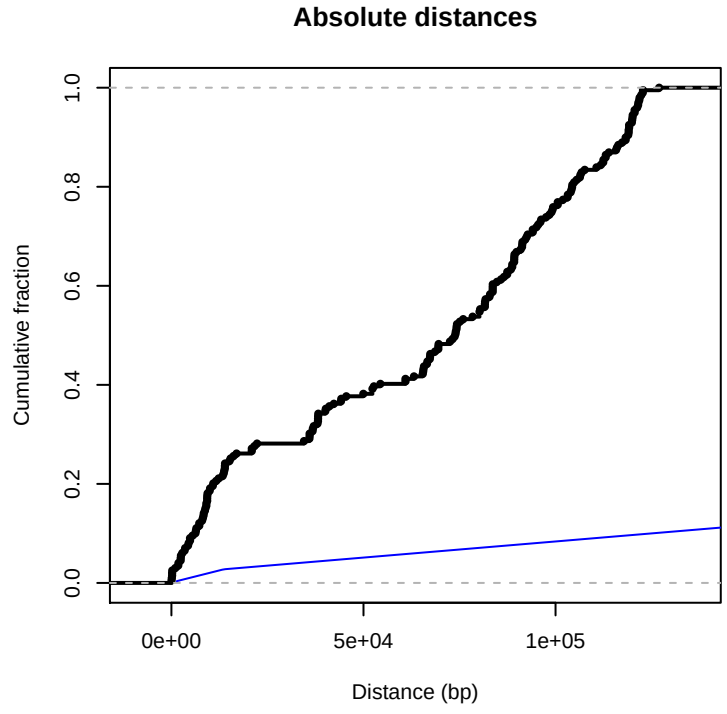
Query population : 254
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.22094
Relative ecdf area correlation : 0.88436
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.39
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.144887
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

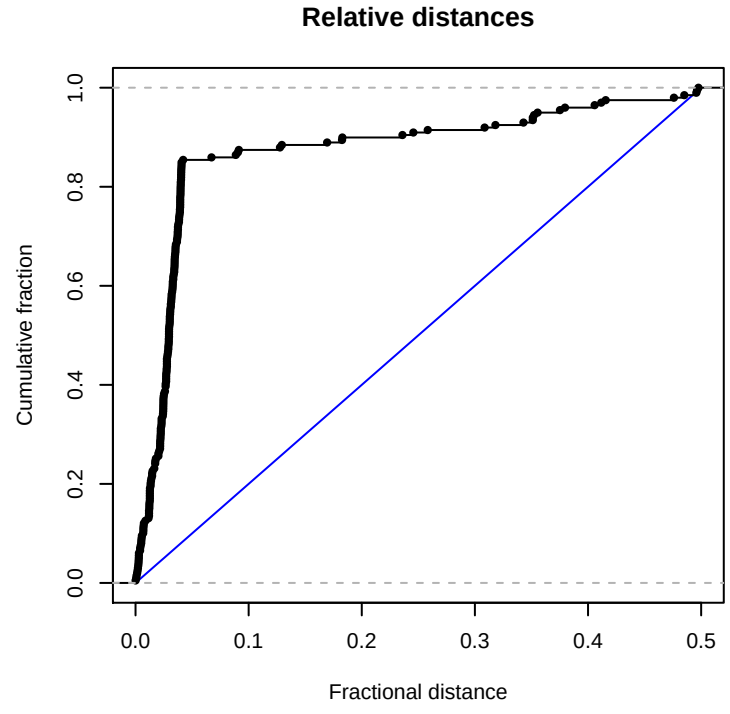




pcontig_083

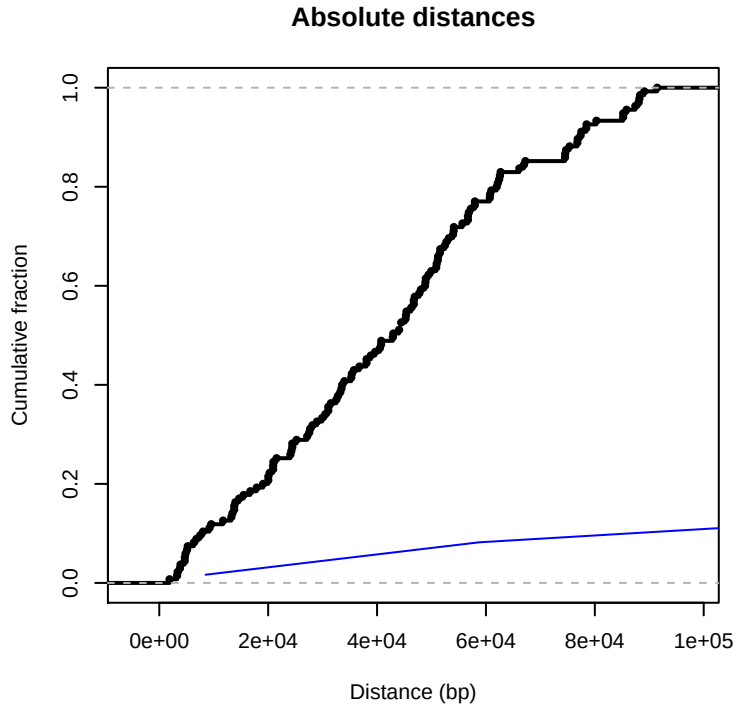
Query population : 199
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.185163
Relative ecdf area correlation : 0.740526
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.62796e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.4964

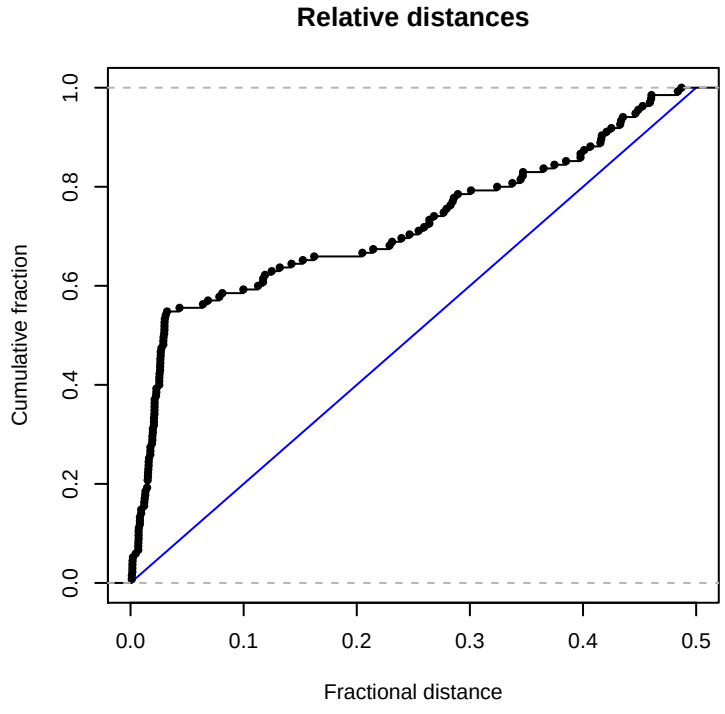




pcontig_084

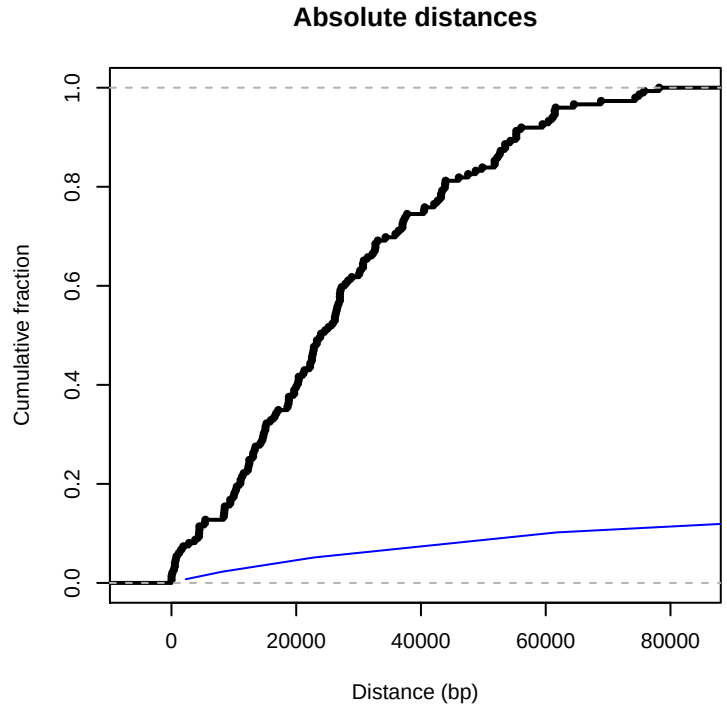
Query population : 135
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.108615
Relative ecdf area correlation : 0.434073
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.29
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.168234
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

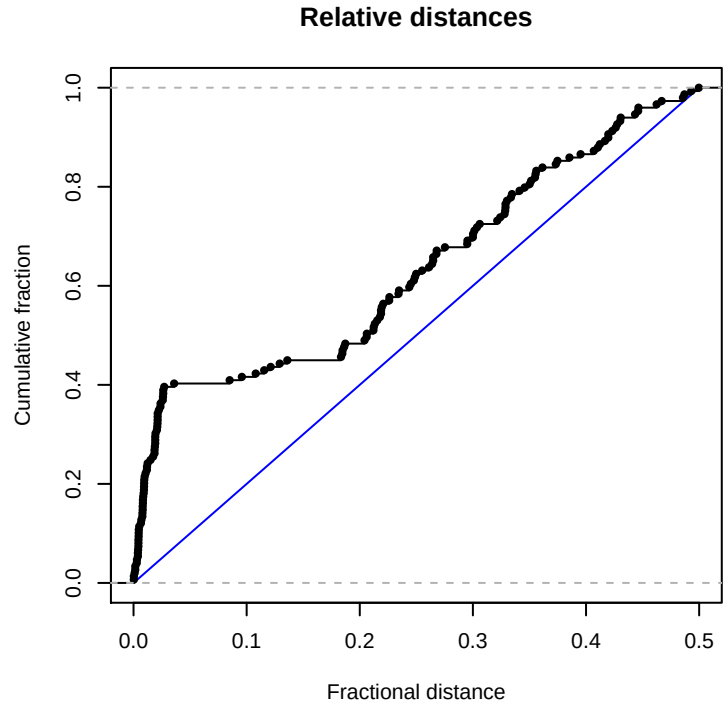




pcontig_086

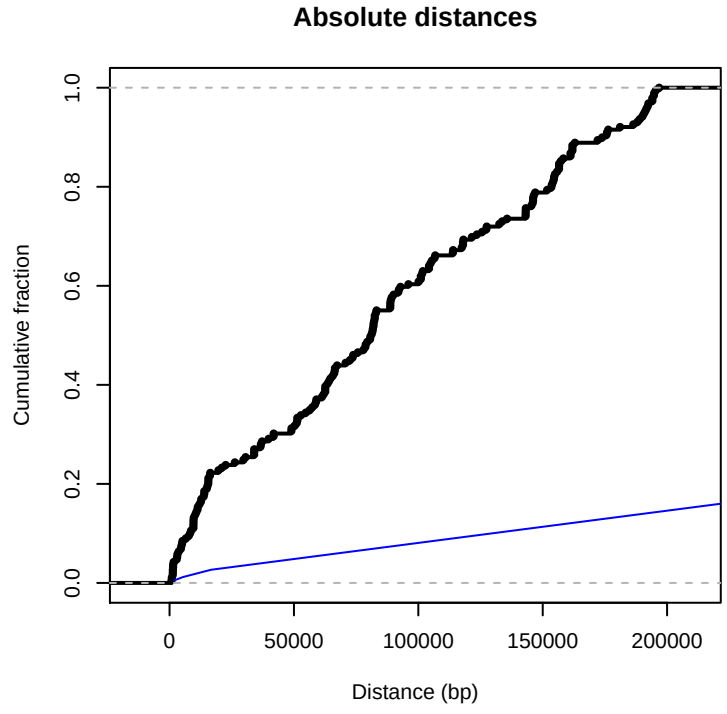
Query population : 149
Reference population : 5
Relative Ks p−value : 1.55431e−15
Relative ecdf deviation area : 0.0649679
Relative ecdf area correlation : 0.259739
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.55349e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 22.3196

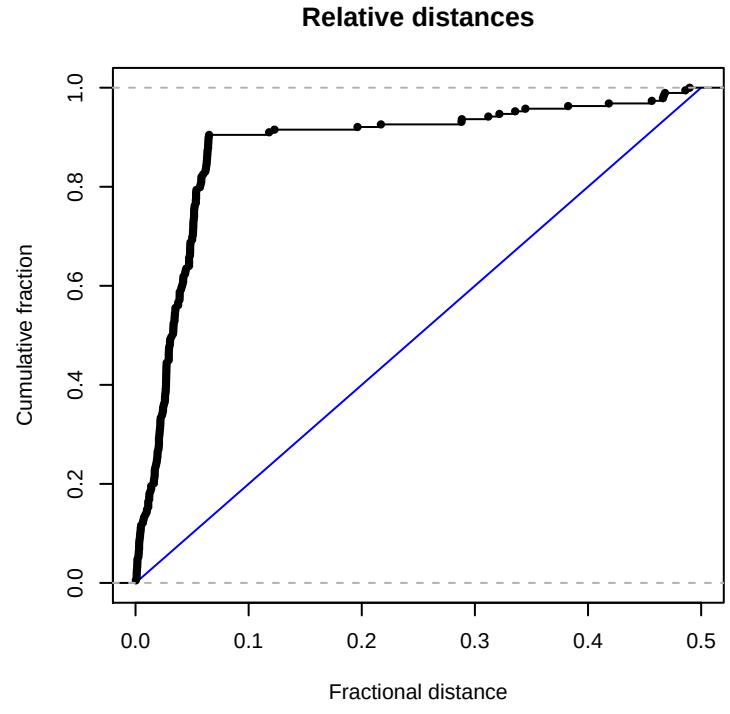




pcontig_087

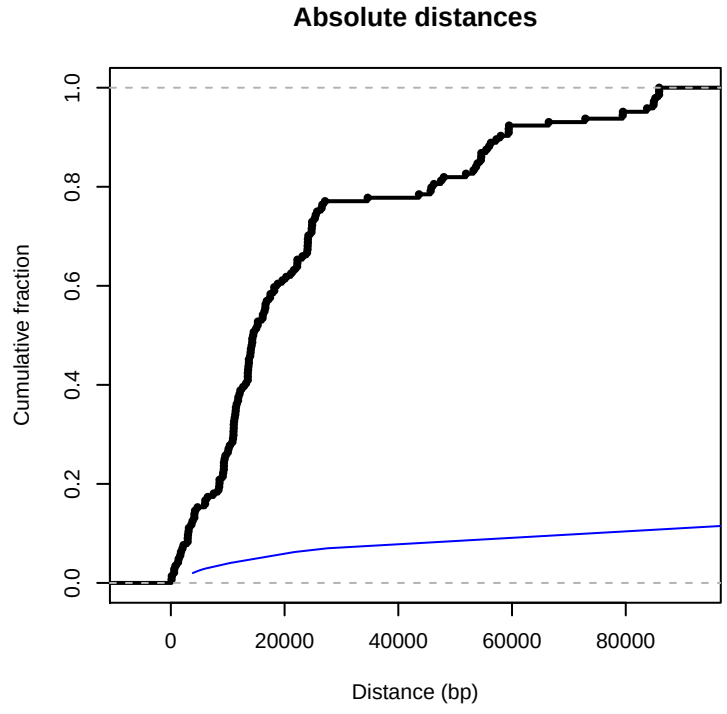
Query population : 189
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.188884
Relative ecdf area correlation : 0.755253
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.47
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.171074
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

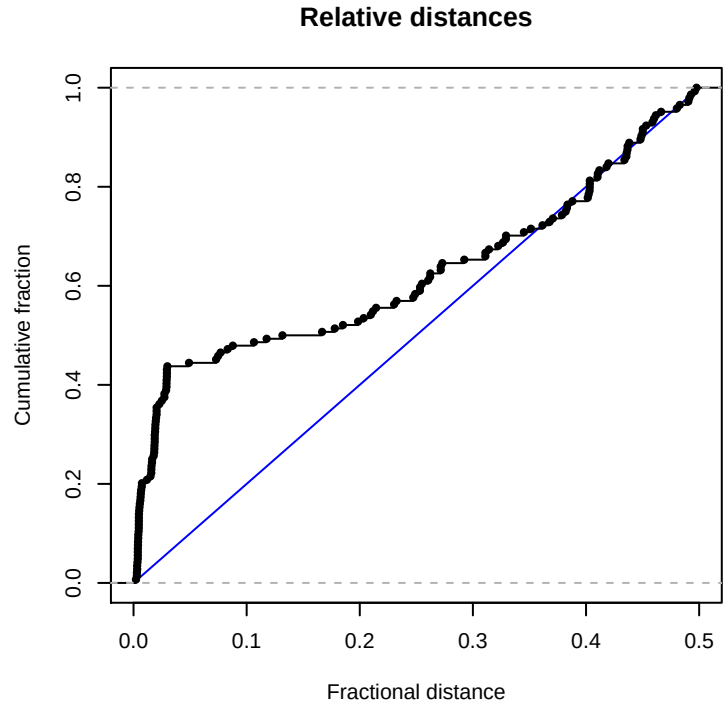




pcontig_088

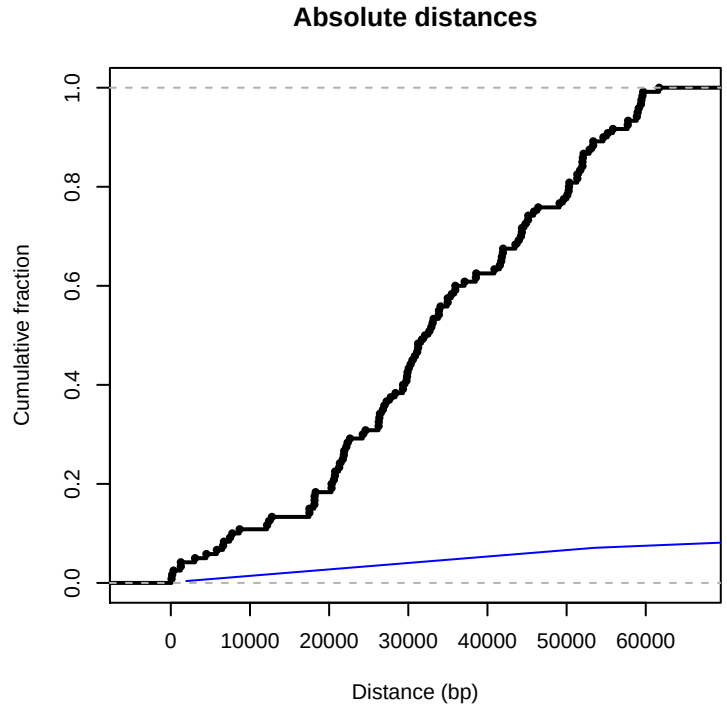
Query population : 144
Reference population : 8
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0612272
Relative ecdf area correlation : 0.237882
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.81834e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.29001

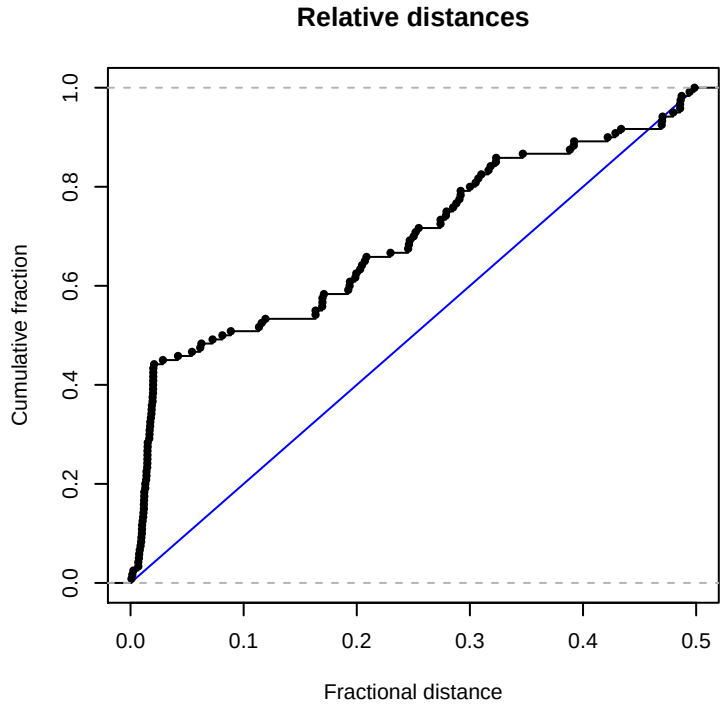




pcontig_089

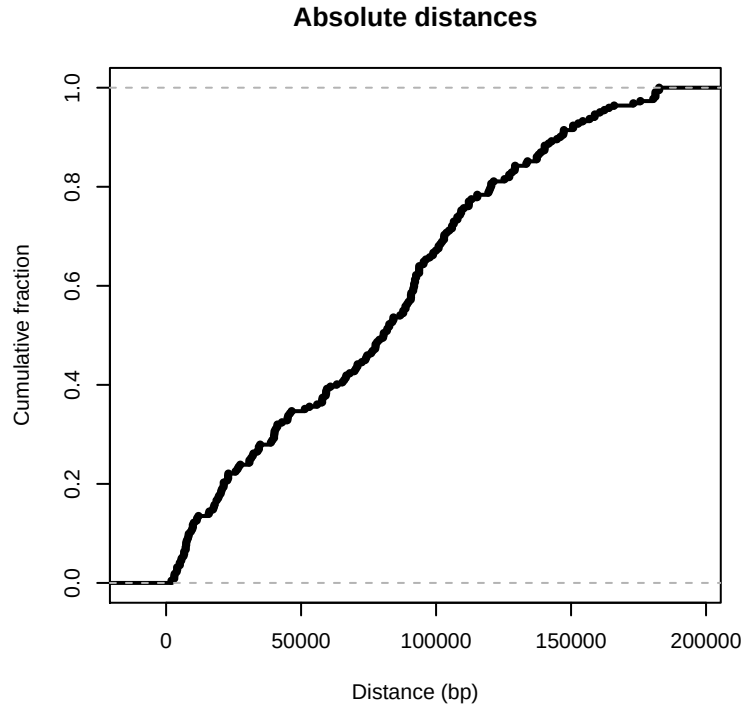
Query population : 120
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0938322
Relative ecdf area correlation : 0.373759
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000175069
Projection test lower tail : FALSE
Projection test observed to expected ratio : 19.0177

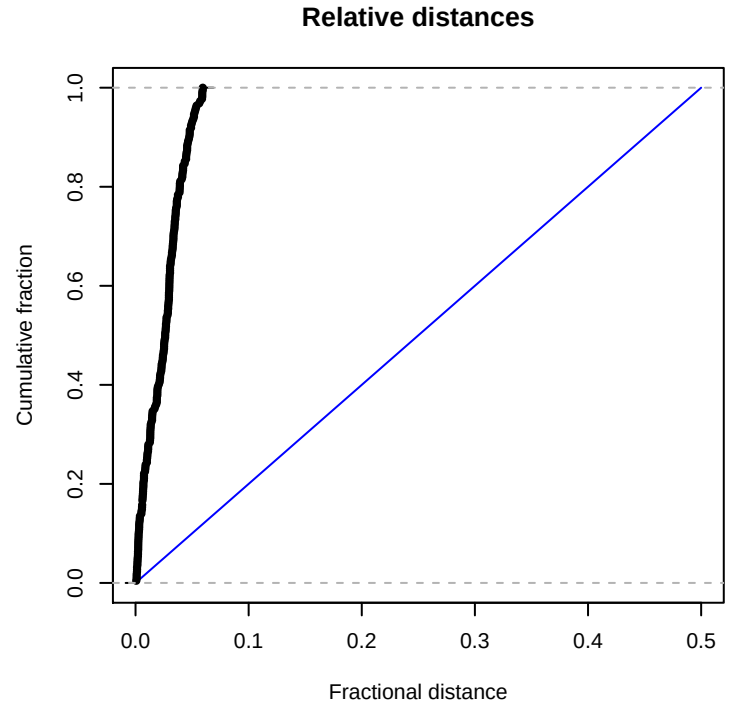




pcontig_090

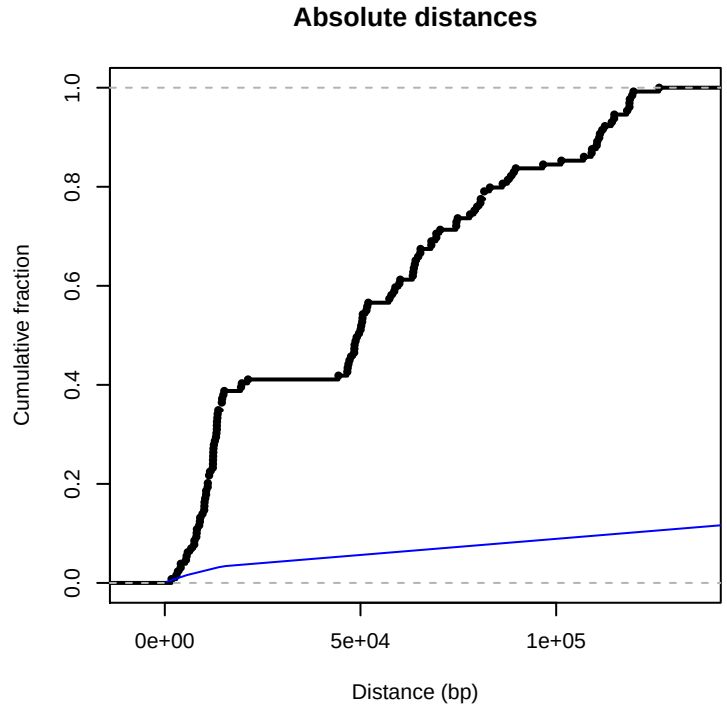
Query population : 222
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.225185
Relative ecdf area correlation : 0.899756
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.17
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0321996
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

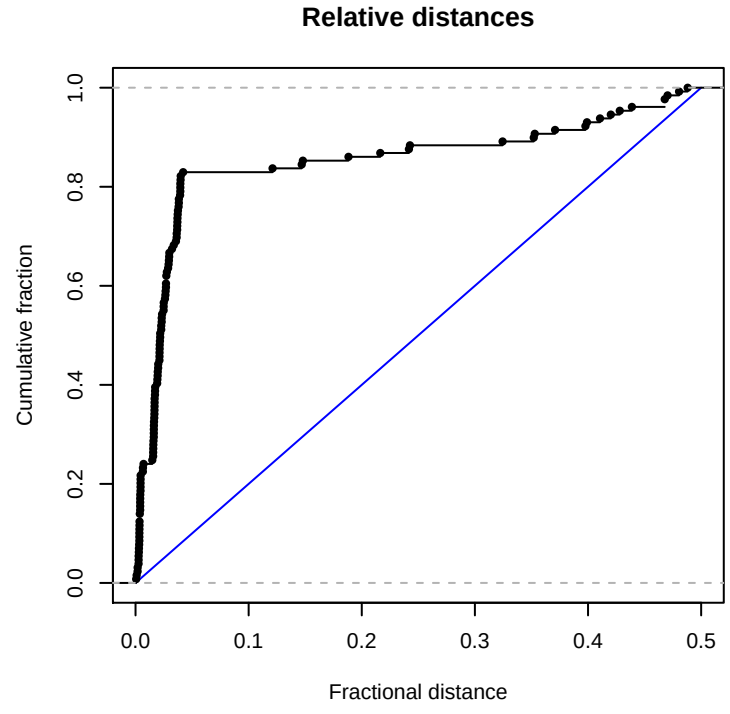




pcontig_091

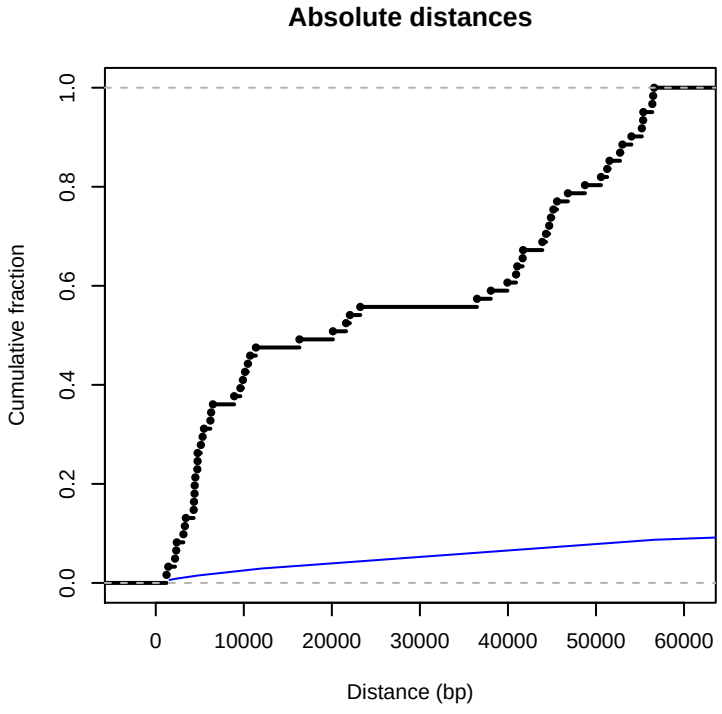
Query population : 129
Reference population : 6
Relative Ks p−value : 0
Relative ecdf deviation area : 0.174648
Relative ecdf area correlation : 0.700887
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.37
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.144592
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

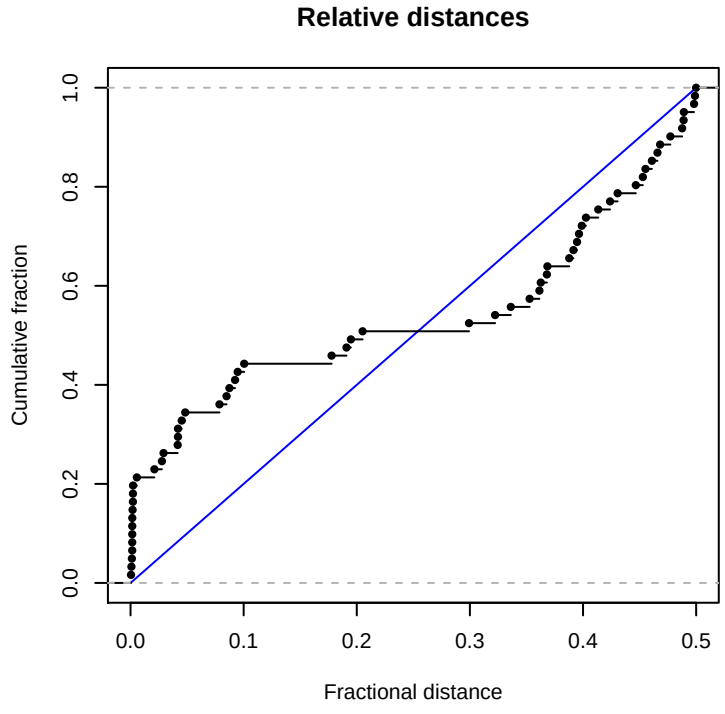




pcontig_092

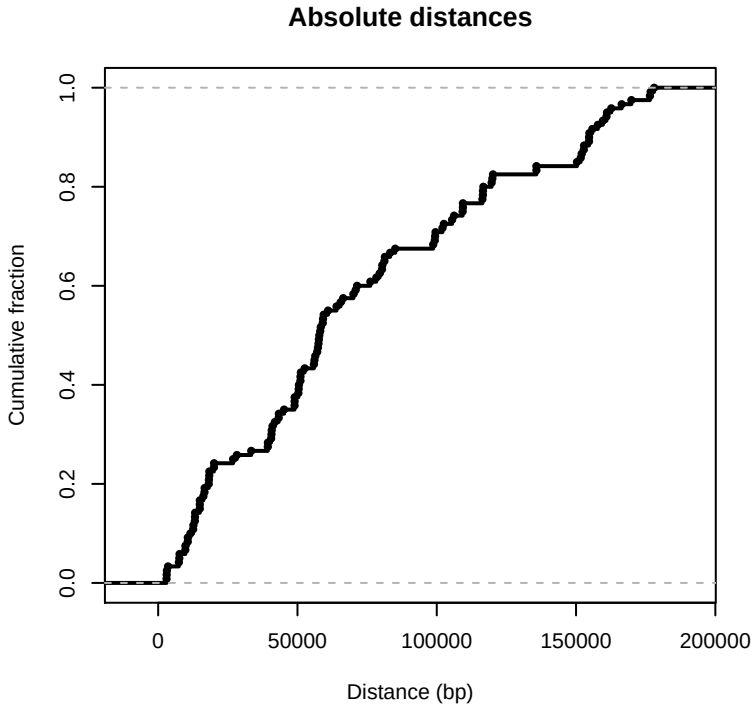
Query population : 61
Reference population : 6
Relative Ks p−value : 0.000888446
Relative ecdf deviation area : 0.0590967
Relative ecdf area correlation : 0.0669749
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.33
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.136049
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

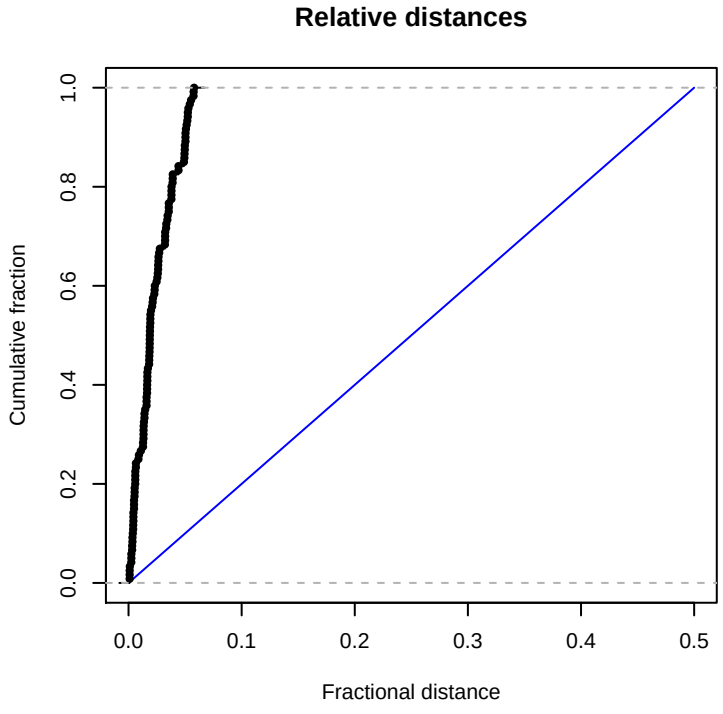




pcontig_095

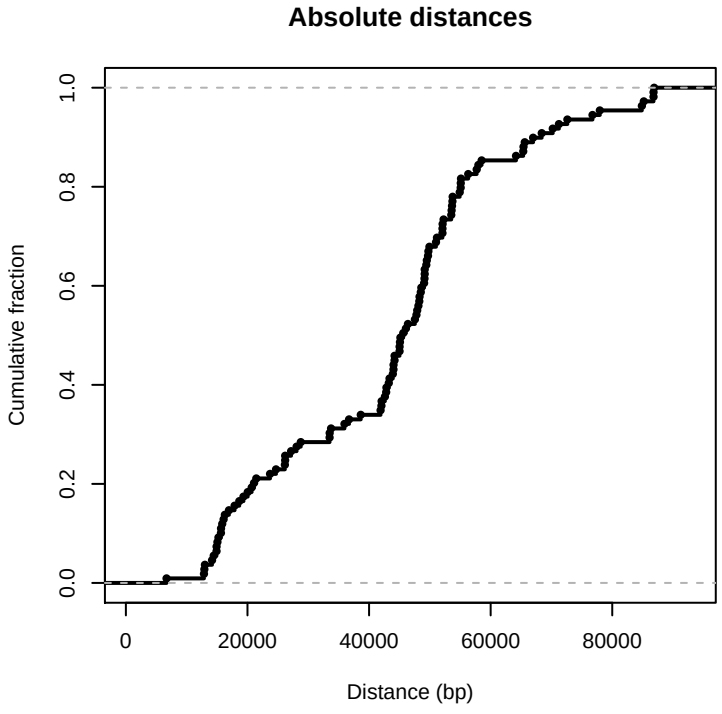
Query population : 120
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.226678
Relative ecdf area correlation : 0.906693
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0559125
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

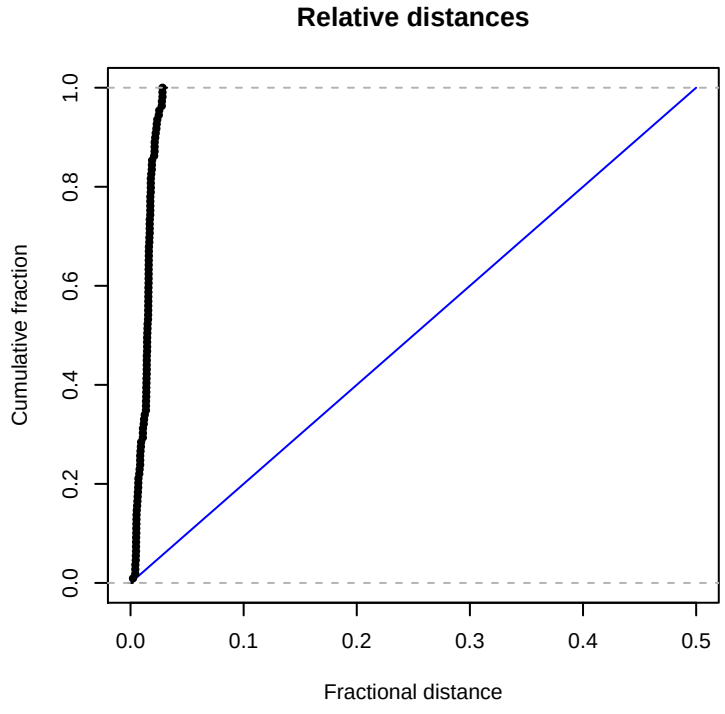




pcontig_097

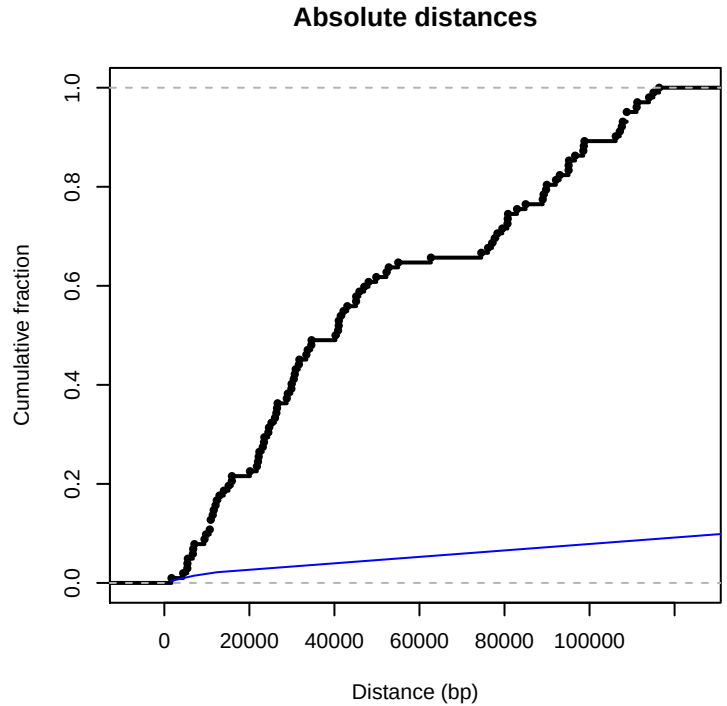
Query population : 109
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.236049
Relative ecdf area correlation : 0.94355
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0136346
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

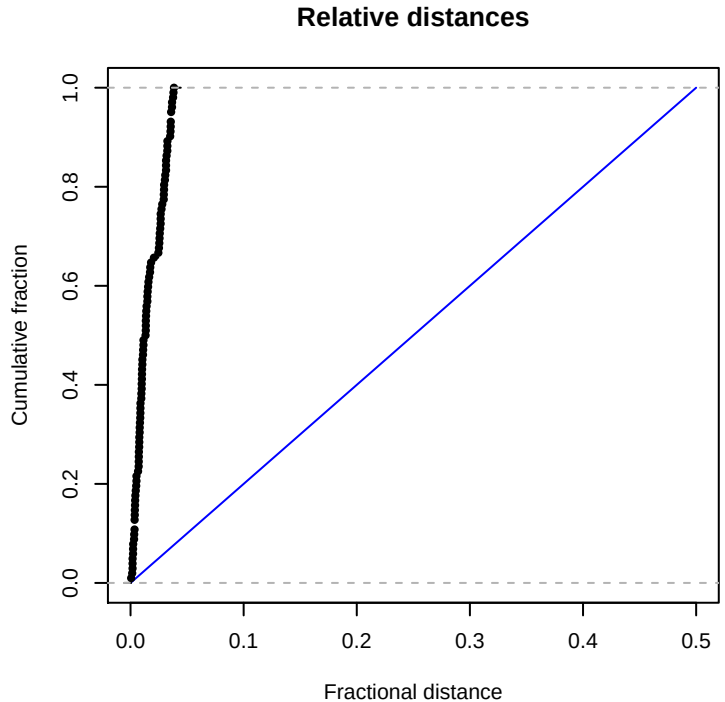




pcontig_100

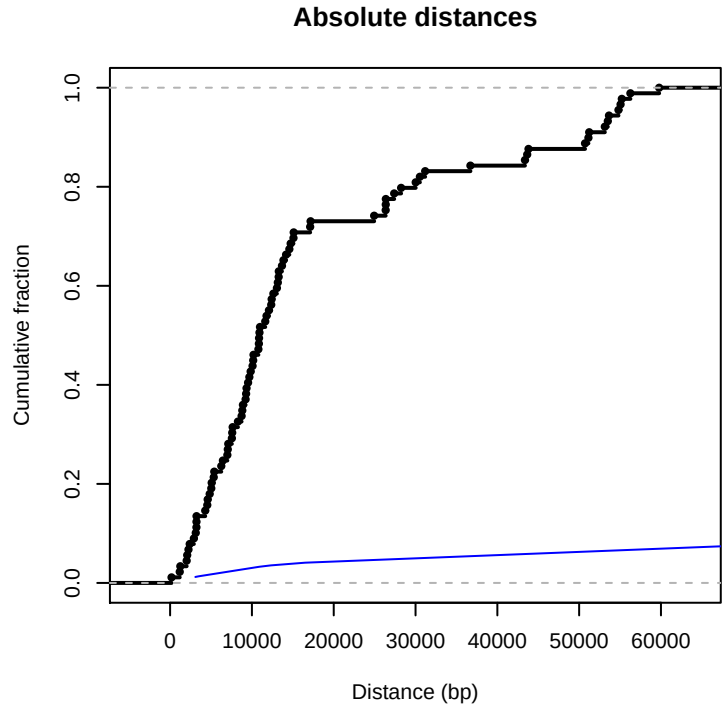
Query population : 102
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.233501
Relative ecdf area correlation : 0.934207
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.33
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.138702
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

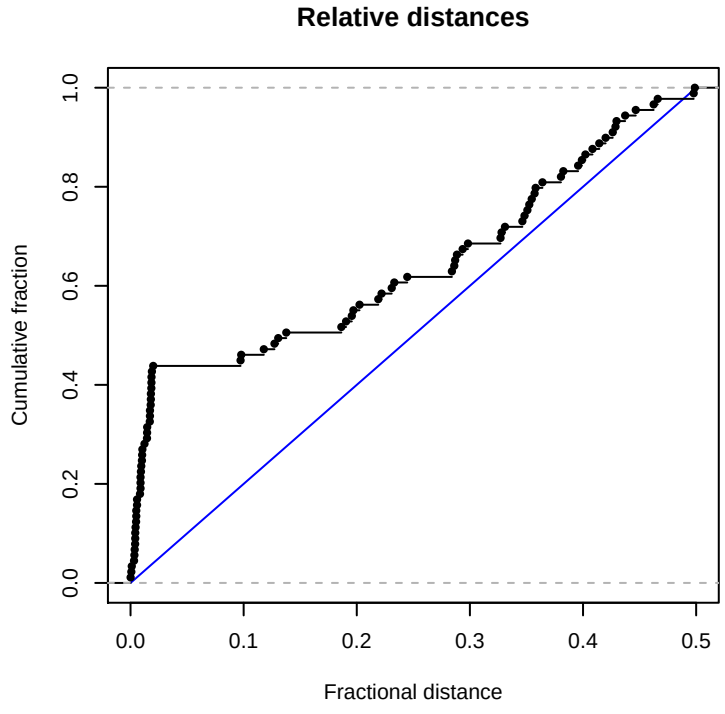




pcontig_103

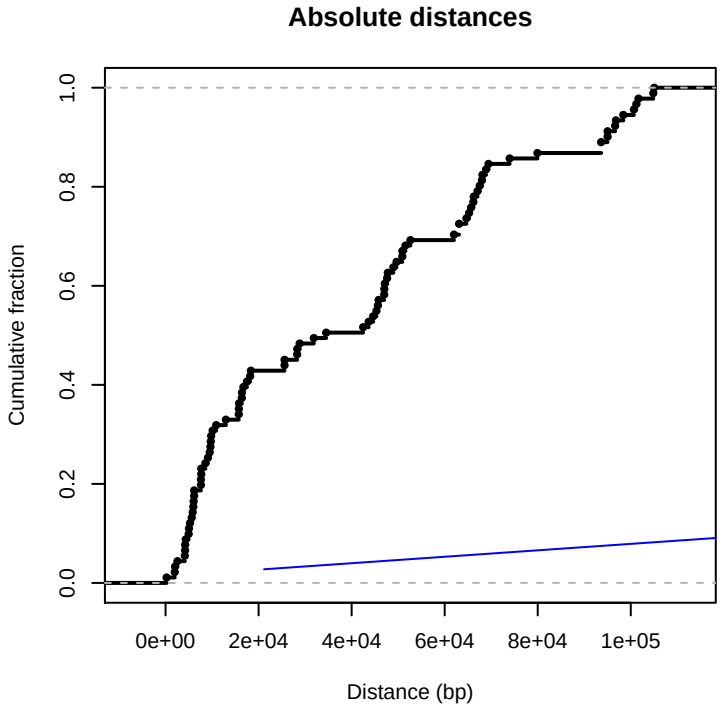
Query population : 89
Reference population : 6
Relative Ks p−value : 3.09419e−13
Relative ecdf deviation area : 0.0685309
Relative ecdf area correlation : 0.277429
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00875239
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.18408

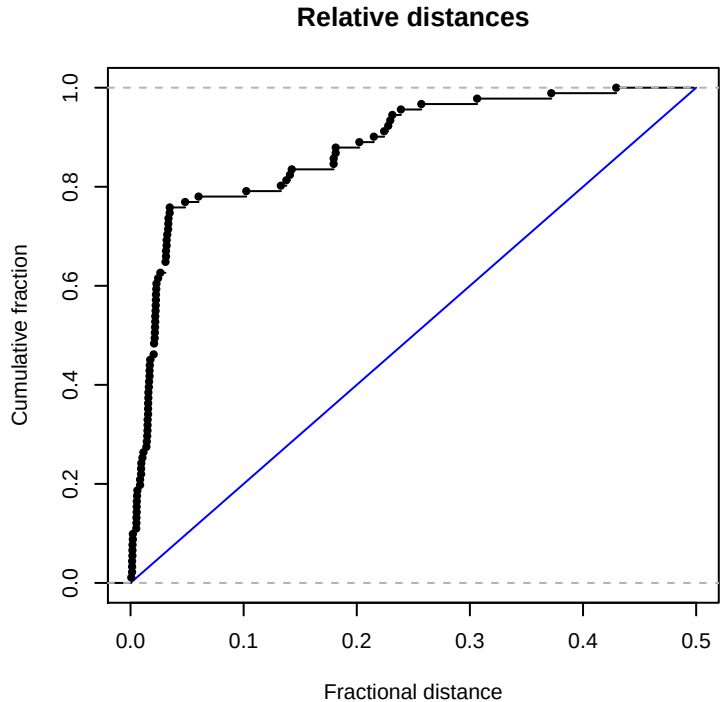




pcontig_104

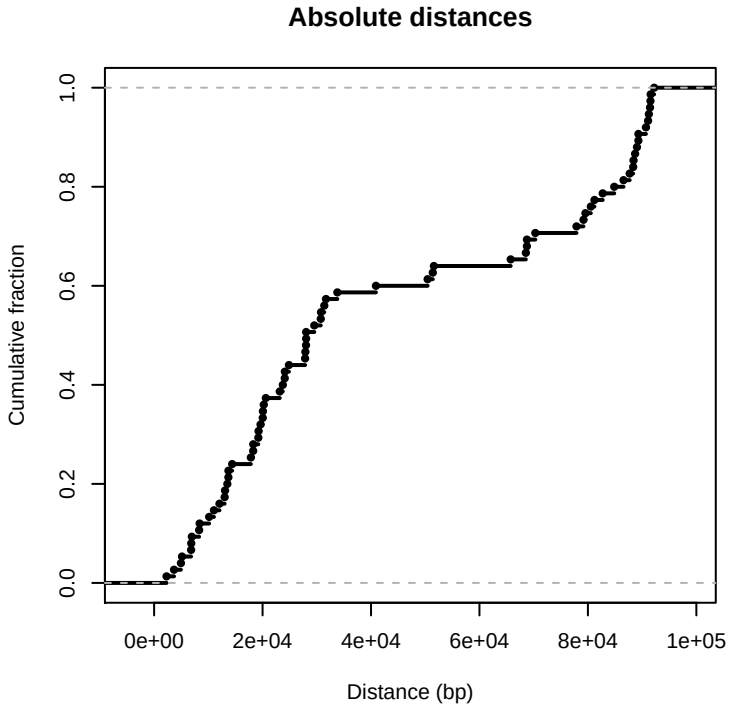
Query population : 91
Reference population : 2
Relative Ks p−value : 3.33067e−16
Relative ecdf deviation area : 0.188933
Relative ecdf area correlation : 0.755675
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000821547
Projection test lower tail : FALSE
Projection test observed to expected ratio : 24.2063

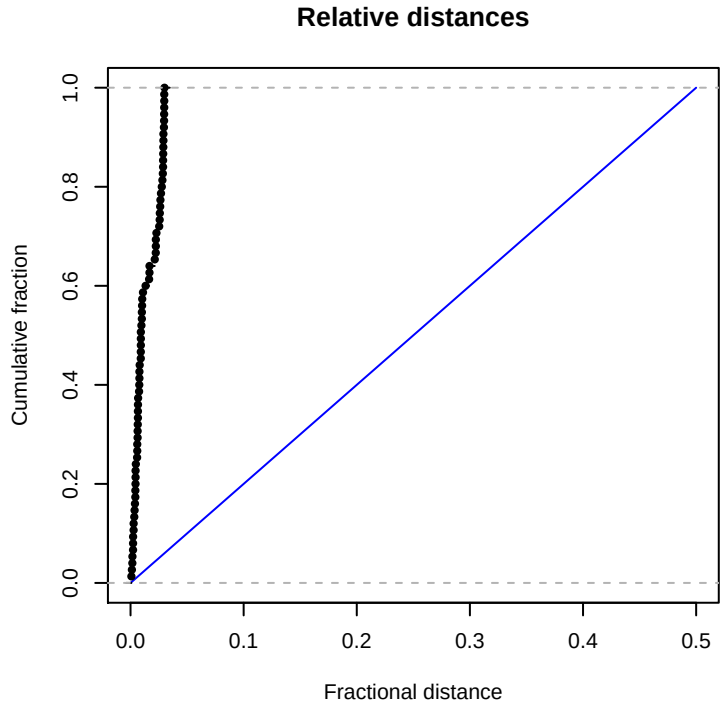




pcontig_106

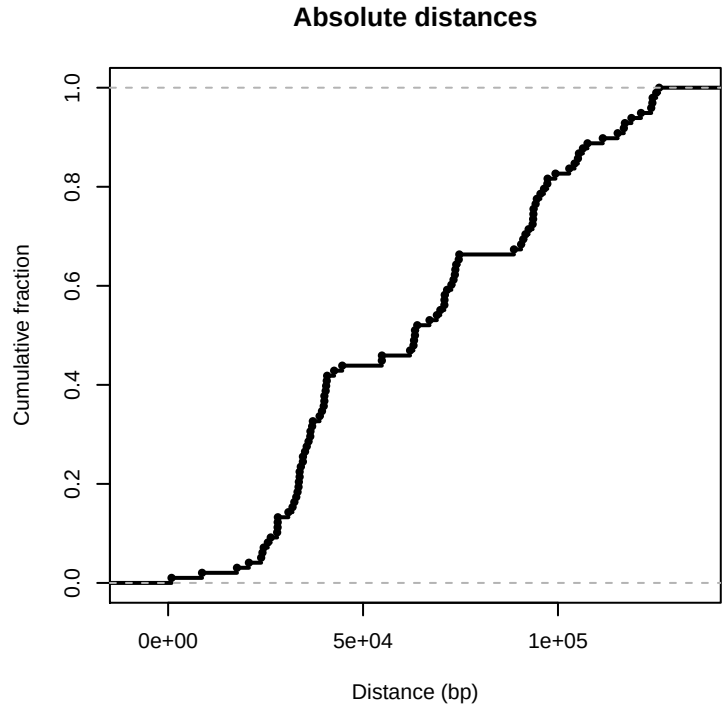
Query population : 75
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.235941
Relative ecdf area correlation : 0.94344
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.11
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.057791
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

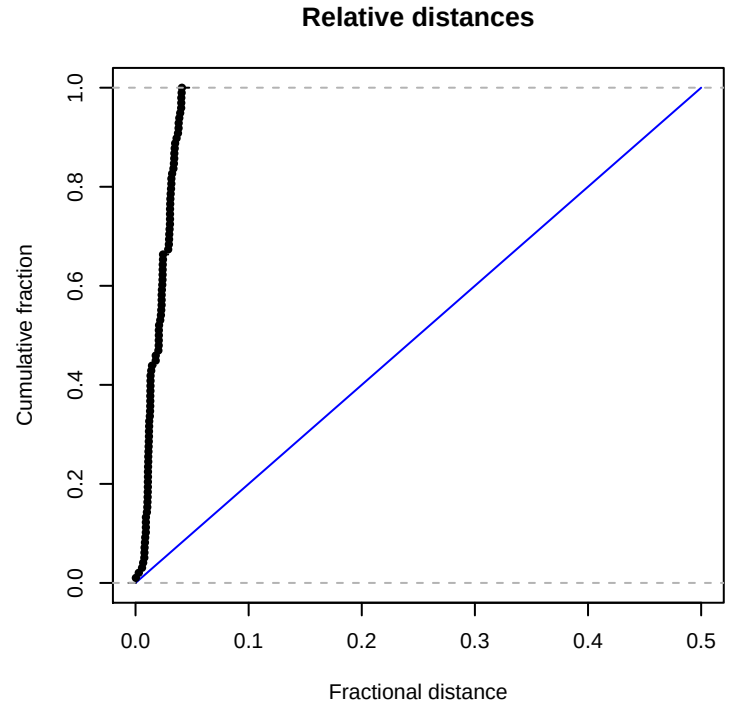




pcontig_112

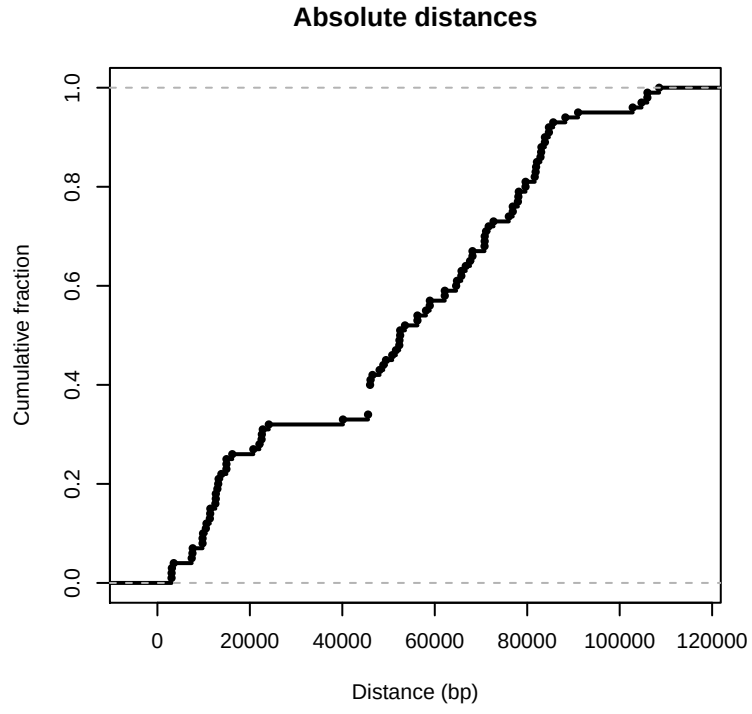
Query population : 98
Reference population : 1
Relative Ks p−value : 4.44089e−16
Relative ecdf deviation area : 0.229021
Relative ecdf area correlation : 0.915789
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.09
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.011353
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

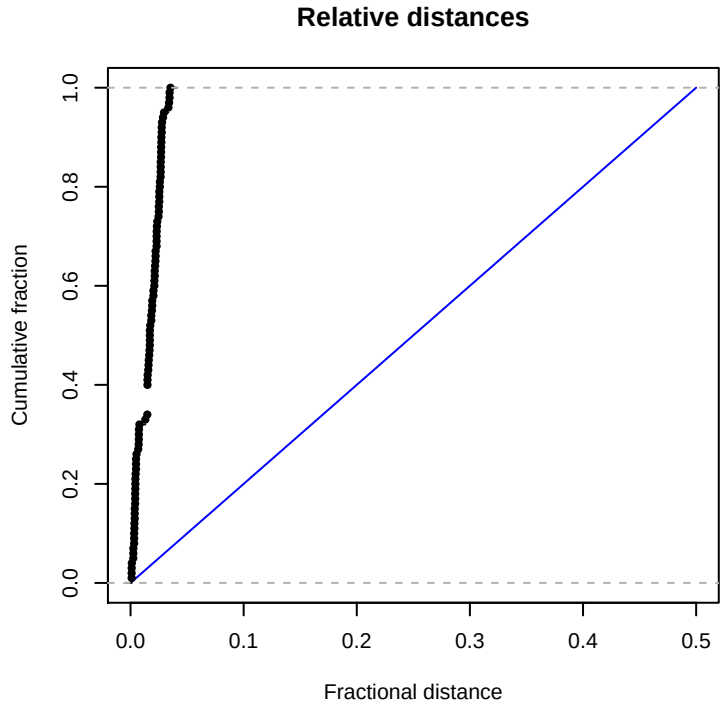




pcontig_115

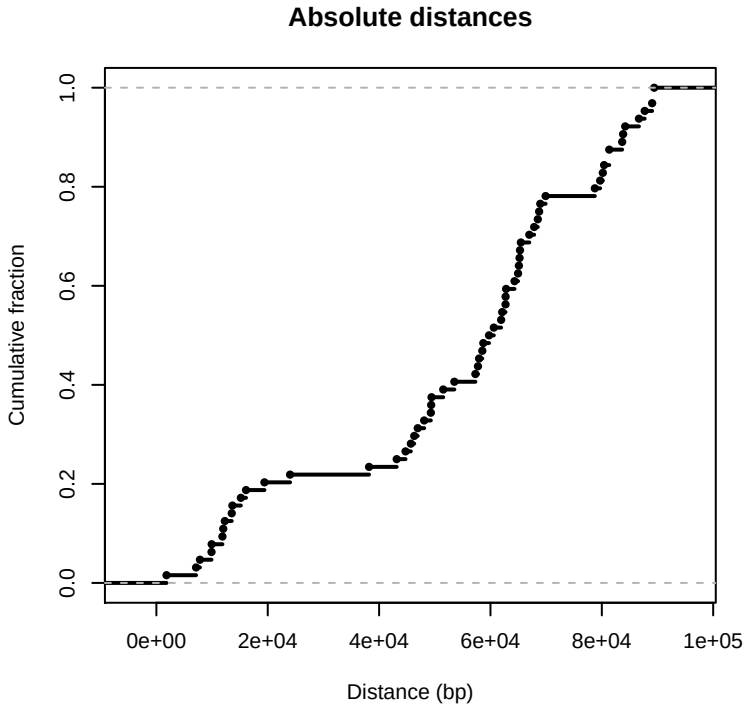
Query population : 100
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.233812
Relative ecdf area correlation : 0.933933
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.1
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0467537
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

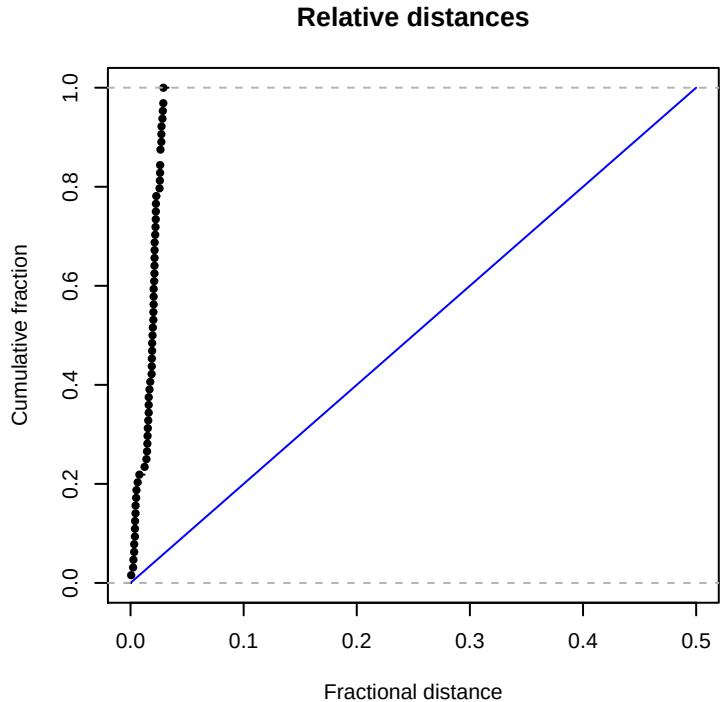




pcontig_120

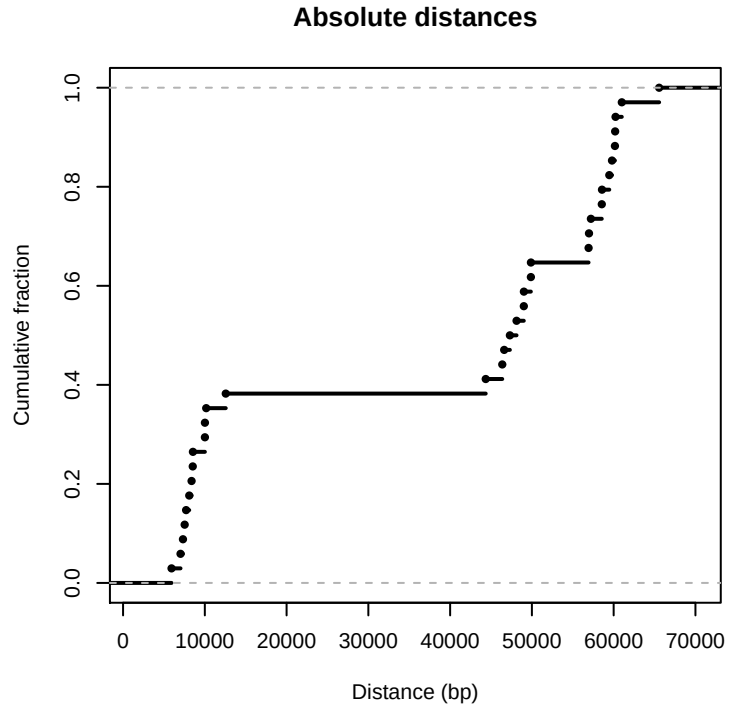
Query population : 64
Reference population : 1
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.232548
Relative ecdf area correlation : 0.930018
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0164236
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

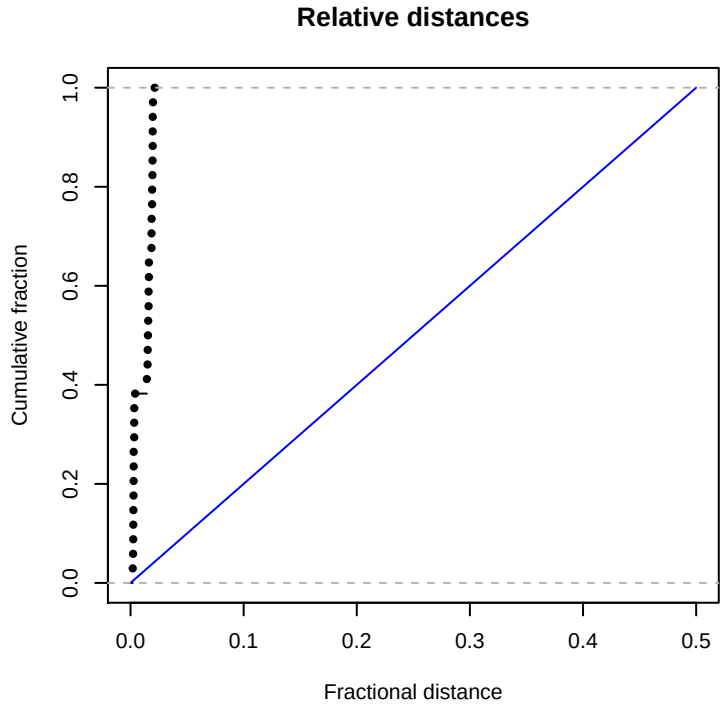




pcontig_129

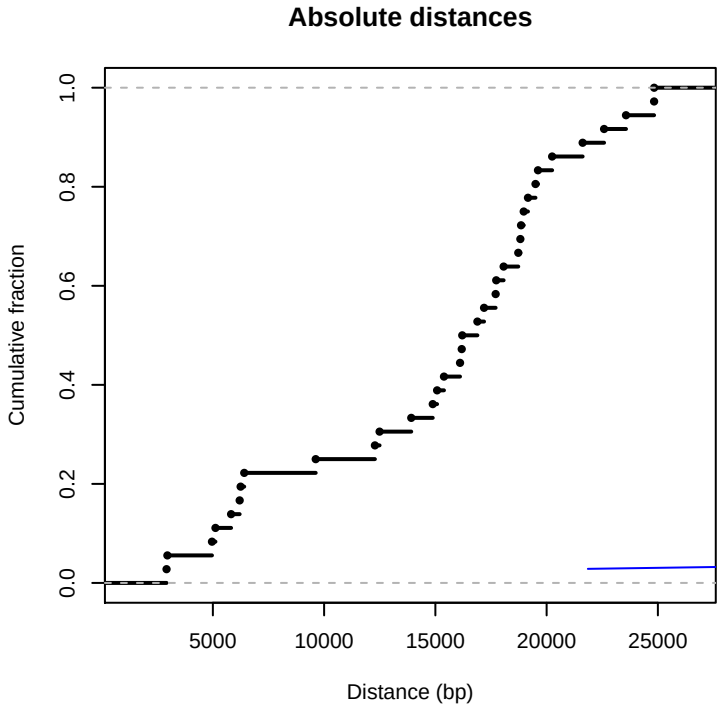
Query population : 34
Reference population : 1
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.237979
Relative ecdf area correlation : 0.951874
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.027401
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

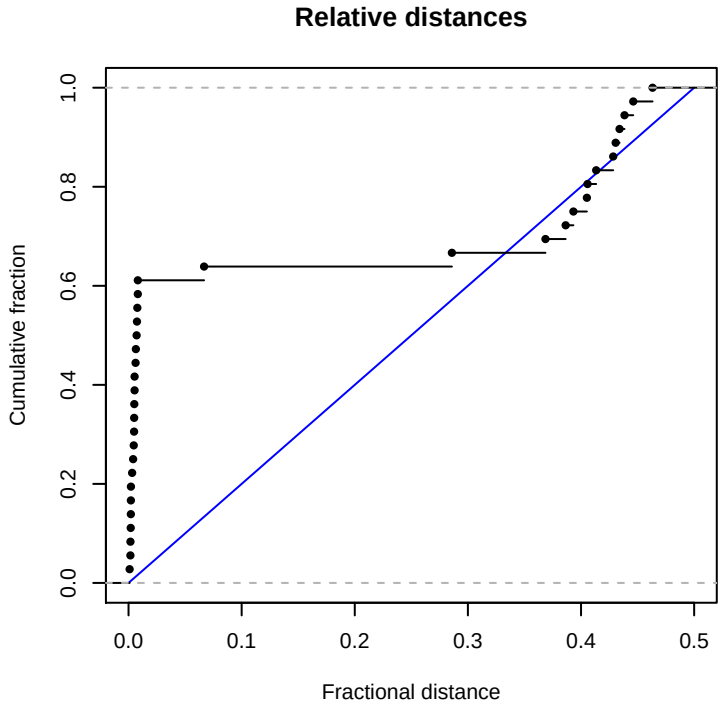




pcontig_130

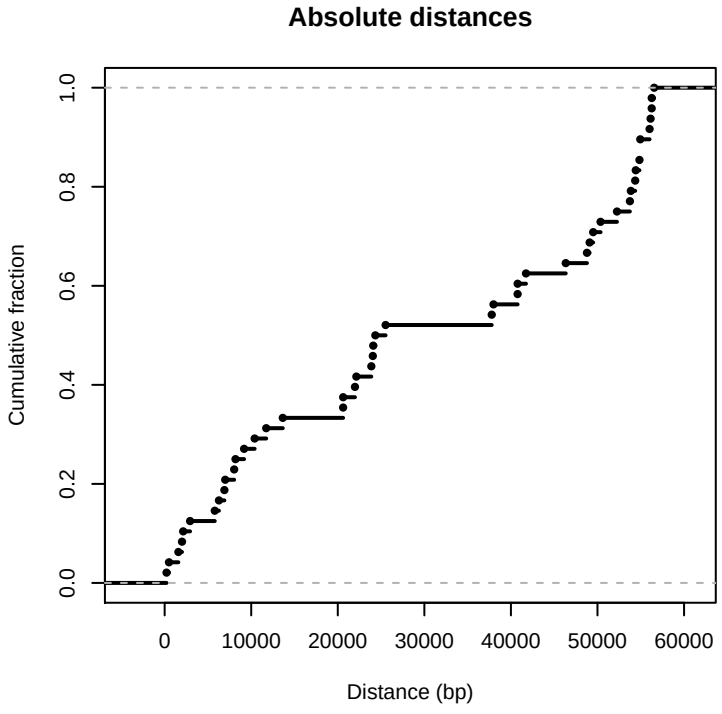
Query population : 36
Reference population : 2
Relative Ks p−value : 1.11022e−12
Relative ecdf deviation area : 0.105526
Relative ecdf area correlation : 0.392492
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.021332
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

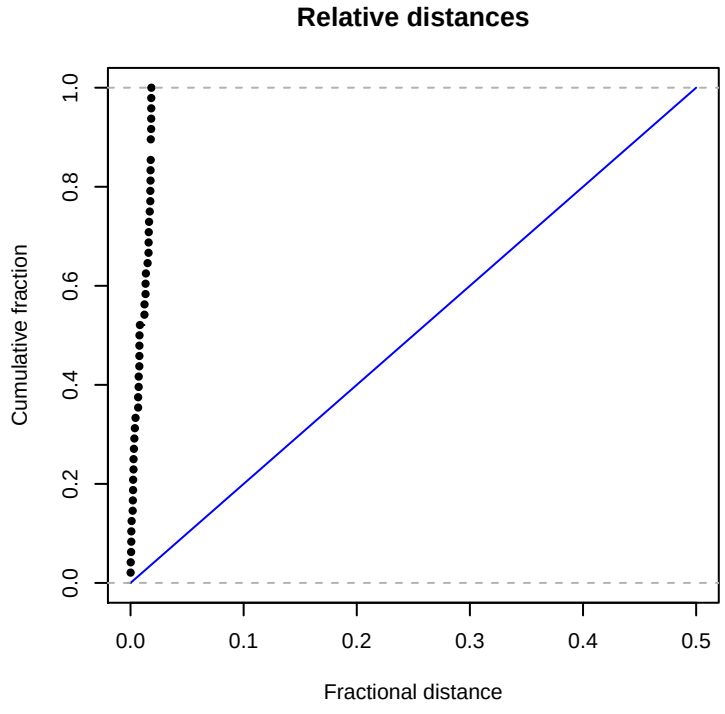




pcontig_138

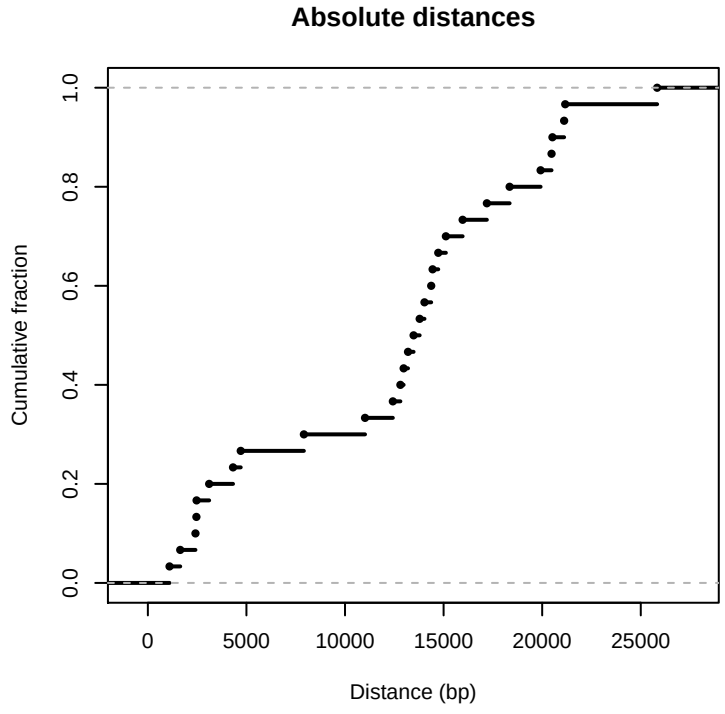
Query population : 48
Reference population : 1
Relative Ks p−value : 8.88178e−16
Relative ecdf deviation area : 0.240169
Relative ecdf area correlation : 0.960366
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.07999e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 66.9647

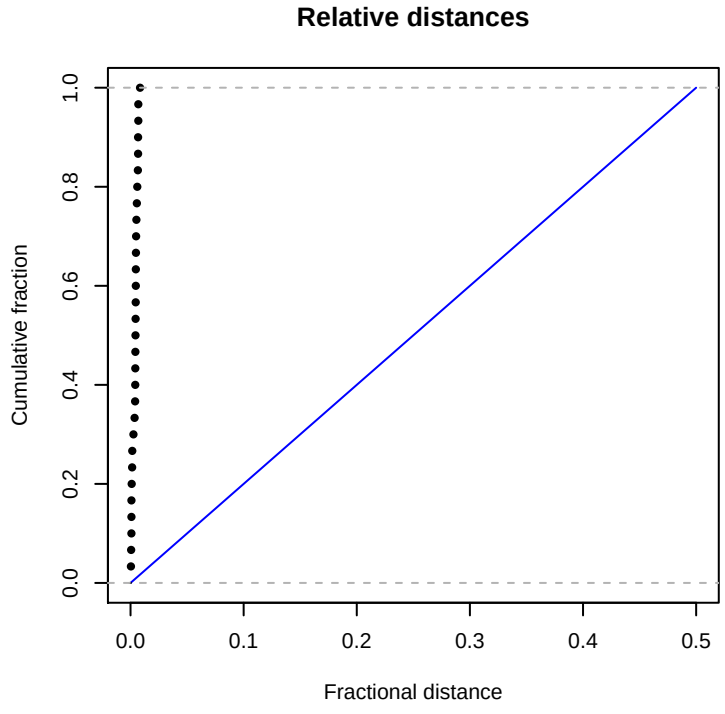




pcontig_147

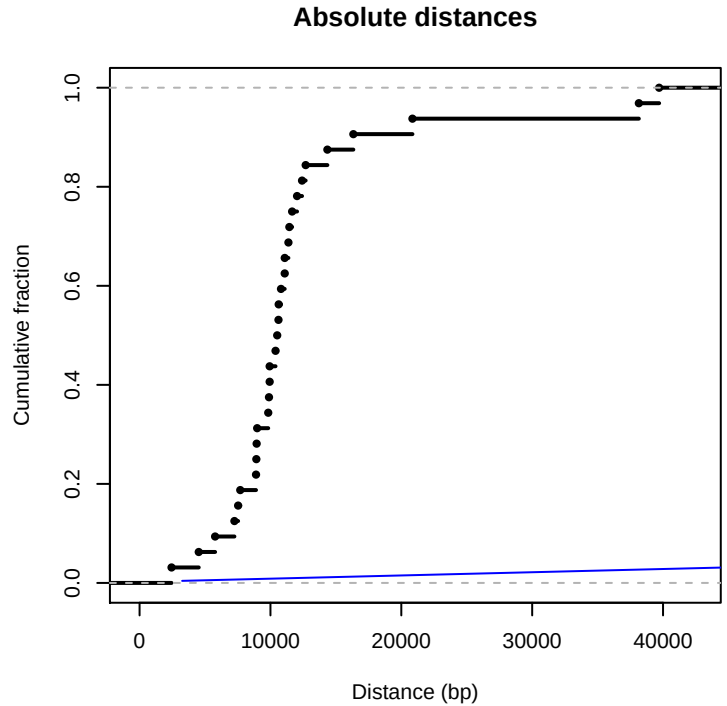
Query population : 30
Reference population : 1
Relative Ks p−value : 1.22125e−15
Relative ecdf deviation area : 0.245834
Relative ecdf area correlation : 0.983813
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00284683
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

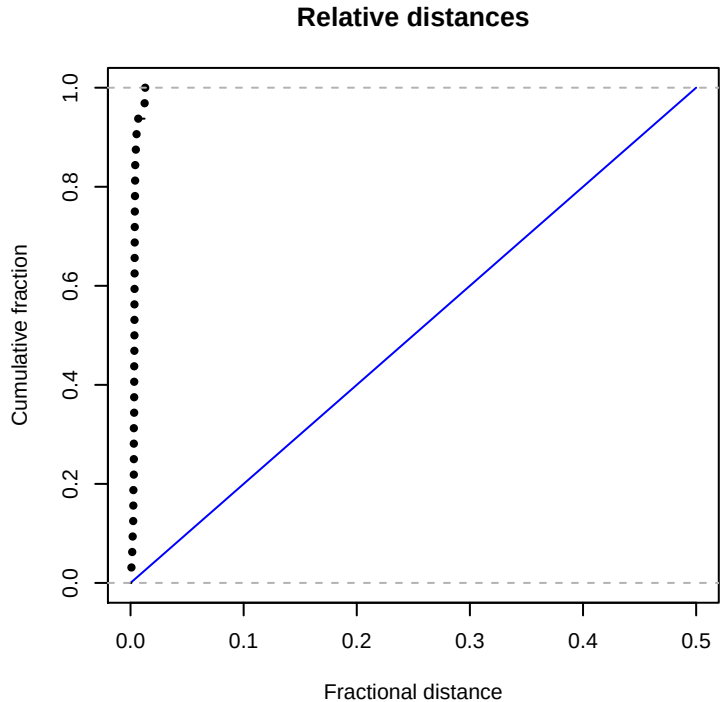




pcontig_148

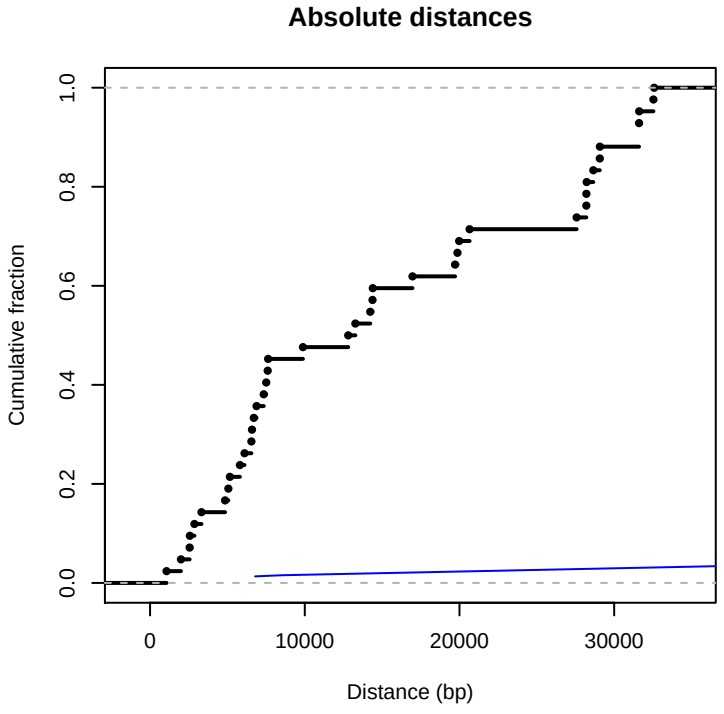
Query population : 32
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.246534
Relative ecdf area correlation : 0.984236
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0182789
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

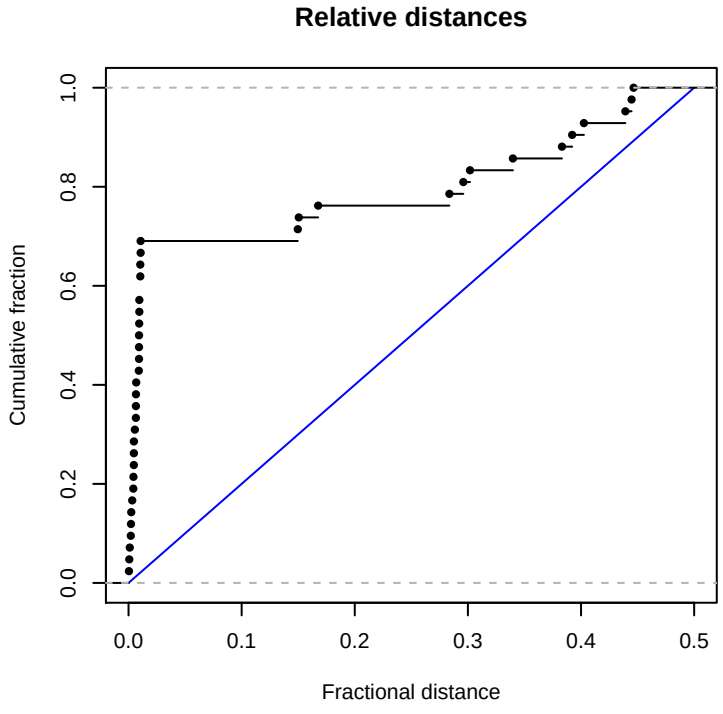




pcontig_149

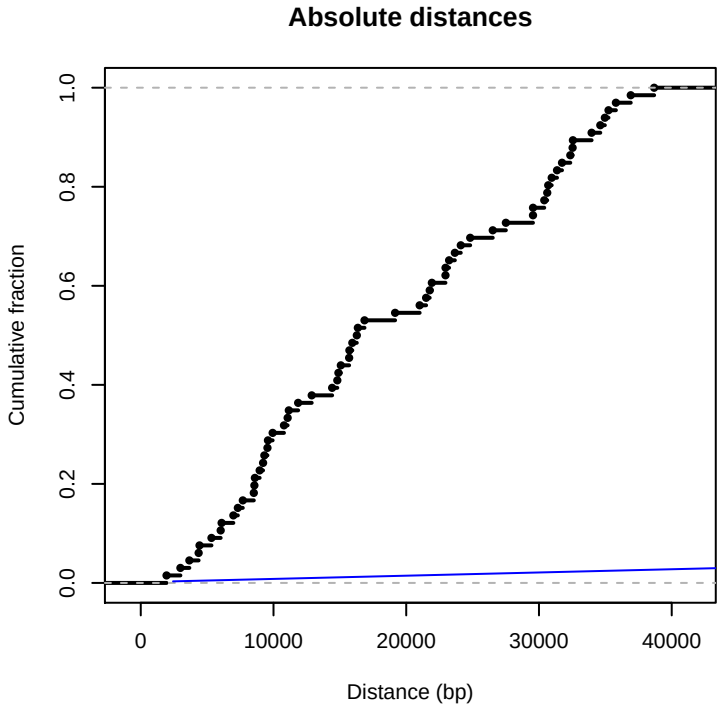
Query population : 42
Reference population : 3
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.145798
Relative ecdf area correlation : 0.582689
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.1
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0499283
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

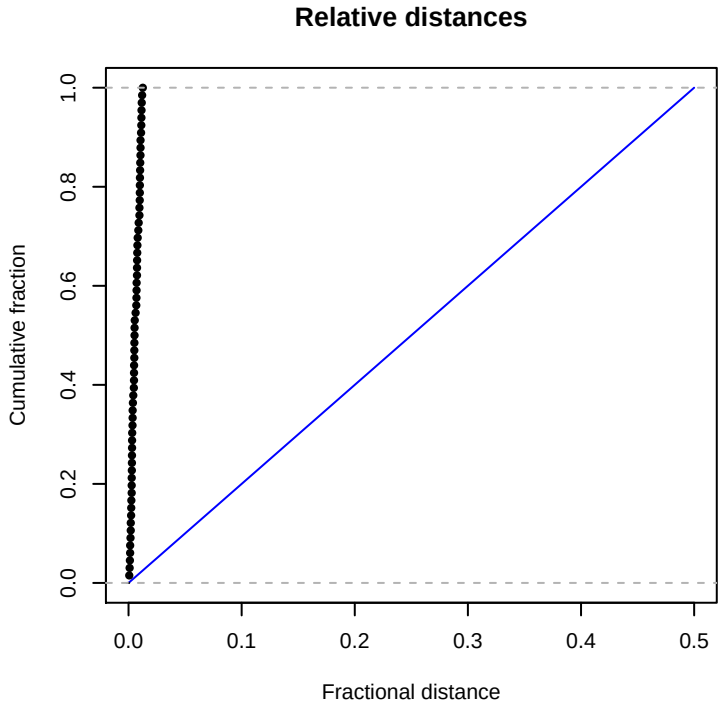




pcontig_150

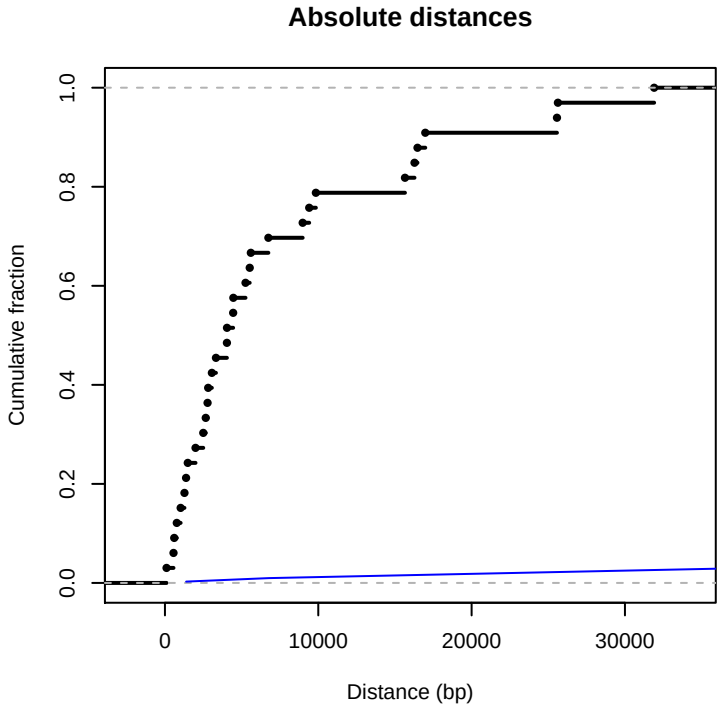
Query population : 66
Reference population : 2
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.24372
Relative ecdf area correlation : 0.975378
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.11
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0836986
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

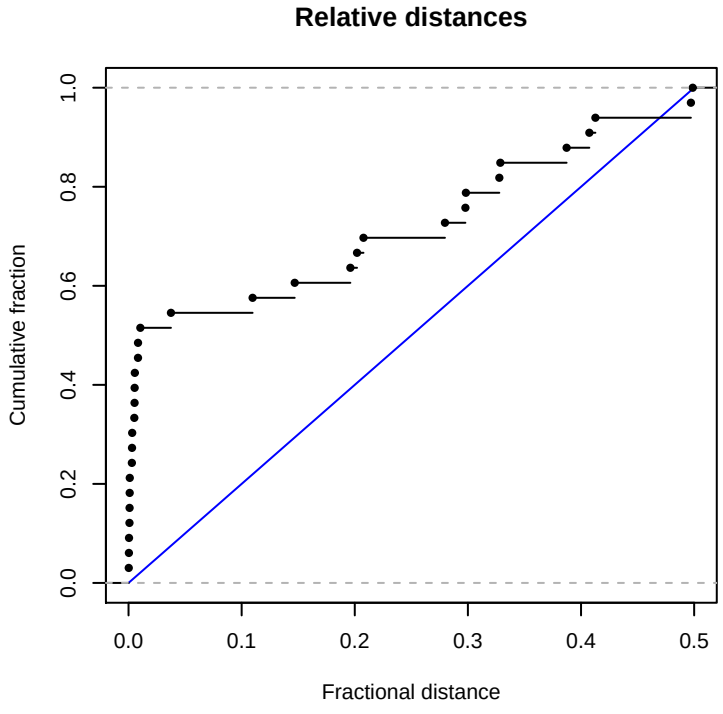




pcontig_157

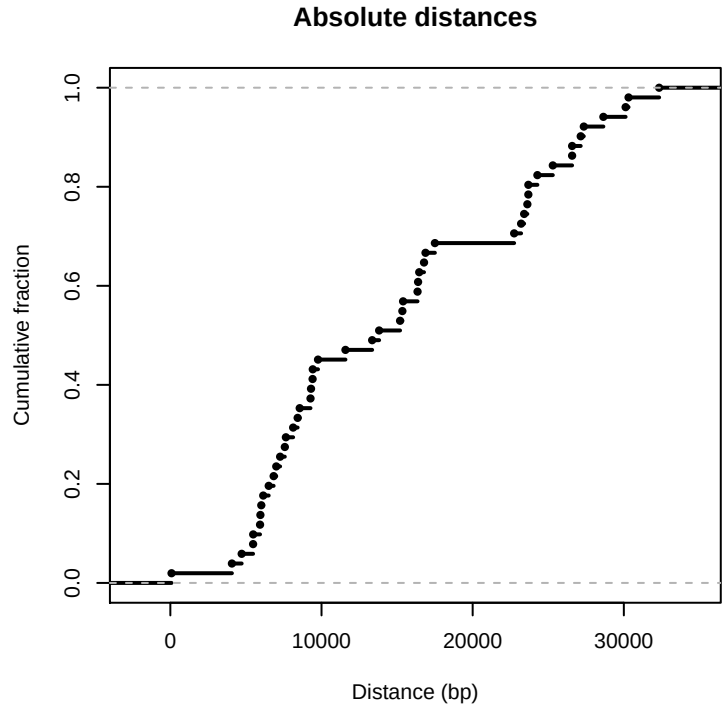
Query population : 33
Reference population : 3
Relative Ks p−value : 5.74247e−08
Relative ecdf deviation area : 0.109376
Relative ecdf area correlation : 0.430566
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000145516
Projection test lower tail : FALSE
Projection test observed to expected ratio : 57.409

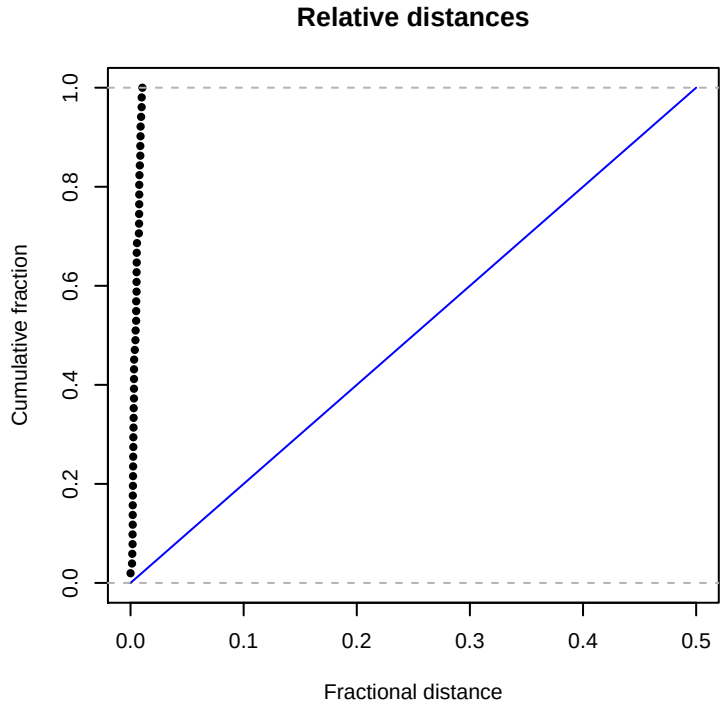




pcontig_165

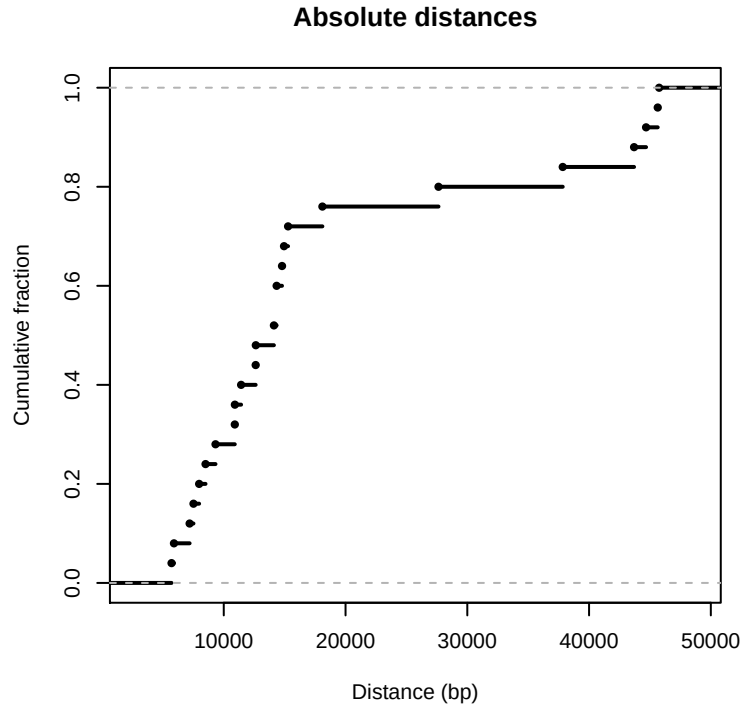
Query population : 51
Reference population : 1
Relative Ks p−value : 6.66134e−16
Relative ecdf deviation area : 0.245047
Relative ecdf area correlation : 0.980524
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.25147e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 122.464

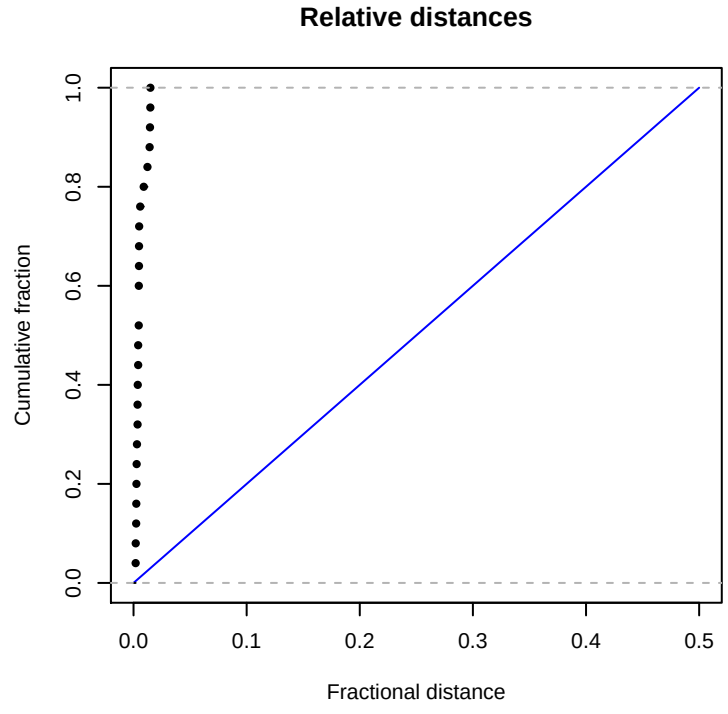




pcontig_170

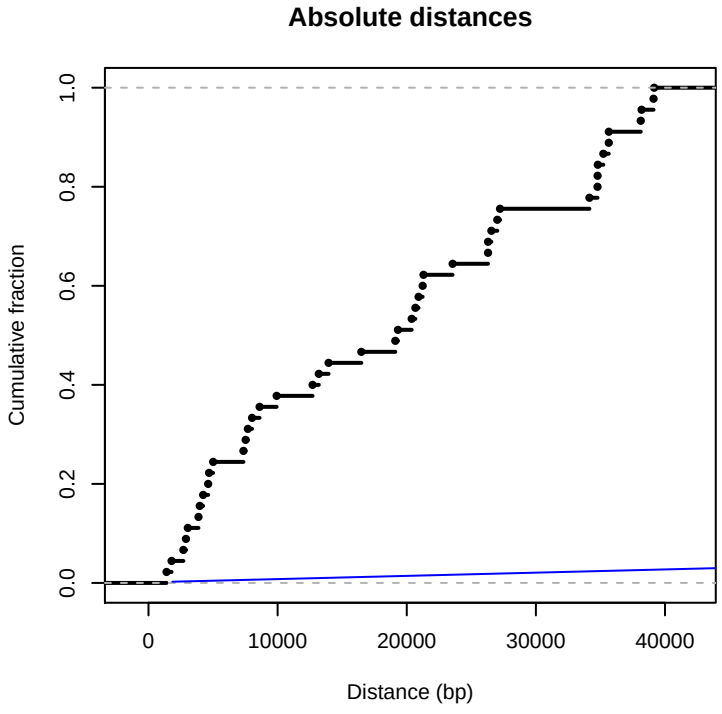
Query population : 25
Reference population : 1
Relative Ks p−value : 3.33067e−16
Relative ecdf deviation area : 0.243968
Relative ecdf area correlation : 0.975955
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00837844
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

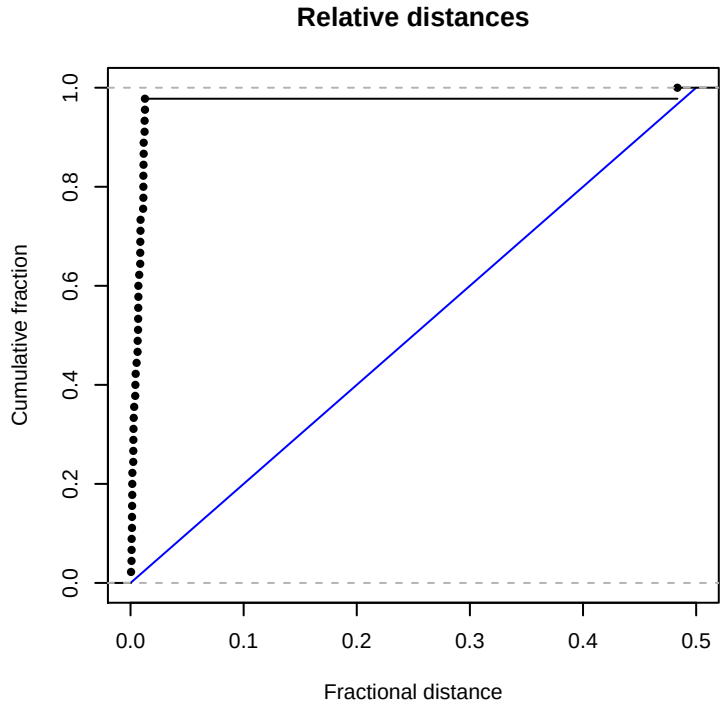




pcontig_173

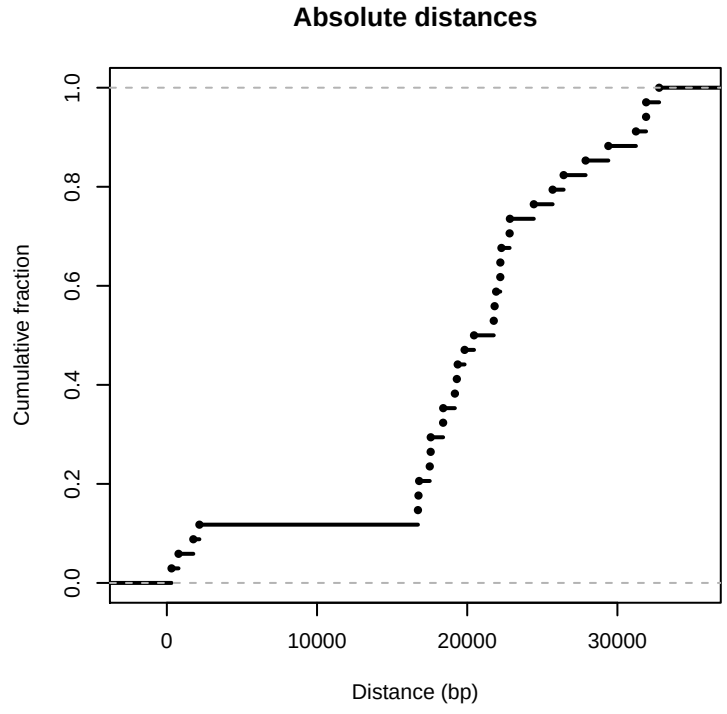
Query population : 45
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.233138
Relative ecdf area correlation : 0.932659
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0311615
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

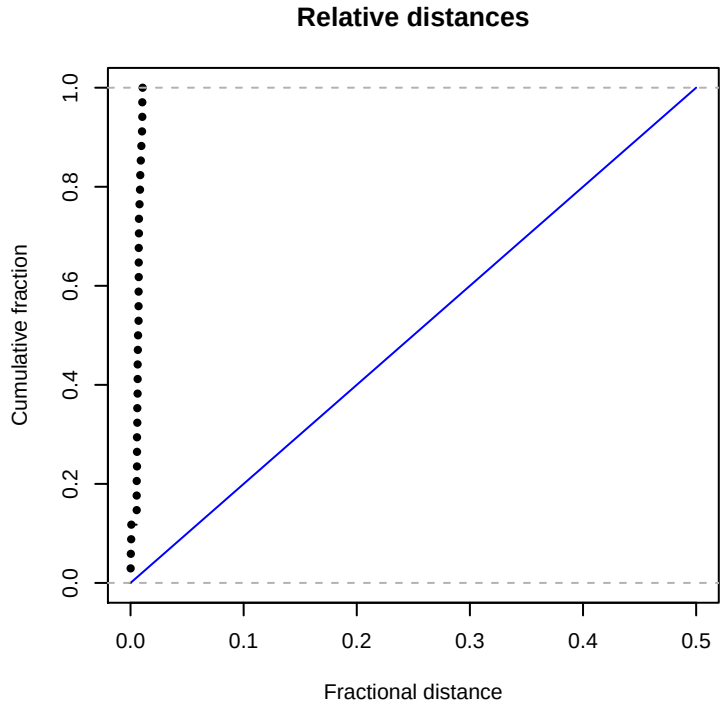




pcontig_174

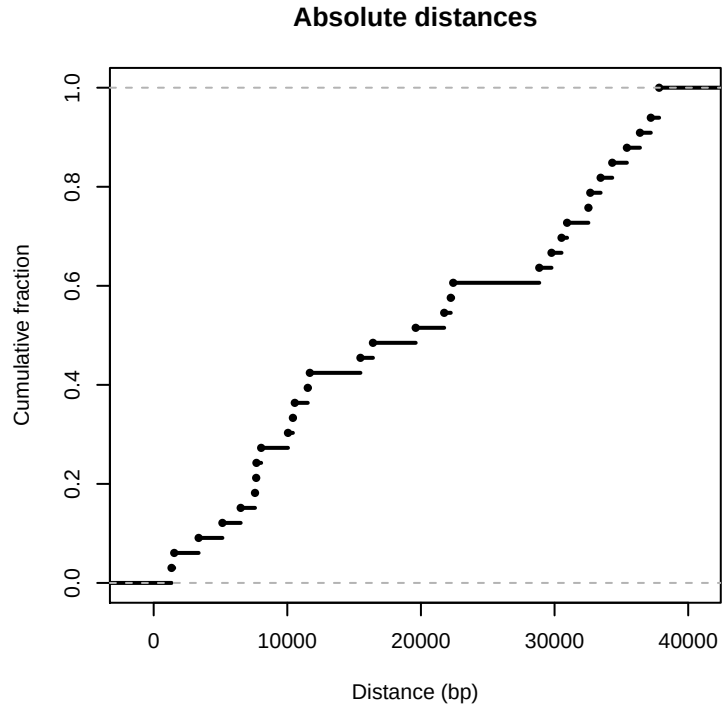
Query population : 34
Reference population : 1
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.243311
Relative ecdf area correlation : 0.973875
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.14145e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 123.976

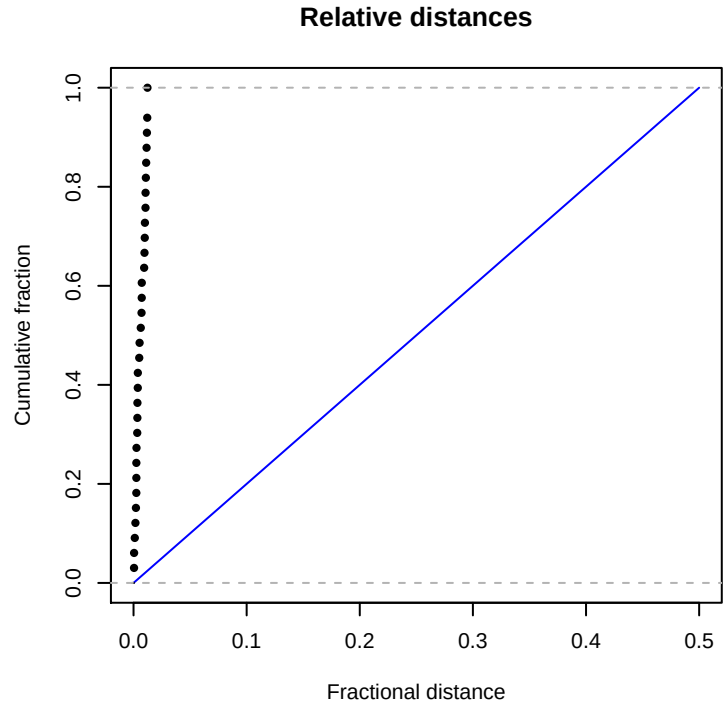




pcontig_181

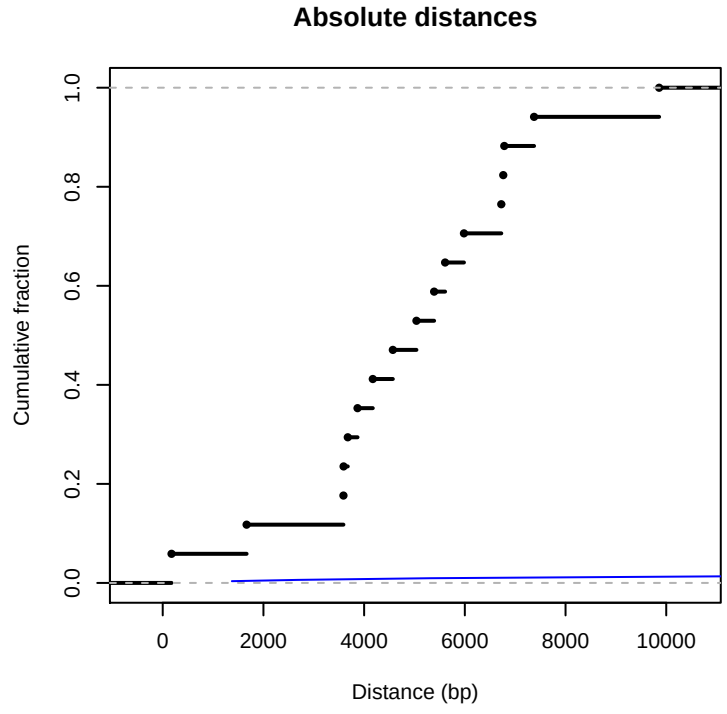
Query population : 33
Reference population : 1
Relative Ks p−value : 6.66134e−16
Relative ecdf deviation area : 0.24343
Relative ecdf area correlation : 0.974016
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.05
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0113527
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

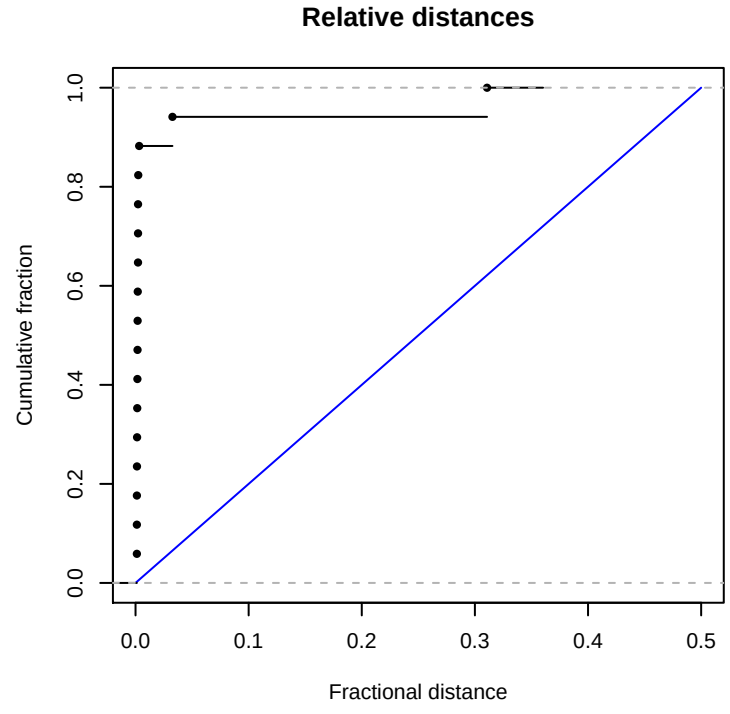




pcontig_186

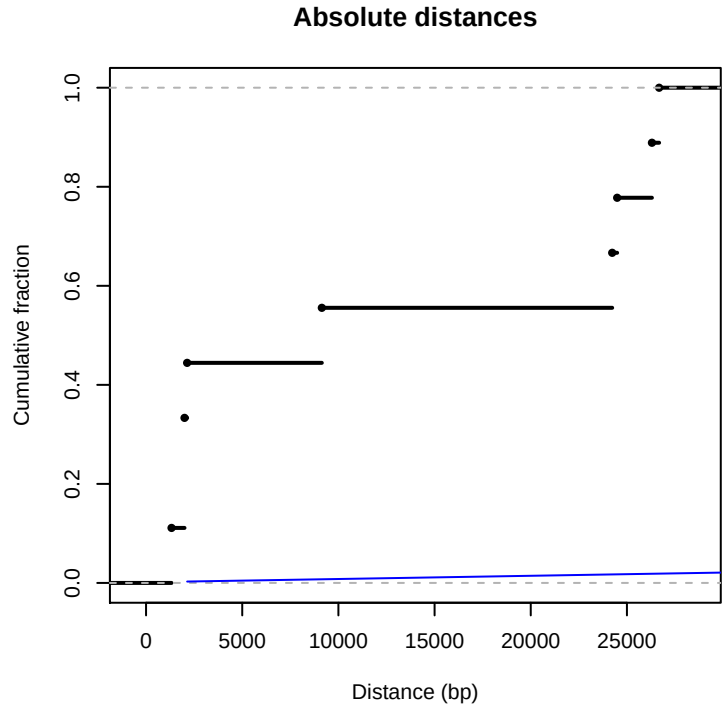
Query population : 17
Reference population : 4
Relative Ks p−value : 1.22125e−15
Relative ecdf deviation area : 0.228197
Relative ecdf area correlation : 0.912812
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000156203
Projection test lower tail : FALSE
Projection test observed to expected ratio : 54.593

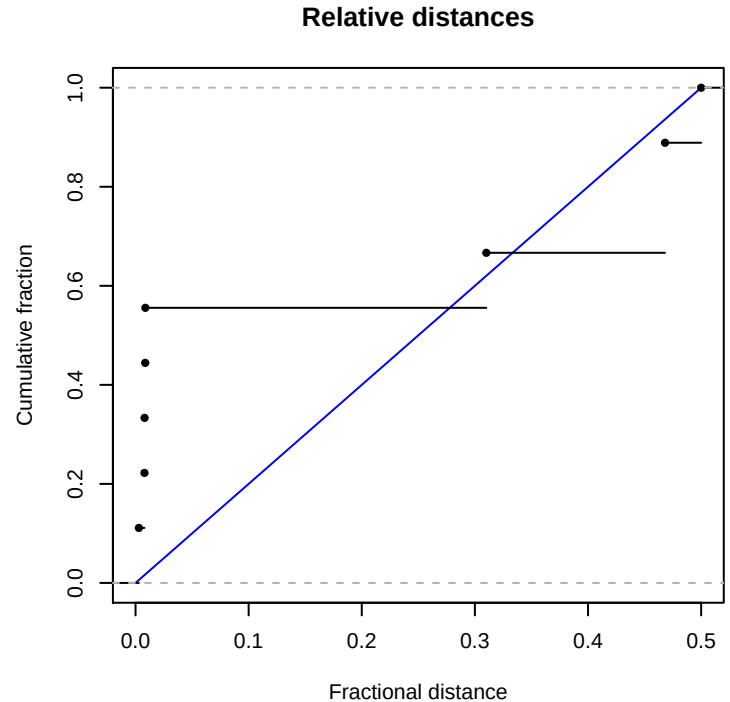




pcontig_188

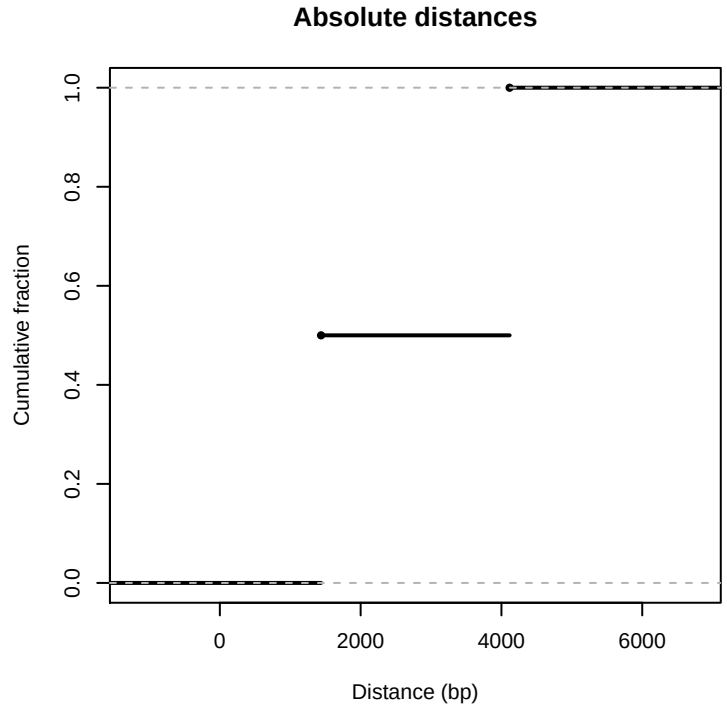
Query population : 9
Reference population : 2
Relative Ks p−value : 0.00577426
Relative ecdf deviation area : 0.0953293
Relative ecdf area correlation : 0.207859
Relative ecdf deviation area p−value : 0.0600000000000001
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00273223
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

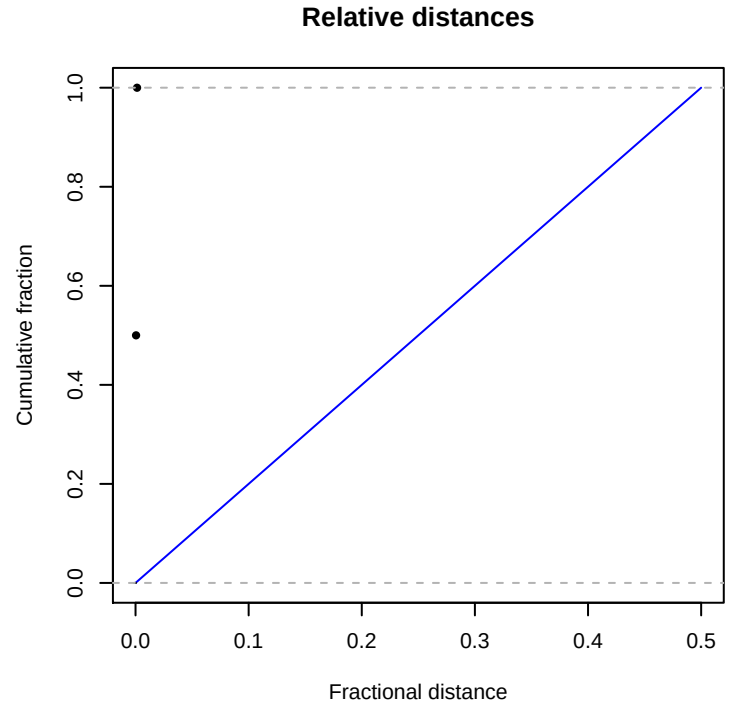




pcontig_189

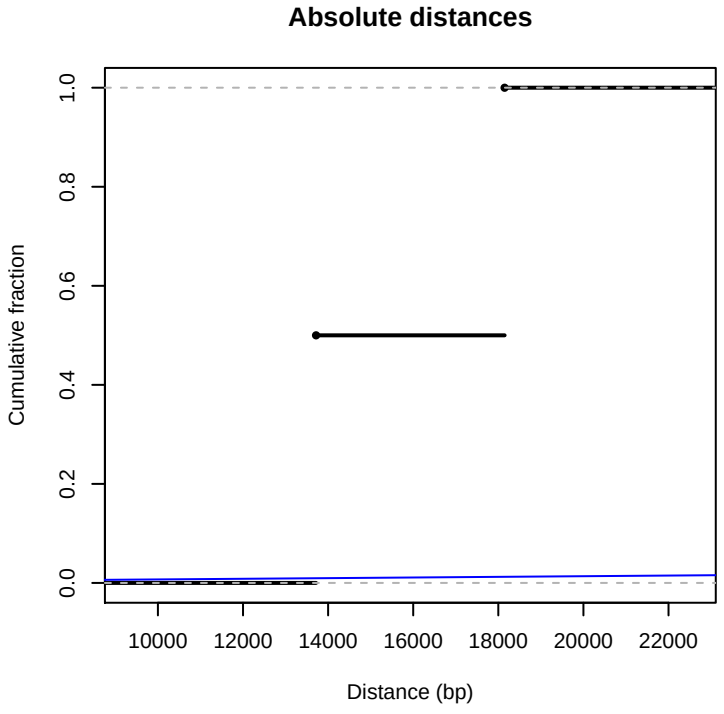
Query population : 2
Reference population : 1
Relative Ks p−value : 1.43533e−05
Relative ecdf deviation area : 0.24927
Relative ecdf area correlation : 0.996385
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000534932
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

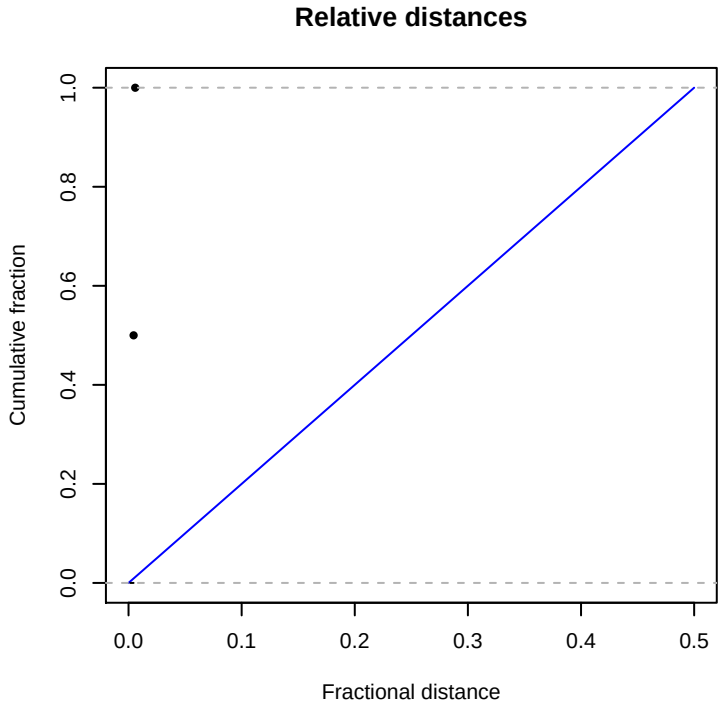




pcontig_203

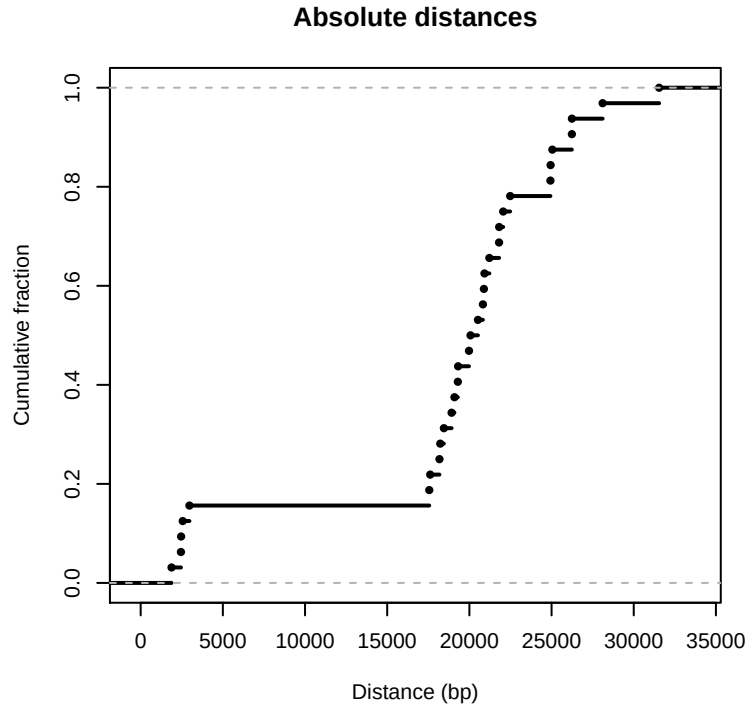
Query population : 2
Reference population : 2
Relative Ks p−value : 0.000279354
Relative ecdf deviation area : 0.244619
Relative ecdf area correlation : 0.979249
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00111916
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

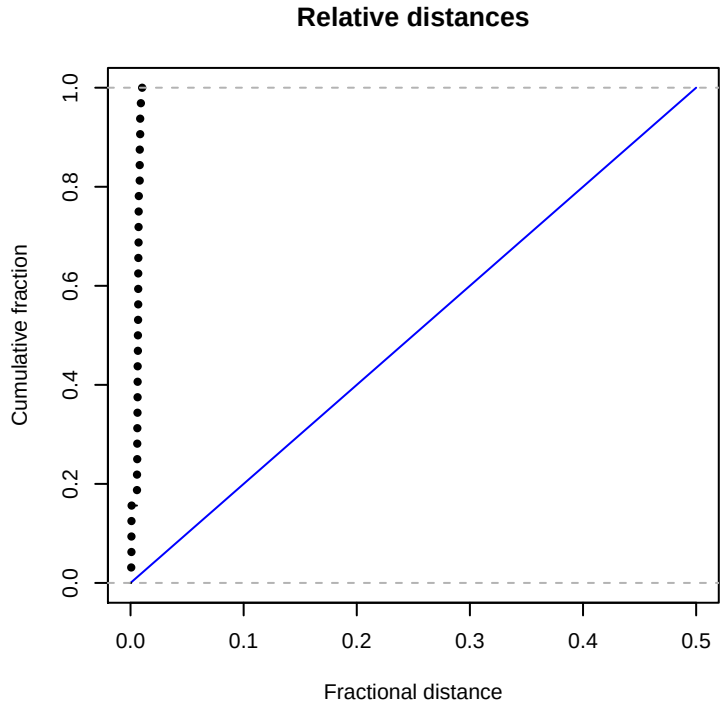




pcontig_207

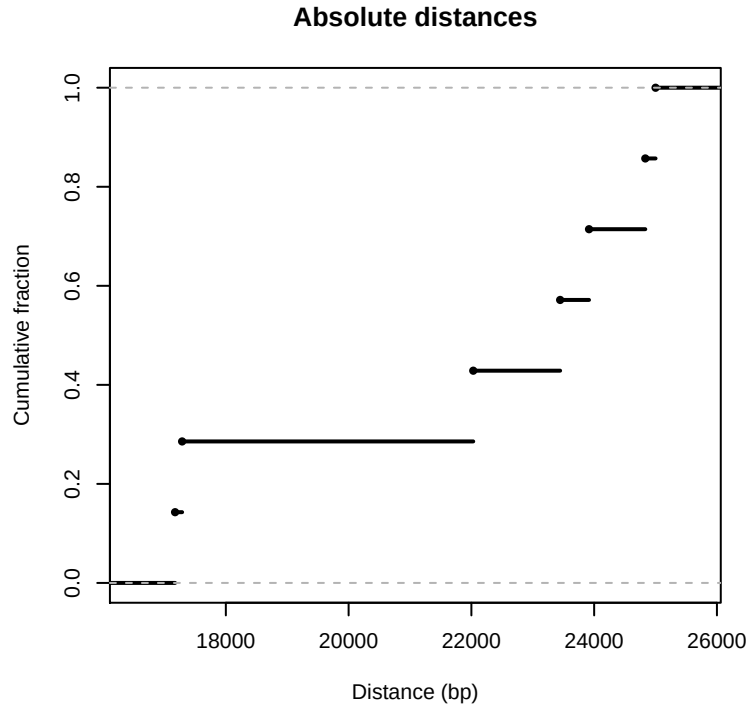
Query population : 32
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.244092
Relative ecdf area correlation : 0.975651
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00886542
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

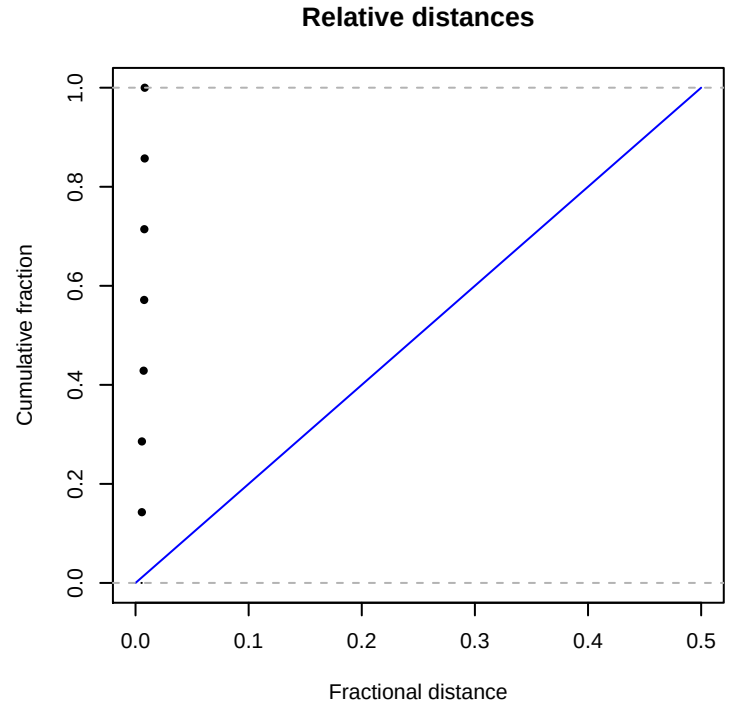




pcontig_233

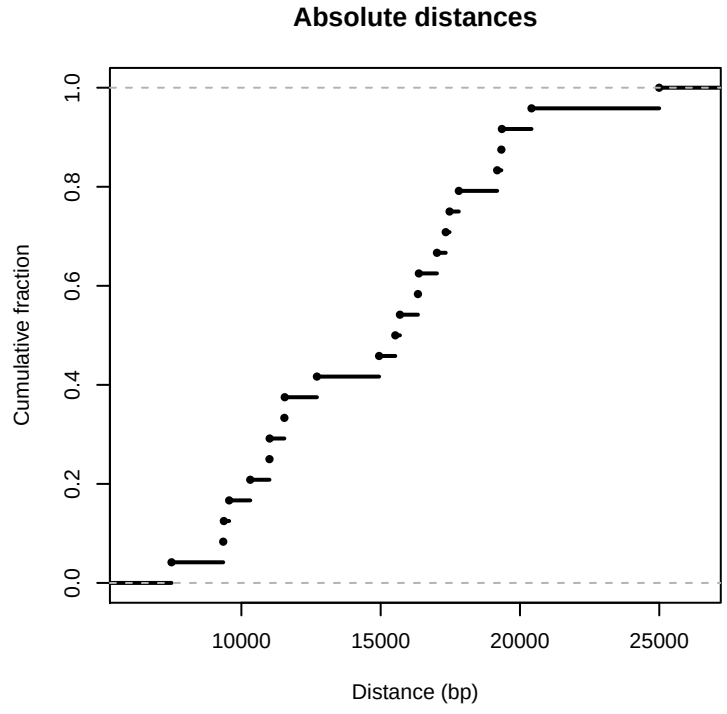
Query population : 7
Reference population : 1
Relative Ks p−value : 6.03961e−13
Relative ecdf deviation area : 0.242841
Relative ecdf area correlation : 0.97142
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00135917
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

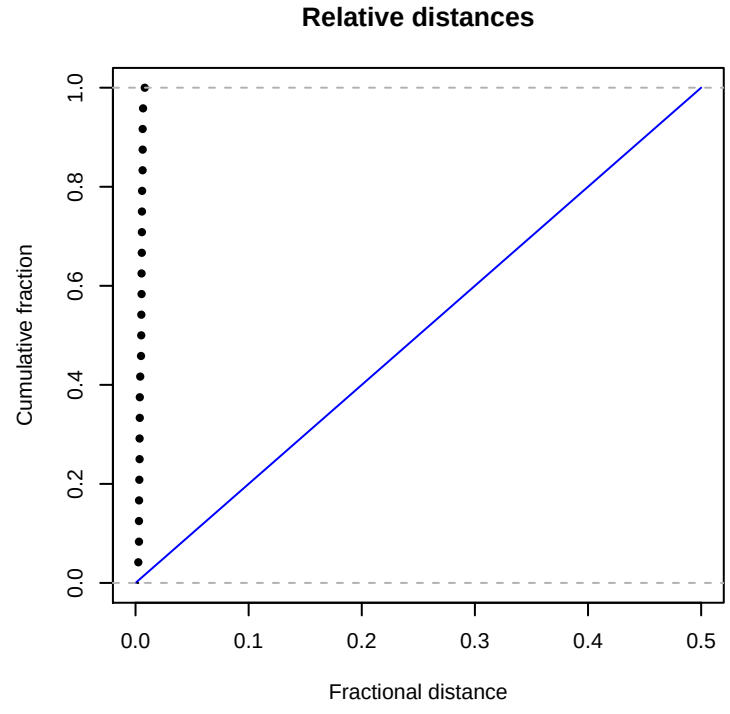


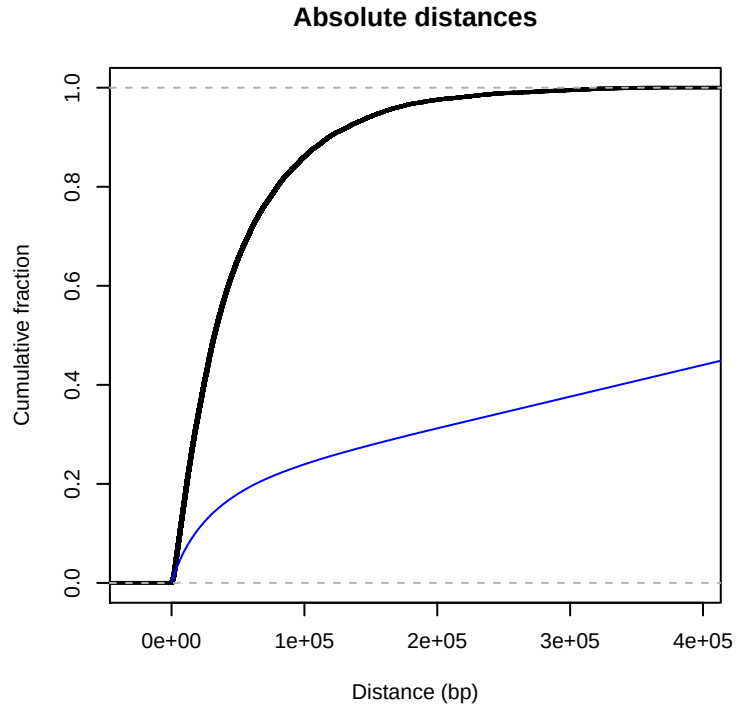
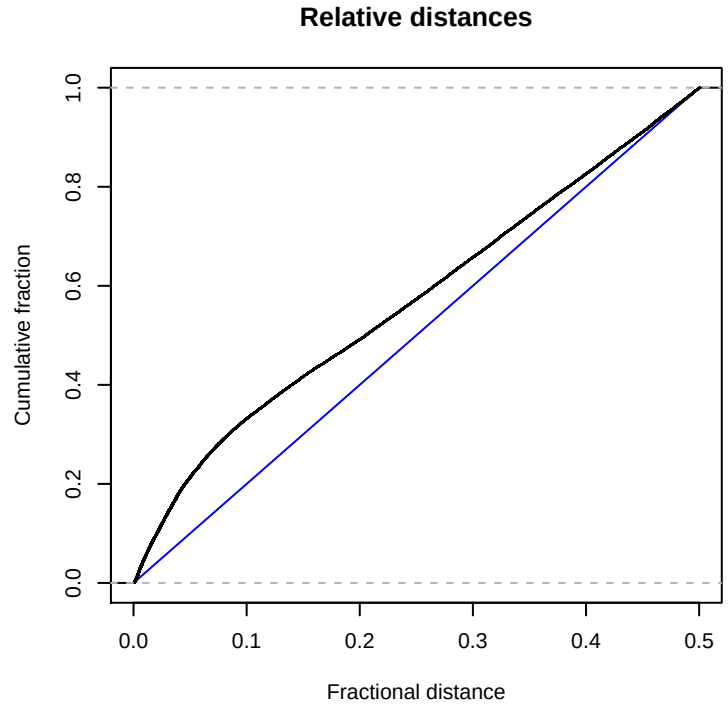


pcontig_235

Query population : 24
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.245435
Relative ecdf area correlation : 0.980707
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 : 0.00901295
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0





All Chromosomes

Query population : 47997
Reference population : 1572
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0342767
Relative ecdf area correlation : 0.13697
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 : 2.11831e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.3764