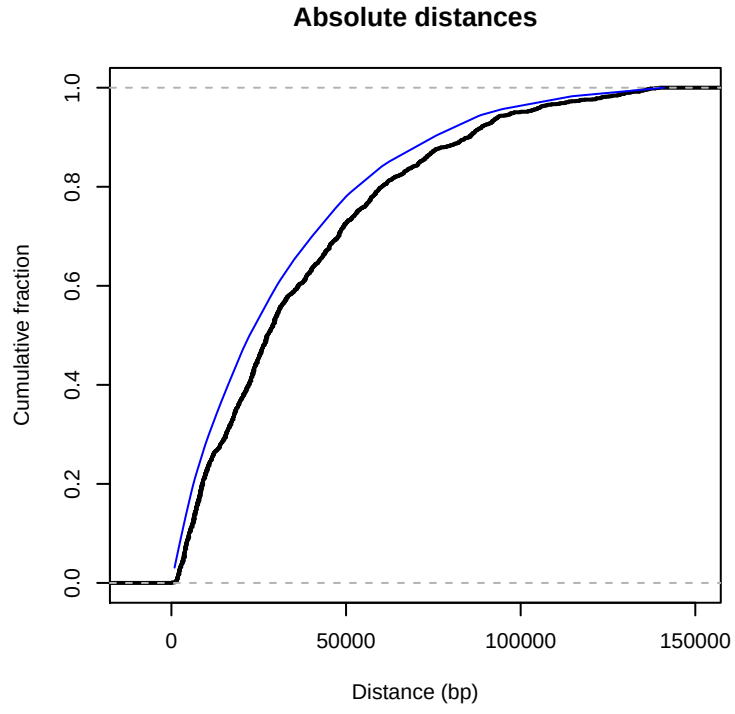
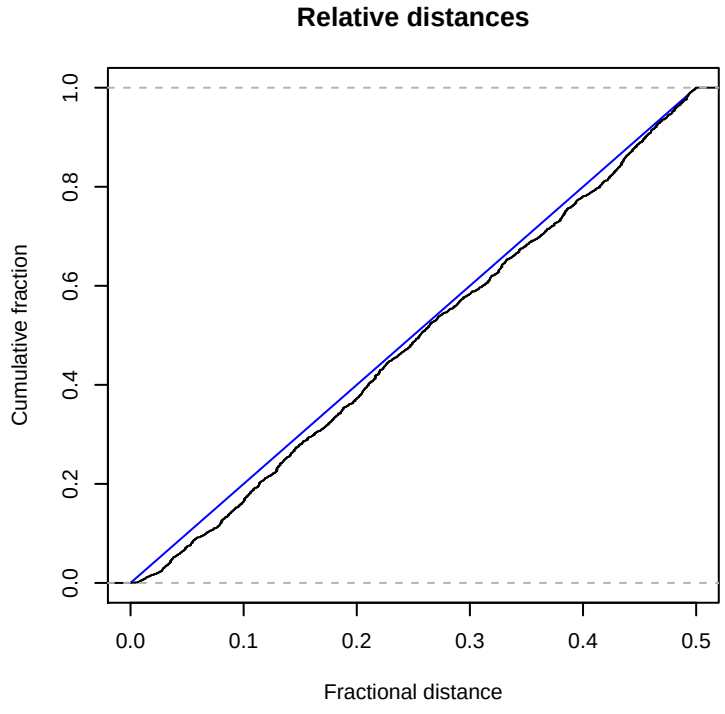
pcontig_000

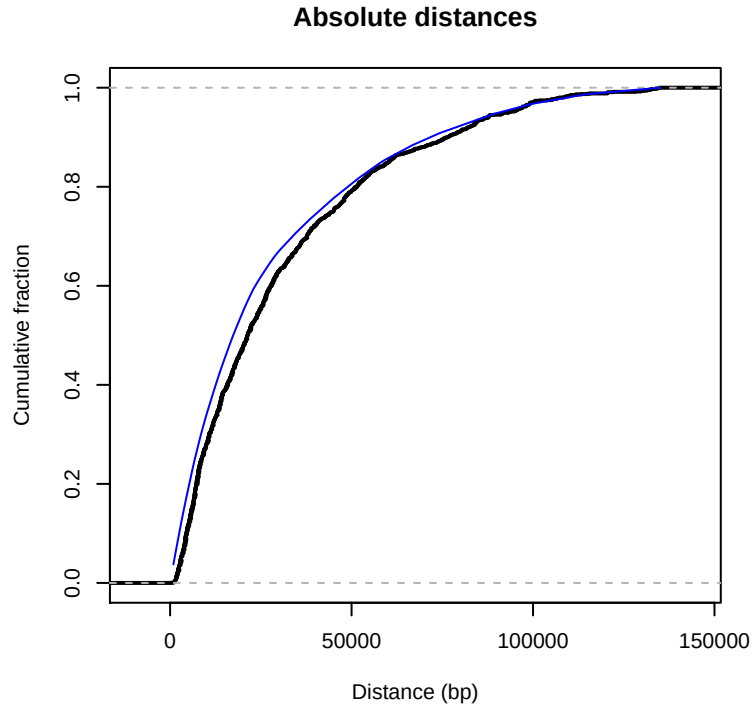
Query population : 1836
Reference population : 53
Relative Ks p−value : 0.00362334
Relative ecdf deviation area : 0.0103554
Relative ecdf area correlation : −0.0411427
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 9.36652e−25
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0588754

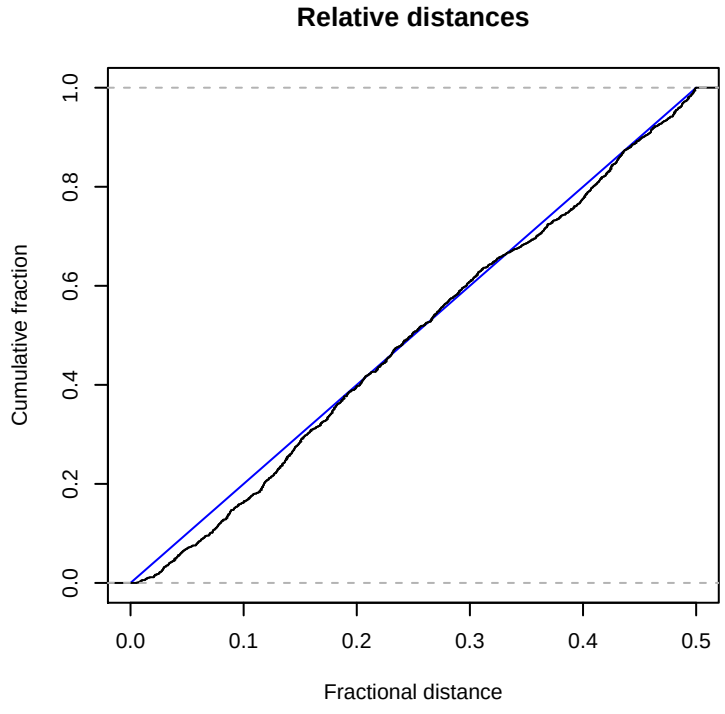




pcontig_001

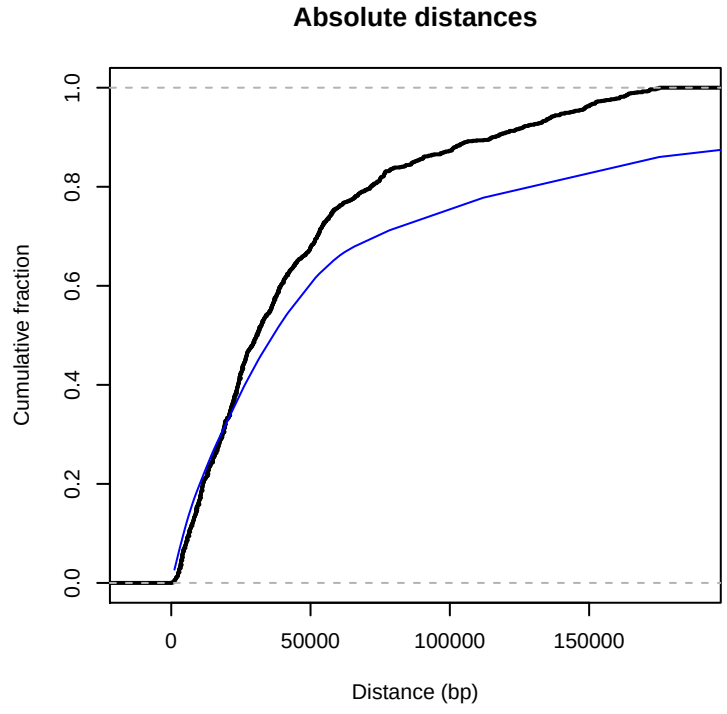
Query population : 1560
Reference population : 63
Relative Ks p−value : 0.00442138
Relative ecdf deviation area : 0.00794286
Relative ecdf area correlation : −0.0271228
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 3.97114e−28
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.015173

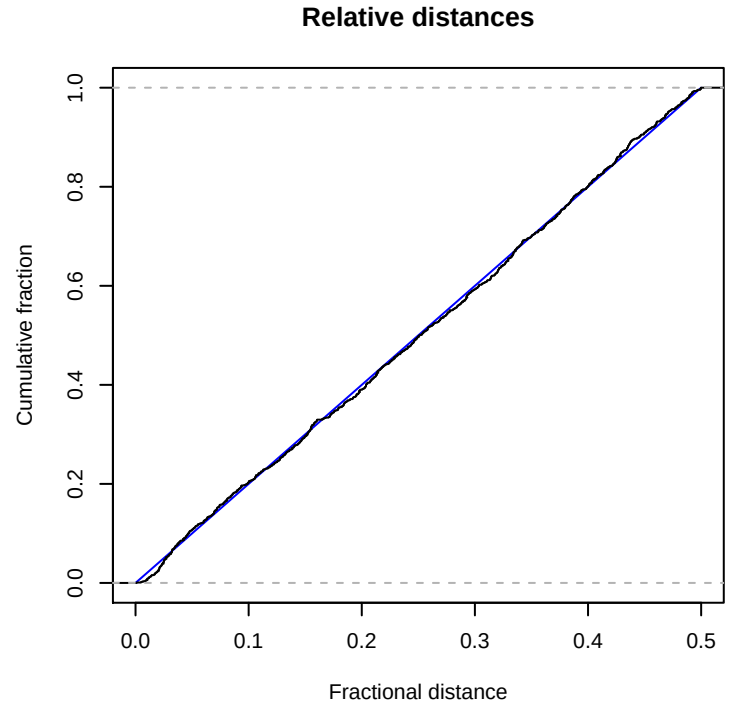




pcontig_002

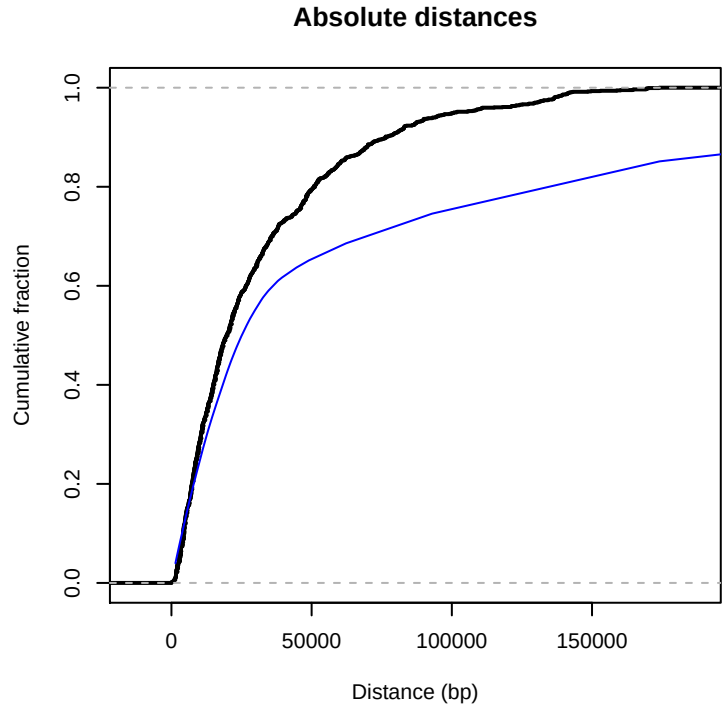
Query population : 1204
Reference population : 36
Relative Ks p−value : 0.876286
Relative ecdf deviation area : 0.00297749
Relative ecdf area correlation : −0.00238803
Relative ecdf deviation area p−value : 0.72
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 9.39152e−10
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.279114

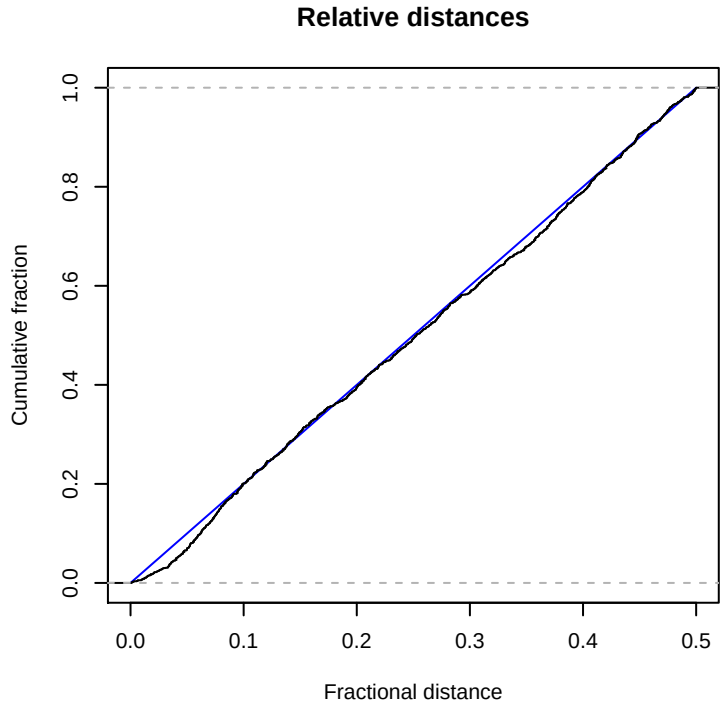




pcontig_003

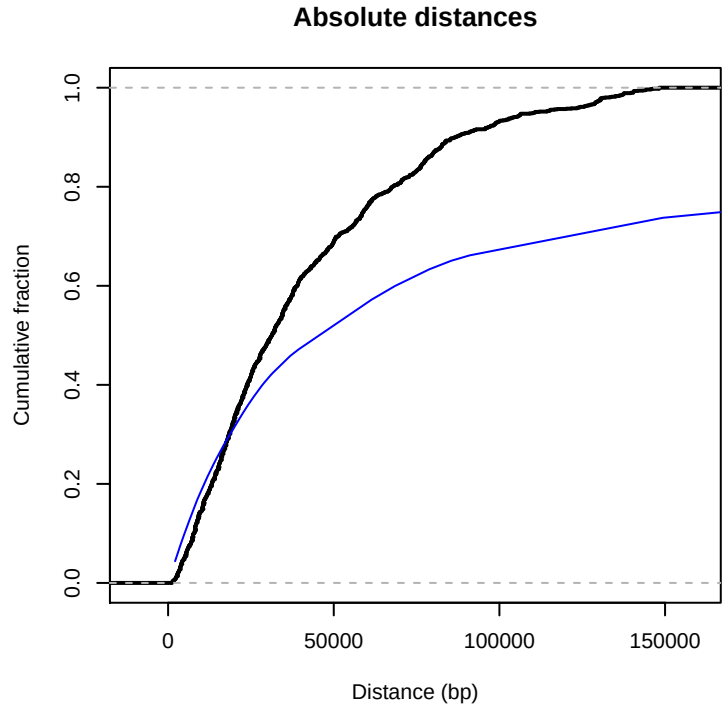
Query population : 1462
Reference population : 43
Relative Ks p−value : 0.0550902
Relative ecdf deviation area : 0.00439633
Relative ecdf area correlation : −0.0153688
Relative ecdf deviation area p−value : 0.32
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 5.31038e−16
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.101444

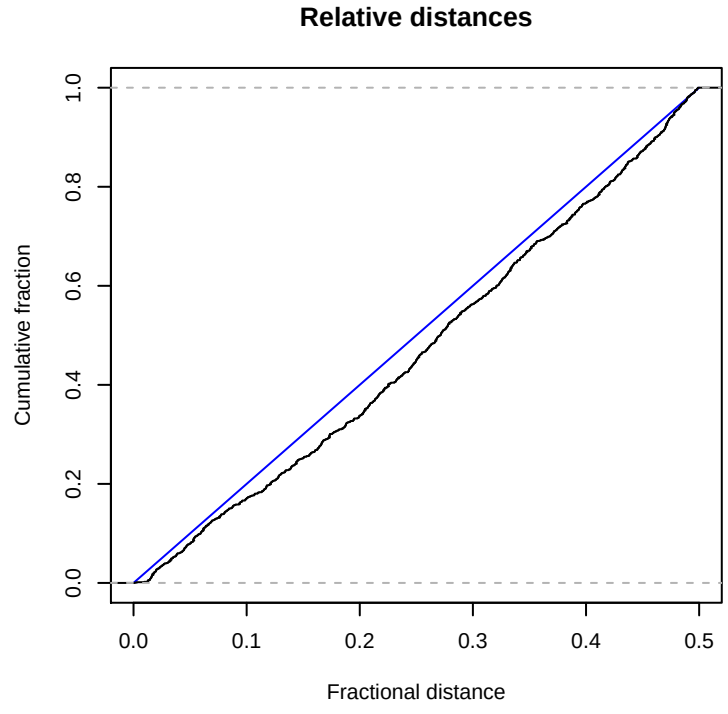




pcontig_004

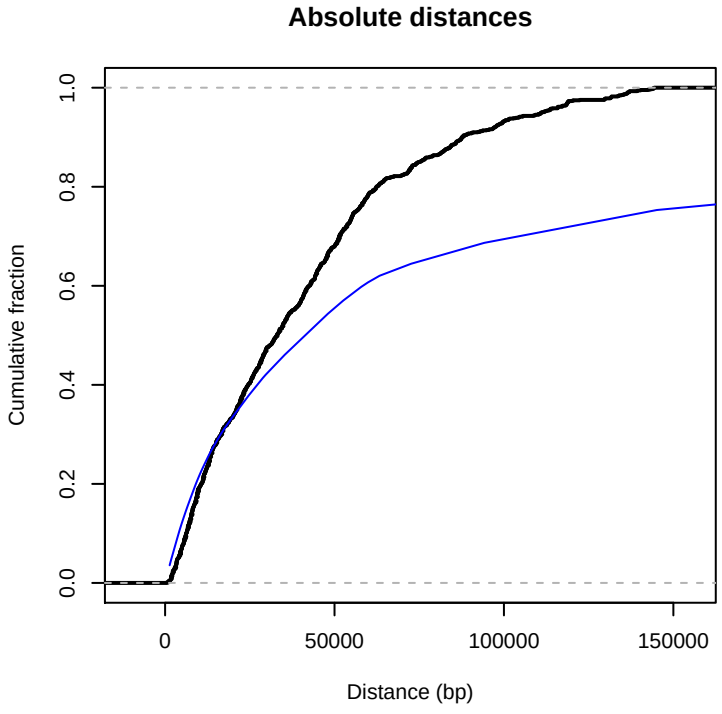
Query population : 1370
Reference population : 32
Relative Ks p−value : 2.19477e−05
Relative ecdf deviation area : 0.0169027
Relative ecdf area correlation : −0.0682052
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 3.90345e−16
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

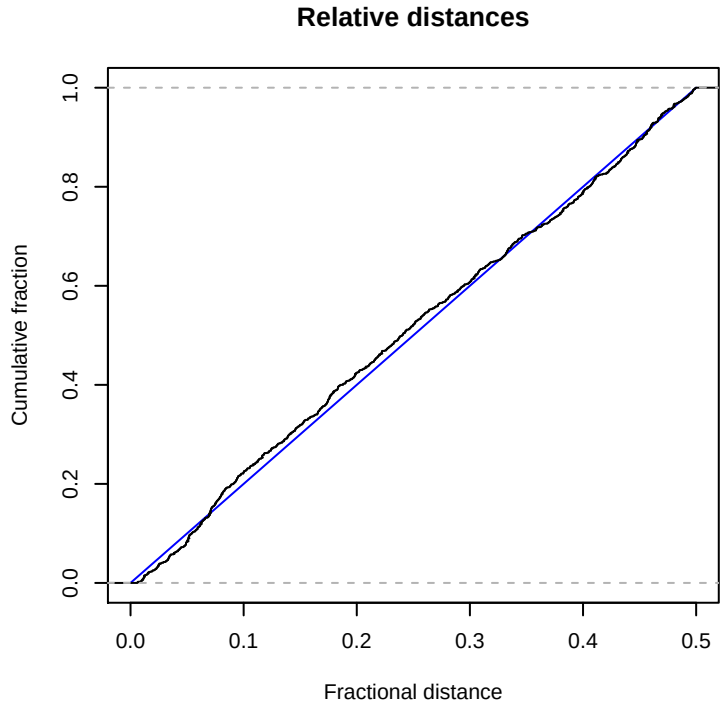




pcontig_005

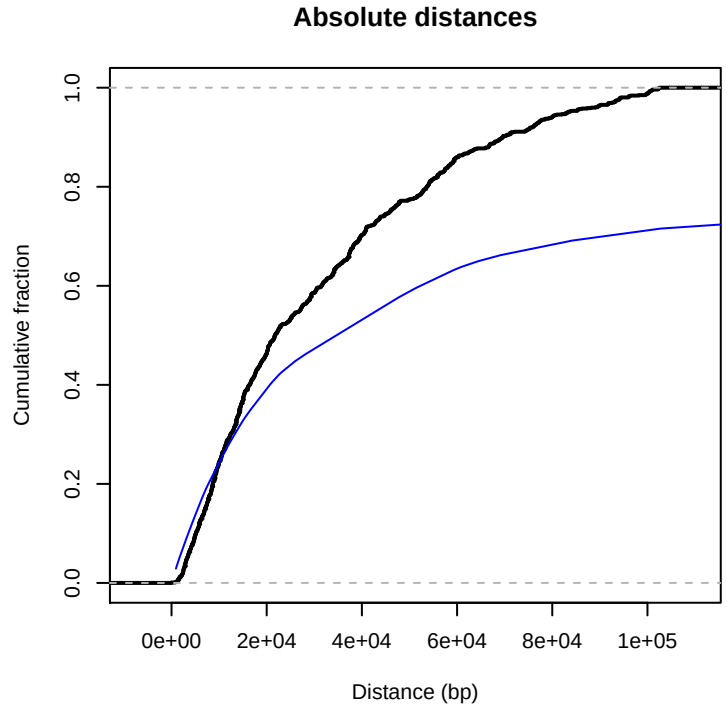
Query population : 1300
Reference population : 41
Relative Ks p−value : 0.211206
Relative ecdf deviation area : 0.00665357
Relative ecdf area correlation : 0.0118054
Relative ecdf deviation area p−value : 0.1
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 5.57096e−15
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0719362

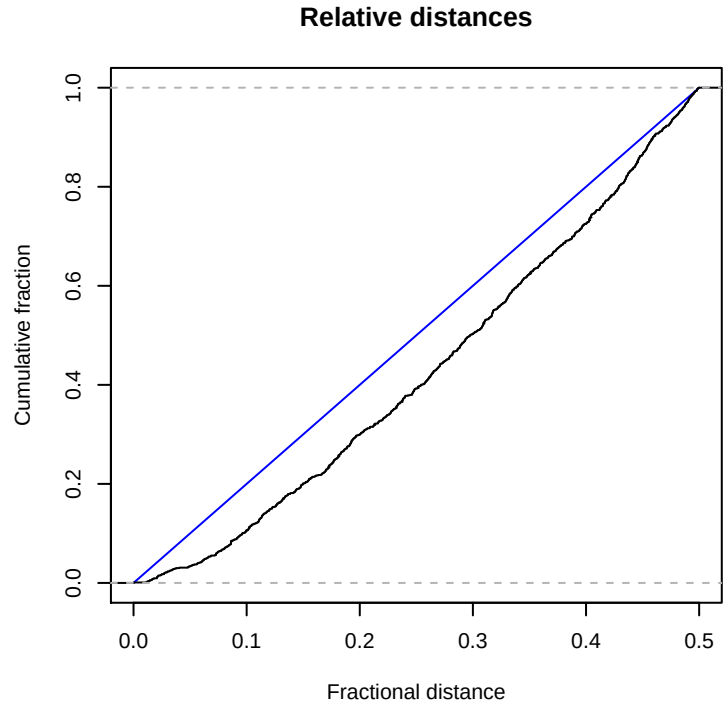




pcontig_006

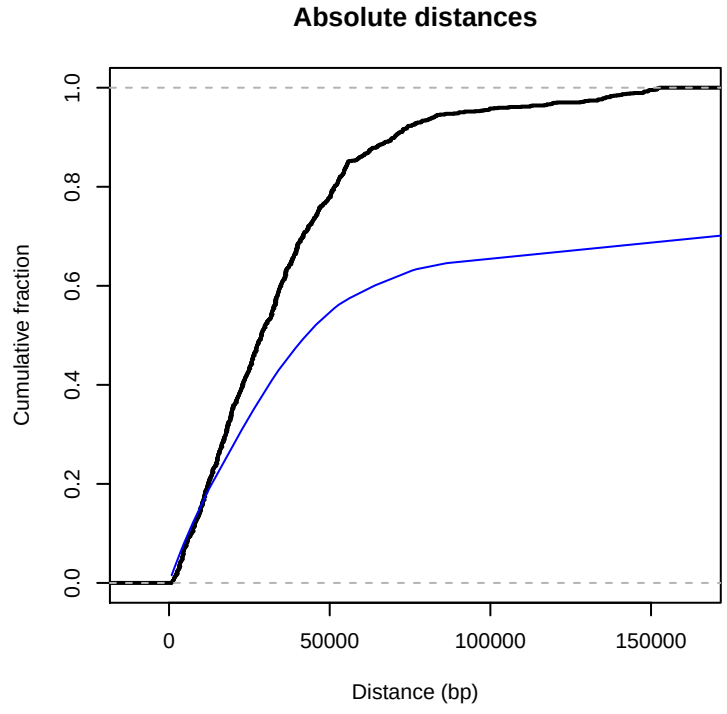
Query population : 1069
Reference population : 48
Relative Ks p−value : 1.25344e−12
Relative ecdf deviation area : 0.0383007
Relative ecdf area correlation : −0.153318
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.05755e−12
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.1038

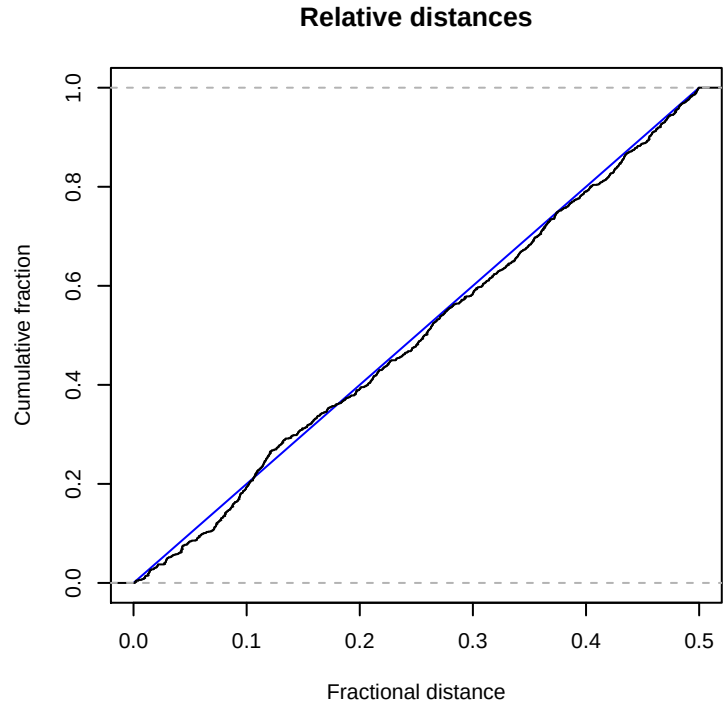




pcontig_007

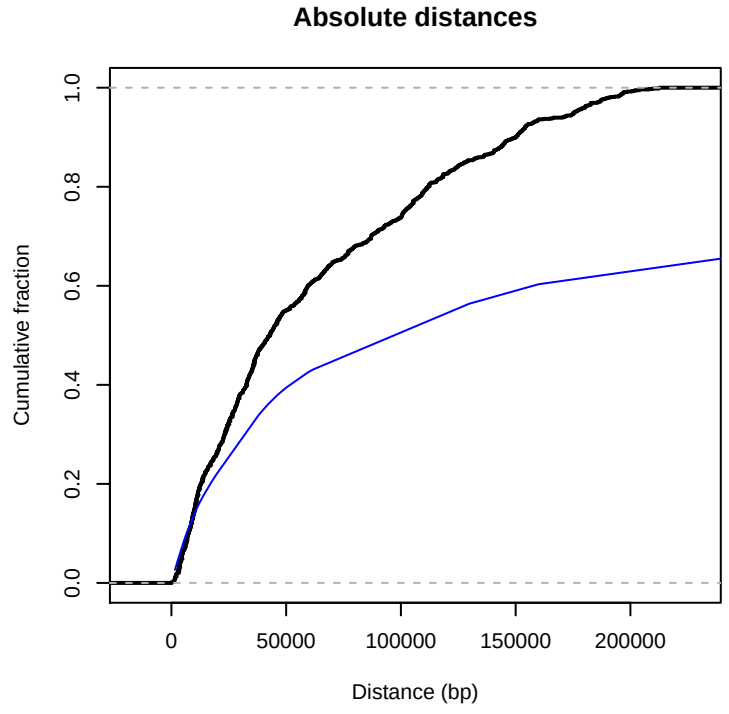
Query population : 1310
Reference population : 29
Relative Ks p−value : 0.0879339
Relative ecdf deviation area : 0.00600476
Relative ecdf area correlation : −0.0170398
Relative ecdf deviation area p−value : 0.2
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 3.06e−13
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

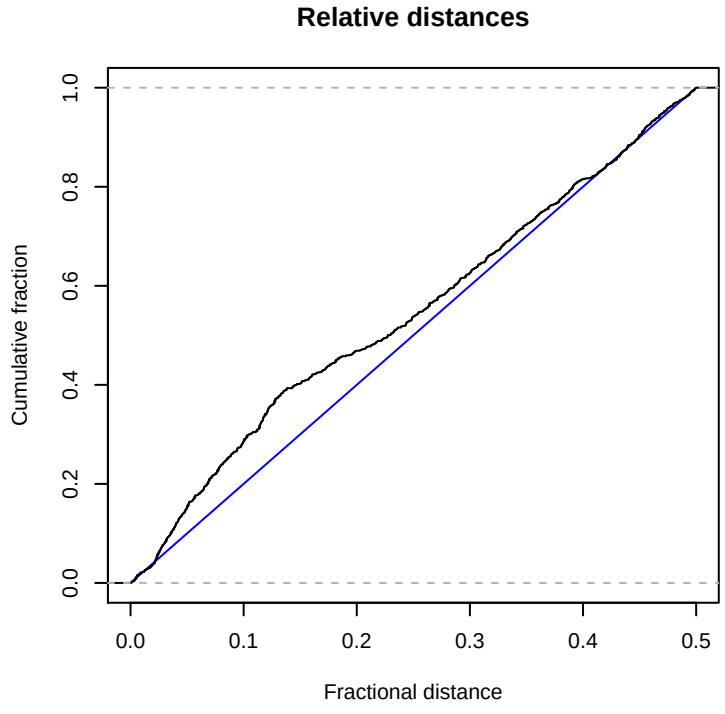




pcontig_008

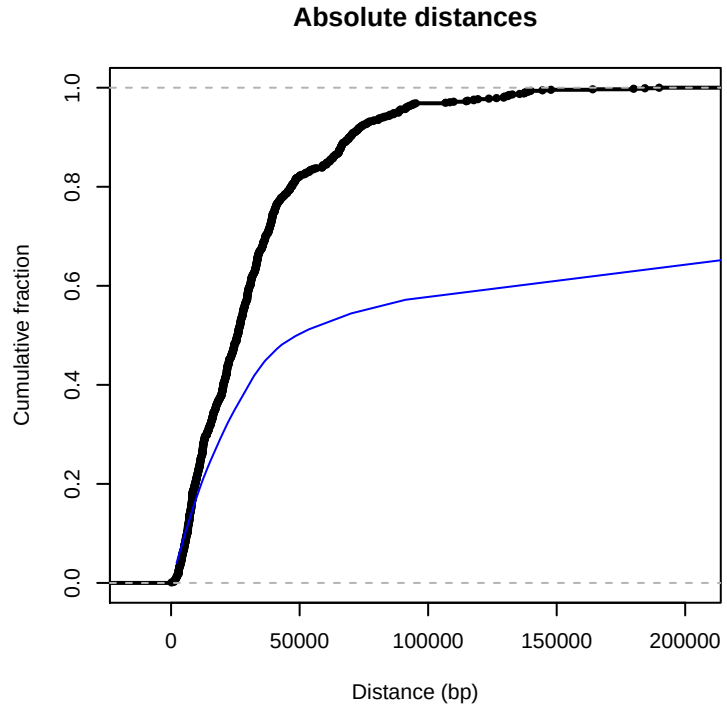
Query population : 1175
Reference population : 26
Relative Ks p−value : 1.96509e−14
Relative ecdf deviation area : 0.0204033
Relative ecdf area correlation : 0.0809611
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.78546e−08
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0874858

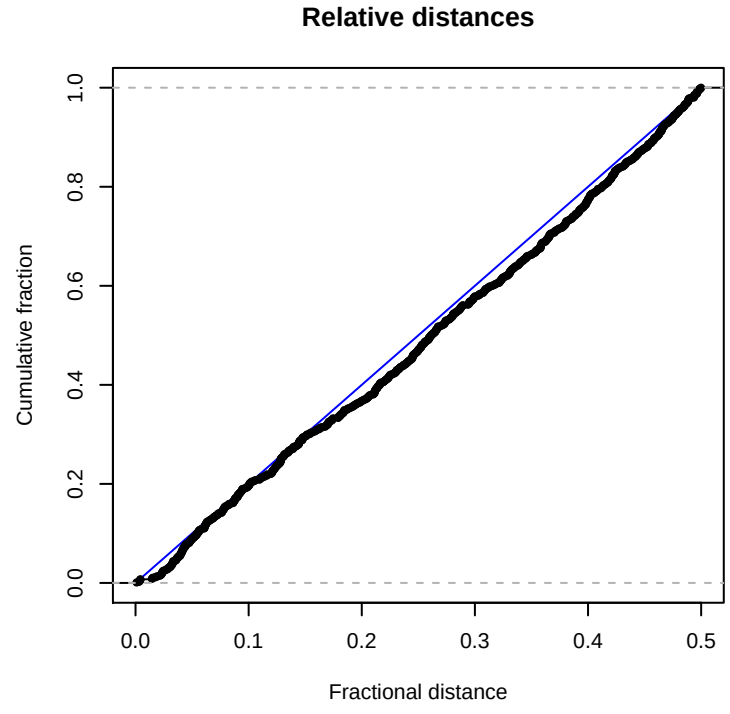




pcontig_009

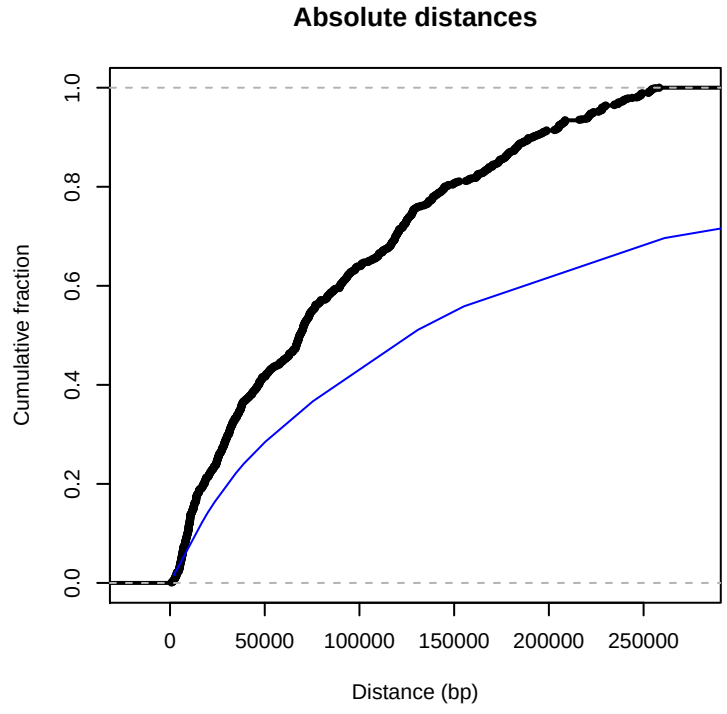
Query population : 954
Reference population : 29
Relative Ks p−value : 0.0829164
Relative ecdf deviation area : 0.0109818
Relative ecdf area correlation : −0.0424815
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 6.0211e−11
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0377366

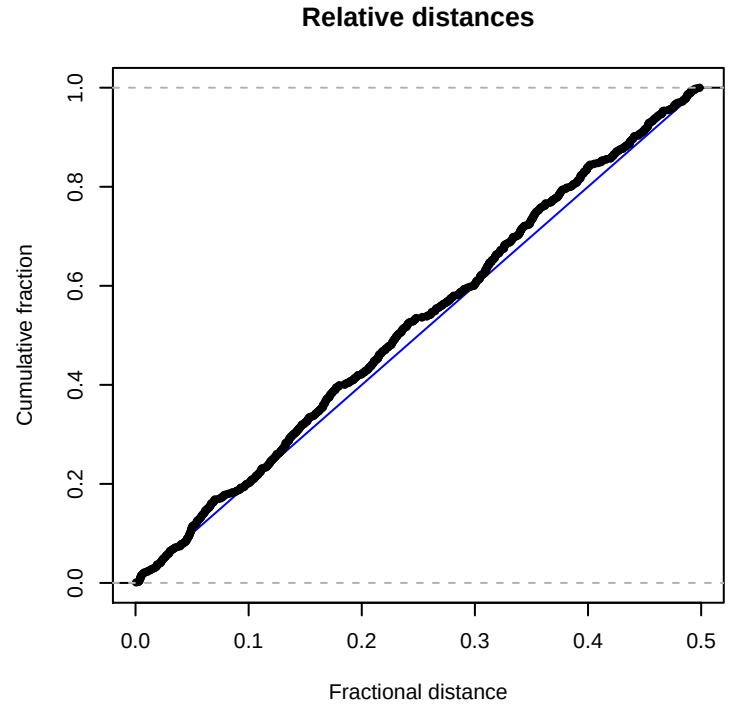




pcontig_010

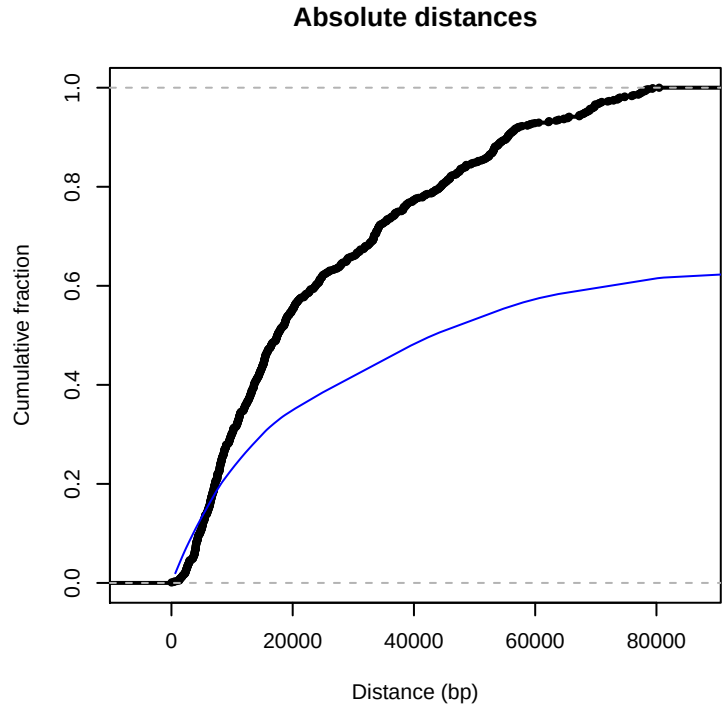
Query population : 972
Reference population : 12
Relative Ks p−value : 0.0627526
Relative ecdf deviation area : 0.00986977
Relative ecdf area correlation : 0.0383319
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000210649
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

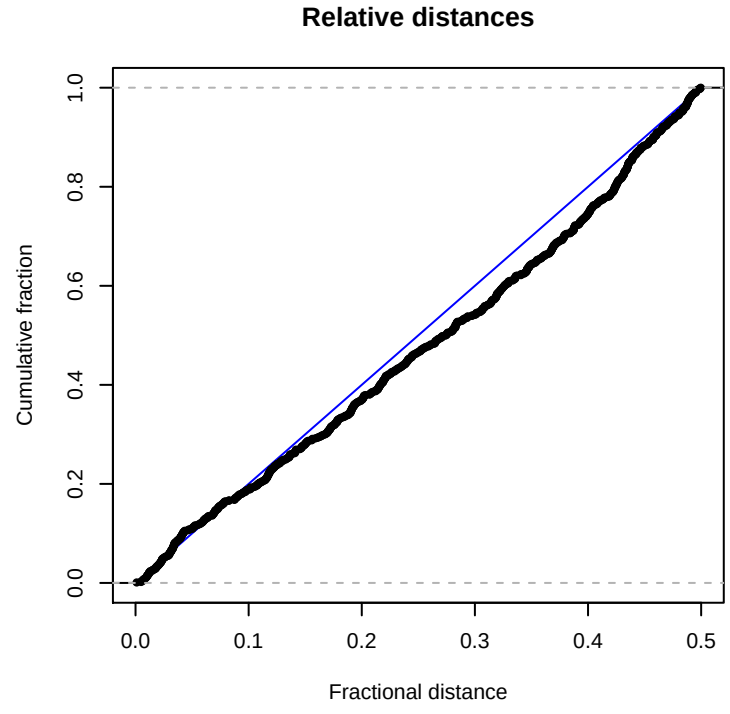




pcontig_011

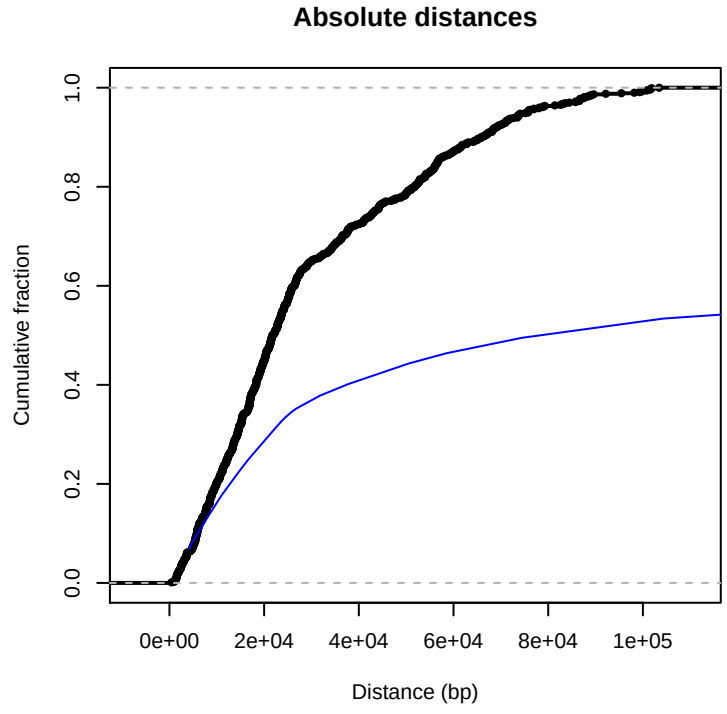
Query population : 1007
Reference population : 47
Relative Ks p−value : 0.000241103
Relative ecdf deviation area : 0.0151823
Relative ecdf area correlation : −0.058173
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 4.036e−12
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.107934

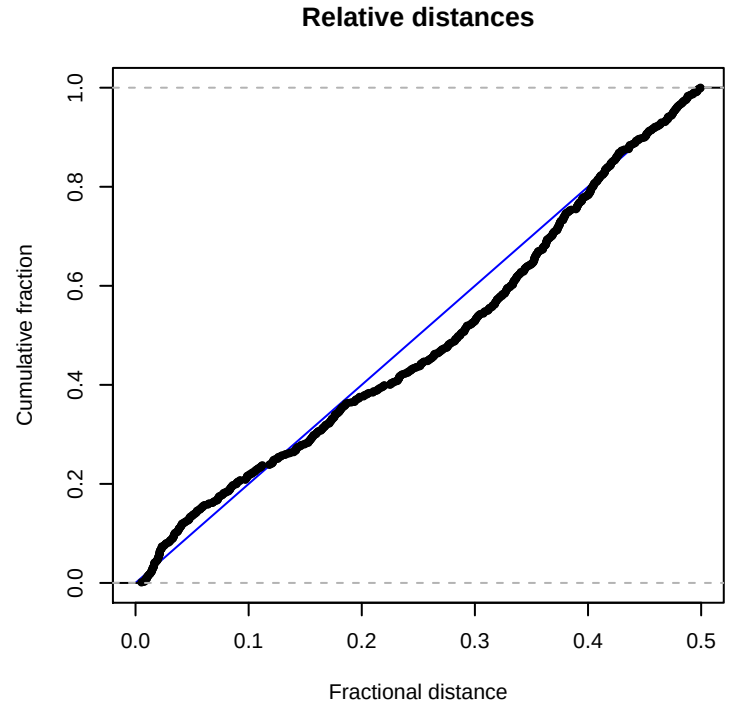




pcontig_012

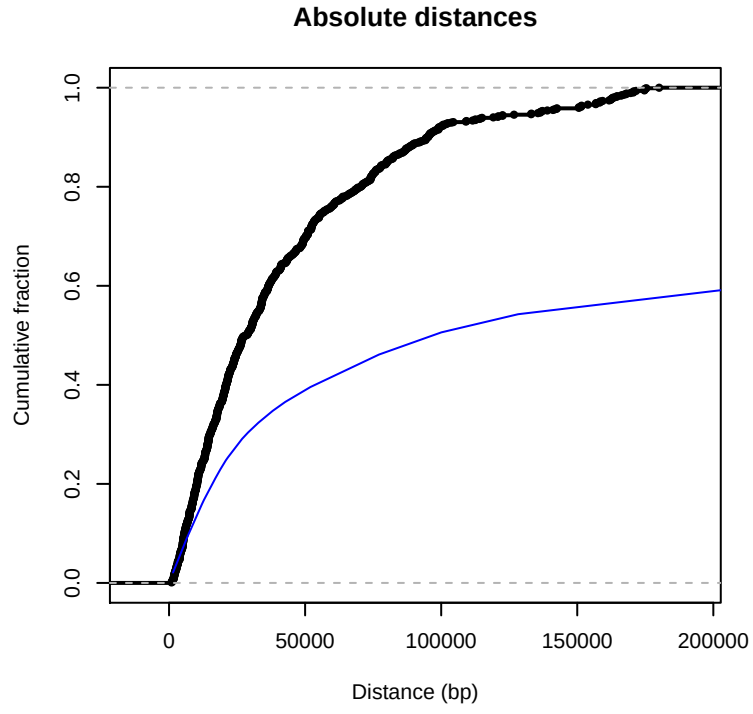
Query population : 897
Reference population : 26
Relative Ks p−value : 3.79359e−05
Relative ecdf deviation area : 0.0144062
Relative ecdf area correlation : −0.0369987
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000191662
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.237662

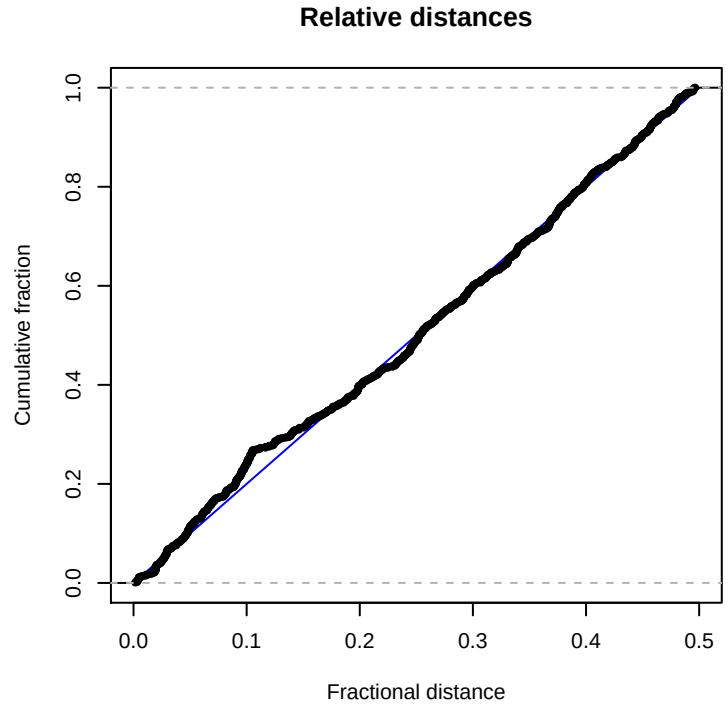




pcontig_013

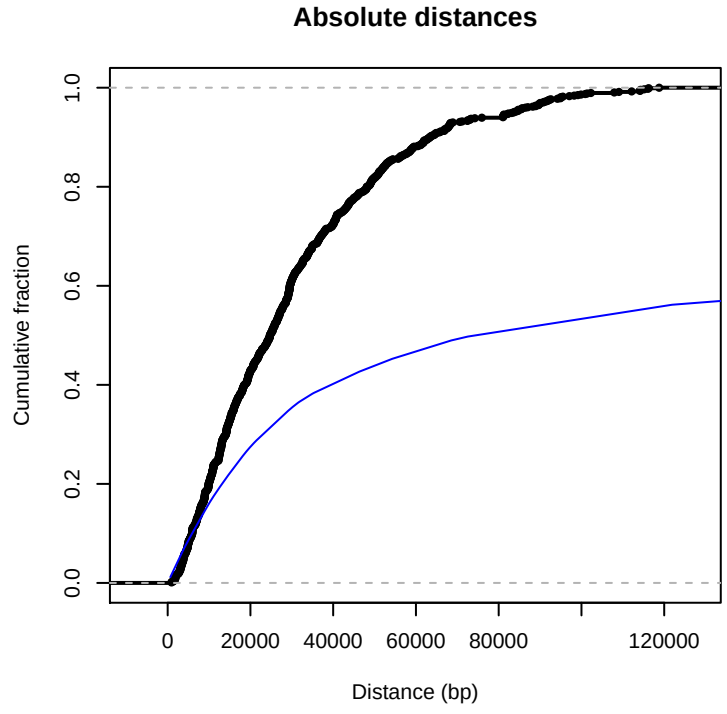
Query population : 936
Reference population : 22
Relative Ks p−value : 0.00447907
Relative ecdf deviation area : 0.00586475
Relative ecdf area correlation : 0.00751126
Relative ecdf deviation area p−value : 0.33
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.52164e−06
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0620673

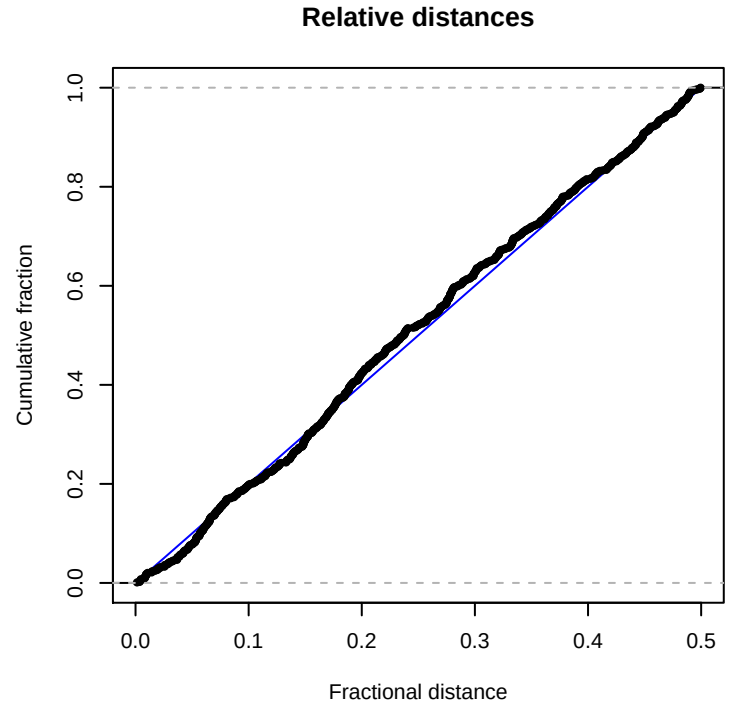




pcontig_014

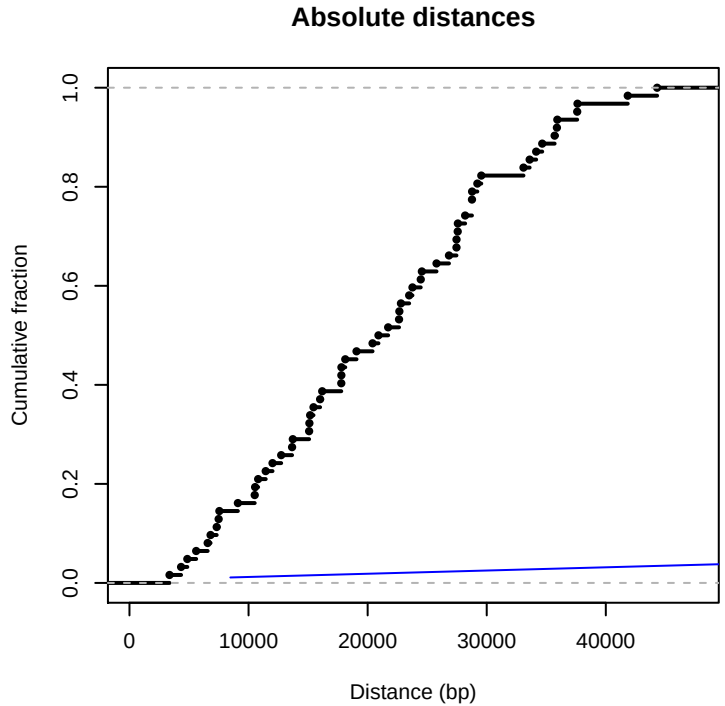
Query population : 941
Reference population : 28
Relative Ks p−value : 0.234605
Relative ecdf deviation area : 0.00705977
Relative ecdf area correlation : 0.0129696
Relative ecdf deviation area p−value : 0.12
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 7.04592e−10
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0416566

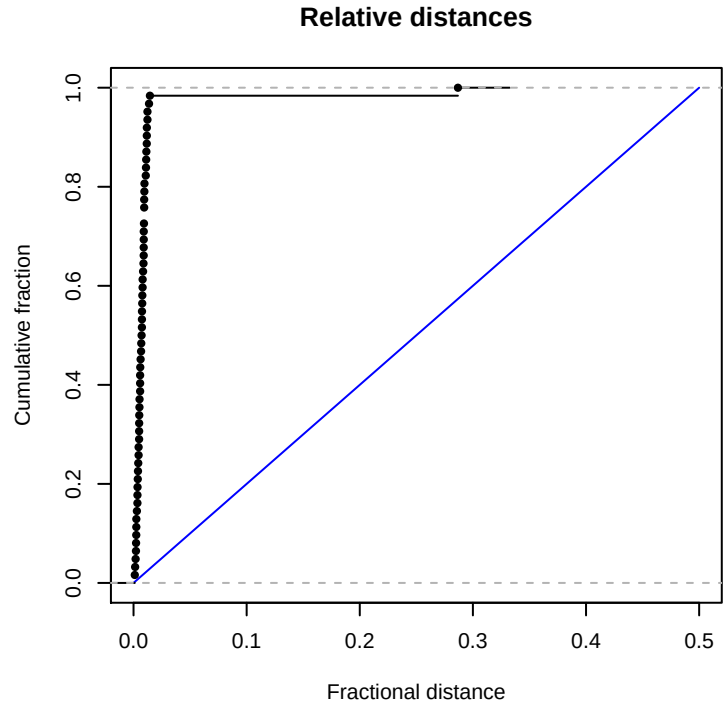




pcontig_015

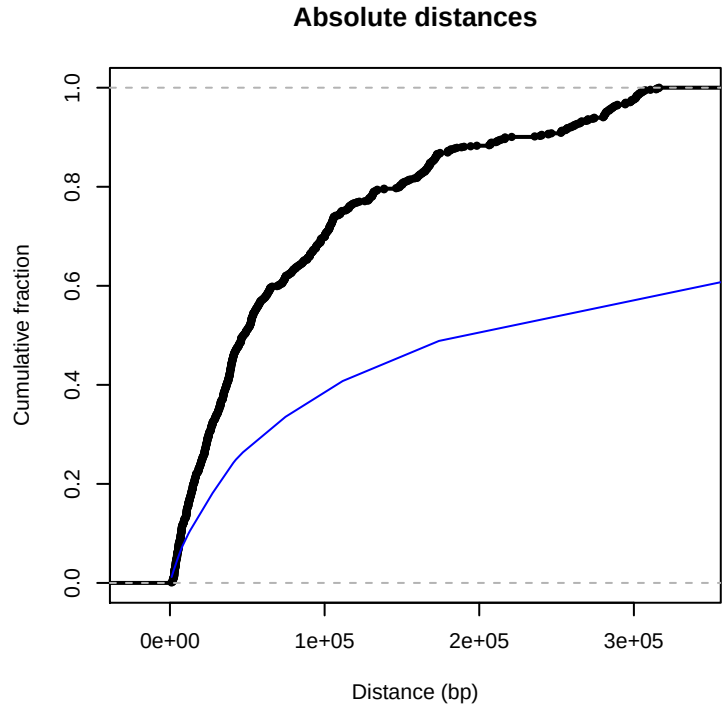
Query population : 62
Reference population : 2
Relative Ks p−value : 7.77156e−16
Relative ecdf deviation area : 0.23828
Relative ecdf area correlation : 0.95395
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0803378
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

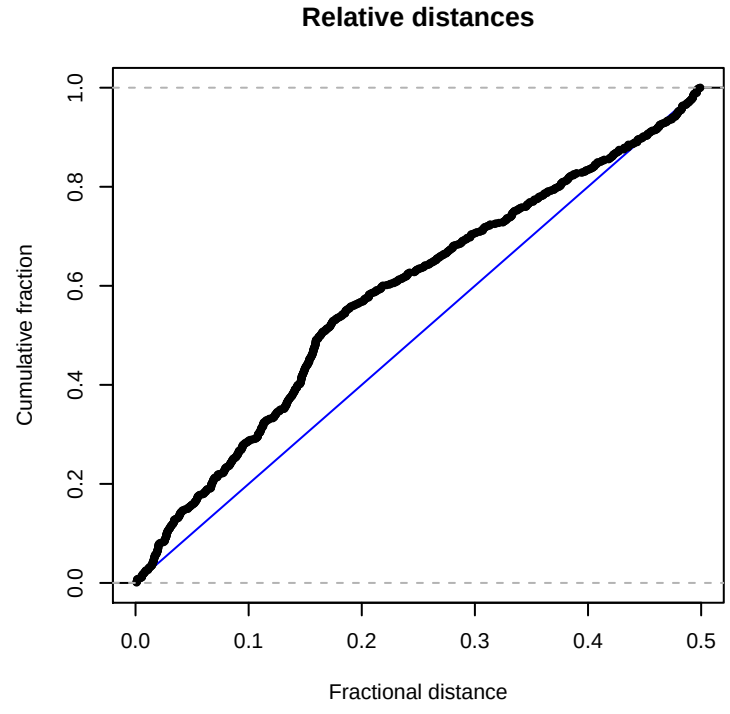




pcontig_016

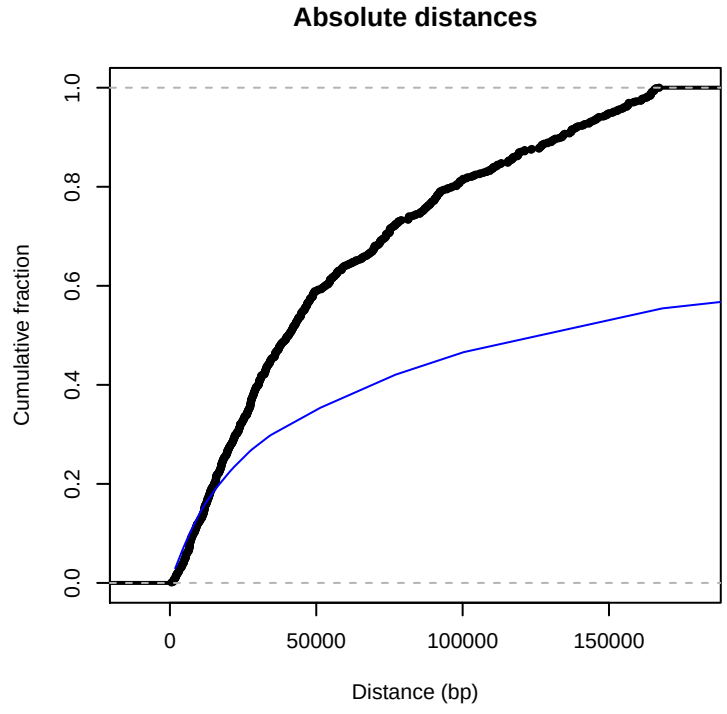
Query population : 956
Reference population : 17
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0400095
Relative ecdf area correlation : 0.157837
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 3.12674e−07
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

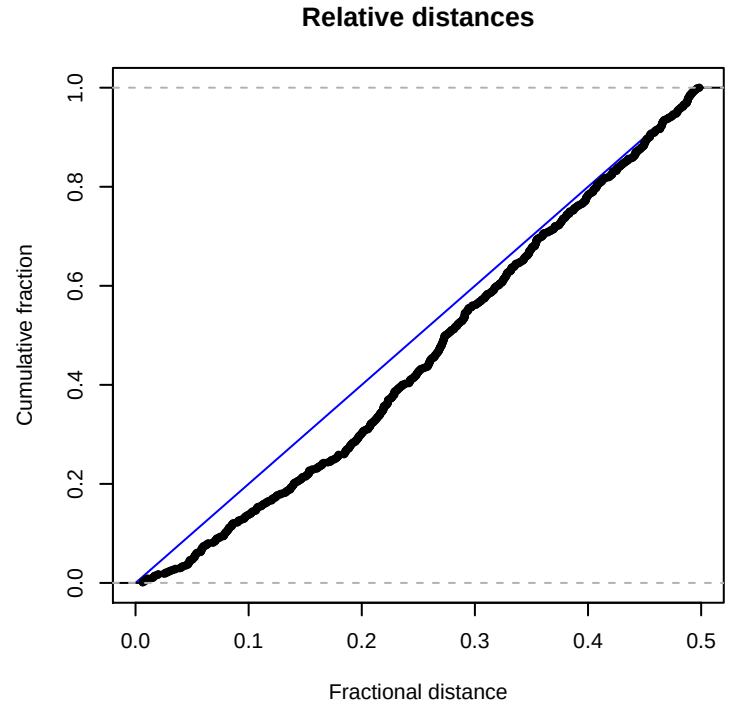




pcontig_017

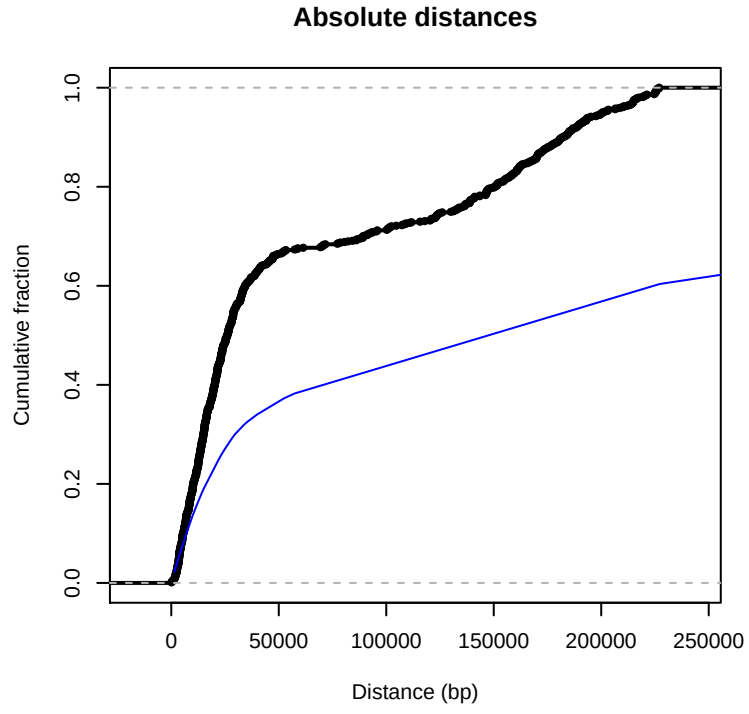
Query population : 912
Reference population : 25
Relative Ks p−value : 5.28641e−10
Relative ecdf deviation area : 0.0240333
Relative ecdf area correlation : −0.0954446
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.81928e−06
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0628077

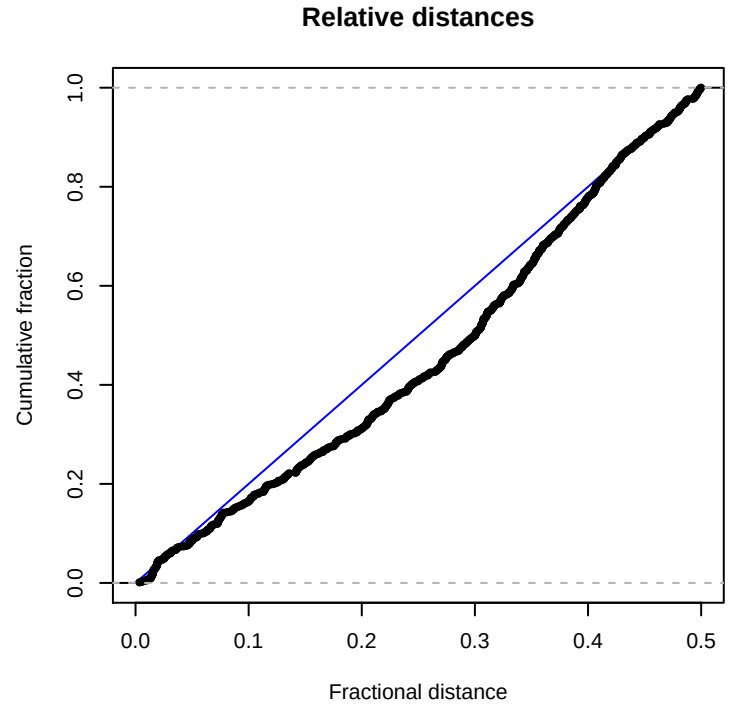




pcontig_018

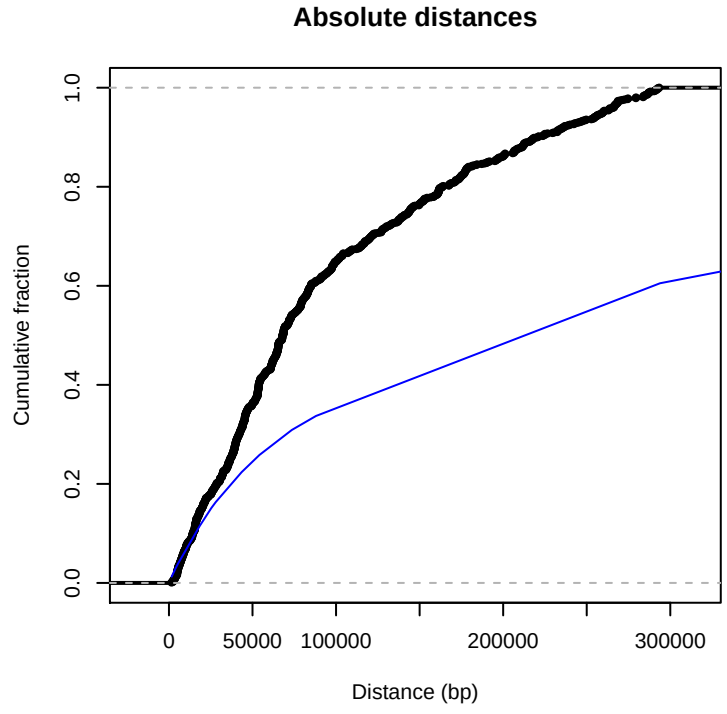
Query population : 854
Reference population : 24
Relative Ks p−value : 1.34048e−08
Relative ecdf deviation area : 0.022979
Relative ecdf area correlation : −0.0910416
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000826702
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.267555

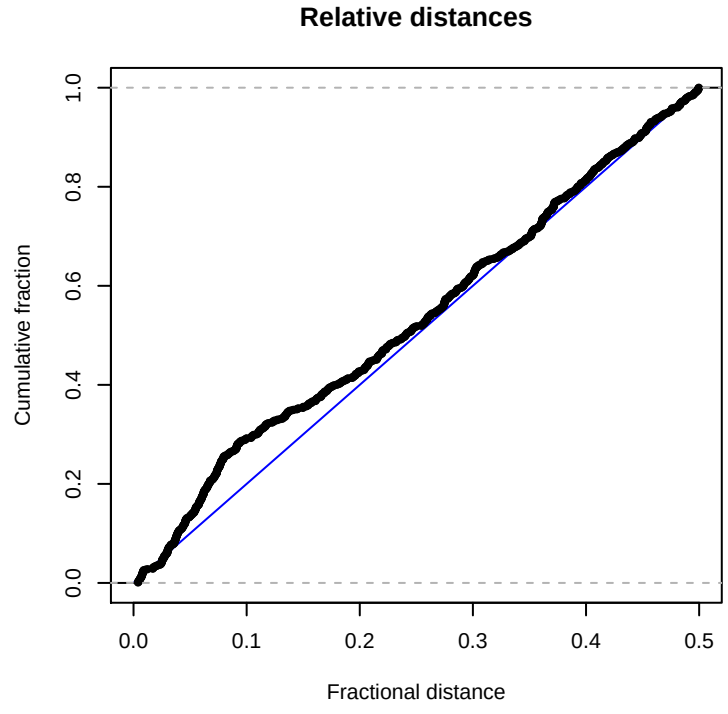




pcontig_019

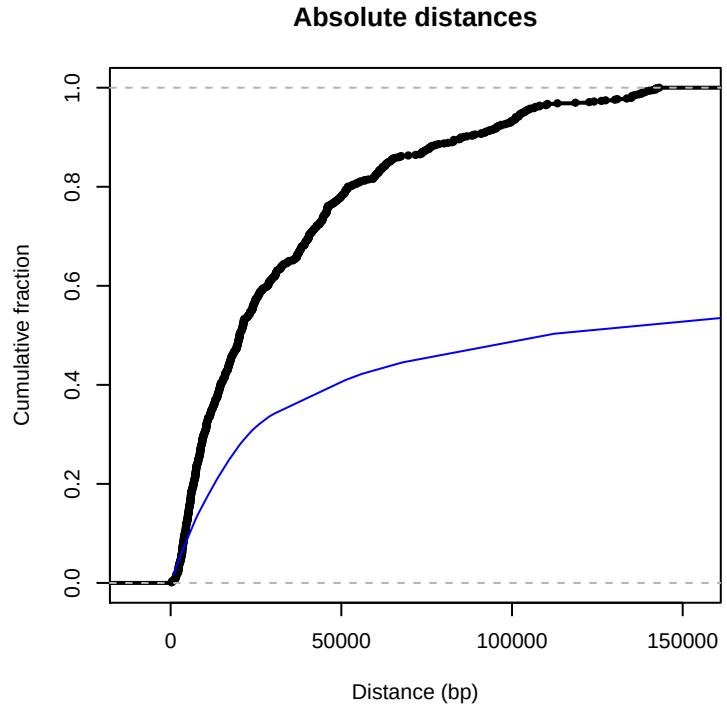
Query population : 1007
Reference population : 12
Relative Ks p−value : 1.41594e−08
Relative ecdf deviation area : 0.0140486
Relative ecdf area correlation : 0.0558842
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 5.56869e−05
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

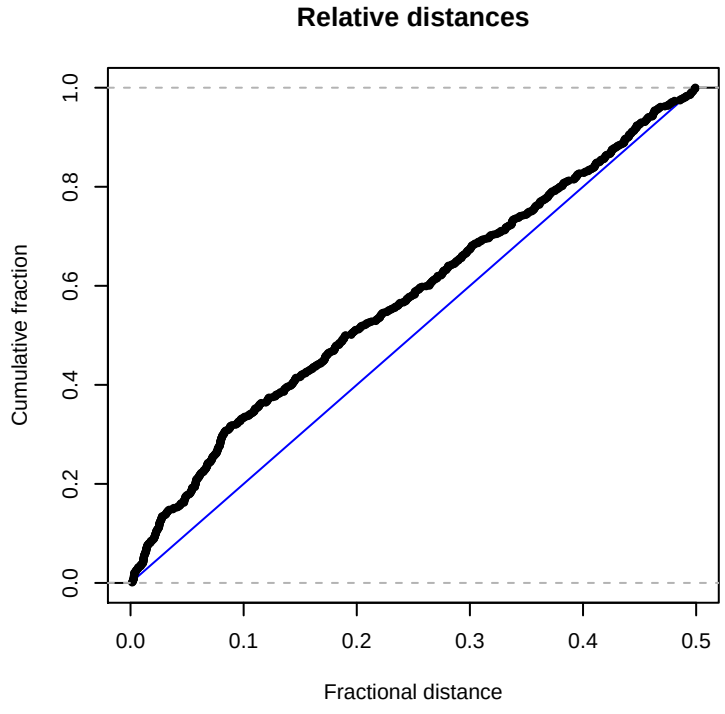




pcontig_020

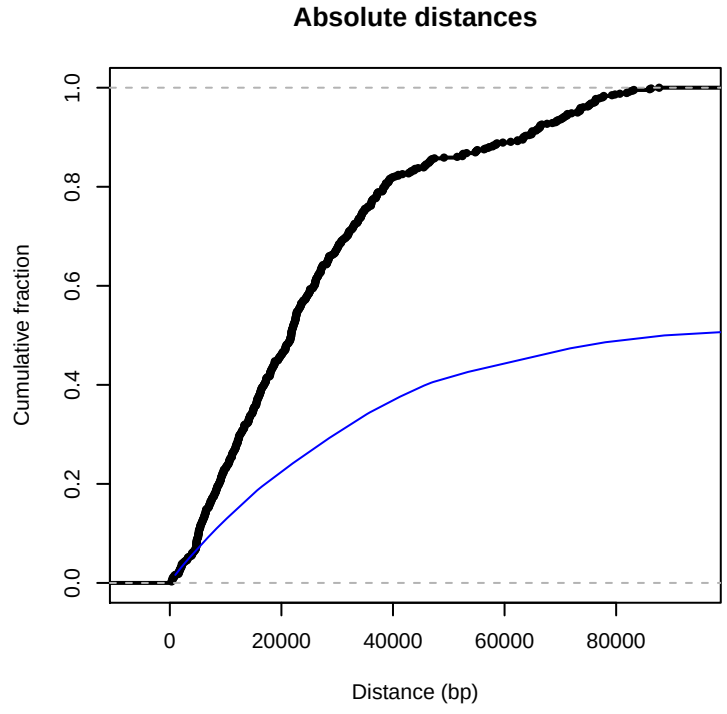
Query population : 826
Reference population : 32
Relative Ks p−value : 1.83187e−14
Relative ecdf deviation area : 0.0352632
Relative ecdf area correlation : 0.140663
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.26274e−05
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.205575

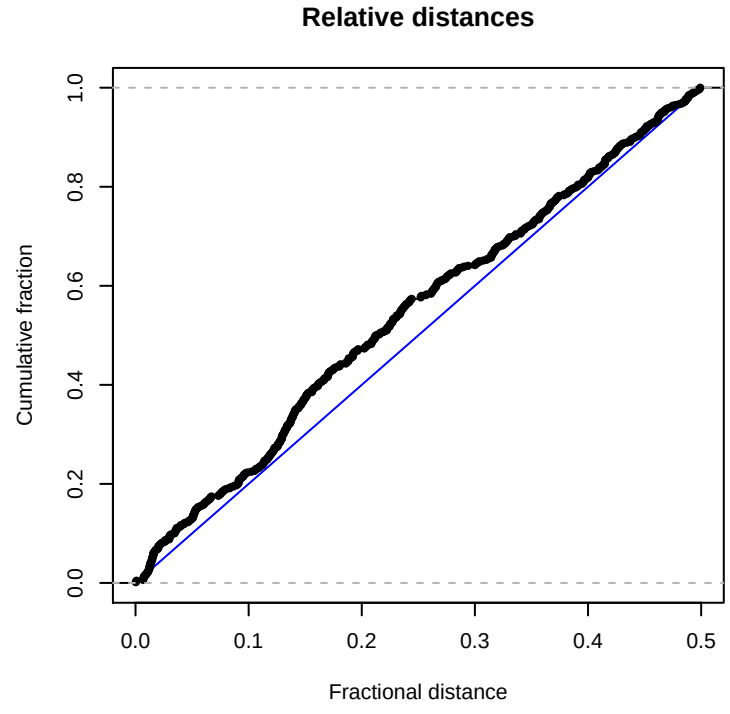




pcontig_021

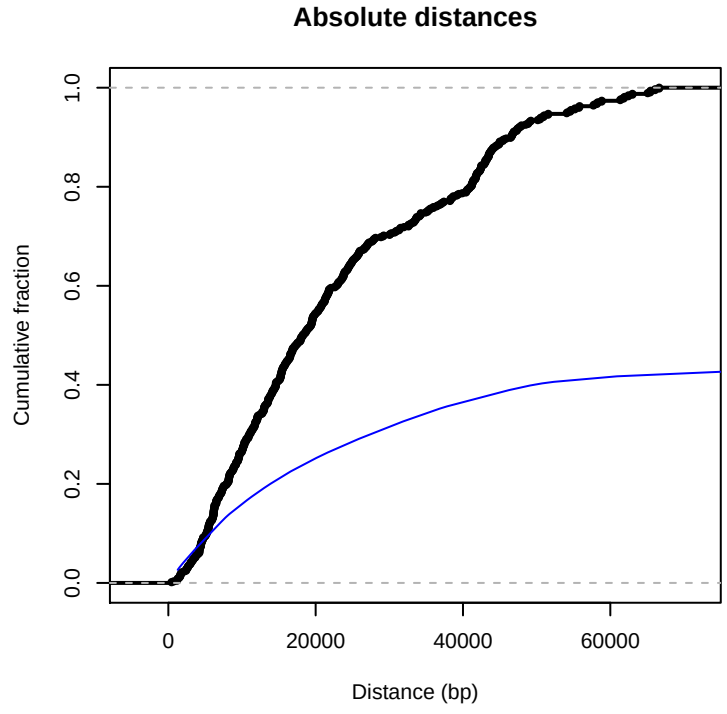
Query population : 659
Reference population : 25
Relative Ks p−value : 0.000122771
Relative ecdf deviation area : 0.0192829
Relative ecdf area correlation : 0.0772868
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.48
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.37138
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.03965

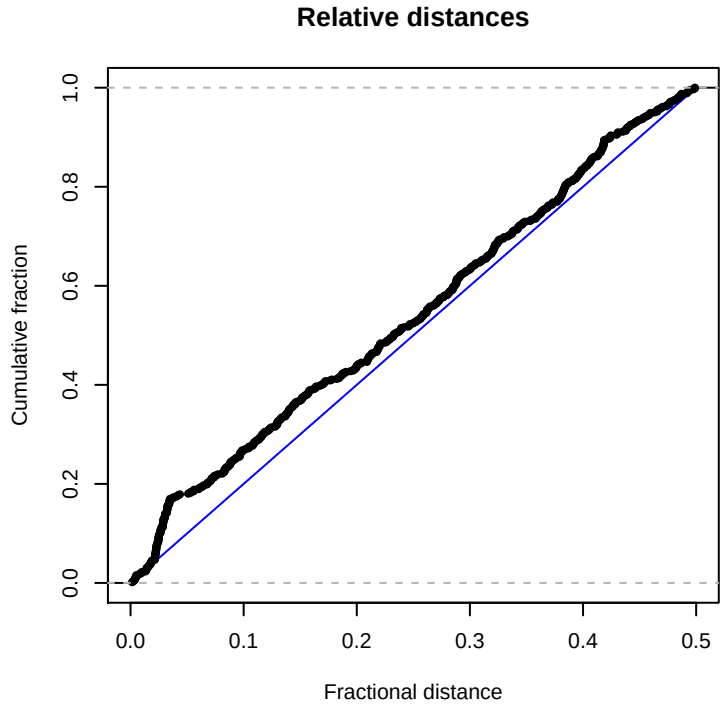




pcontig_022

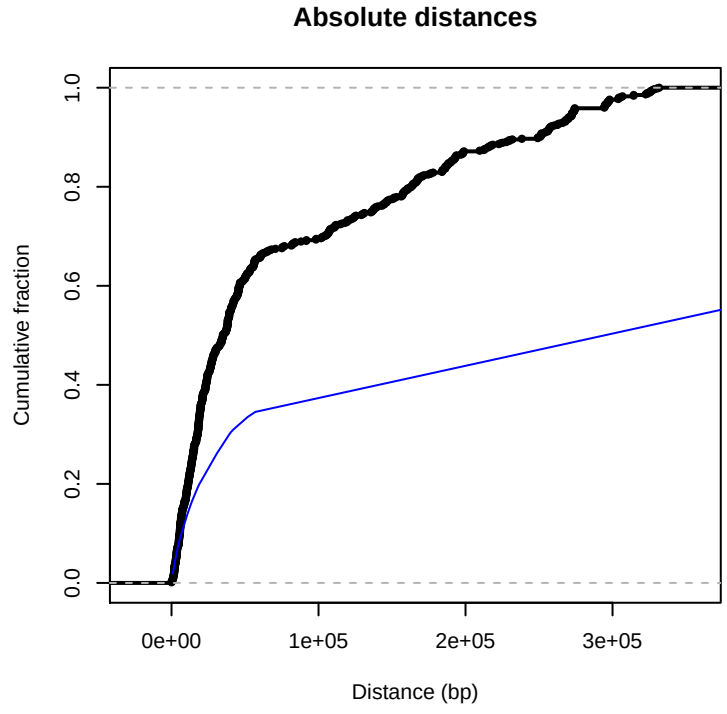
Query population : 643
Reference population : 32
Relative Ks p−value : 5.40968e−06
Relative ecdf deviation area : 0.0200055
Relative ecdf area correlation : 0.0808618
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.26
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00016272
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.150975

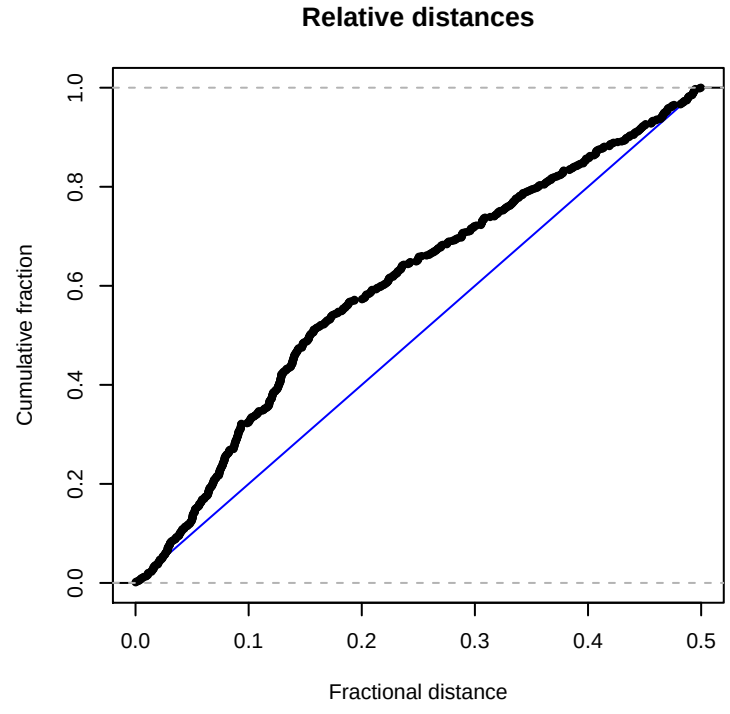




pcontig_023

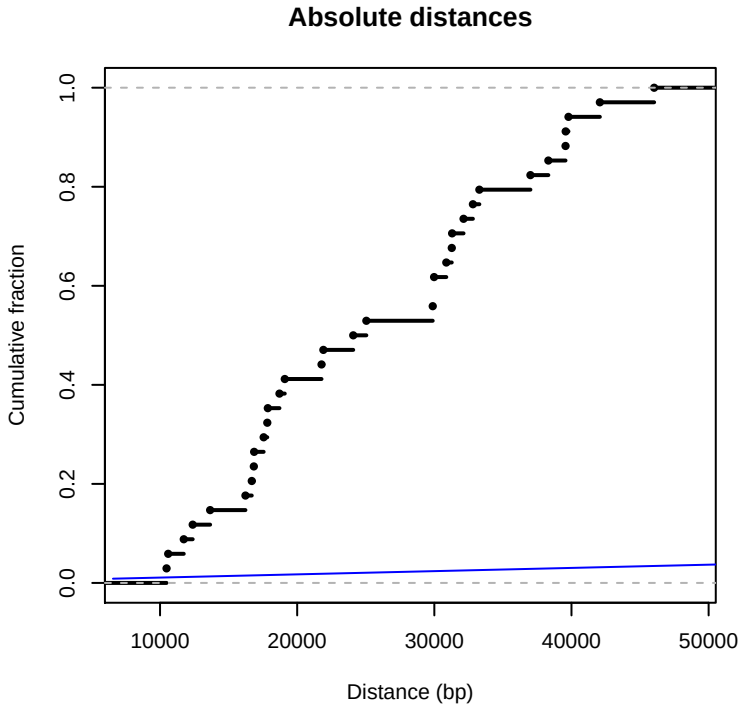
Query population : 747
Reference population : 31
Relative Ks p−value : 0
Relative ecdf deviation area : 0.04765
Relative ecdf area correlation : 0.190419
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00014084
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.232661

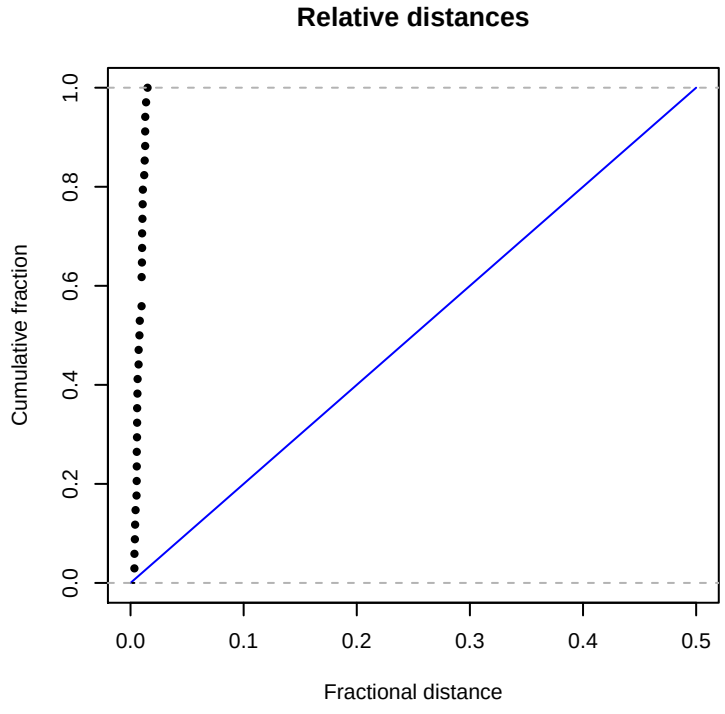




pcontig_024

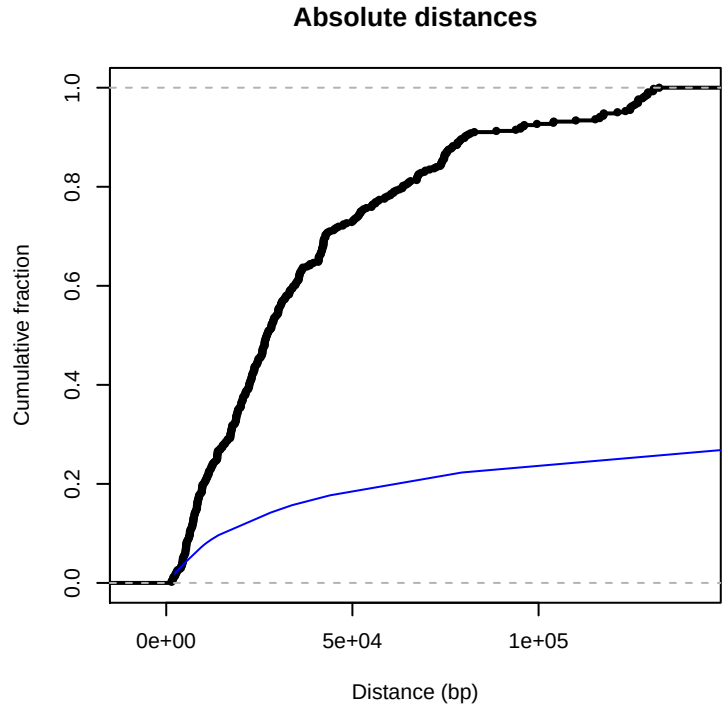
Query population : 34
Reference population : 2
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.241704
Relative ecdf area correlation : 0.966426
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.14
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0733163
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

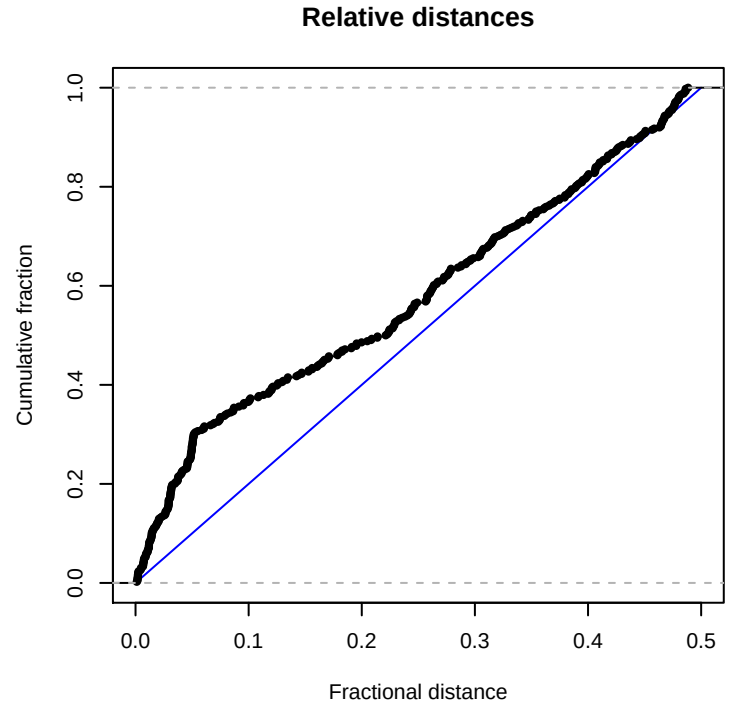




pcontig_025

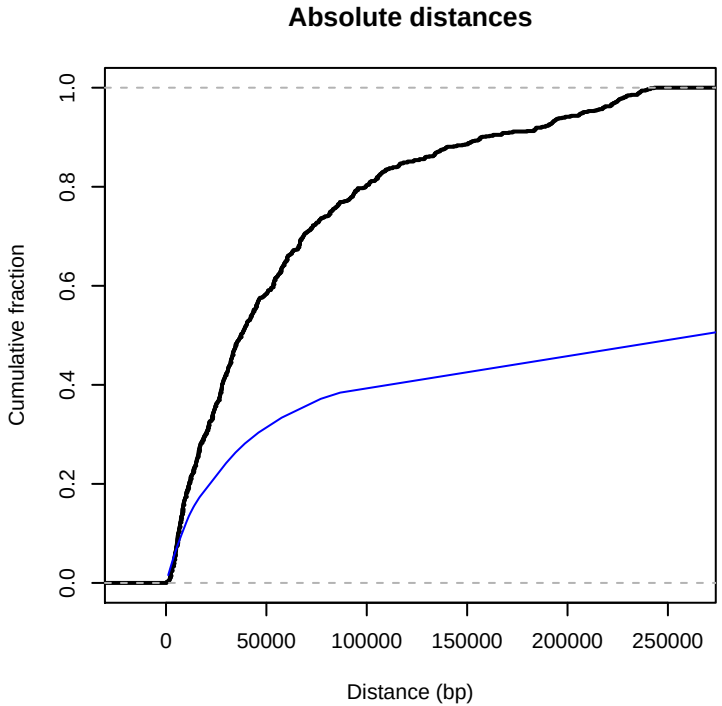
Query population : 424
Reference population : 13
Relative Ks p−value : 6.32827e−15
Relative ecdf deviation area : 0.0380383
Relative ecdf area correlation : 0.152098
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0134487
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.15982

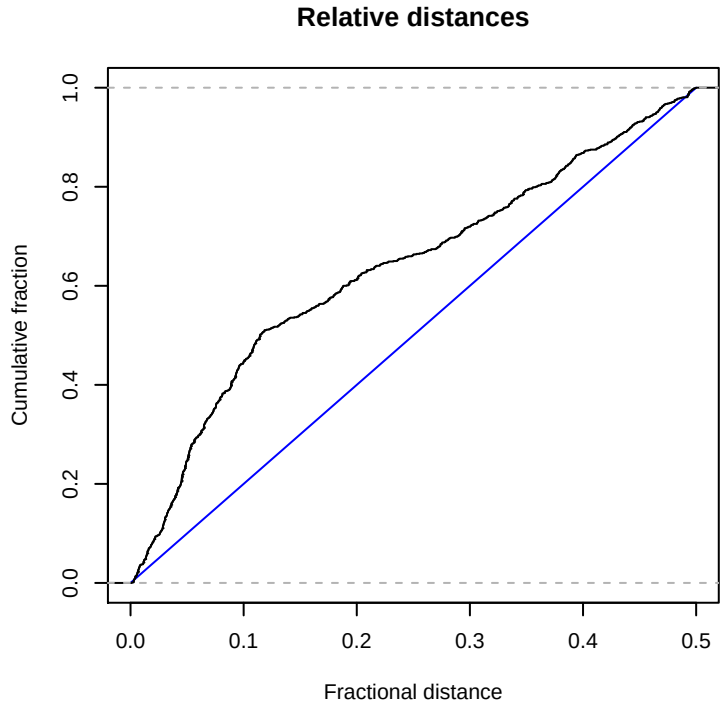




pcontig_026

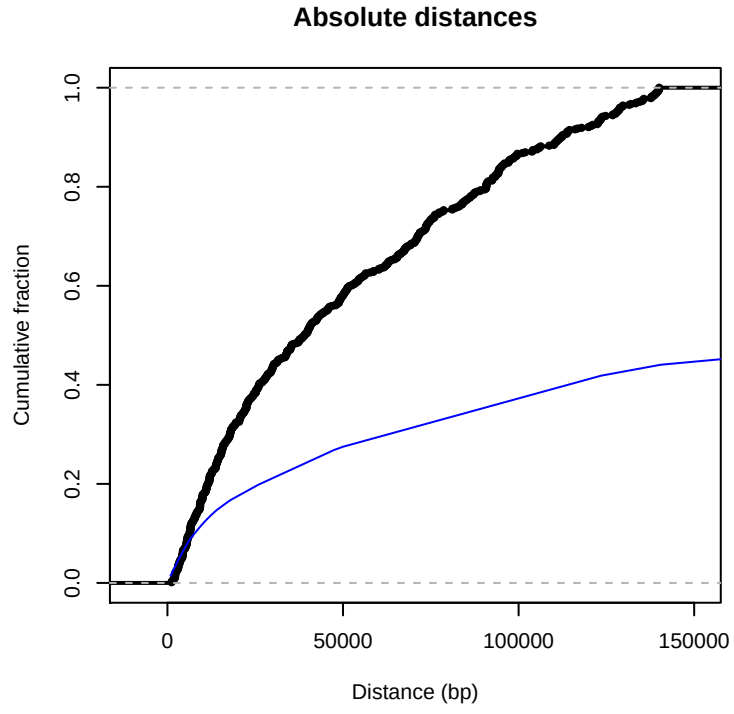
Query population : 1040
Reference population : 22
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0655957
Relative ecdf area correlation : 0.262053
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.46234e−05
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.165891

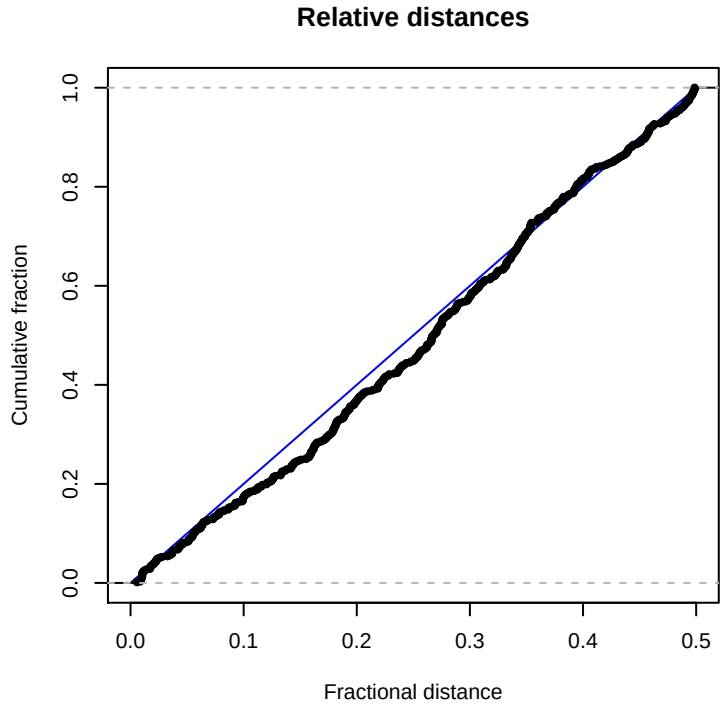




pcontig_027

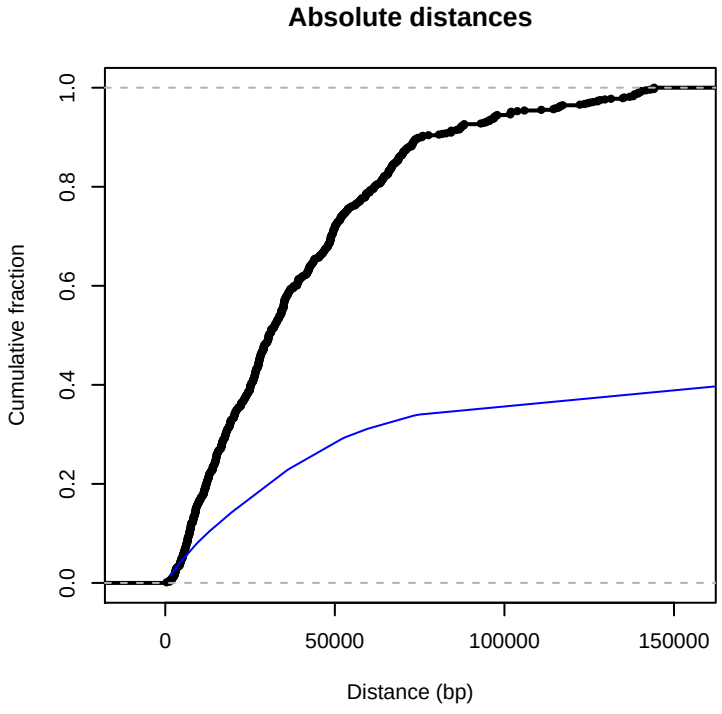
Query population : 667
Reference population : 25
Relative Ks p−value : 0.00996307
Relative ecdf deviation area : 0.0116601
Relative ecdf area correlation : −0.0402408
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.64922e−05
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.0736874

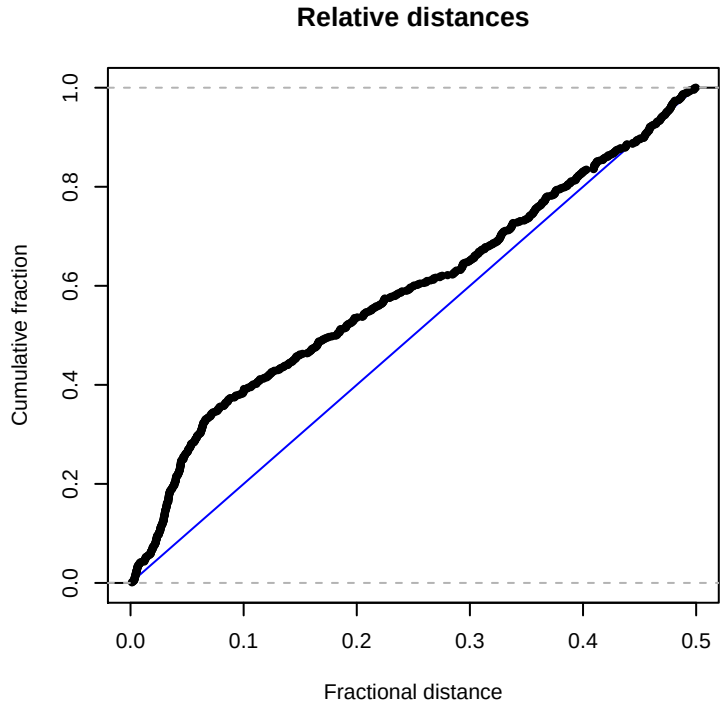




pcontig_028

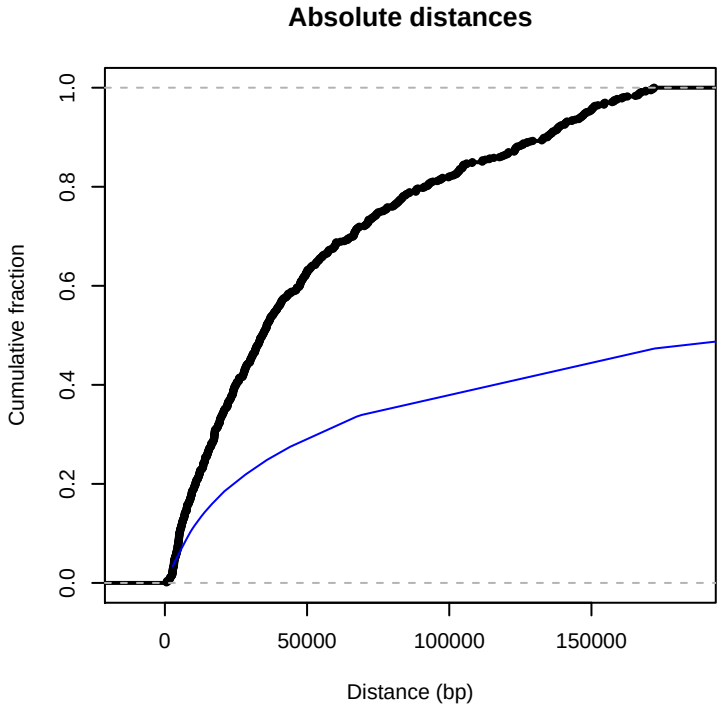
Query population : 761
Reference population : 15
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0429946
Relative ecdf area correlation : 0.171112
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00150344
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.114474

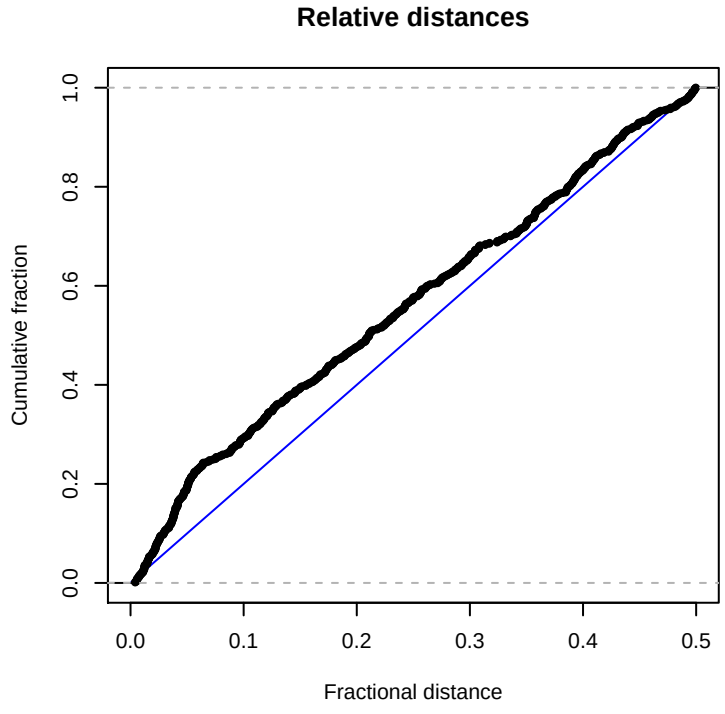




pcontig_029

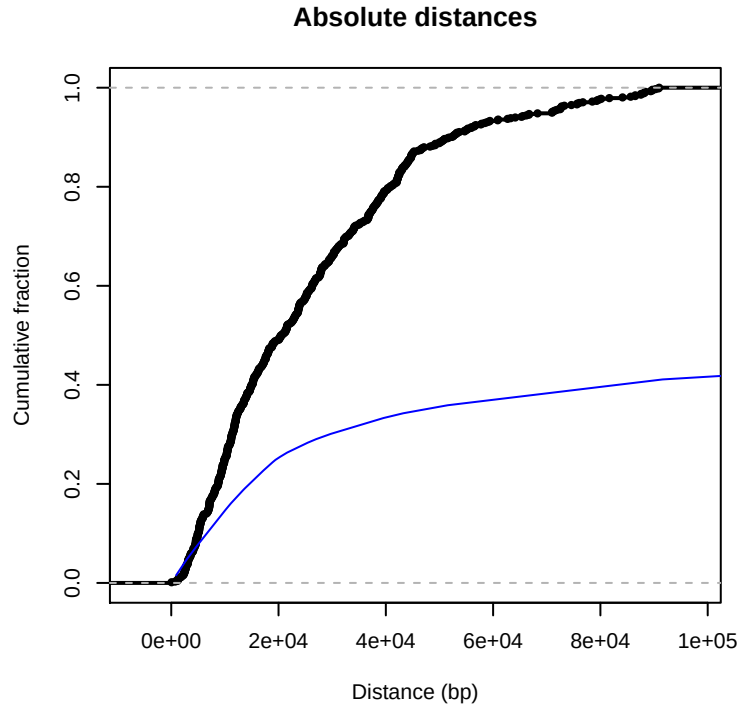
Query population : 791
Reference population : 19
Relative Ks p−value : 2.45577e−09
Relative ecdf deviation area : 0.0284686
Relative ecdf area correlation : 0.112248
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00060987
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.102819

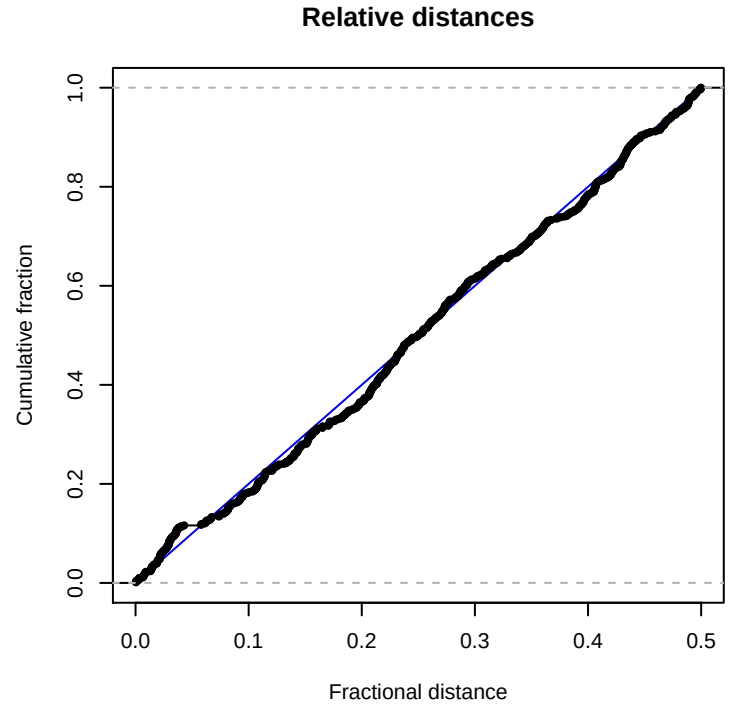




pcontig_030

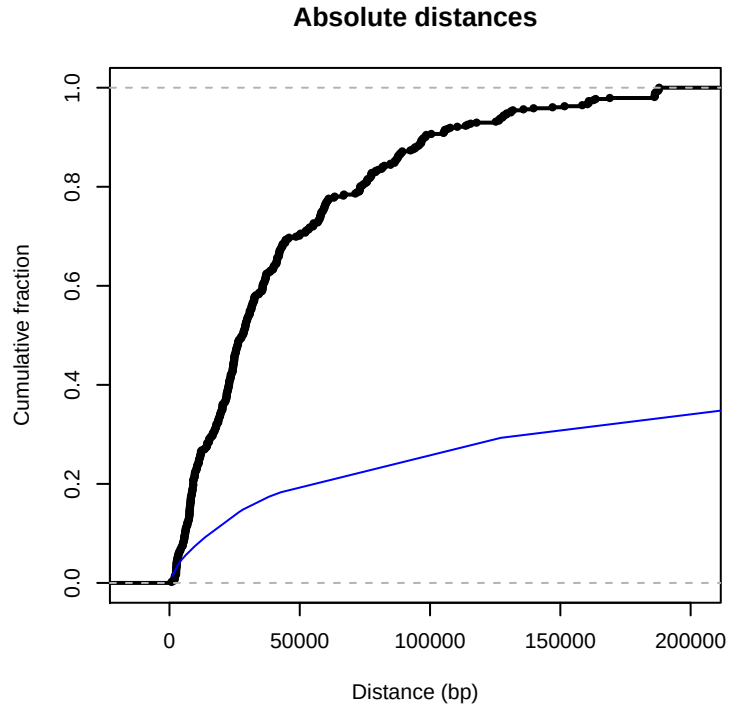
Query population : 715
Reference population : 26
Relative Ks p−value : 0.243969
Relative ecdf deviation area : 0.00644706
Relative ecdf area correlation : −0.0128363
Relative ecdf deviation area p−value : 0.29
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.18
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00473841
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.273057

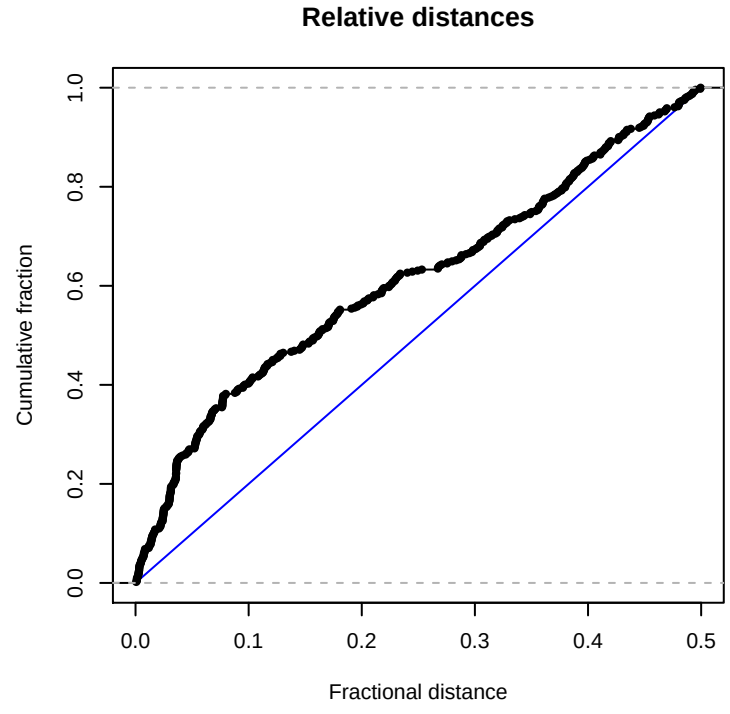




pcontig_031

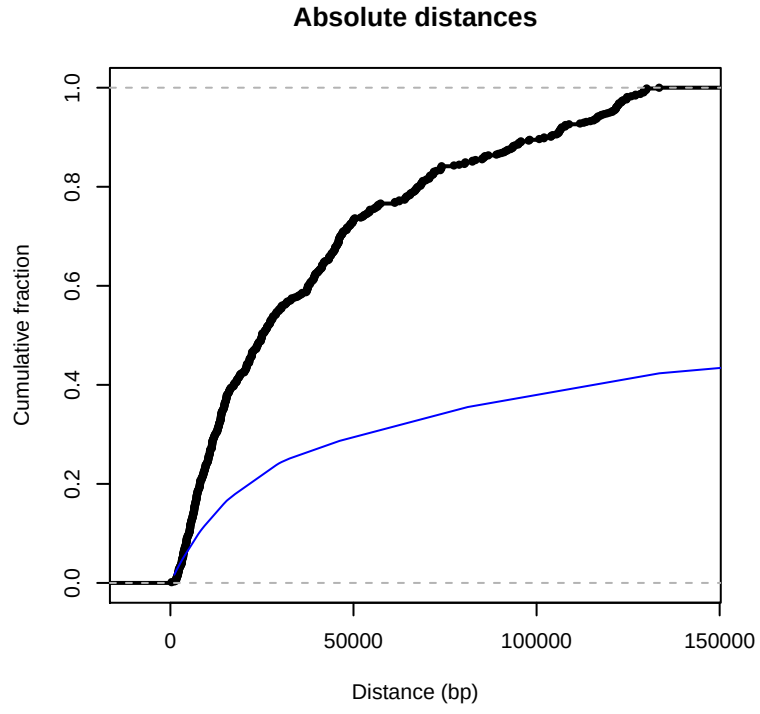
Query population : 482
Reference population : 19
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0543265
Relative ecdf area correlation : 0.21781
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00201769
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

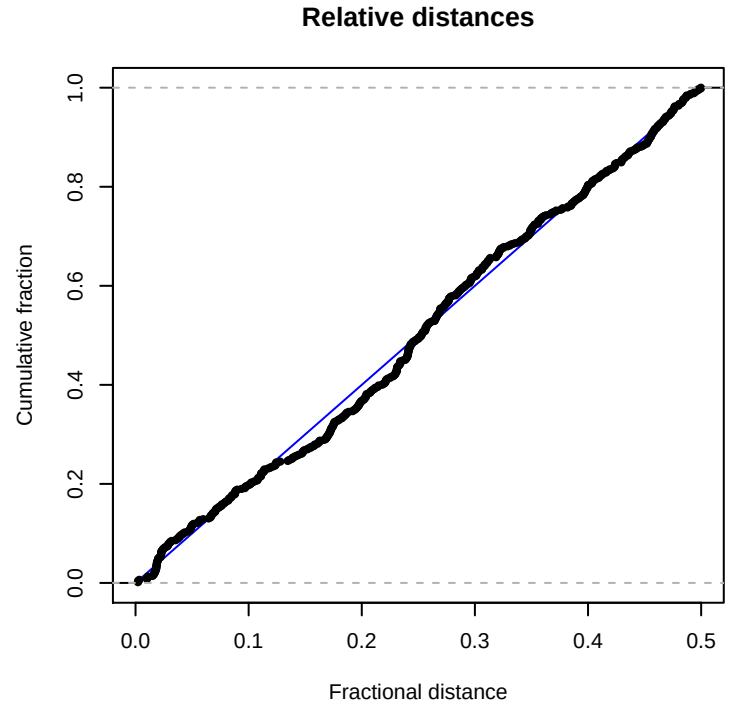




pcontig_033

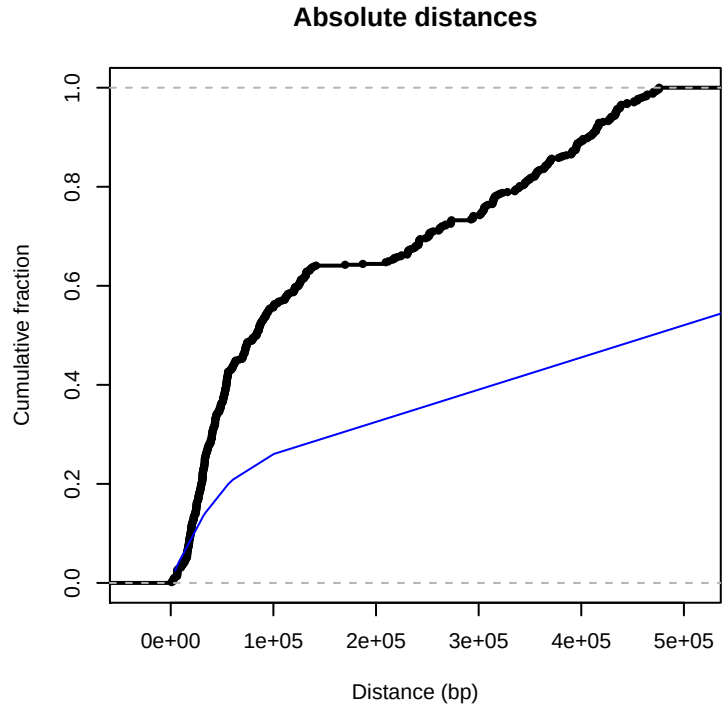
Query population : 637
Reference population : 24
Relative Ks p−value : 0.117283
Relative ecdf deviation area : 0.00734204
Relative ecdf area correlation : −0.00791138
Relative ecdf deviation area p−value : 0.26
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00406296
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.268352

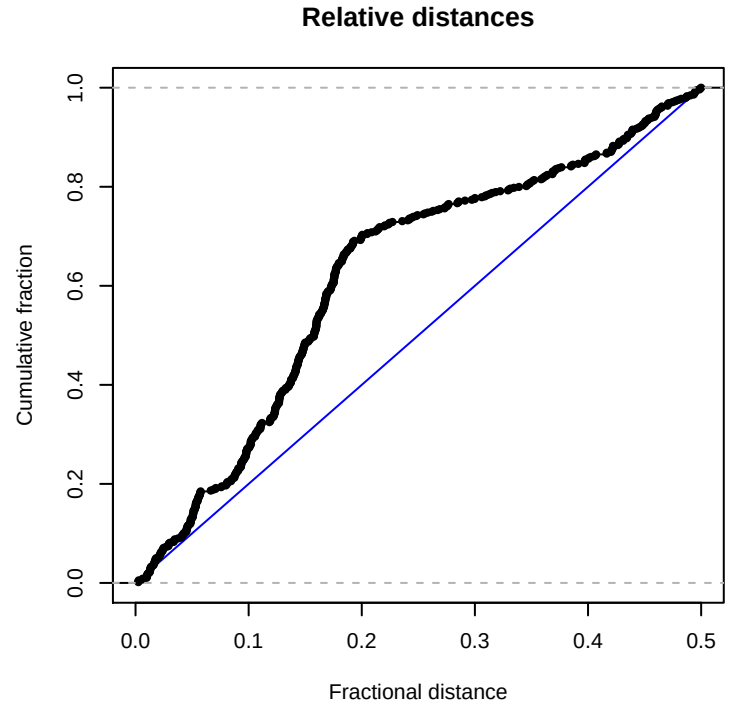




pcontig_034

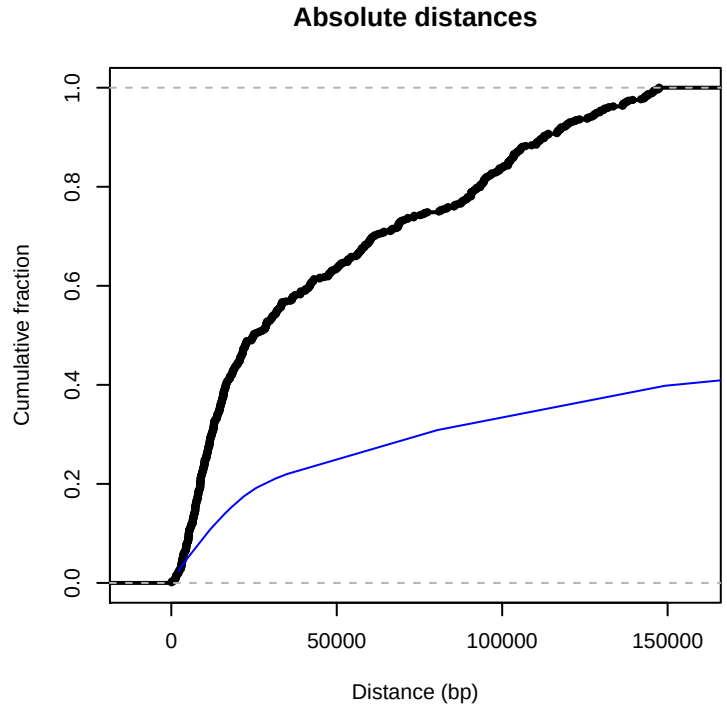
Query population : 579
Reference population : 9
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0593671
Relative ecdf area correlation : 0.237005
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00370076
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

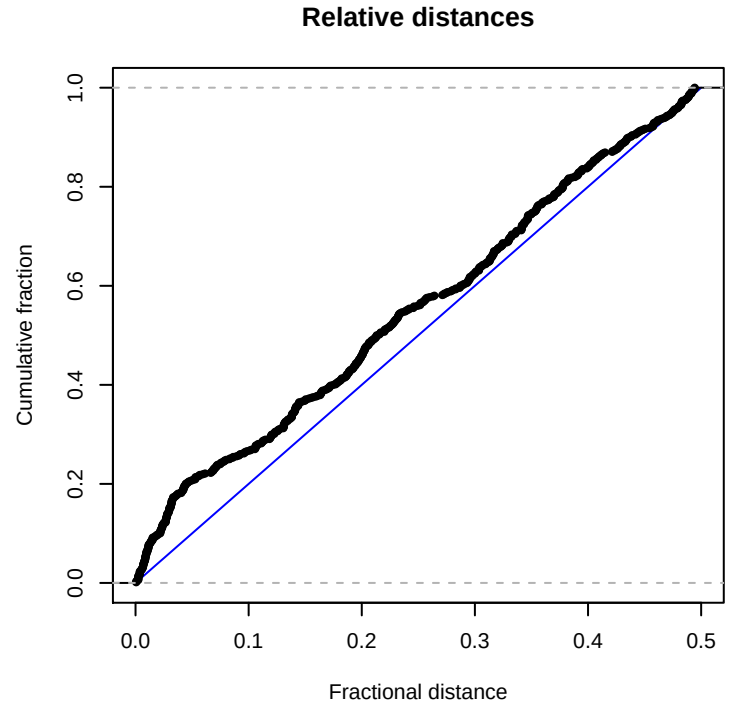




pcontig_035

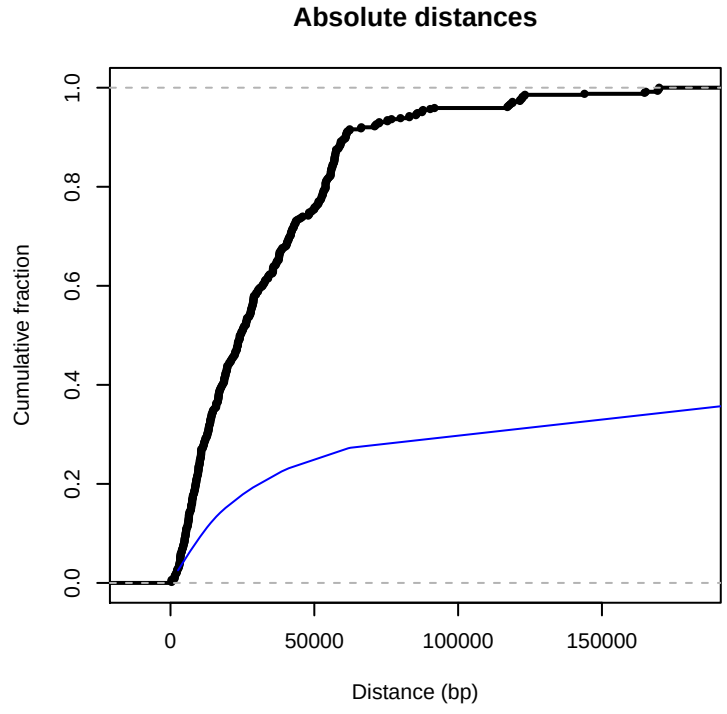
Query population : 688
Reference population : 17
Relative Ks p−value : 7.91055e−08
Relative ecdf deviation area : 0.0246984
Relative ecdf area correlation : 0.0979907
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.45
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0611106
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.454779

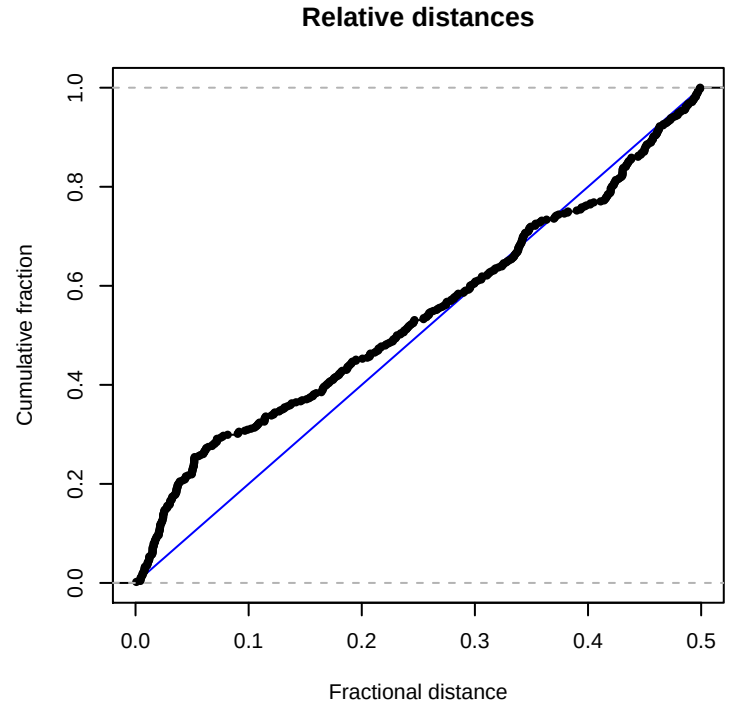




pcontig_036

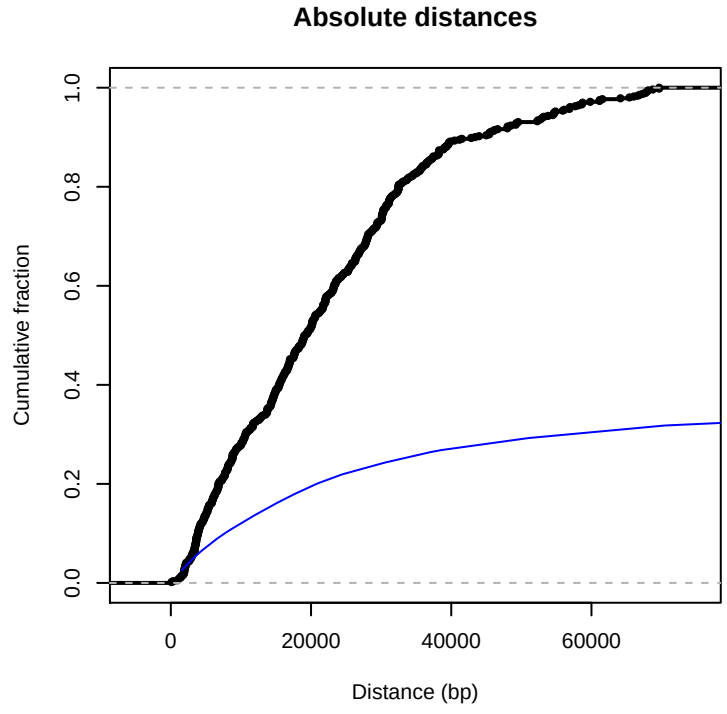
Query population : 488
Reference population : 15
Relative Ks p−value : 6.47294e−10
Relative ecdf deviation area : 0.0243776
Relative ecdf area correlation : 0.070312
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.171247
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.519887

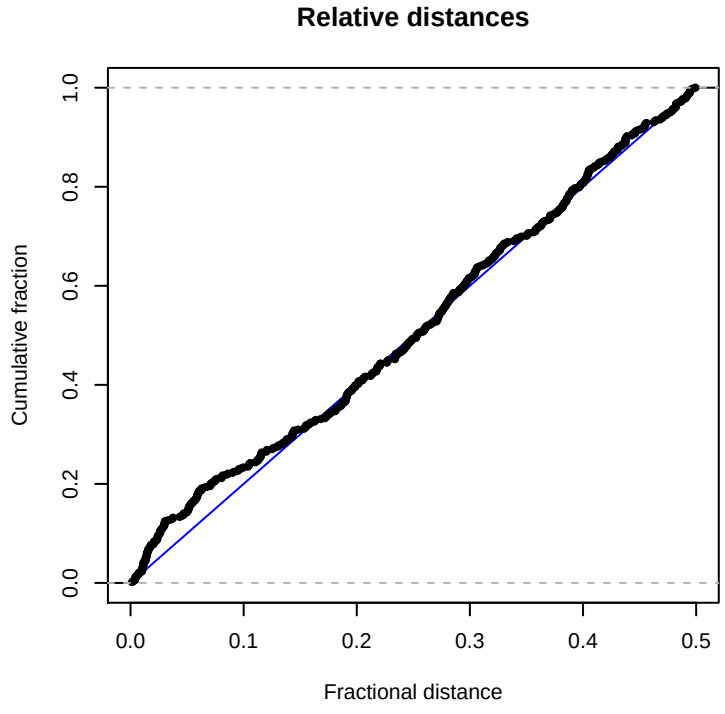




pcontig_037

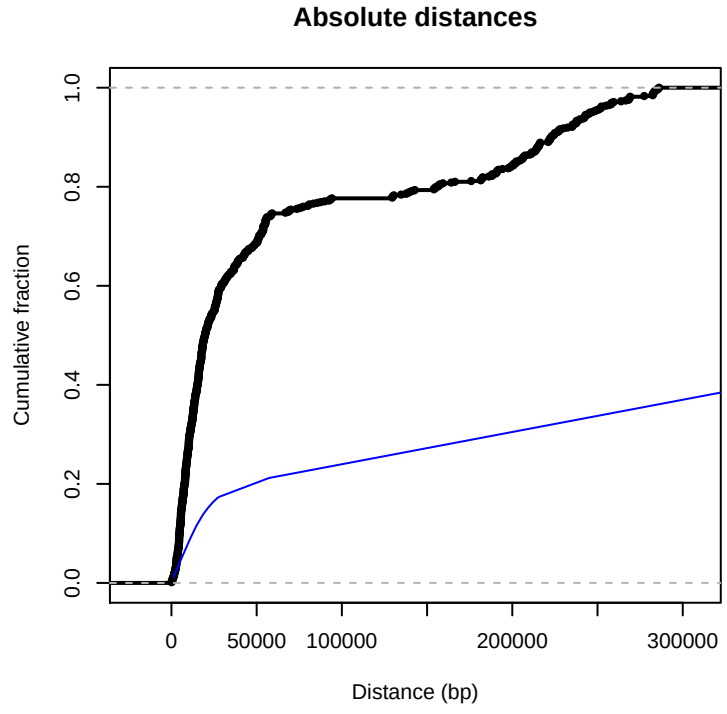
Query population : 562
Reference population : 25
Relative Ks p−value : 0.016757
Relative ecdf deviation area : 0.0084277
Relative ecdf area correlation : 0.0255423
Relative ecdf deviation area p−value : 0.2
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0132804
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.312544

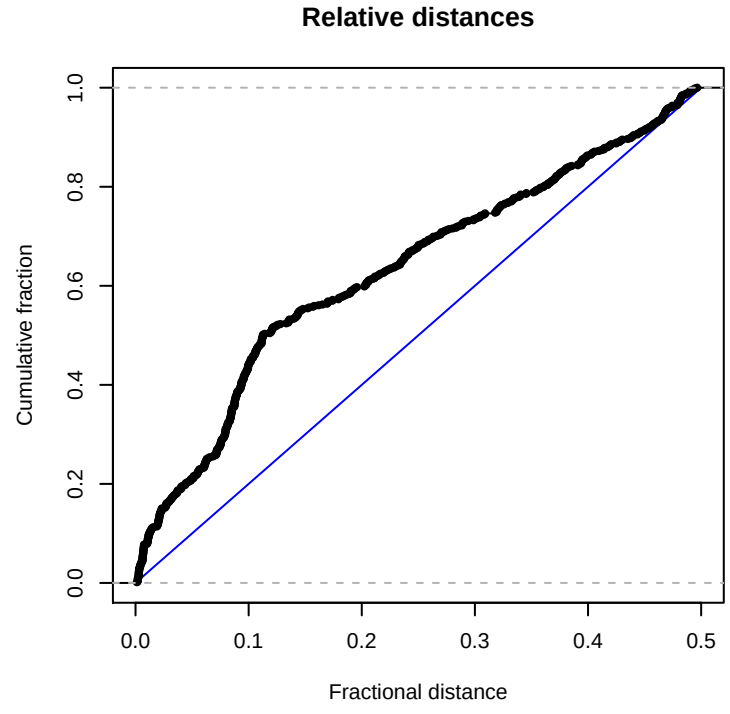




pcontig_039

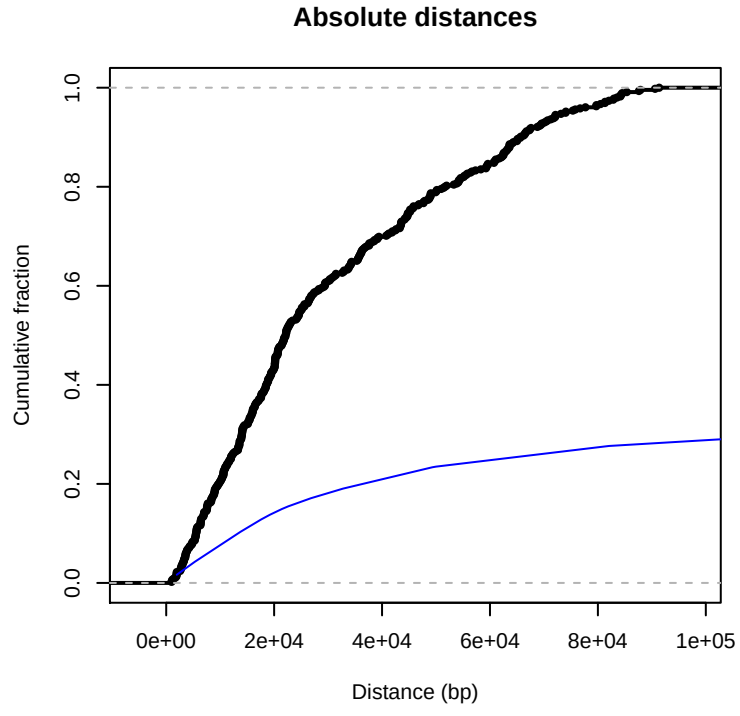
Query population : 658
Reference population : 14
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0646939
Relative ecdf area correlation : 0.259245
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.9813e−11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.15901

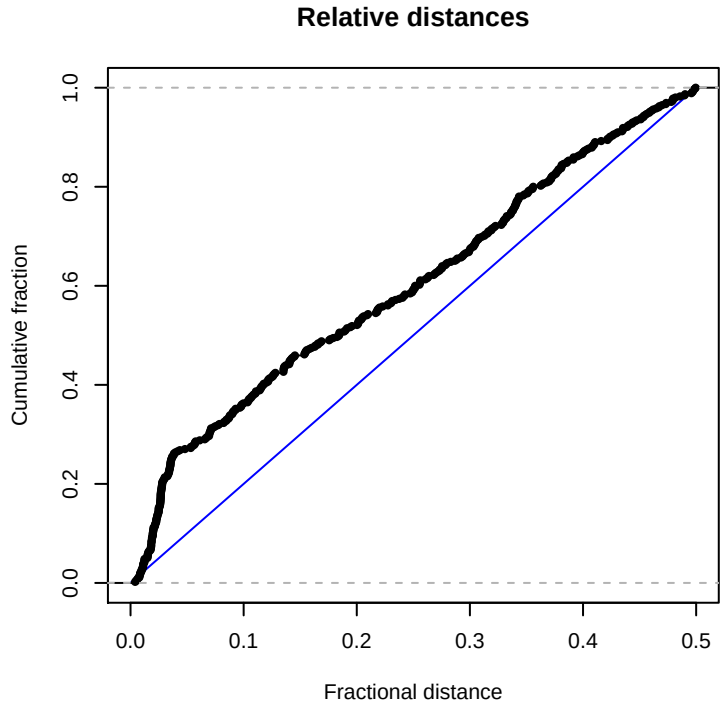




pcontig_040

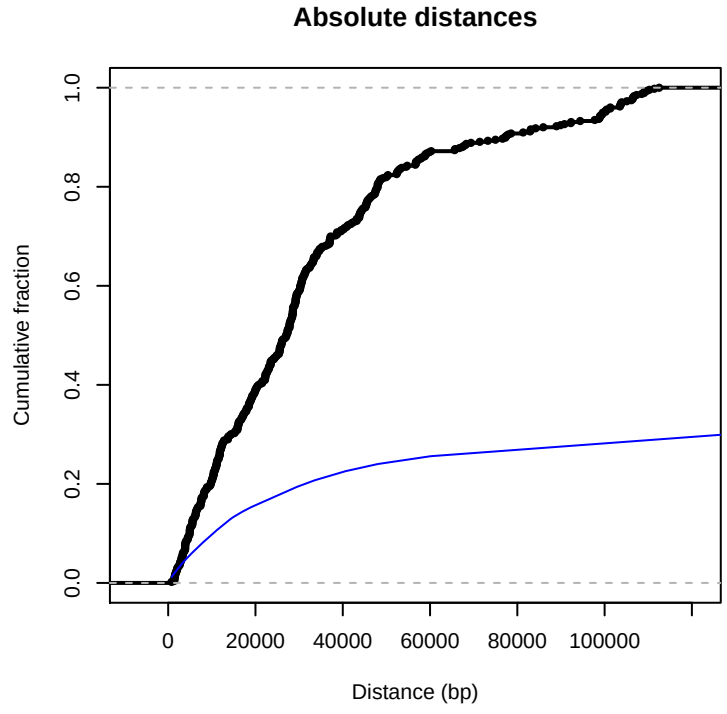
Query population : 455
Reference population : 13
Relative Ks p−value : 6.66134e−14
Relative ecdf deviation area : 0.0487975
Relative ecdf area correlation : 0.194887
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.3
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.027177
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

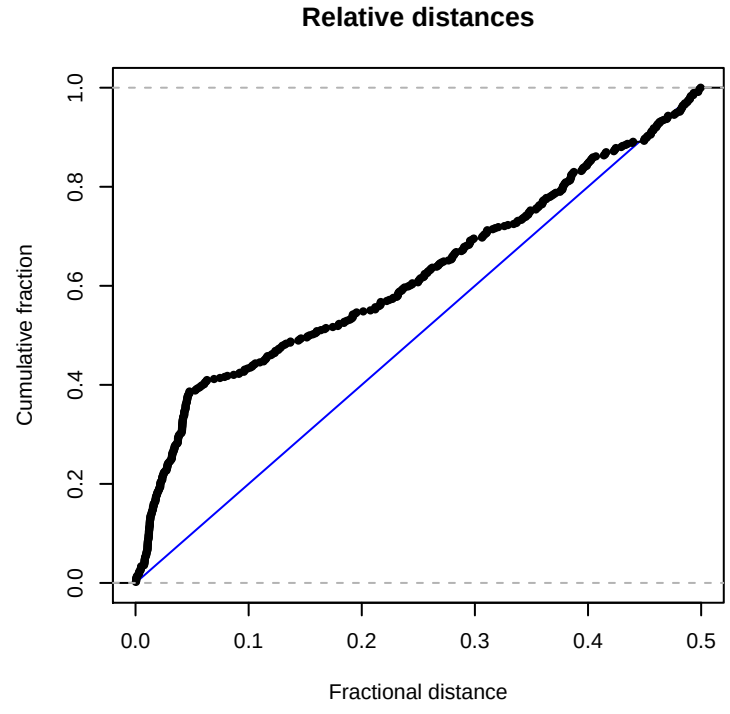




pcontig_041

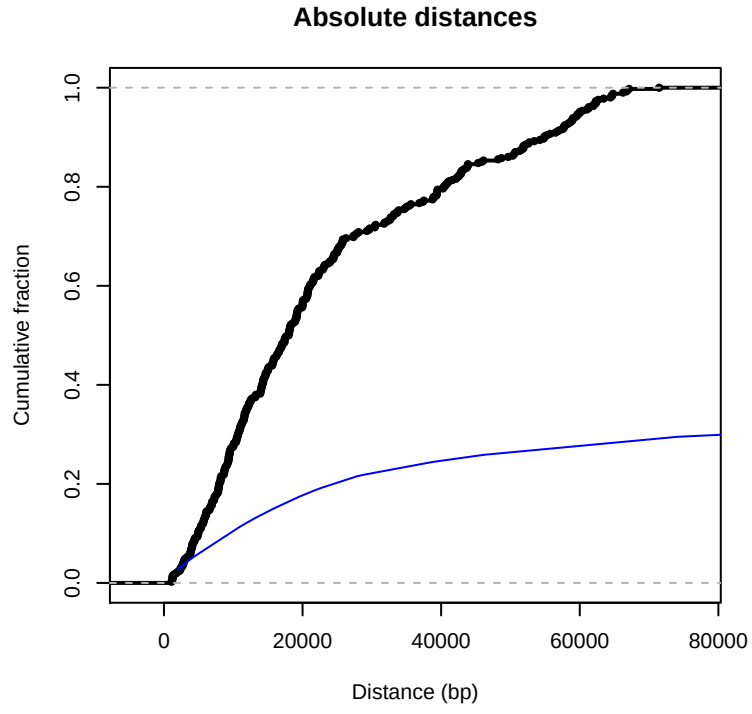
Query population : 476
Reference population : 22
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0583928
Relative ecdf area correlation : 0.232479
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.000534744
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

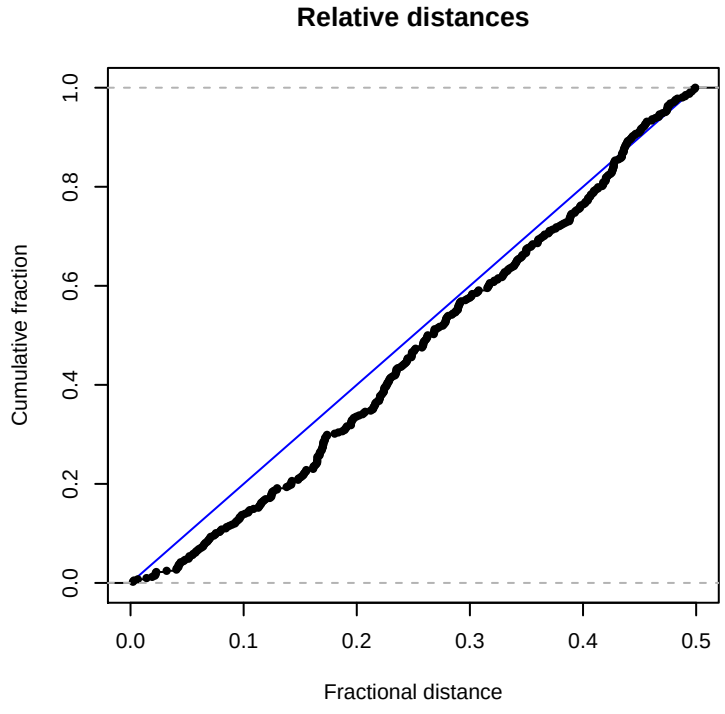




pcontig_042

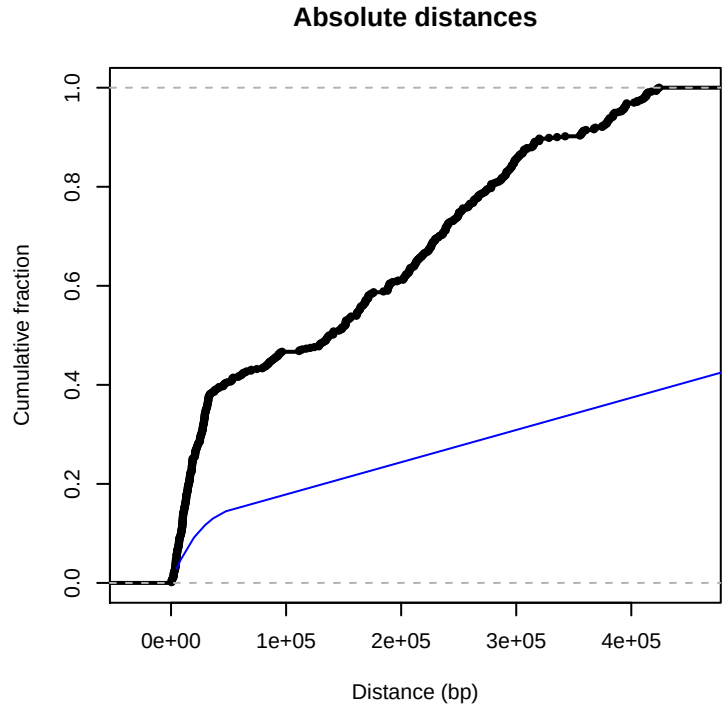
Query population : 408
Reference population : 21
Relative Ks p−value : 0.00128455
Relative ecdf deviation area : 0.0208514
Relative ecdf area correlation : −0.0790829
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0021108
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

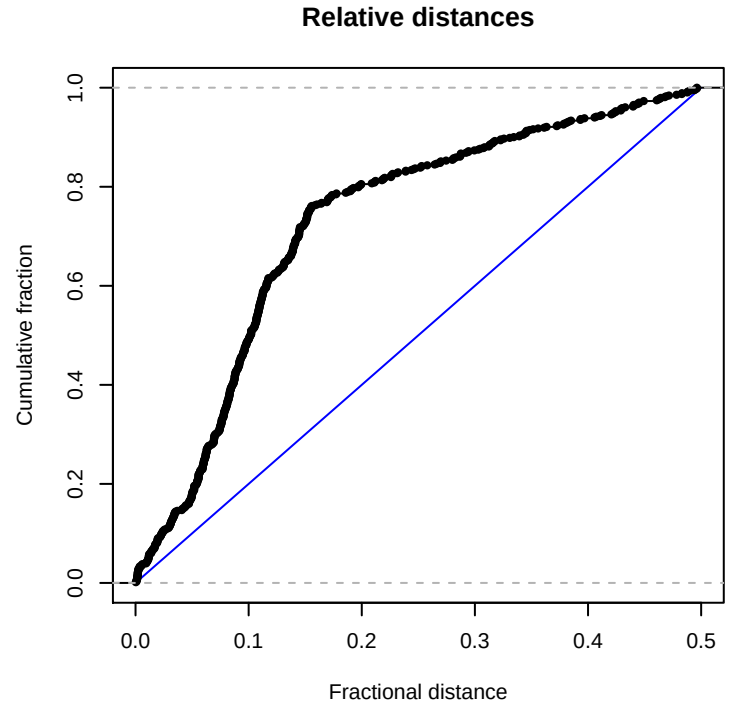




pcontig_043

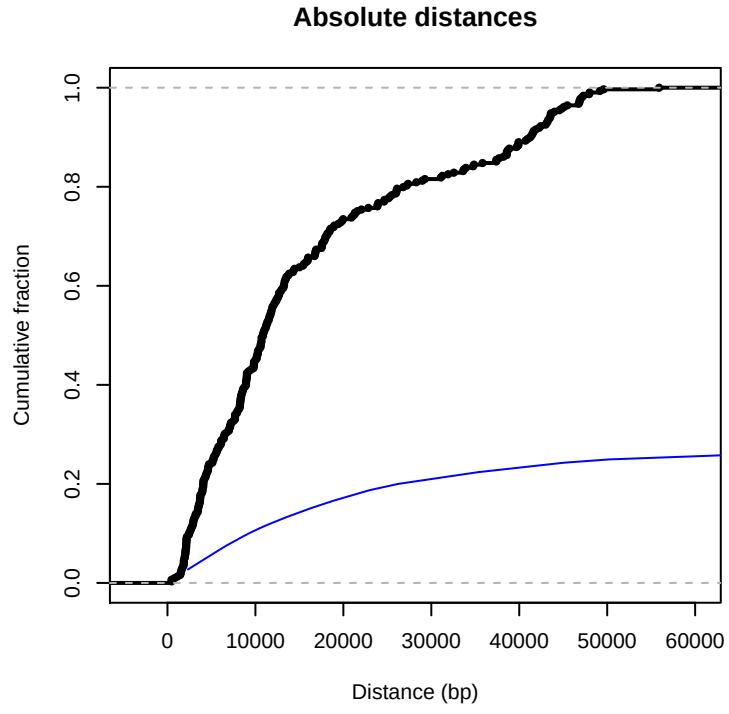
Query population : 632
Reference population : 9
Relative Ks p−value : 0
Relative ecdf deviation area : 0.112814
Relative ecdf area correlation : 0.45138
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.06
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.330512
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.705451

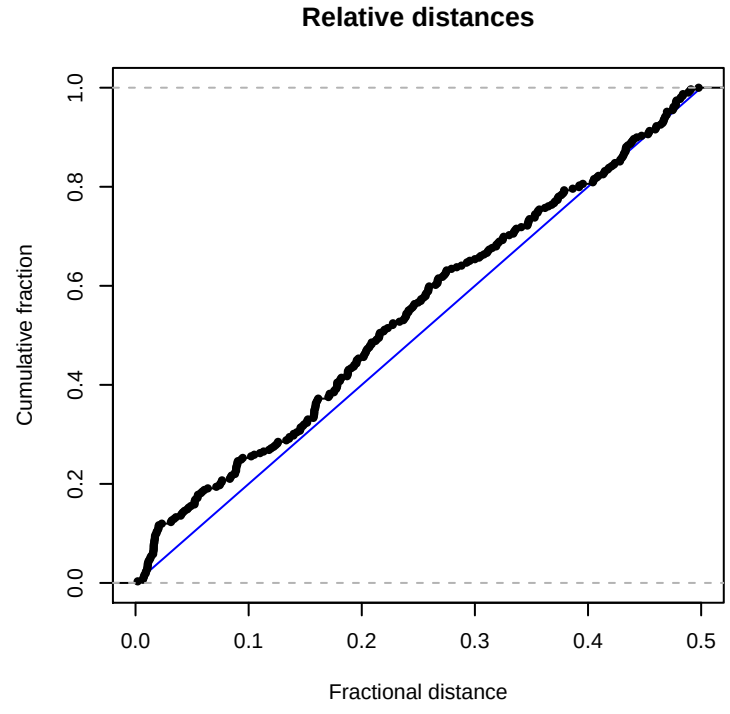




pcontig_044

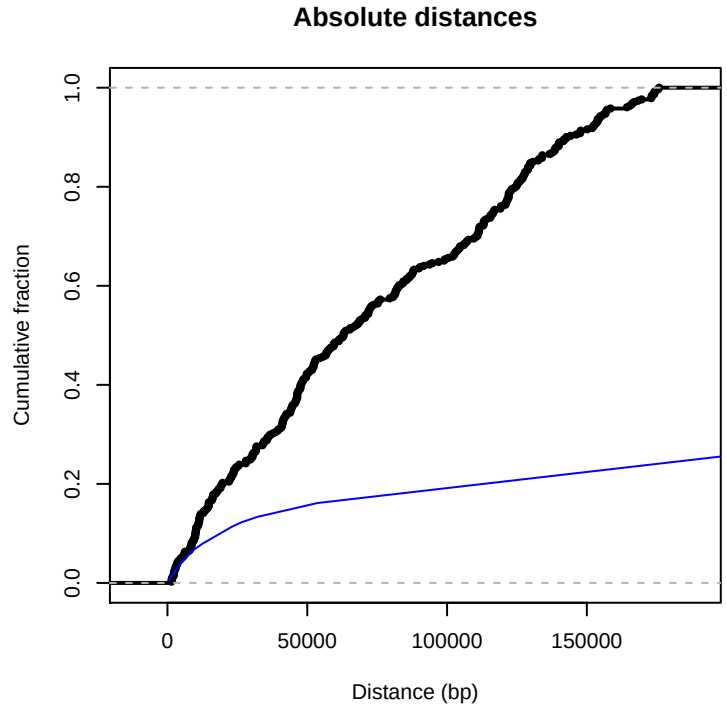
Query population : 309
Reference population : 18
Relative Ks p−value : 0.0348195
Relative ecdf deviation area : 0.0193946
Relative ecdf area correlation : 0.0750992
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.39
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.260774
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.520918

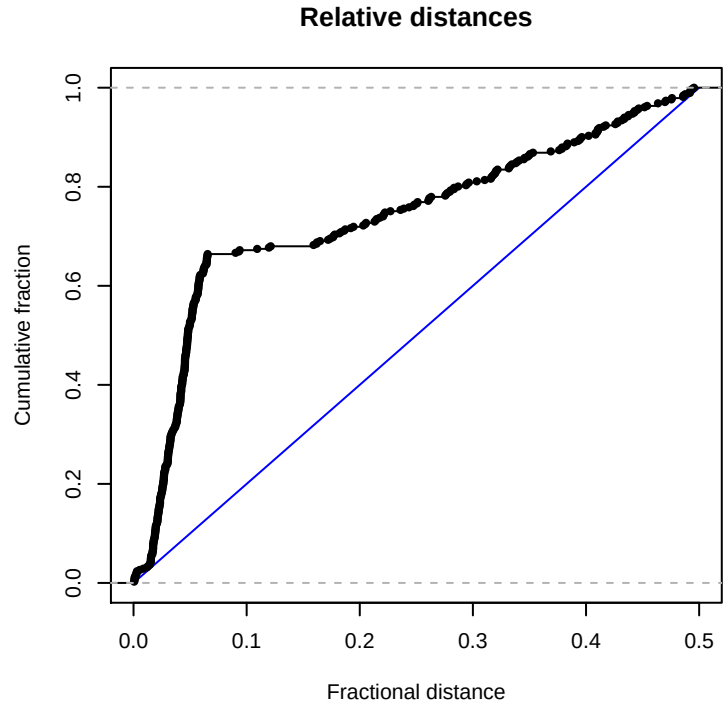




pcontig_045

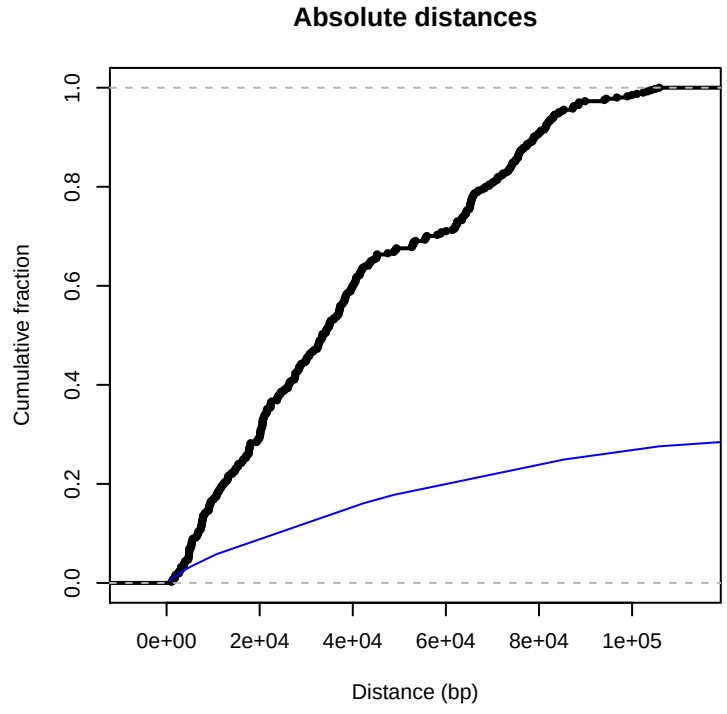
Query population : 381
Reference population : 15
Relative Ks p−value : 0
Relative ecdf deviation area : 0.11818
Relative ecdf area correlation : 0.472569
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0212185
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

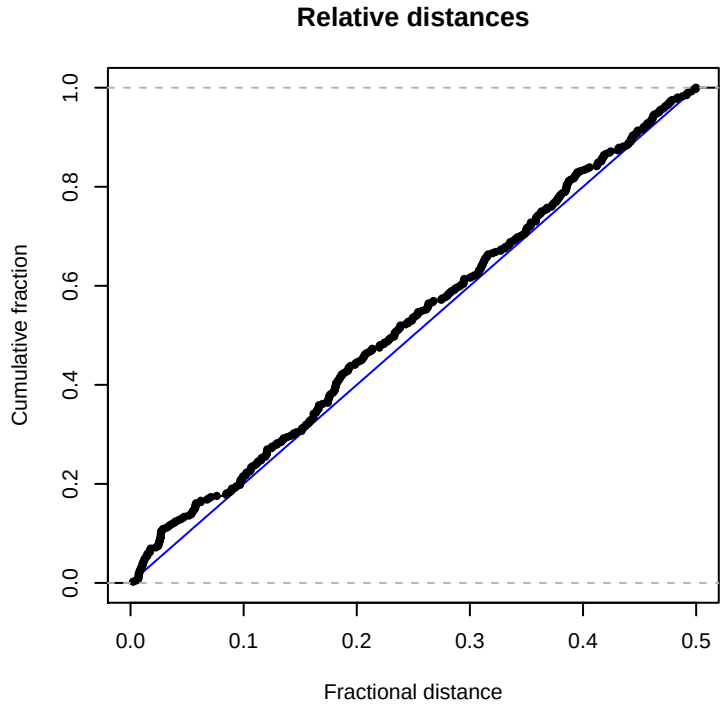




pcontig_046

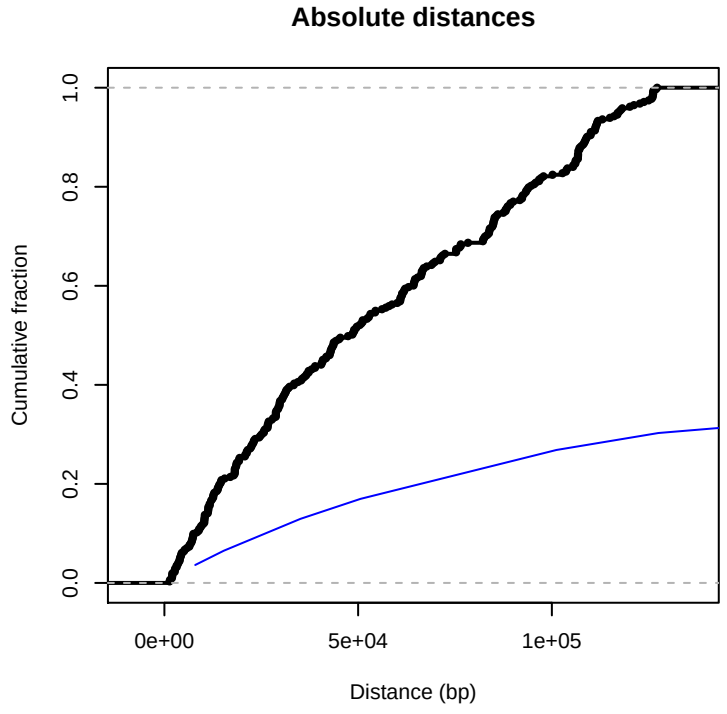
Query population : 404
Reference population : 12
Relative Ks p−value : 0.233385
Relative ecdf deviation area : 0.0109849
Relative ecdf area correlation : 0.0446188
Relative ecdf deviation area p−value : 0.11
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0167974
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

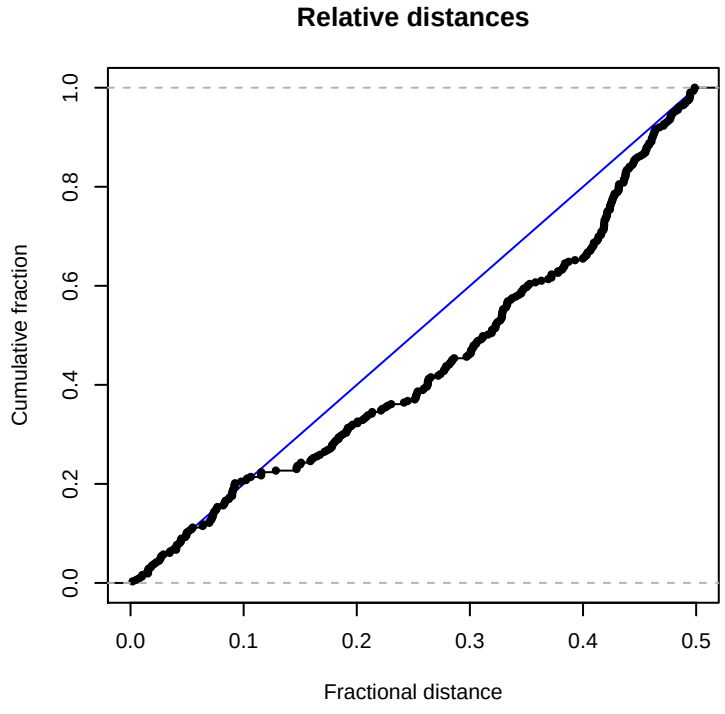




pcontig_047

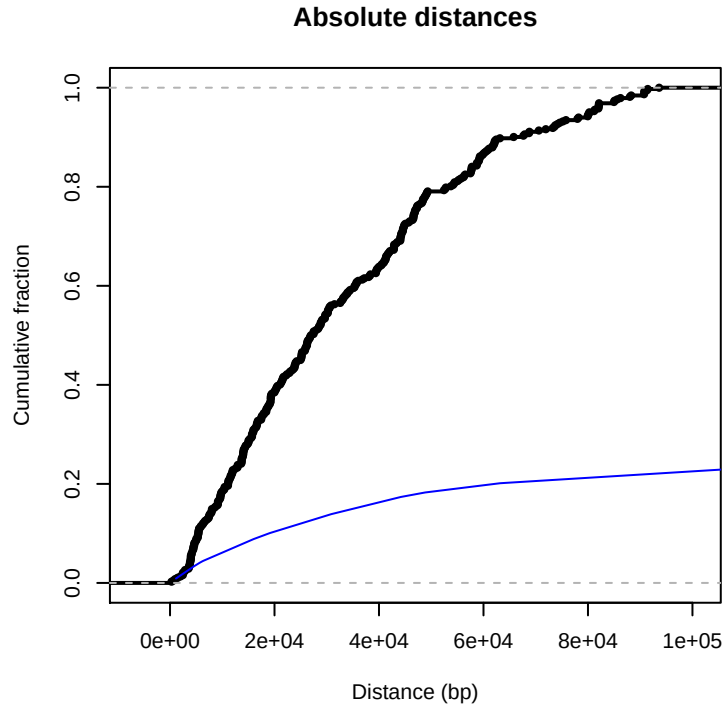
Query population : 313
Reference population : 7
Relative Ks p−value : 2.24211e−06
Relative ecdf deviation area : 0.0345767
Relative ecdf area correlation : −0.138792
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.17
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.320034
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

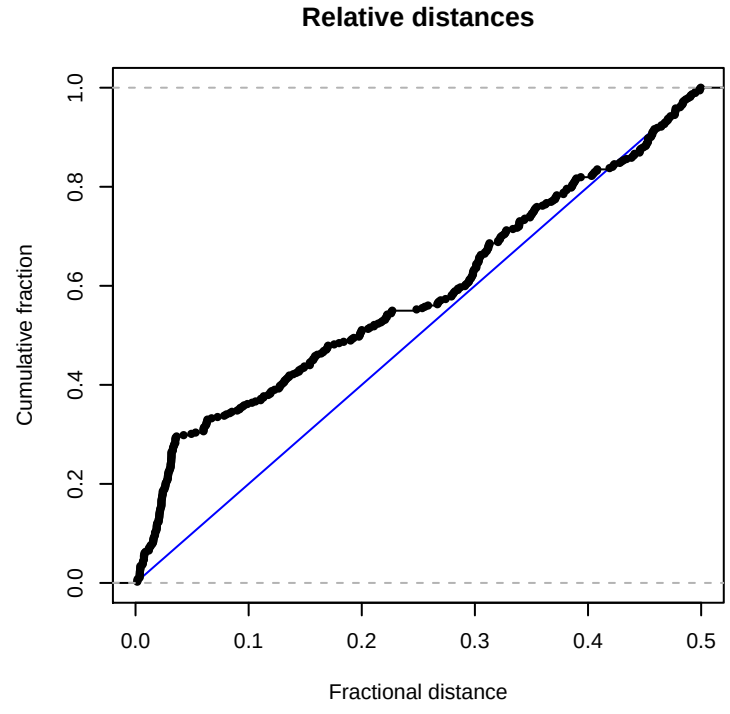




pcontig_048

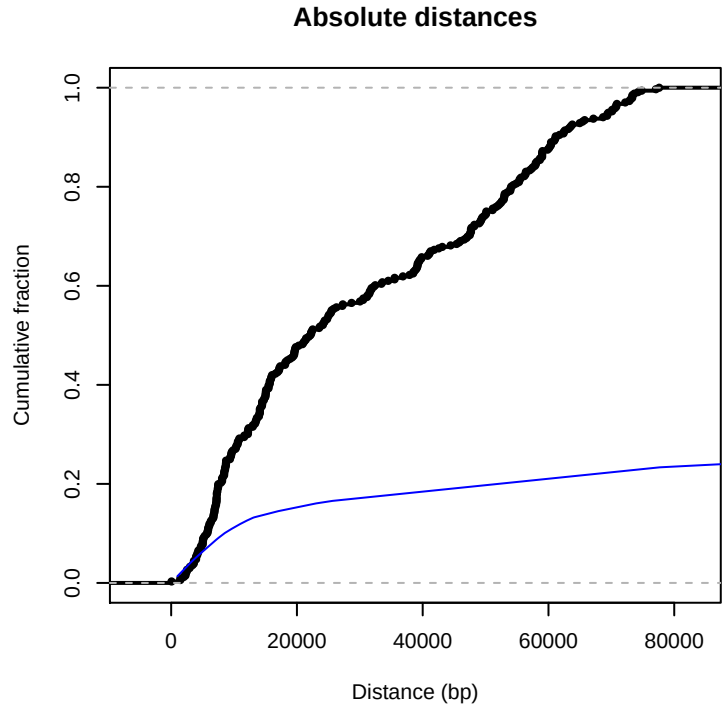
Query population : 382
Reference population : 12
Relative Ks p−value : 1.11022e−16
Relative ecdf deviation area : 0.0396385
Relative ecdf area correlation : 0.152609
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.487386
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.734494

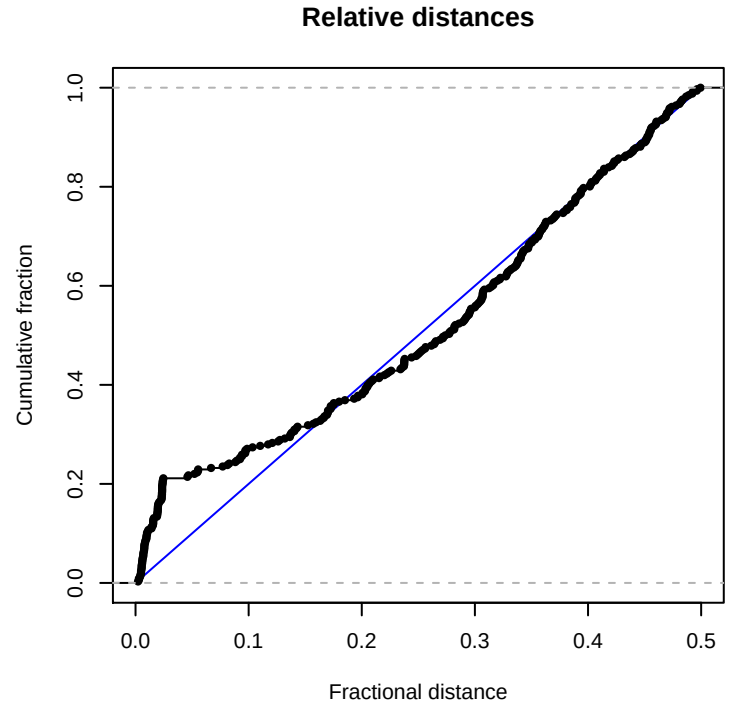




pcontig_049

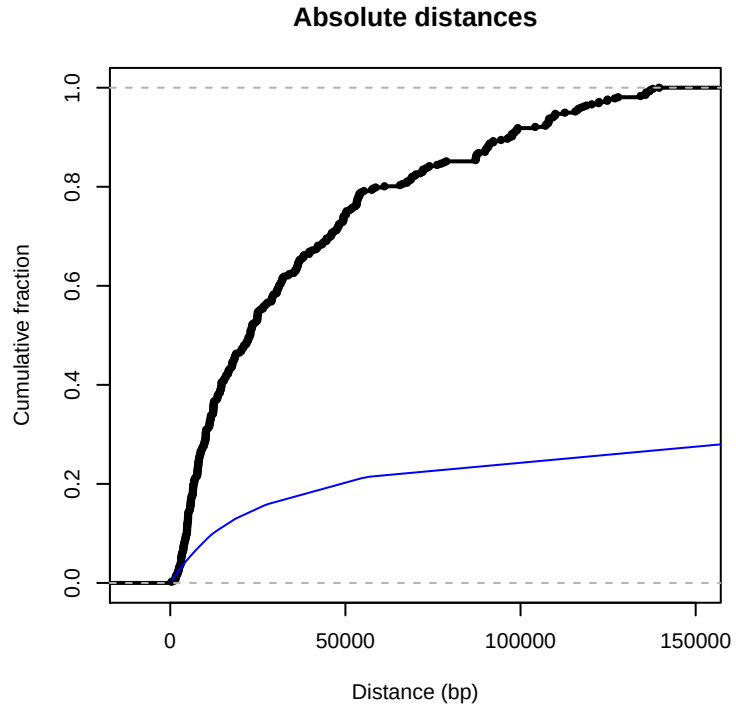
Query population : 336
Reference population : 21
Relative Ks p−value : 4.27247e−08
Relative ecdf deviation area : 0.018055
Relative ecdf area correlation : 0.0247224
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0978176
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.449166

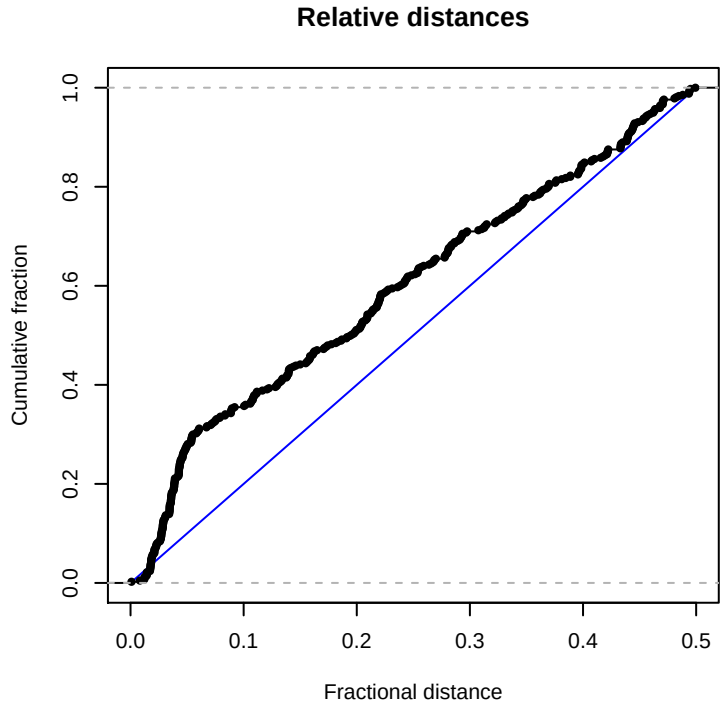




pcontig_050

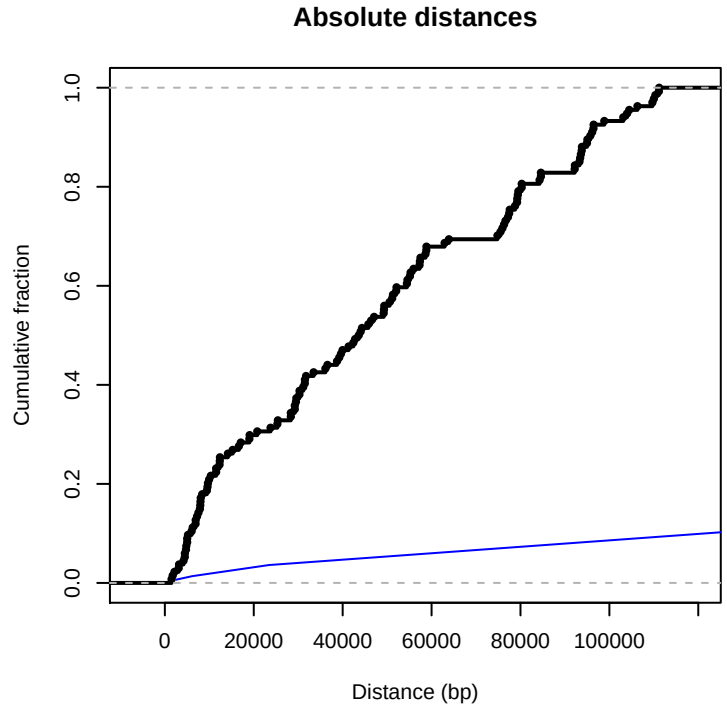
Query population : 417
Reference population : 17
Relative Ks p−value : 1.48992e−13
Relative ecdf deviation area : 0.0463891
Relative ecdf area correlation : 0.184752
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0181132
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.169072

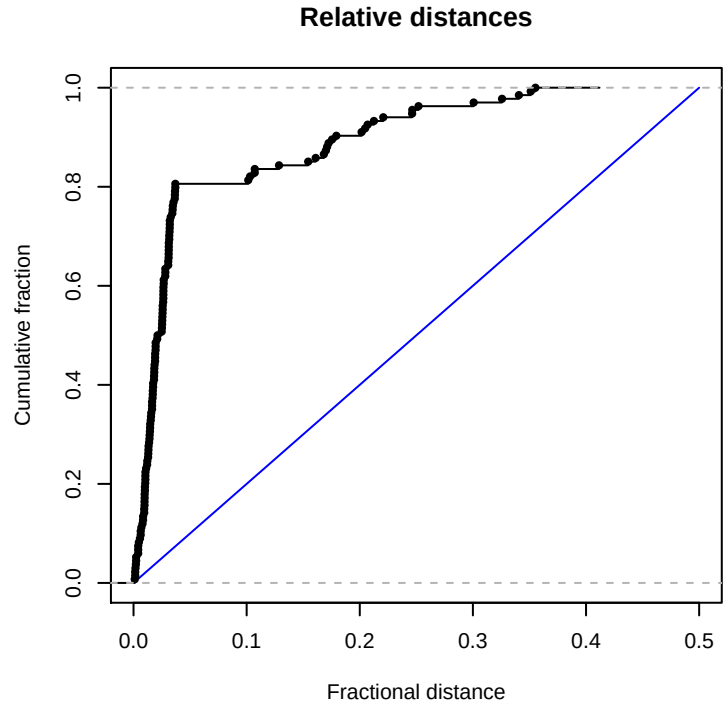




pcontig_051

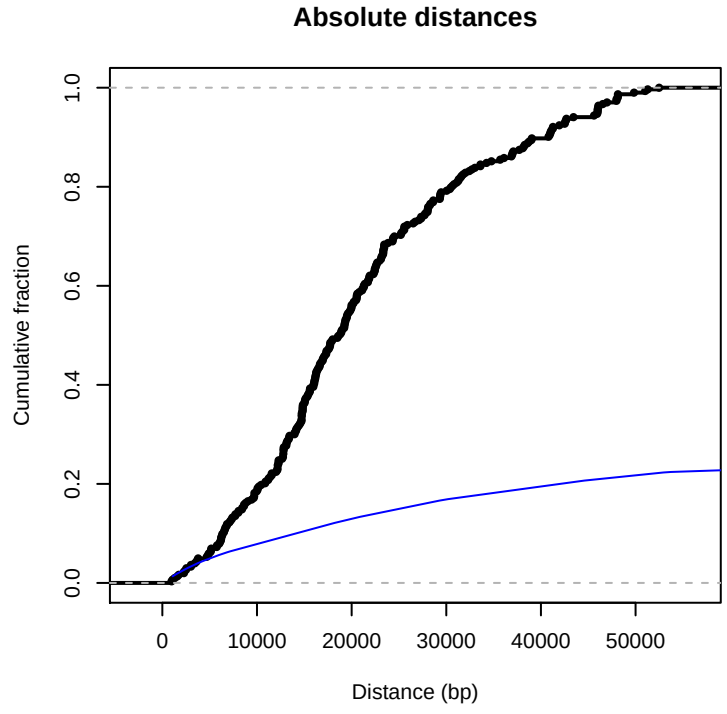
Query population : 134
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.194751
Relative ecdf area correlation : 0.779011
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.46
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.366791
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

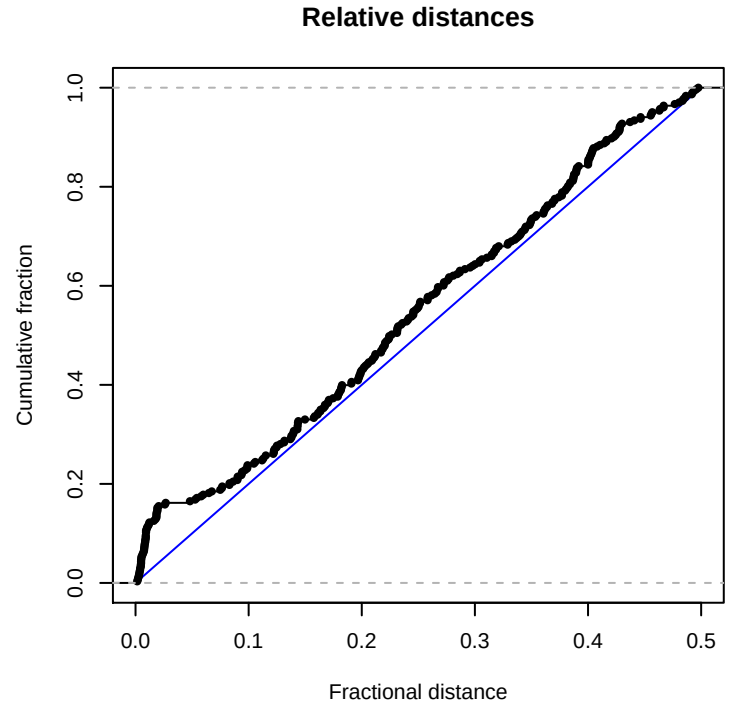




pcontig_052

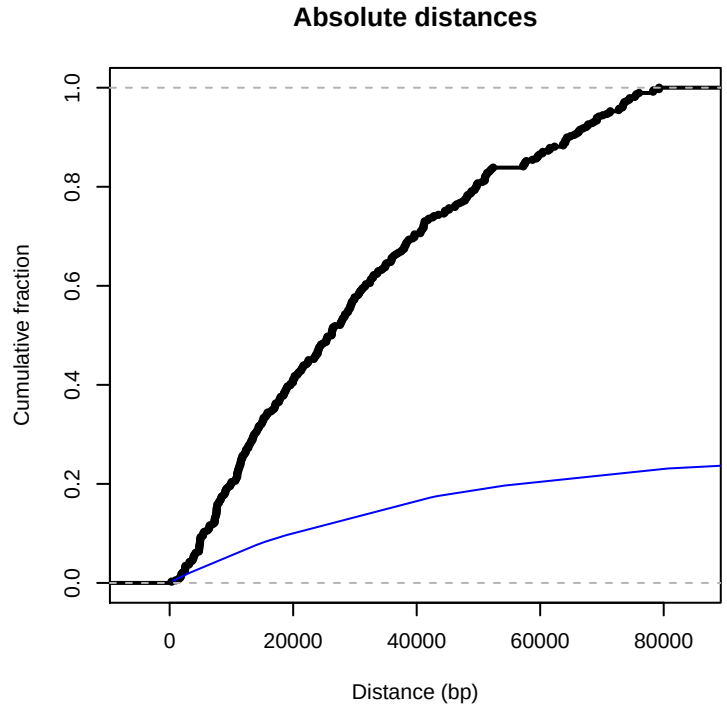
Query population : 303
Reference population : 19
Relative Ks p−value : 0.00074236
Relative ecdf deviation area : 0.0203913
Relative ecdf area correlation : 0.0807589
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.11
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.246893
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.586553

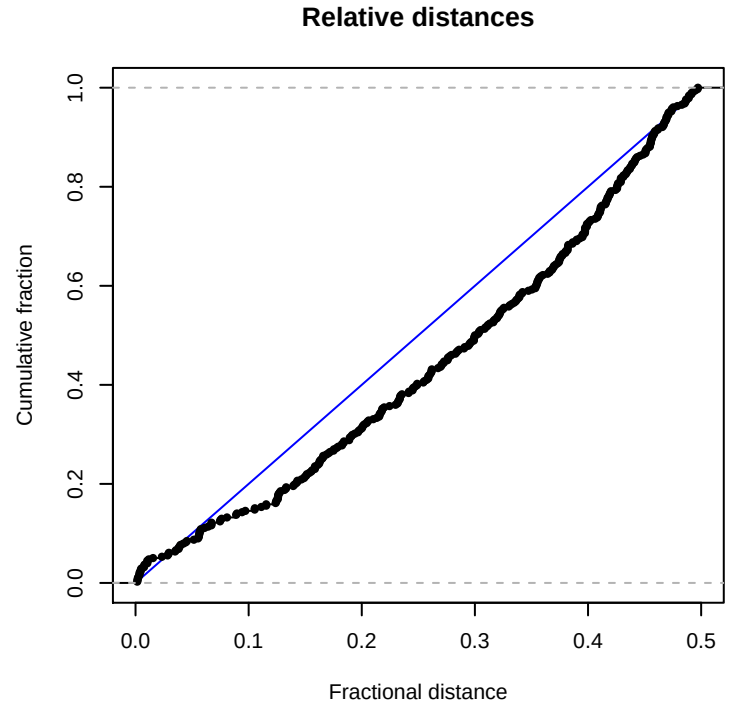




pcontig_054

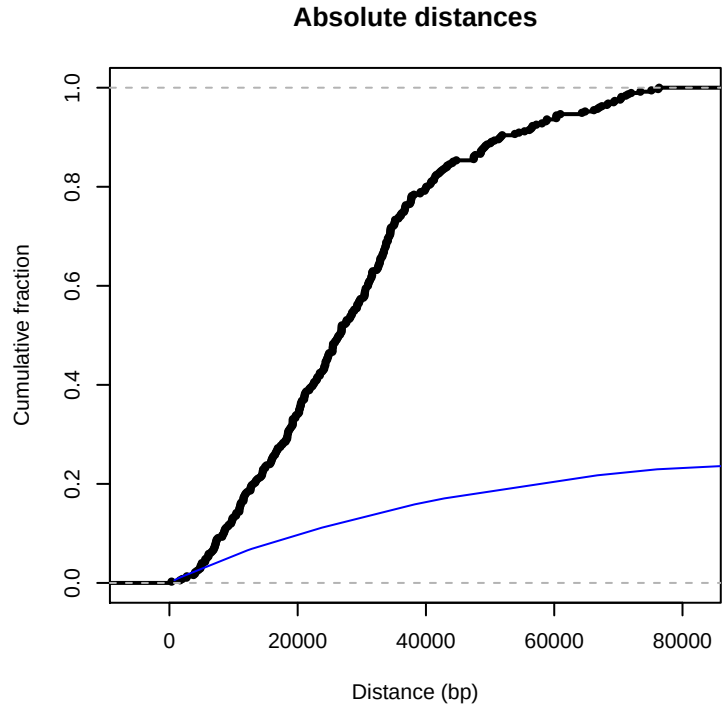
Query population : 378
Reference population : 12
Relative Ks p−value : 0.000104875
Relative ecdf deviation area : 0.0328427
Relative ecdf area correlation : −0.127584
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.13
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.289639
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.40262

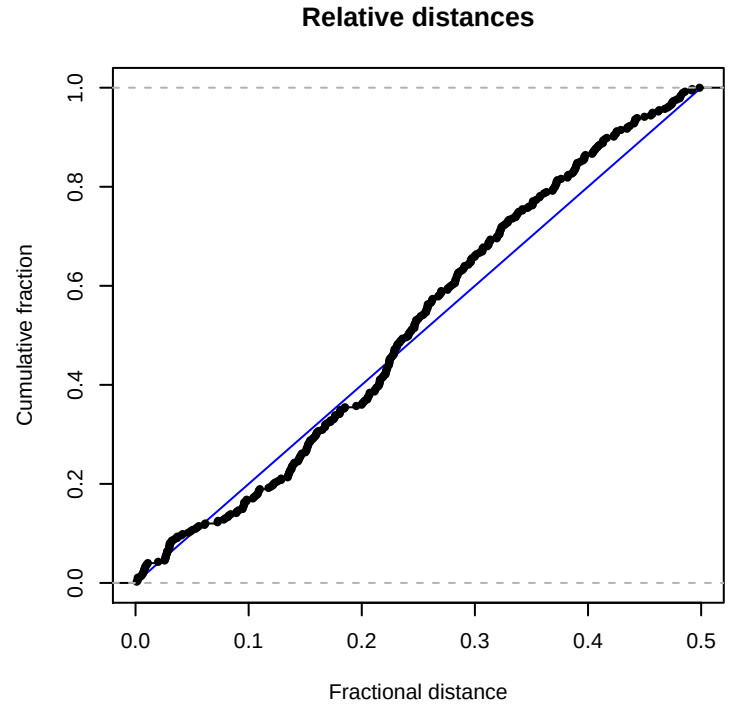




pcontig_055

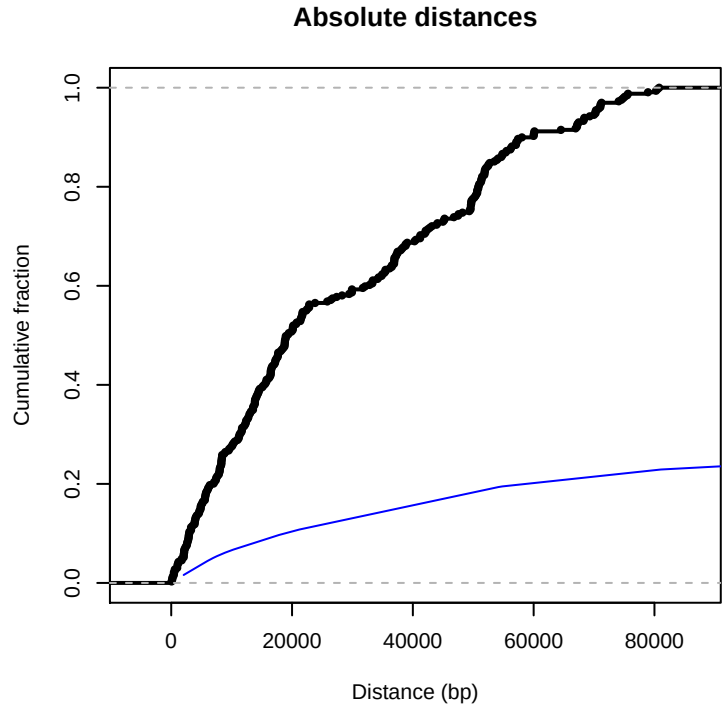
Query population : 375
Reference population : 11
Relative Ks p−value : 0.0374299
Relative ecdf deviation area : 0.0182988
Relative ecdf area correlation : 0.0320666
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.397381
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.642491

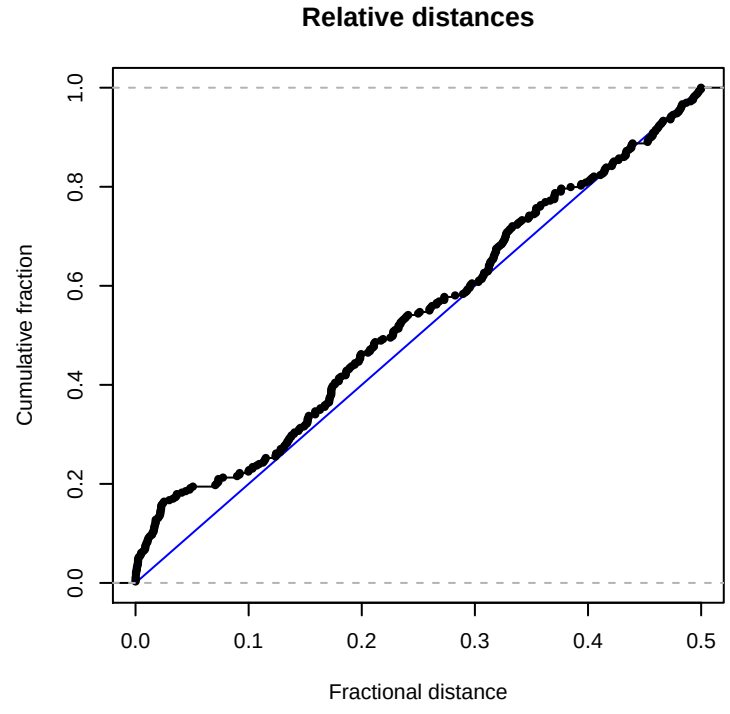




pcontig_056

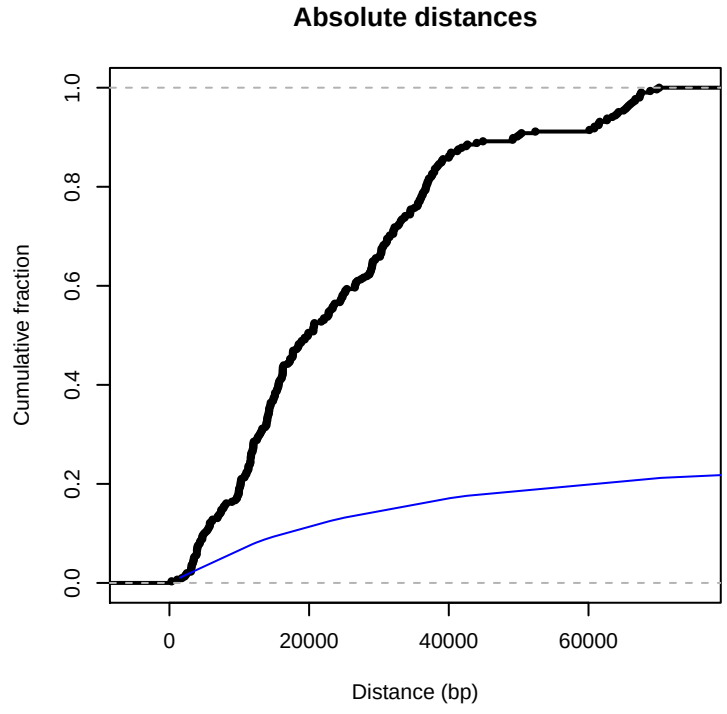
Query population : 329
Reference population : 12
Relative Ks p−value : 0.000408218
Relative ecdf deviation area : 0.0168803
Relative ecdf area correlation : 0.0654714
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.41749

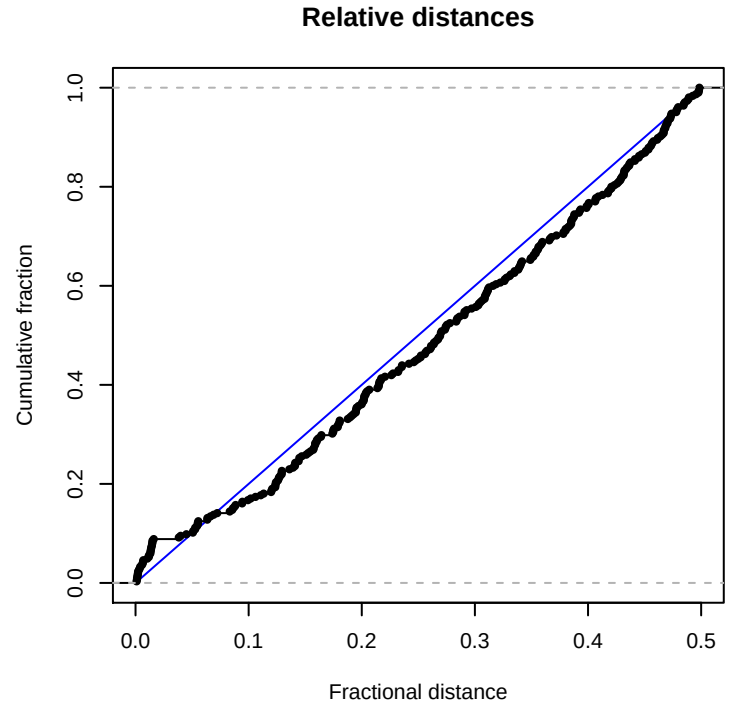




pcontig_057

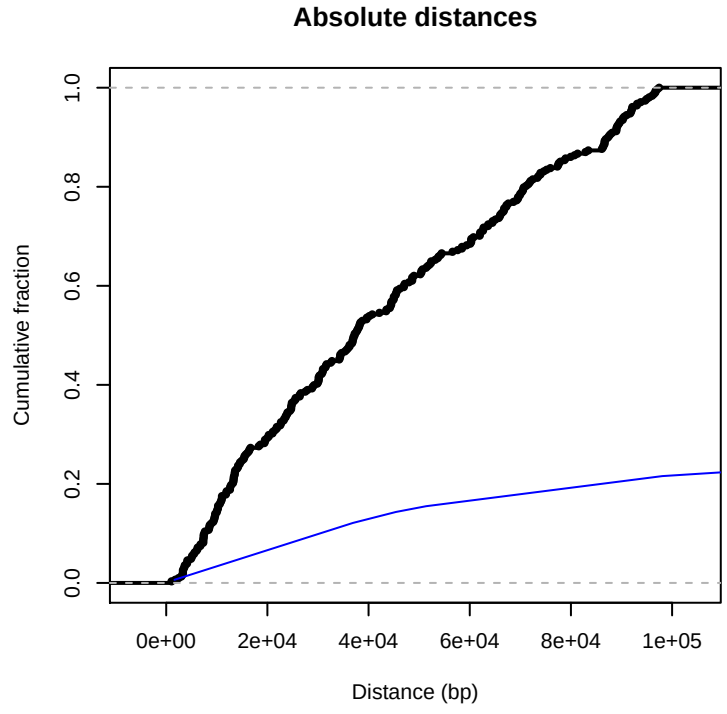
Query population : 305
Reference population : 11
Relative Ks p−value : 0.232692
Relative ecdf deviation area : 0.016704
Relative ecdf area correlation : −0.0561528
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.43
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.205654
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.33926

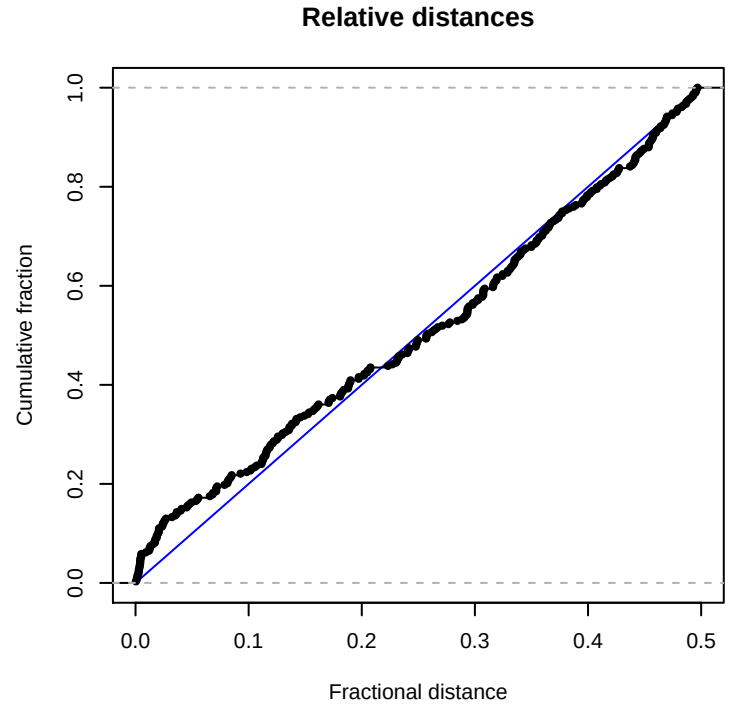




pcontig_058

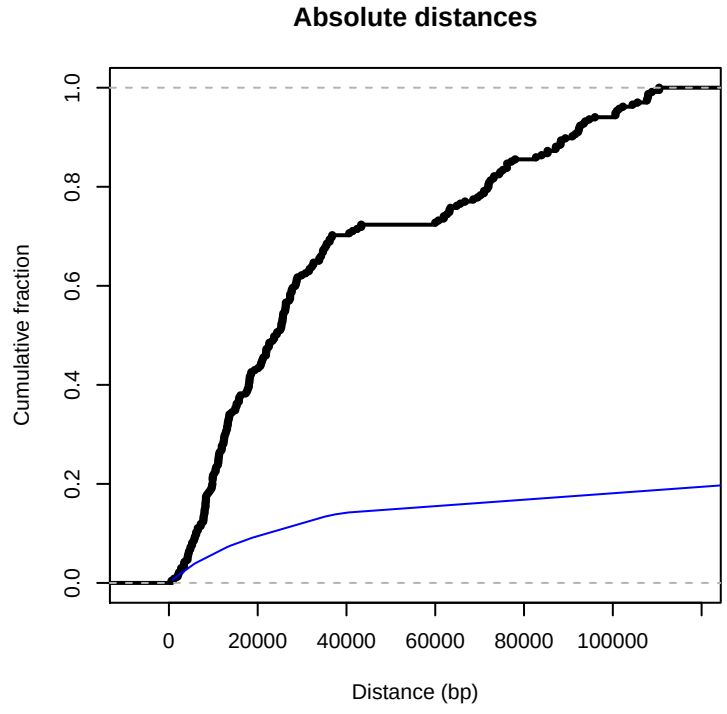
Query population : 308
Reference population : 6
Relative Ks p−value : 0.0572679
Relative ecdf deviation area : 0.0135124
Relative ecdf area correlation : 0.0102076
Relative ecdf deviation area p−value : 0.2
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.34
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.267735
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

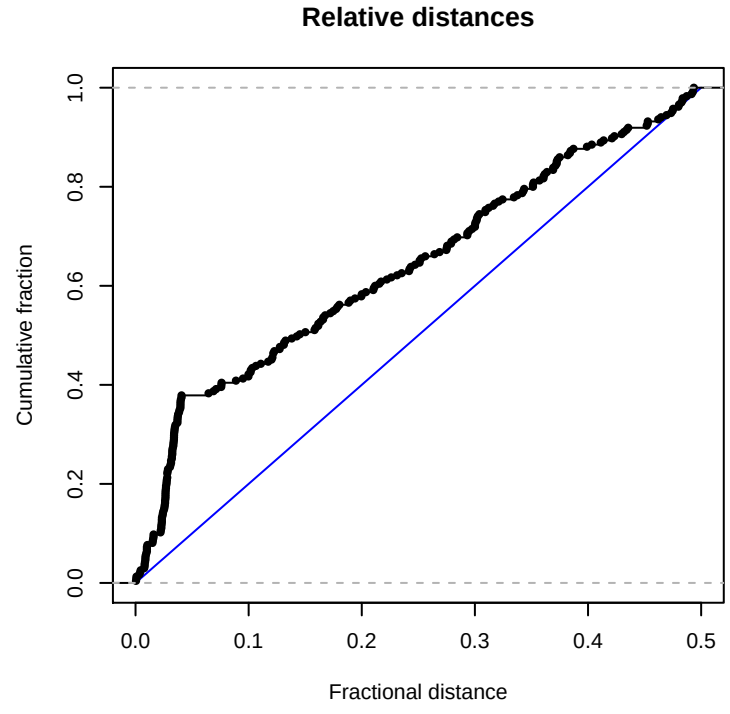




pcontig_059

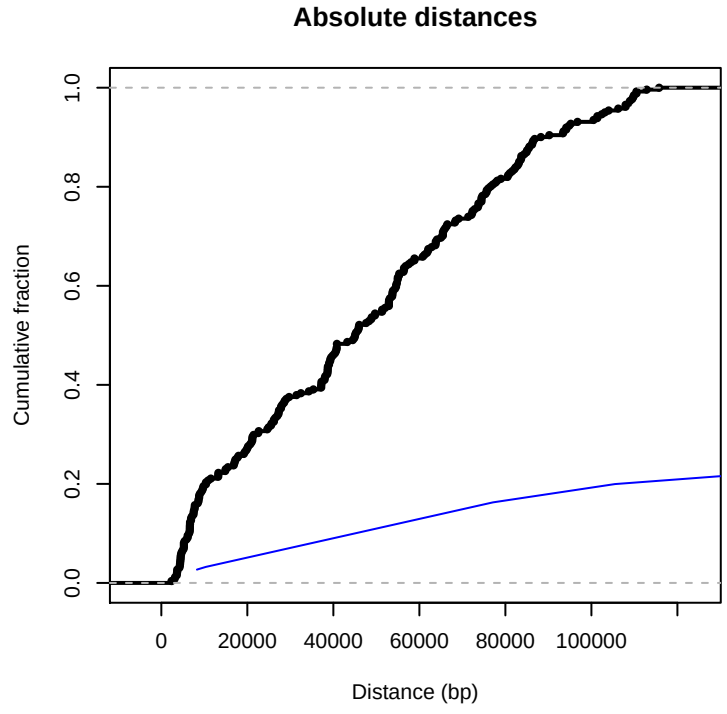
Query population : 235
Reference population : 12
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0680438
Relative ecdf area correlation : 0.271813
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.19
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.338782
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.442506

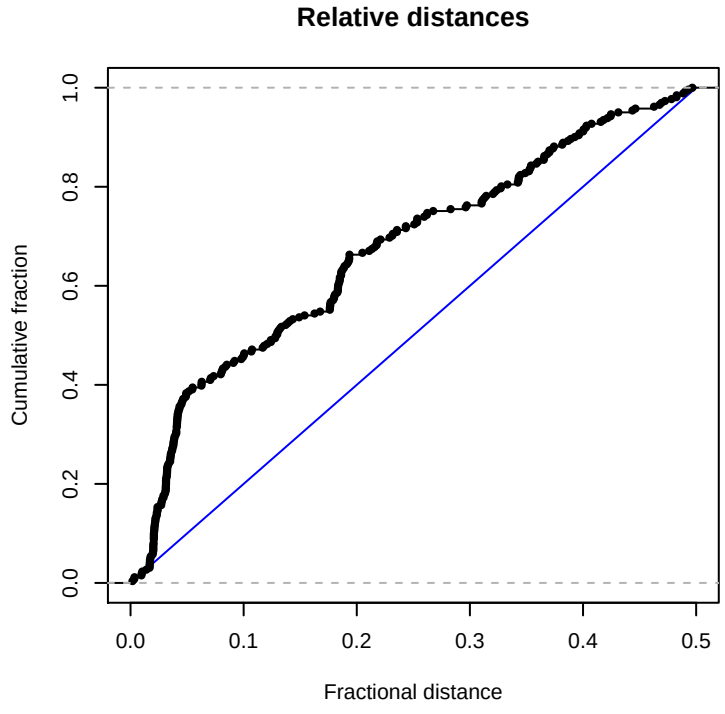




pcontig_060

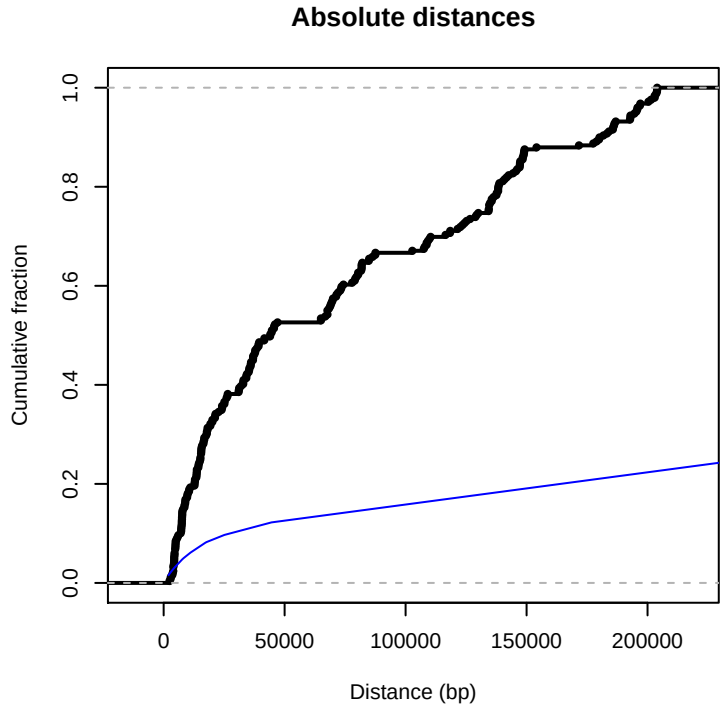
Query population : 261
Reference population : 5
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0836585
Relative ecdf area correlation : 0.333832
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.18
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.28552
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

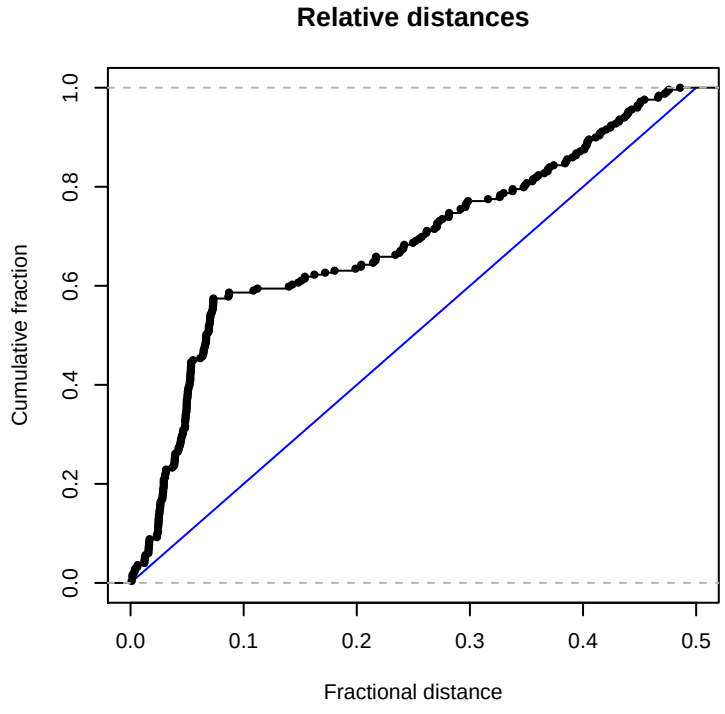




pcontig_062

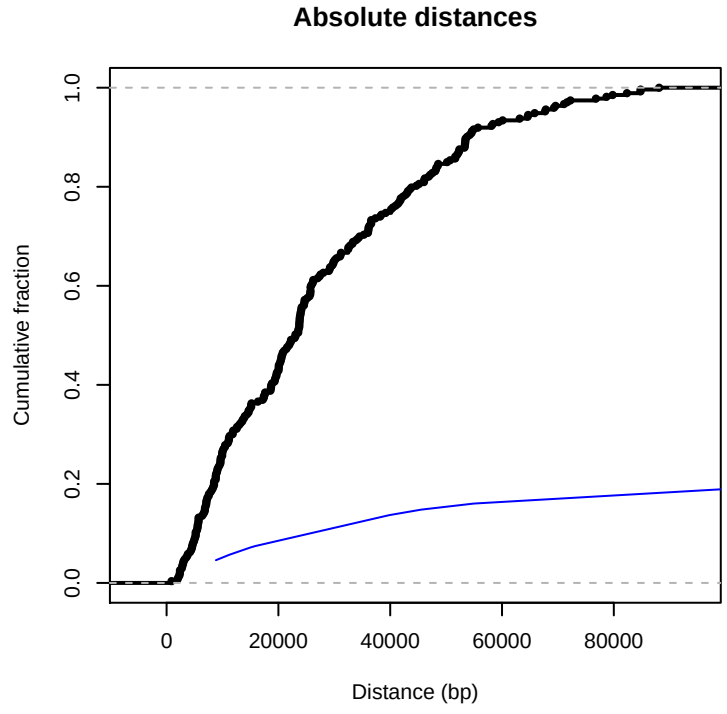
Query population : 249
Reference population : 12
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0904465
Relative ecdf area correlation : 0.361852
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.064913
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

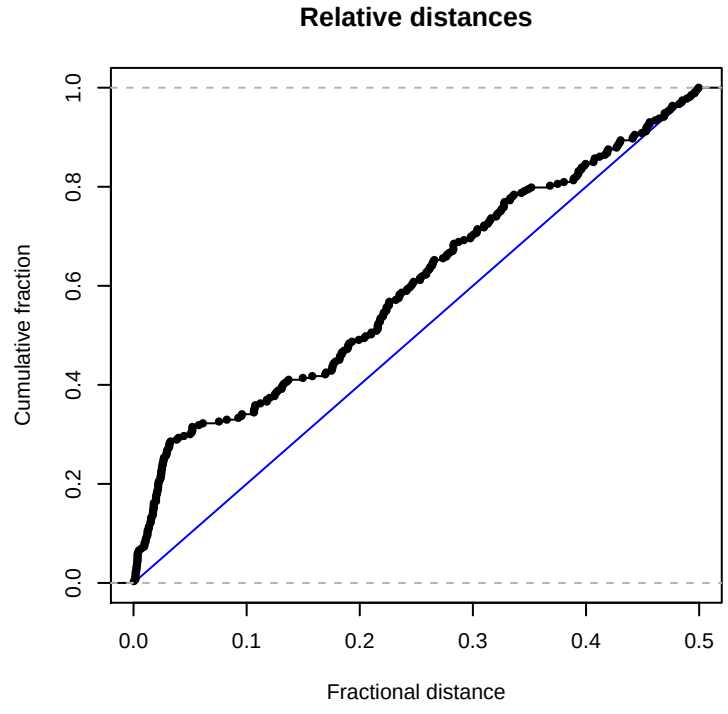




pcontig_064

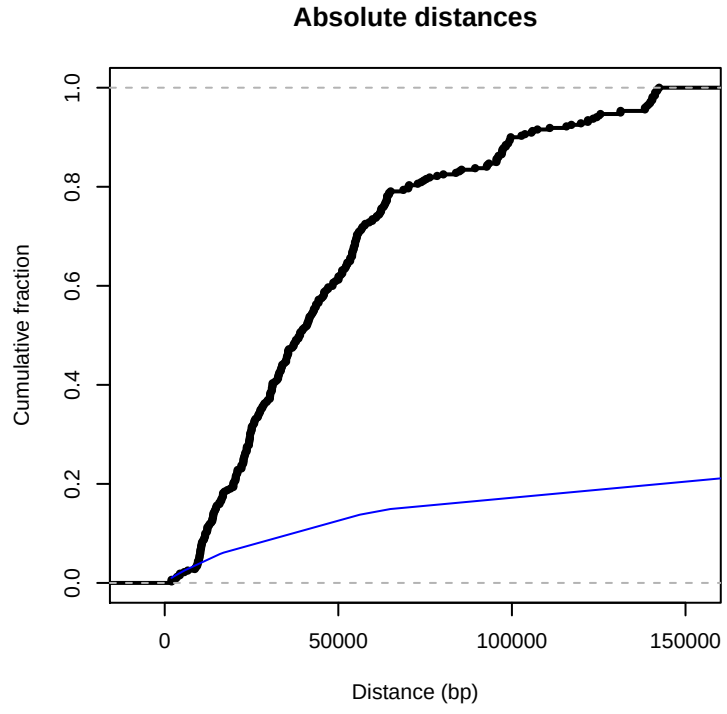
Query population : 273
Reference population : 8
Relative Ks p−value : 6.33993e−12
Relative ecdf deviation area : 0.0470665
Relative ecdf area correlation : 0.188168
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.25
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.217397
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

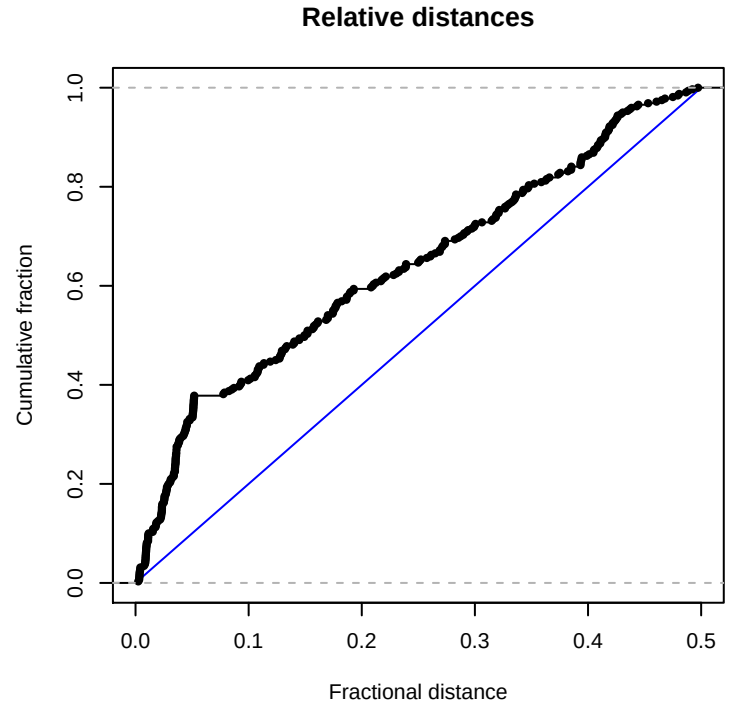




pcontig_065

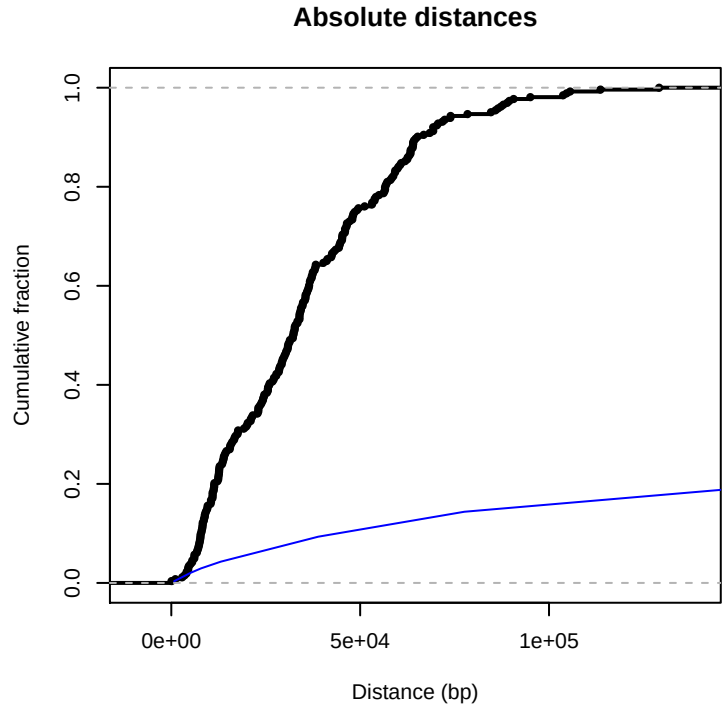
Query population : 320
Reference population : 8
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0676407
Relative ecdf area correlation : 0.270081
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0999659
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

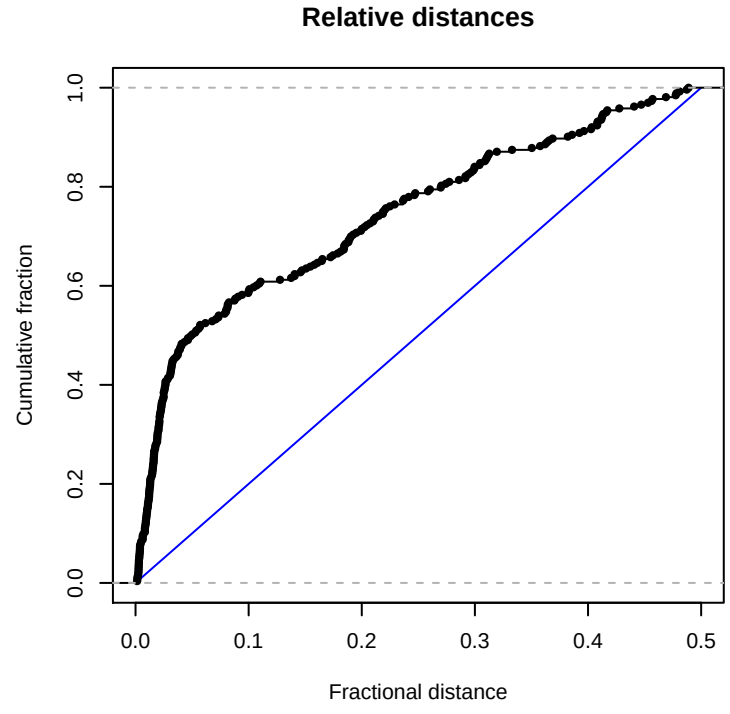




pcontig_066

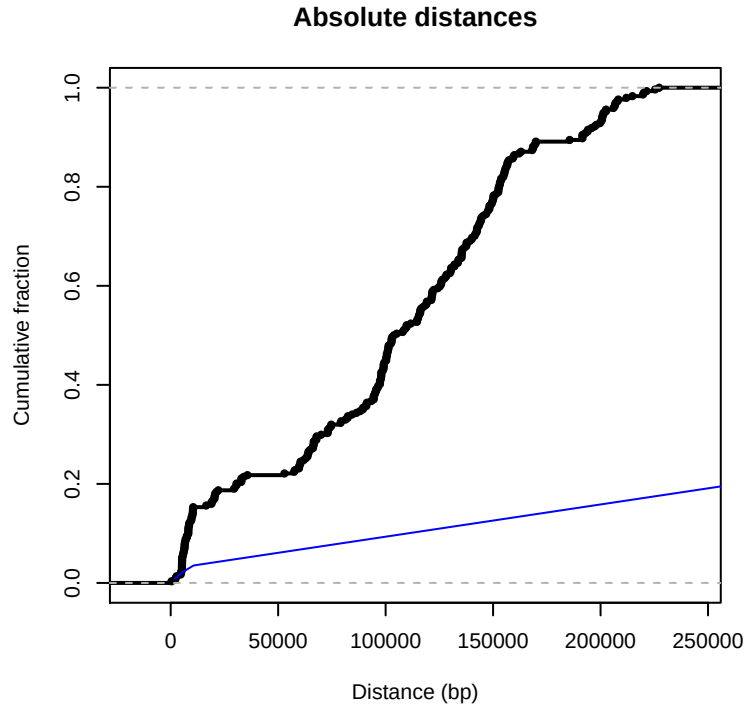
Query population : 263
Reference population : 7
Relative Ks p−value : 0
Relative ecdf deviation area : 0.119958
Relative ecdf area correlation : 0.478938
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.36
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.48809
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.583322

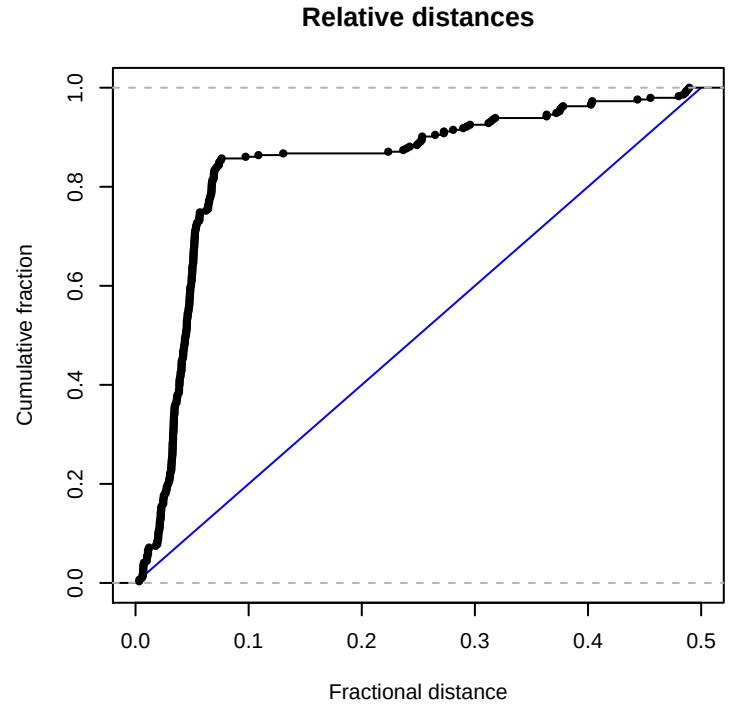




pcontig_067

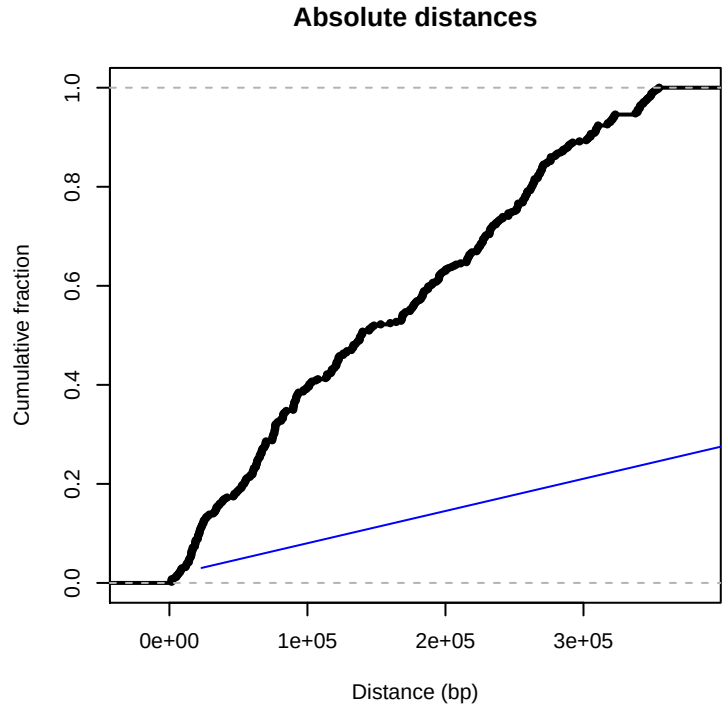
Query population : 294
Reference population : 7
Relative Ks p−value : 0
Relative ecdf deviation area : 0.16939
Relative ecdf area correlation : 0.677357
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.23
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.49687
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0.600066

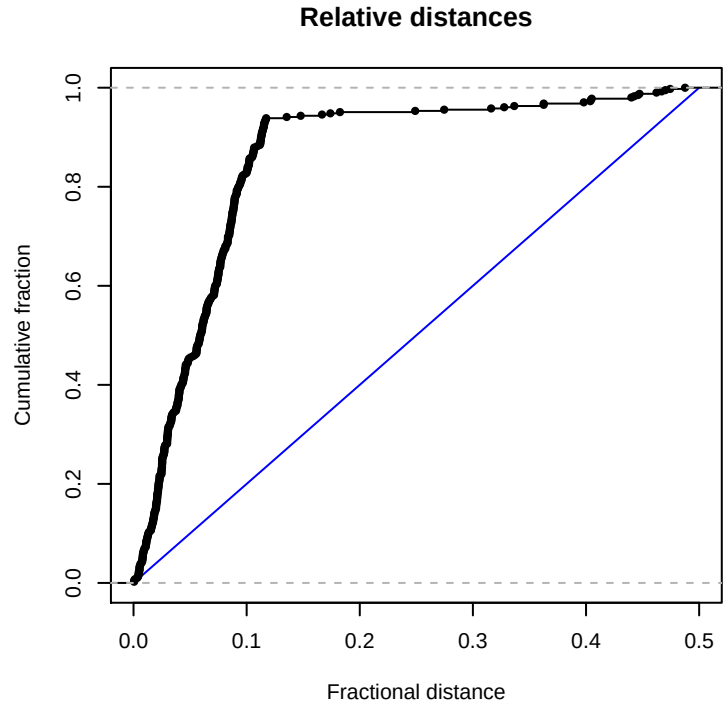




pcontig_068

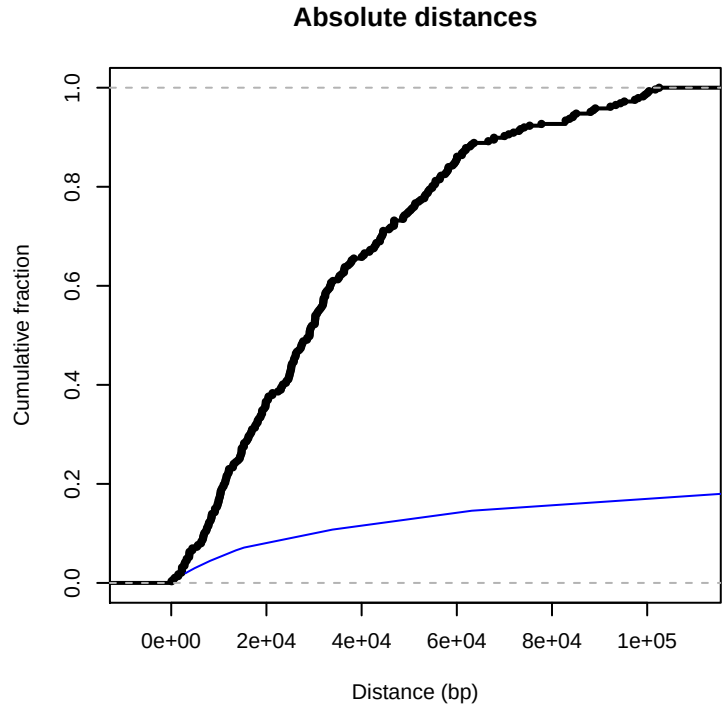
Query population : 406
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.176458
Relative ecdf area correlation : 0.7059
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.49
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.31959
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

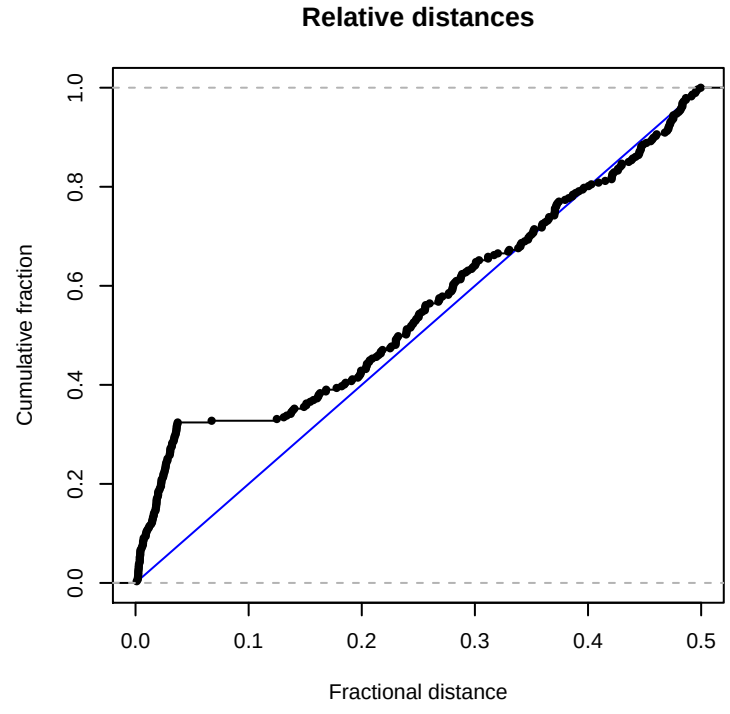




pcontig_069

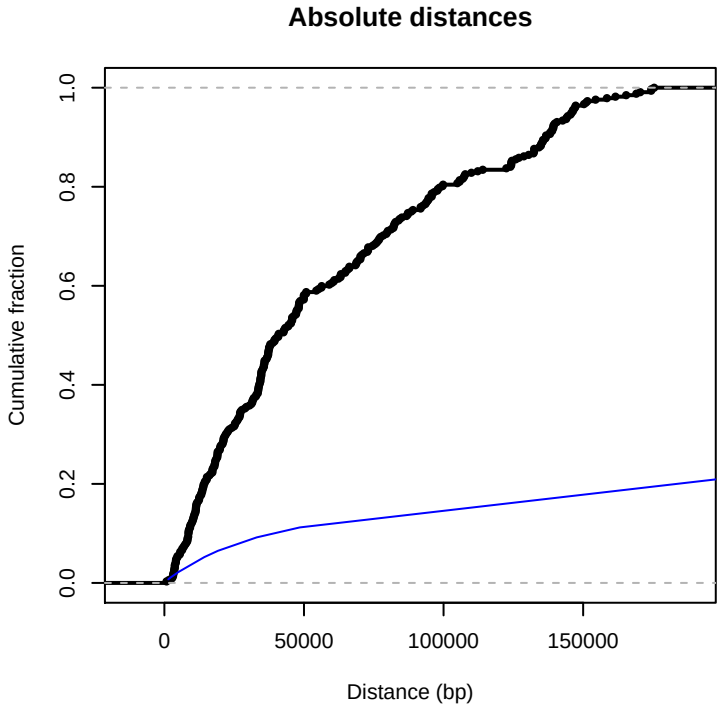
Query population : 287
Reference population : 10
Relative Ks p−value : 5.55112e−16
Relative ecdf deviation area : 0.0290745
Relative ecdf area correlation : 0.103383
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.4
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.261139
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.13001

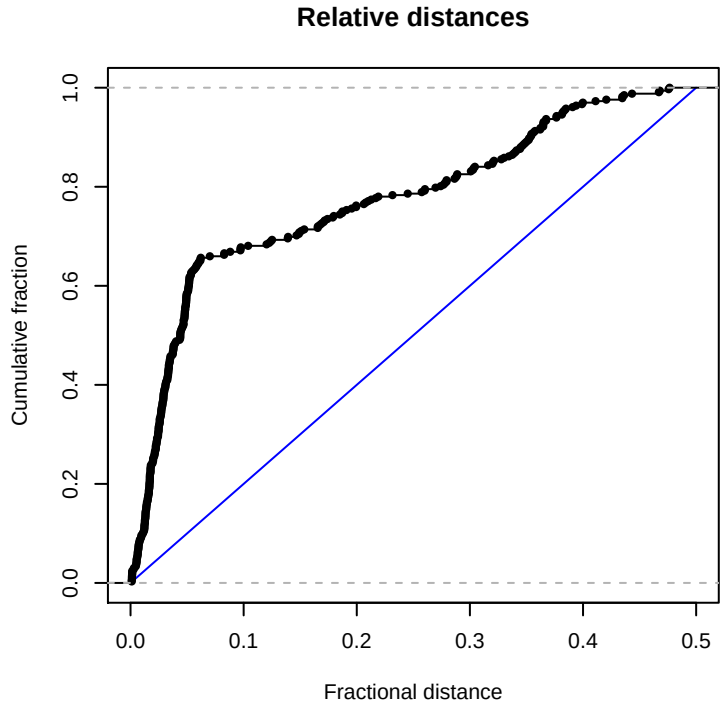




pcontig_070

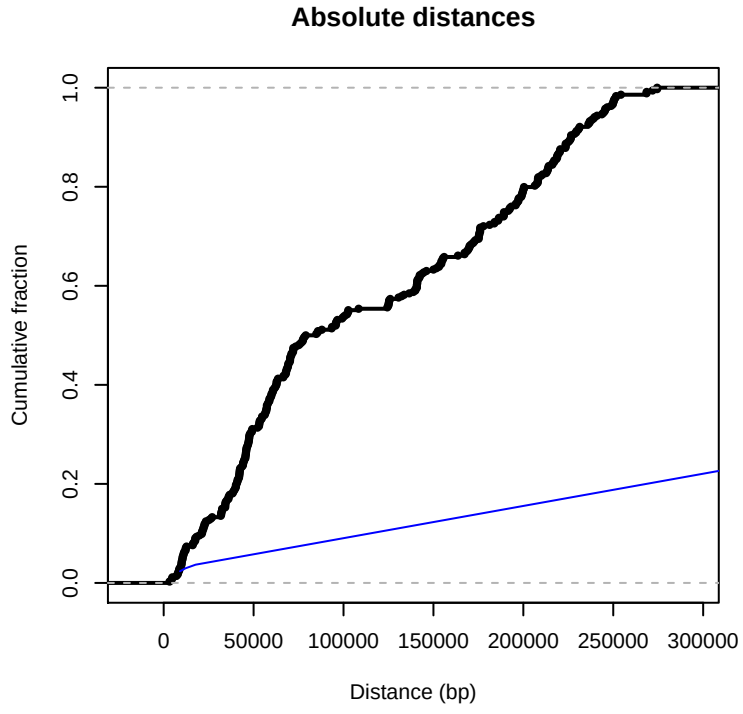
Query population : 332
Reference population : 8
Relative Ks p−value : 0
Relative ecdf deviation area : 0.135875
Relative ecdf area correlation : 0.543528
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.39
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.420212
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.514031

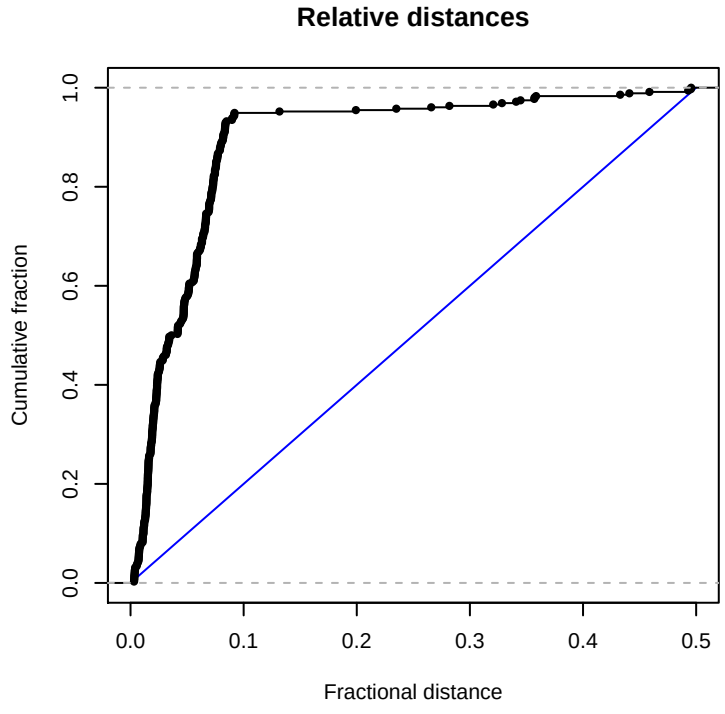




pcontig_072

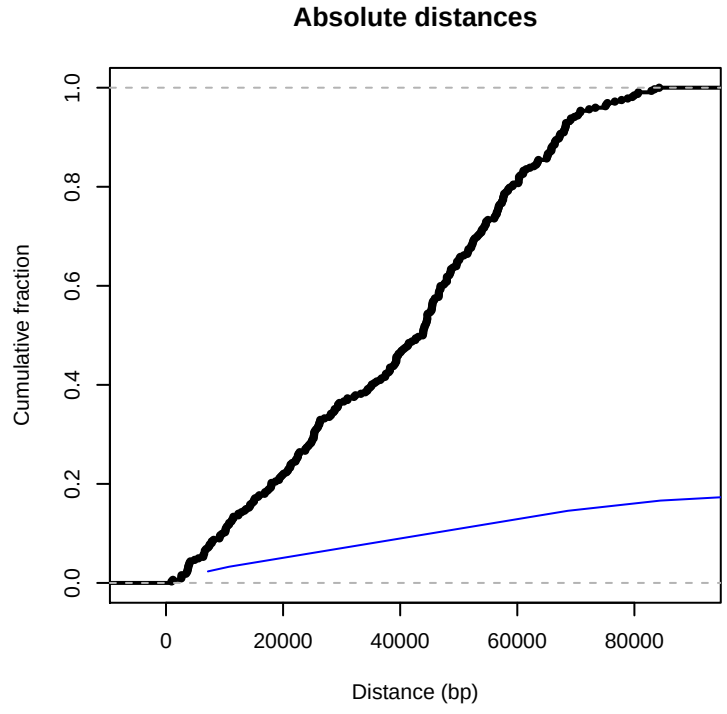
Query population : 354
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.194015
Relative ecdf area correlation : 0.776185
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.08
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.215646
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

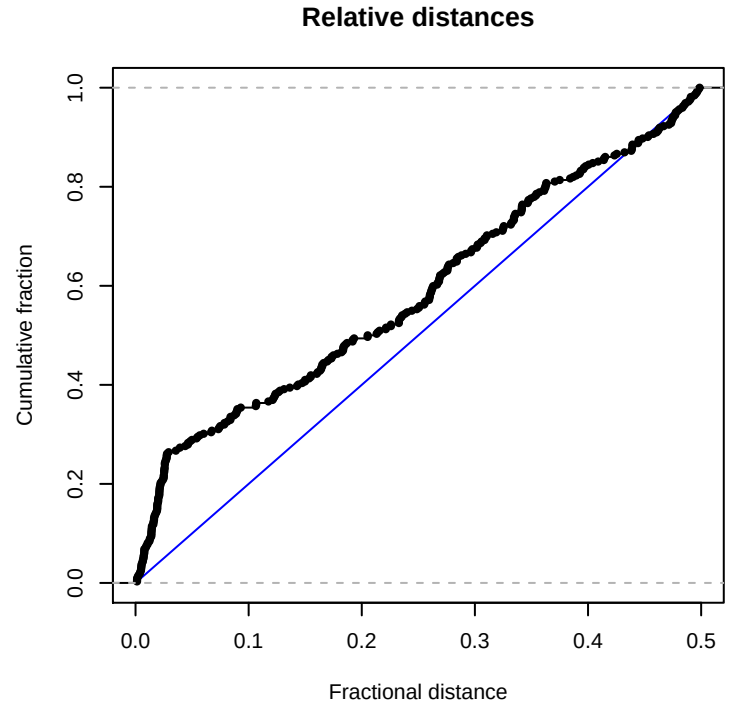




pcontig_073

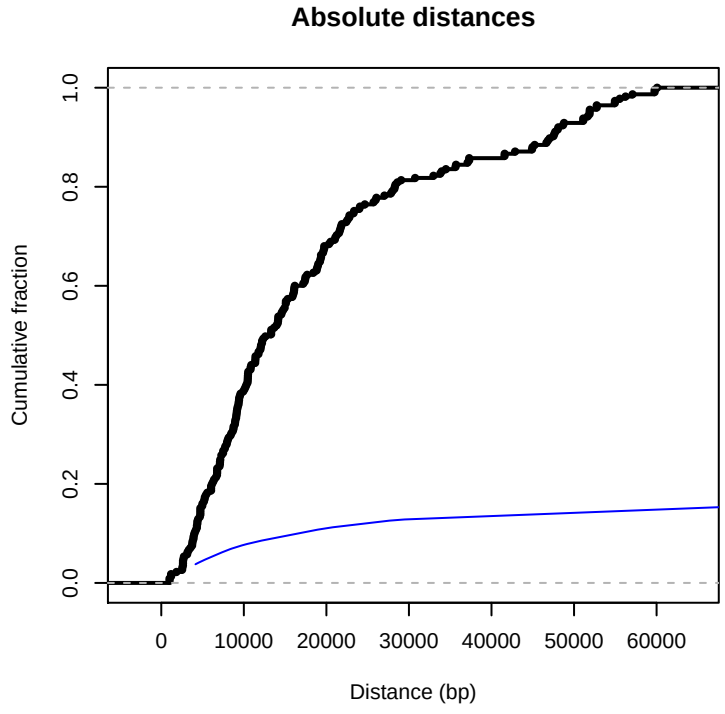
Query population : 322
Reference population : 5
Relative Ks p−value : 3.1235e−12
Relative ecdf deviation area : 0.0416752
Relative ecdf area correlation : 0.163053
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.4
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0979192
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.8294

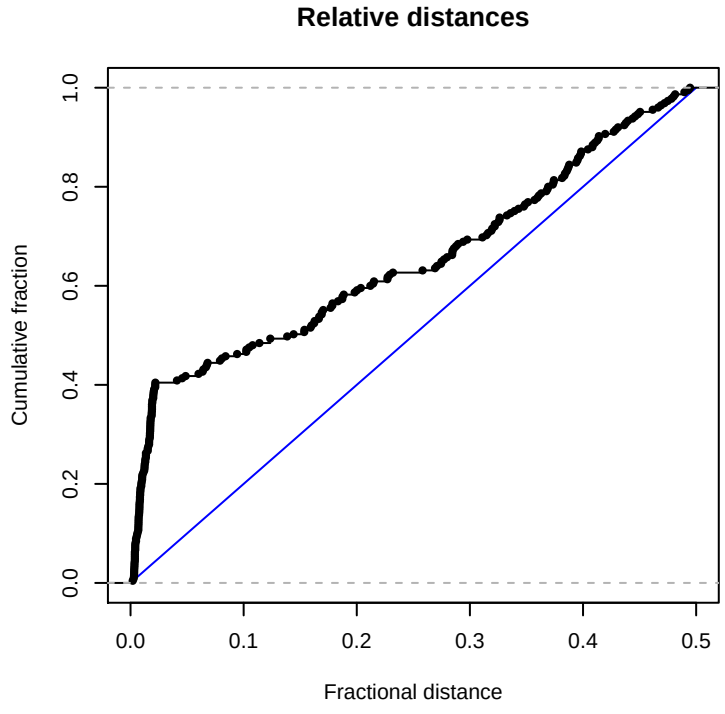




pcontig_074

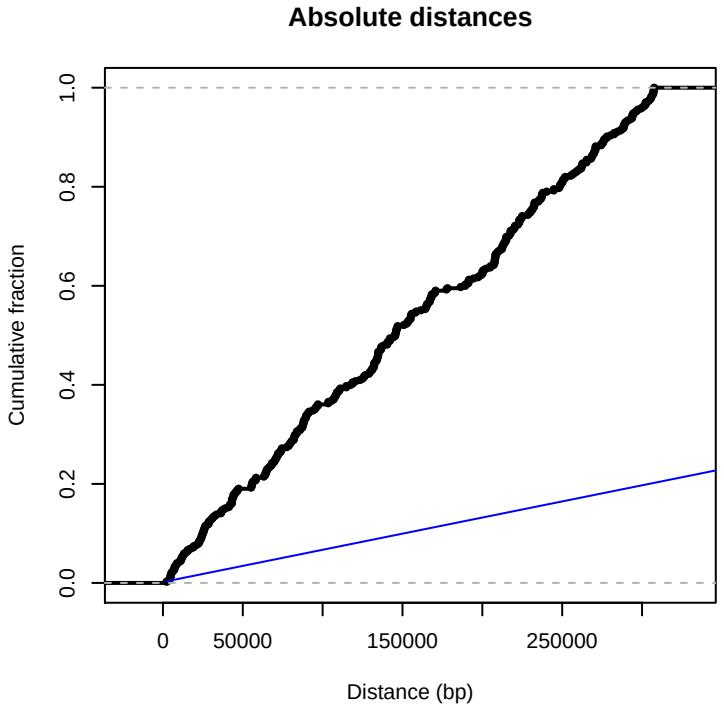
Query population : 225
Reference population : 14
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0736924
Relative ecdf area correlation : 0.294609
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.06
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0664485
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

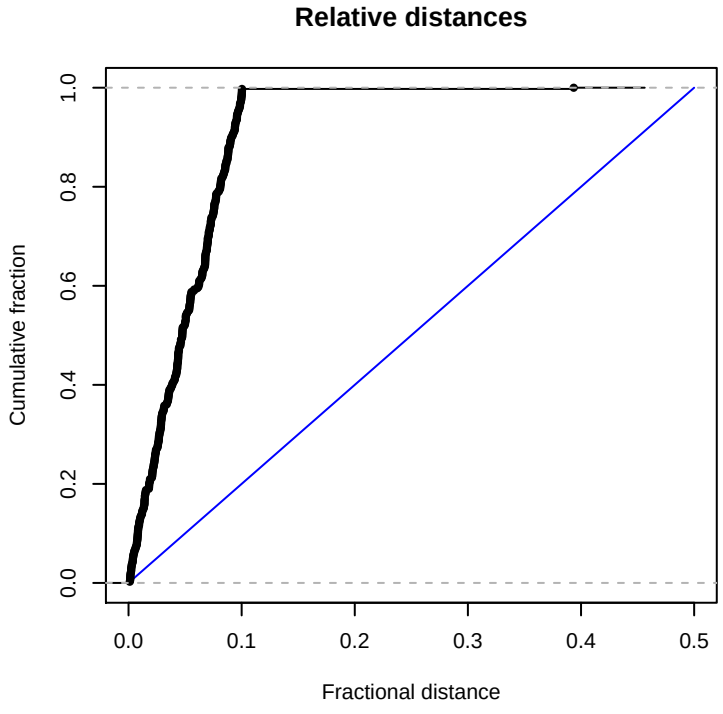




pcontig_075

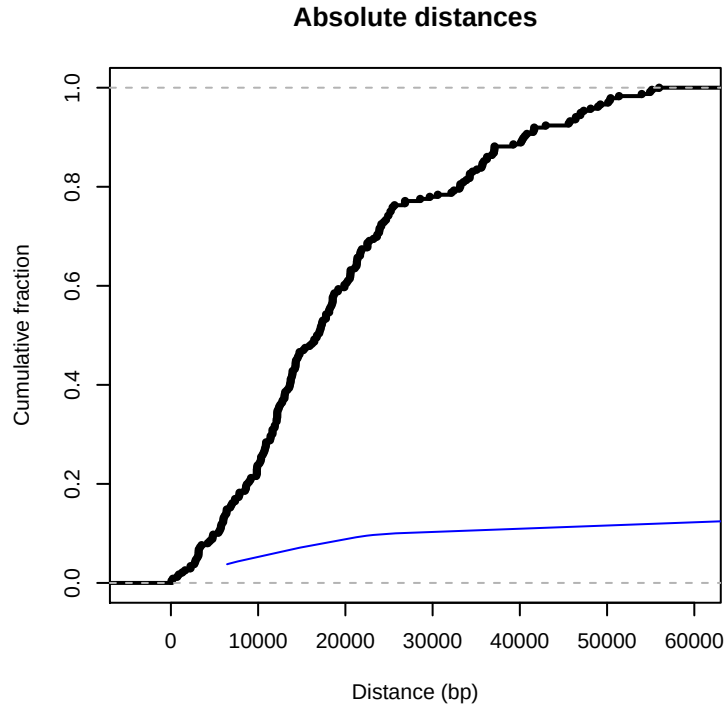
Query population : 405
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.199713
Relative ecdf area correlation : 0.799164
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.43
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.282705
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

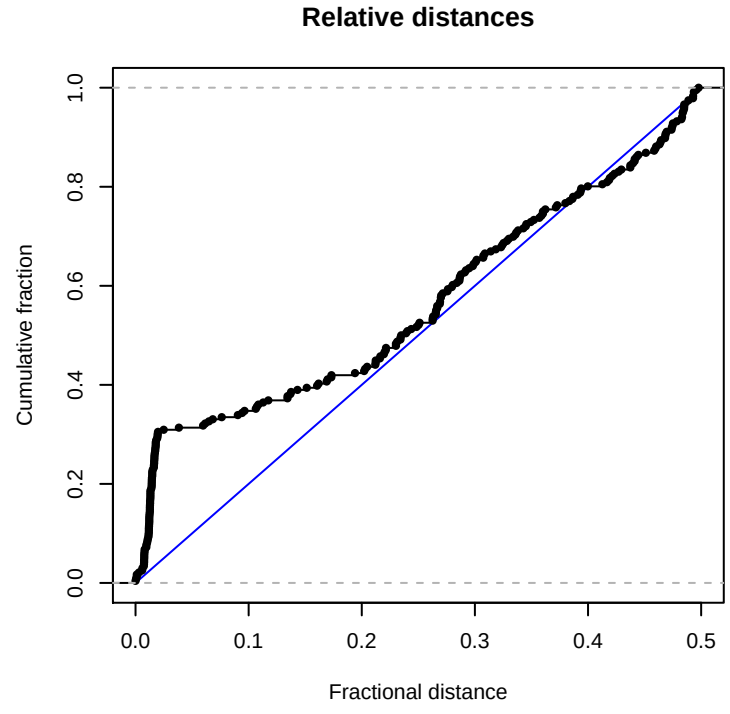




pcontig_077

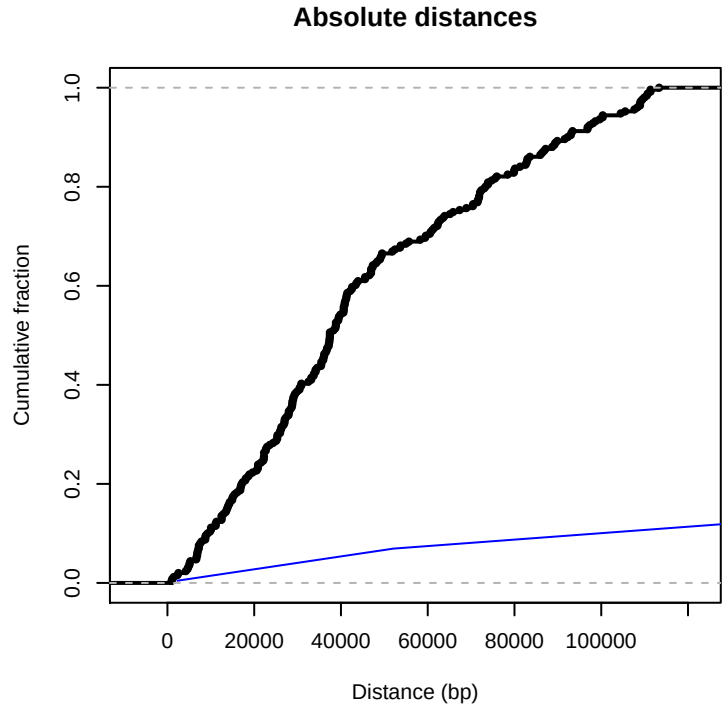
Query population : 236
Reference population : 9
Relative Ks p−value : 7.43849e−15
Relative ecdf deviation area : 0.0349326
Relative ecdf area correlation : 0.118677
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.12
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0213874
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.5557

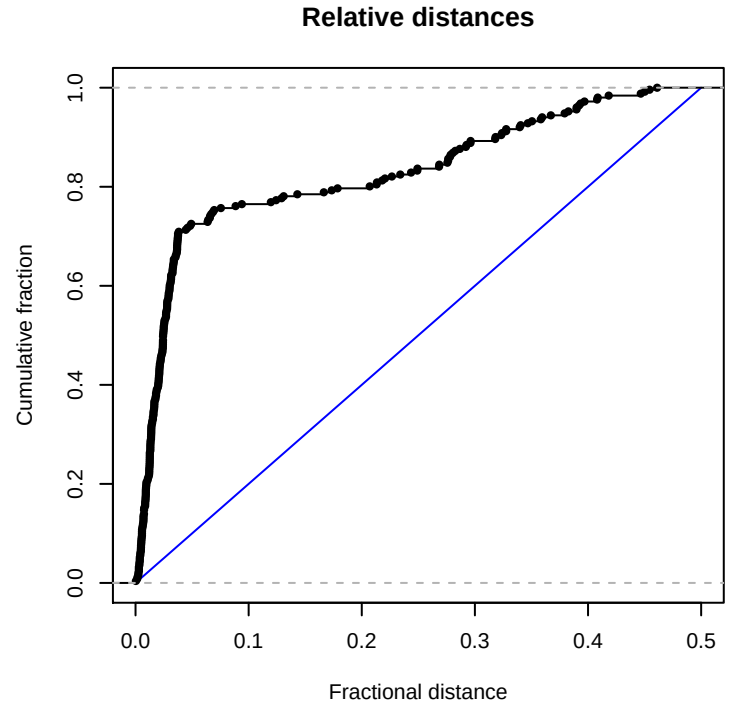




pcontig_078

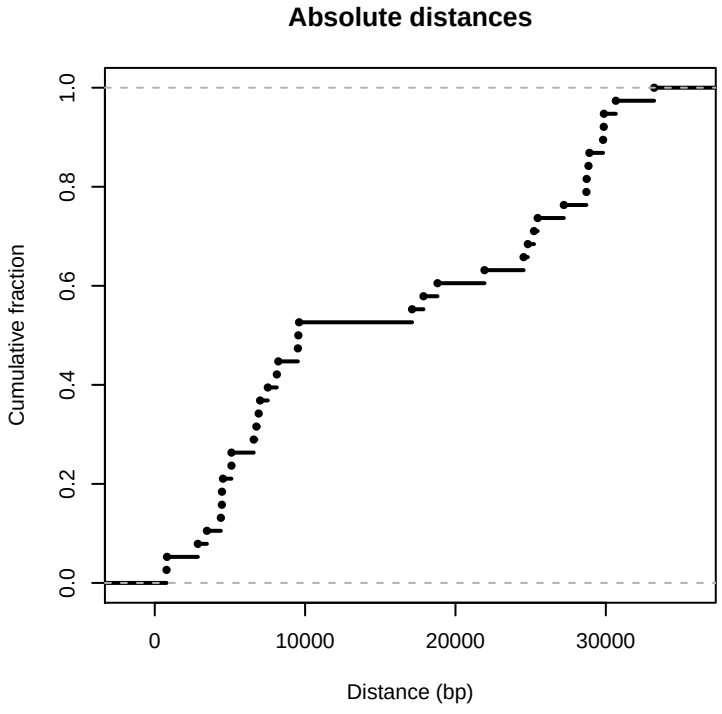
Query population : 251
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.163569
Relative ecdf area correlation : 0.654289
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0780263
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.17645

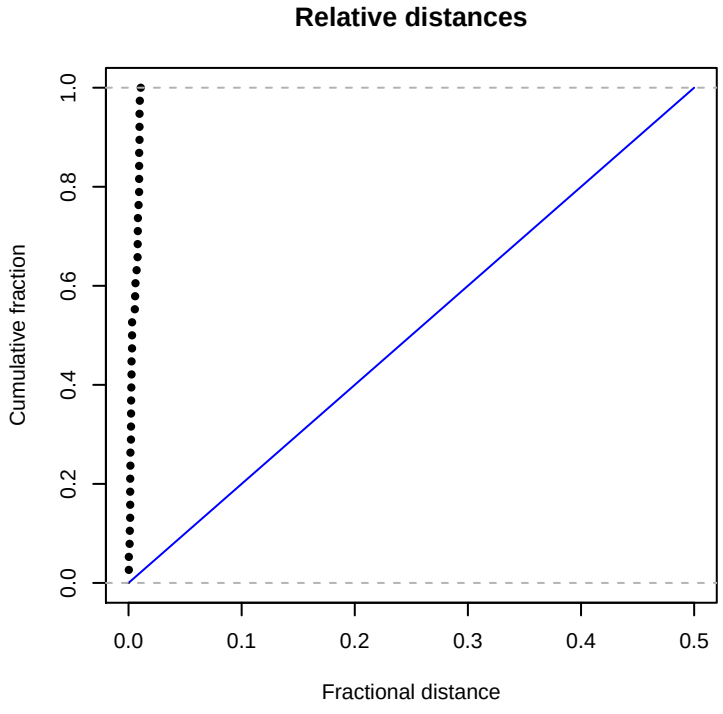




pcontig_079

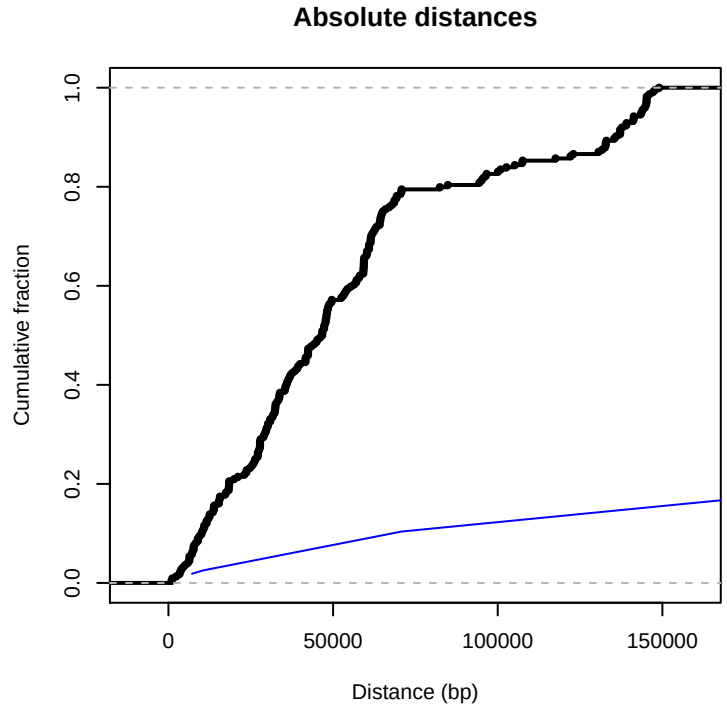
Query population : 38
Reference population : 1
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.245106
Relative ecdf area correlation : 0.979879
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000184041
Projection test lower tail : FALSE
Projection test observed to expected ratio : 51.1158

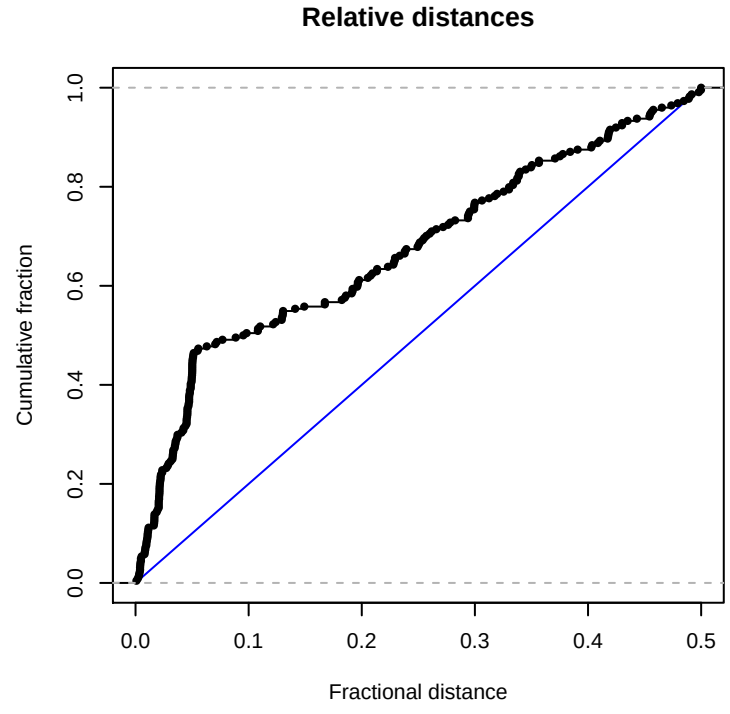




pcontig_080

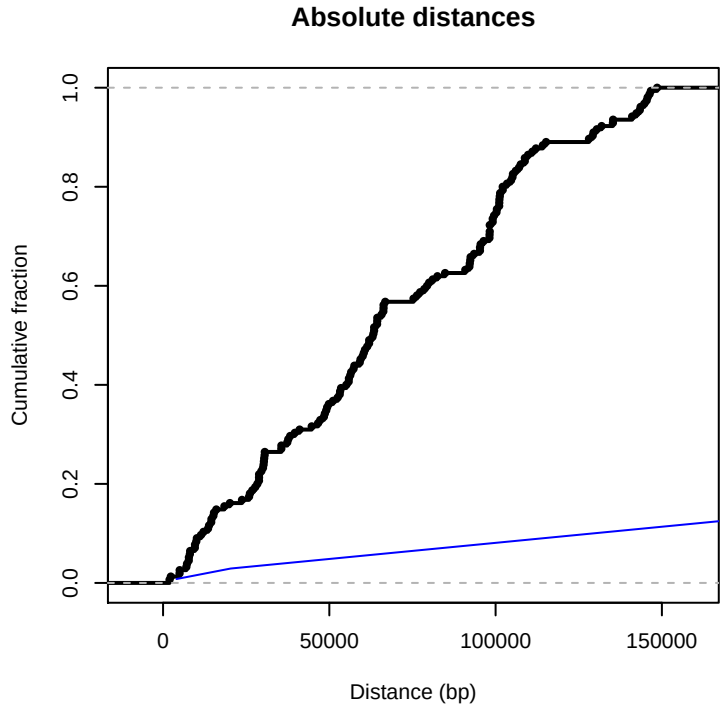
Query population : 224
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0841116
Relative ecdf area correlation : 0.335971
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.12
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0227163
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.34549

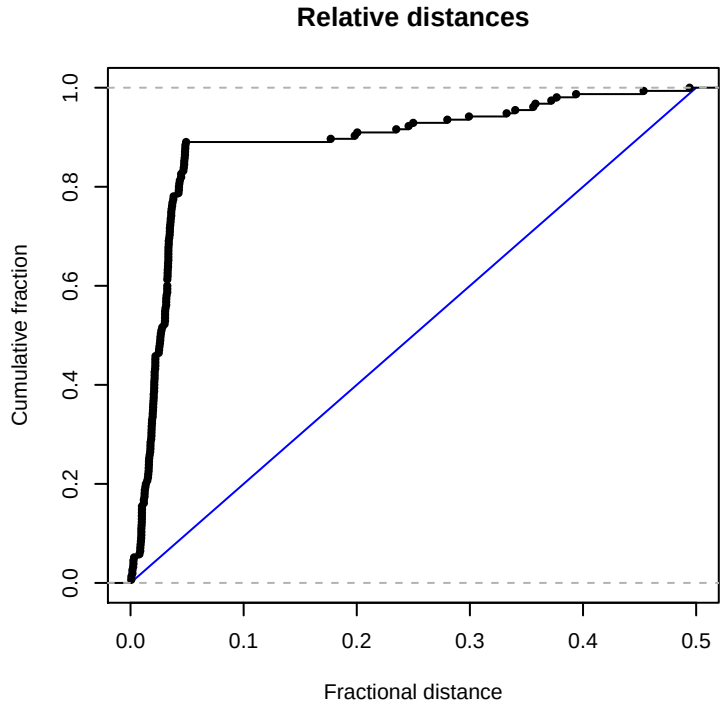




pcontig_081

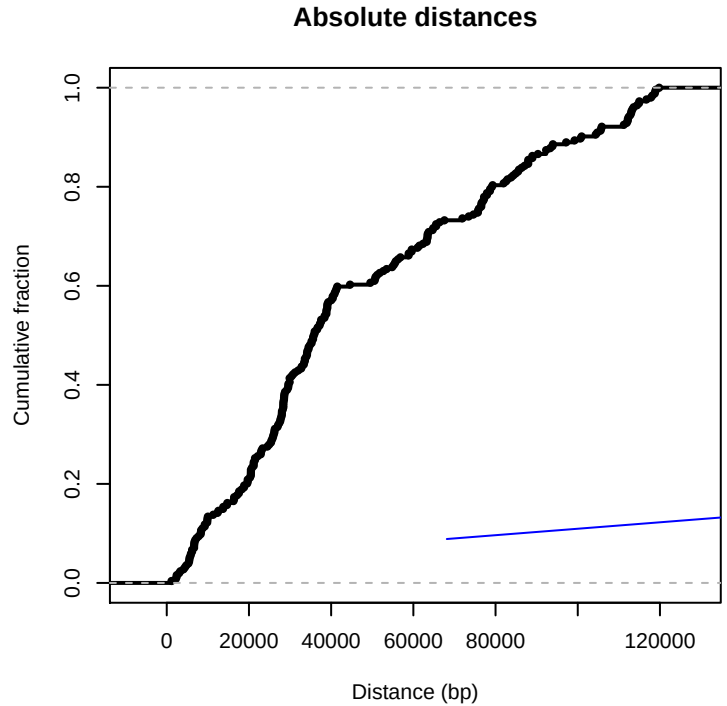
Query population : 155
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.193247
Relative ecdf area correlation : 0.773636
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.33
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.336601
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

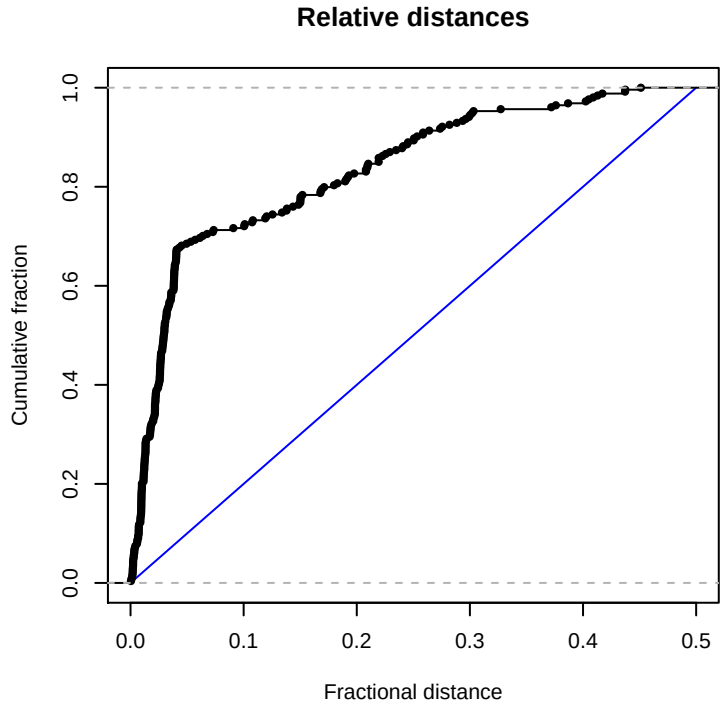




pcontig_082

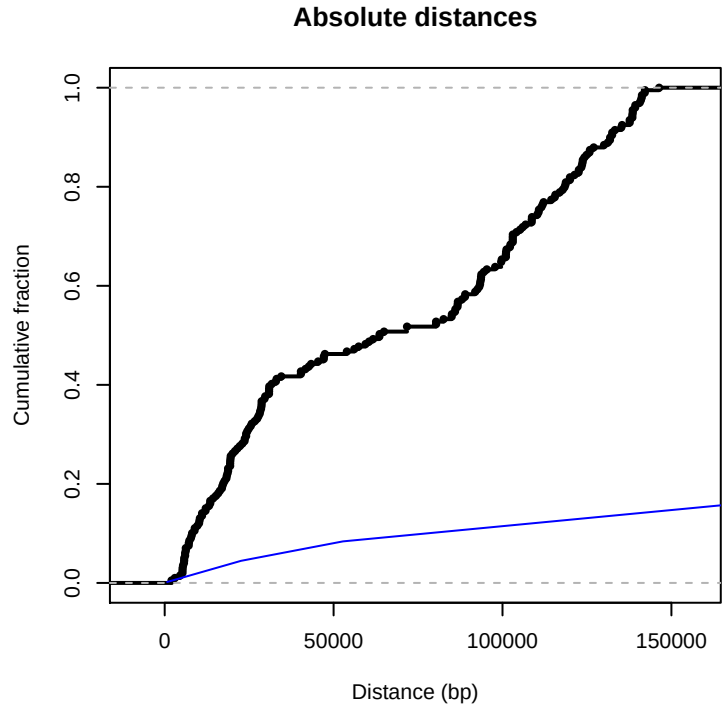
Query population : 254
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.166351
Relative ecdf area correlation : 0.665575
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.4
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.228575
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

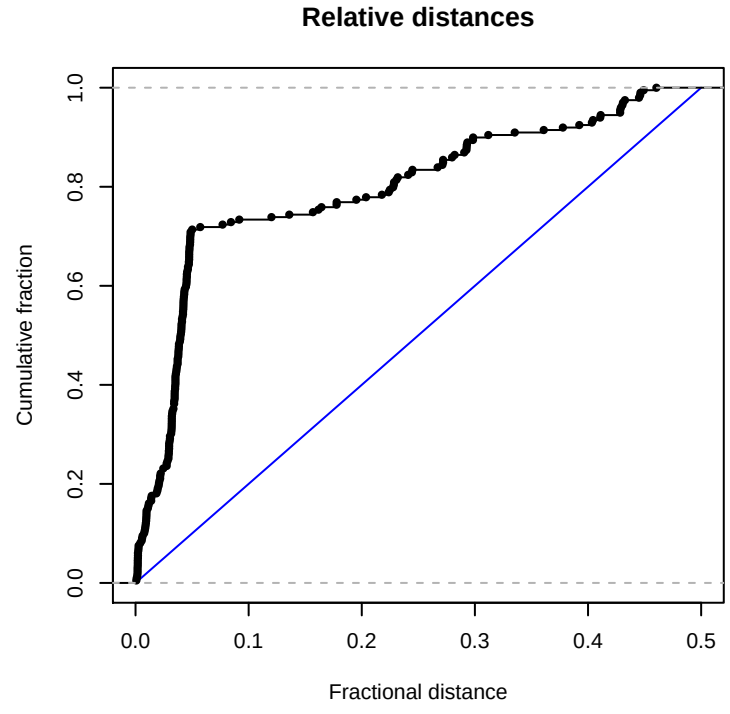




pcontig_083

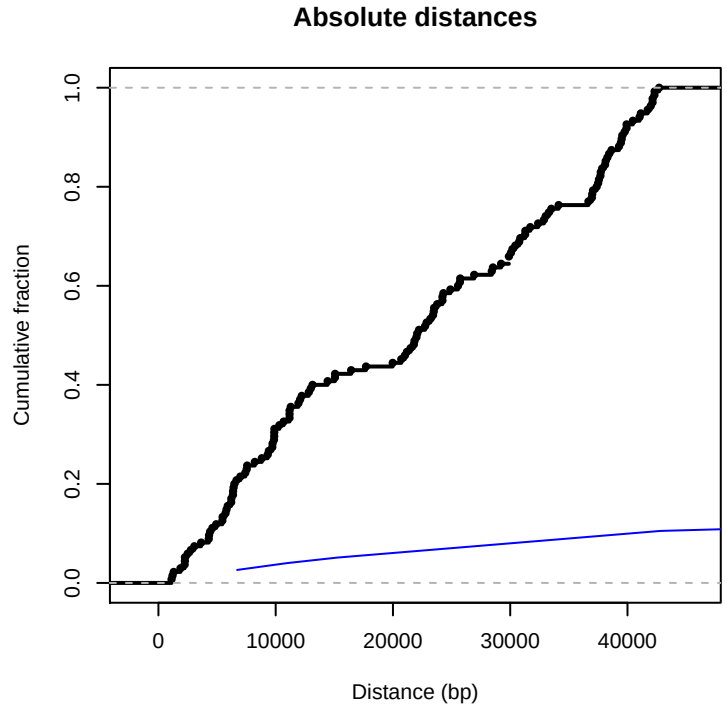
Query population : 199
Reference population : 4
Relative Ks p−value : 0
Relative ecdf deviation area : 0.147258
Relative ecdf area correlation : 0.588986
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.44
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.326304
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

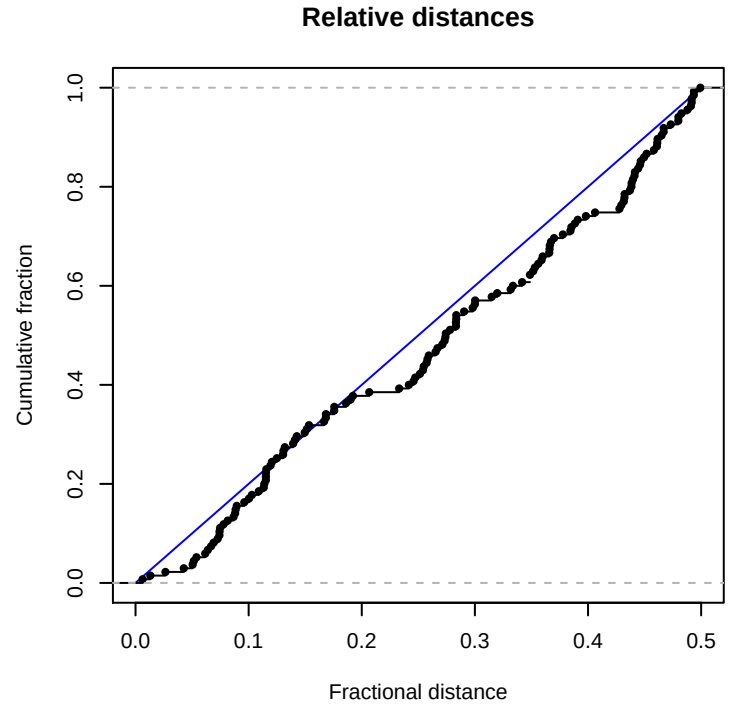




pcontig_084

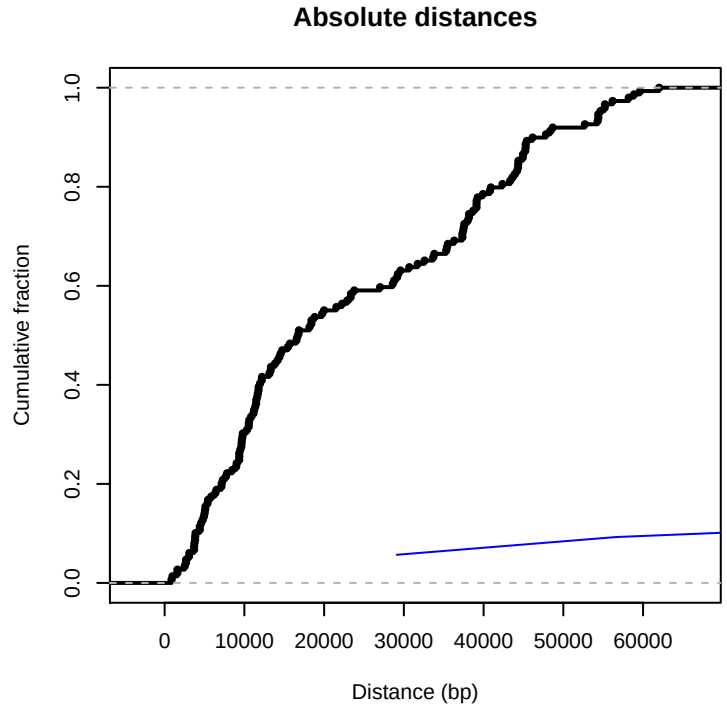
Query population : 135
Reference population : 6
Relative Ks p−value : 0.088591
Relative ecdf deviation area : 0.0221285
Relative ecdf area correlation : −0.0879928
Relative ecdf deviation area p−value : 0.1
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.151226
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.45435

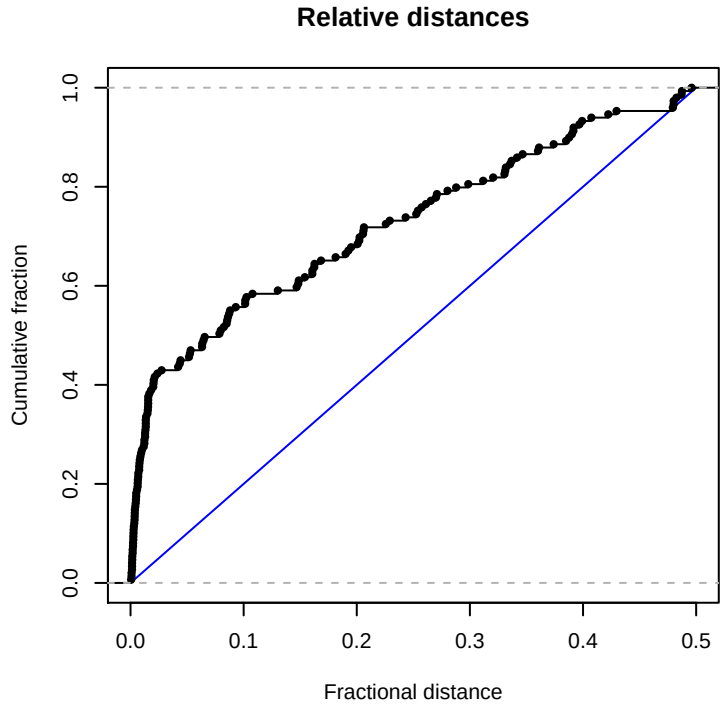




pcontig_086

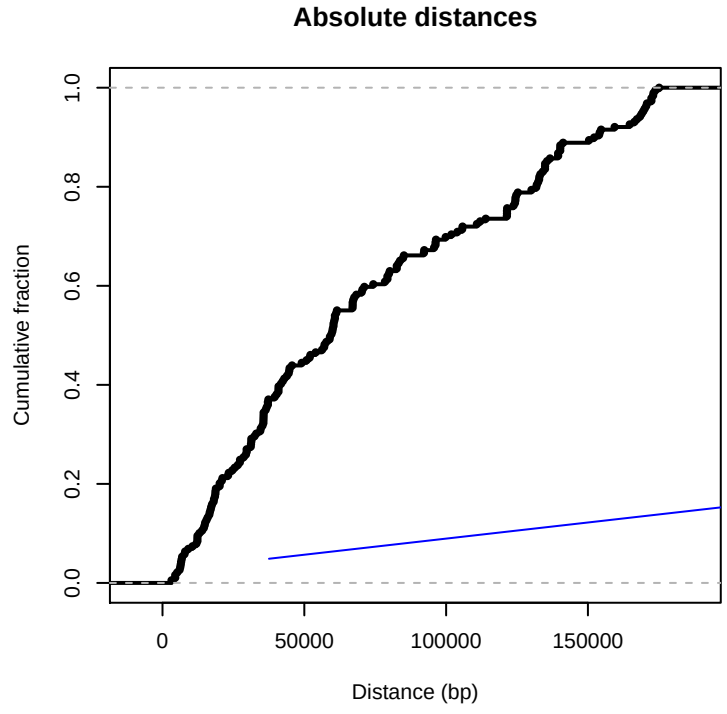
Query population : 149
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.111445
Relative ecdf area correlation : 0.444823
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.24
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.285425
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

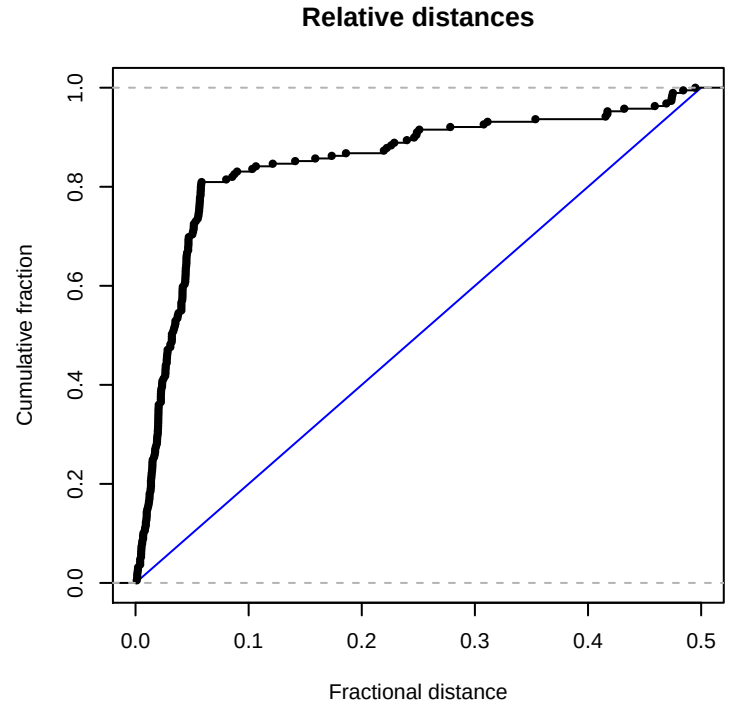




pcontig_087

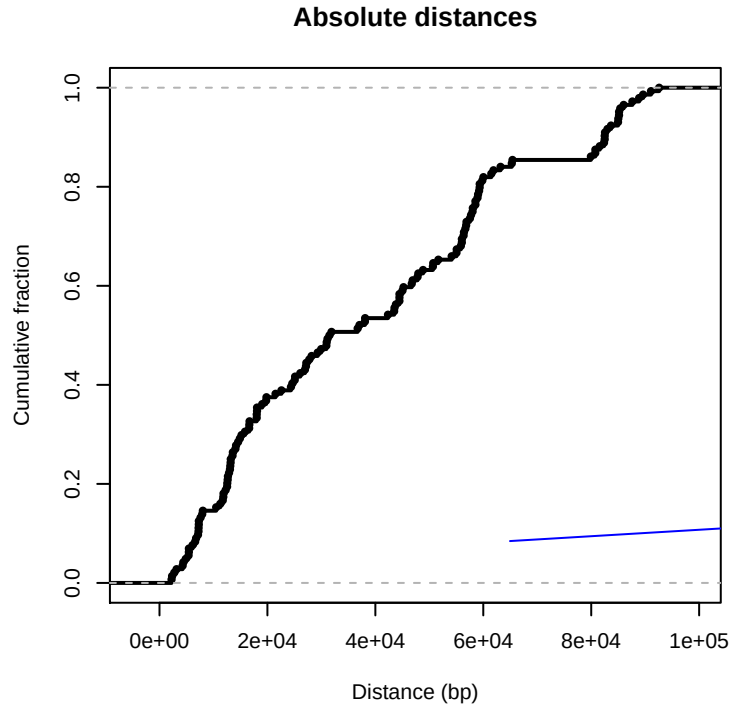
Query population : 189
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.173413
Relative ecdf area correlation : 0.693923
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.44
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.322345
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

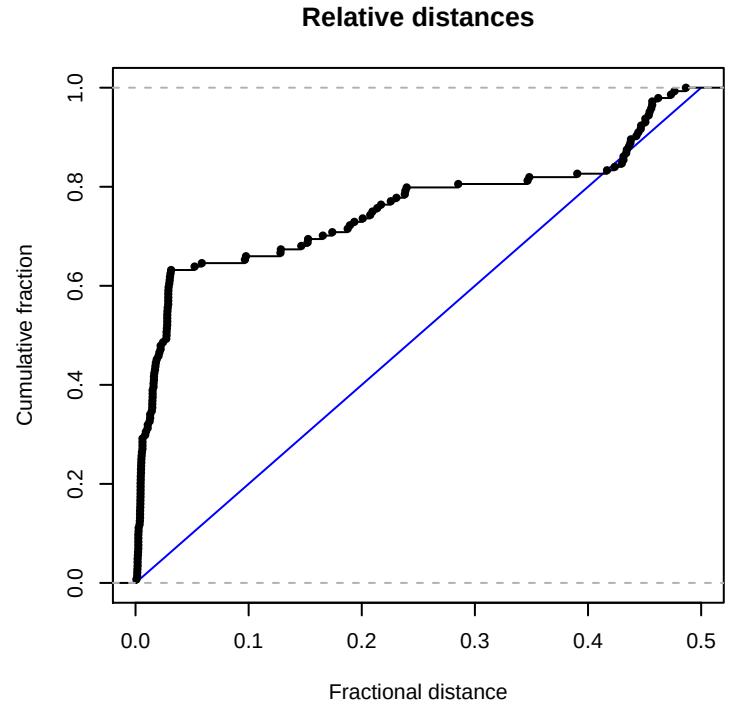




pcontig_088

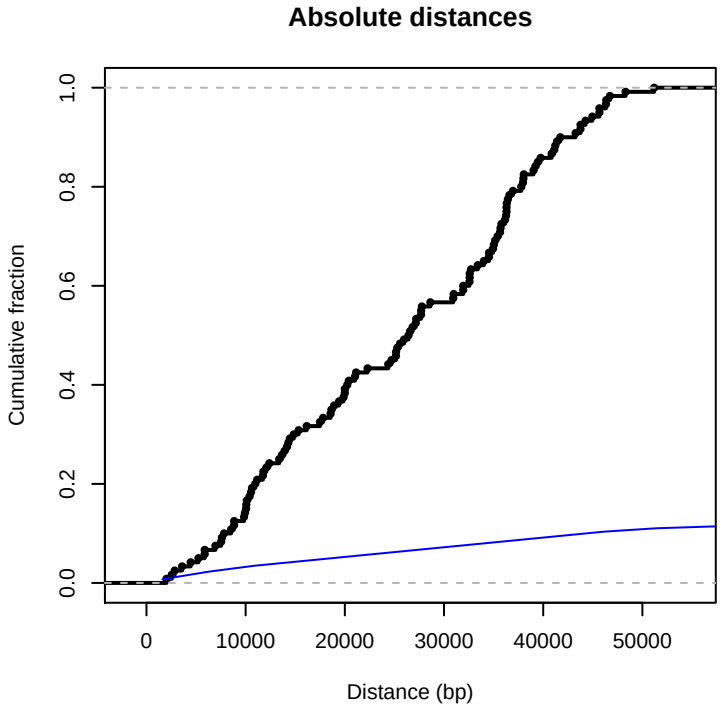
Query population : 144
Reference population : 2
Relative Ks p−value : 0
Relative ecdf deviation area : 0.126196
Relative ecdf area correlation : 0.503011
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.33
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.225966
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

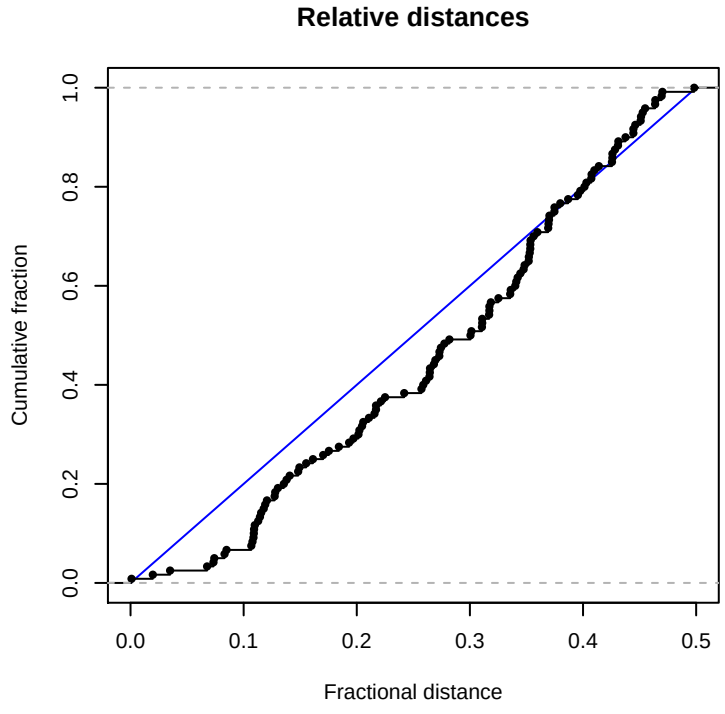




pcontig_089

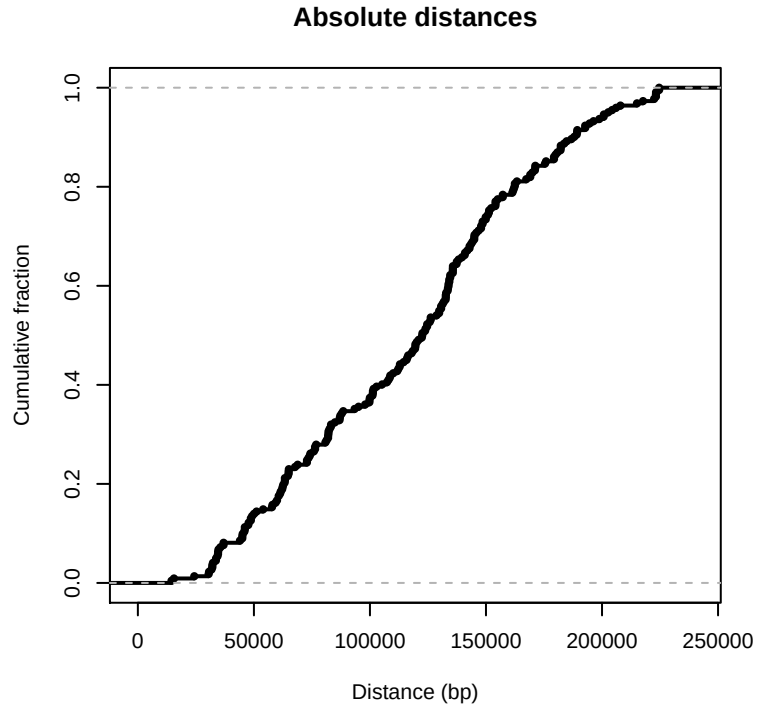
Query population : 120
Reference population : 7
Relative Ks p−value : 0.0113126
Relative ecdf deviation area : 0.0327781
Relative ecdf area correlation : −0.114011
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.36
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.214583
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.15598

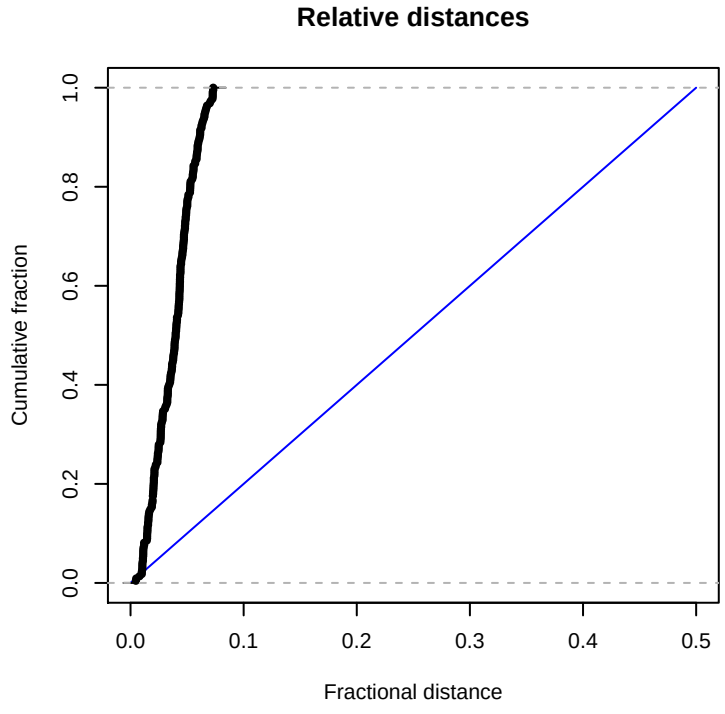




pcontig_090

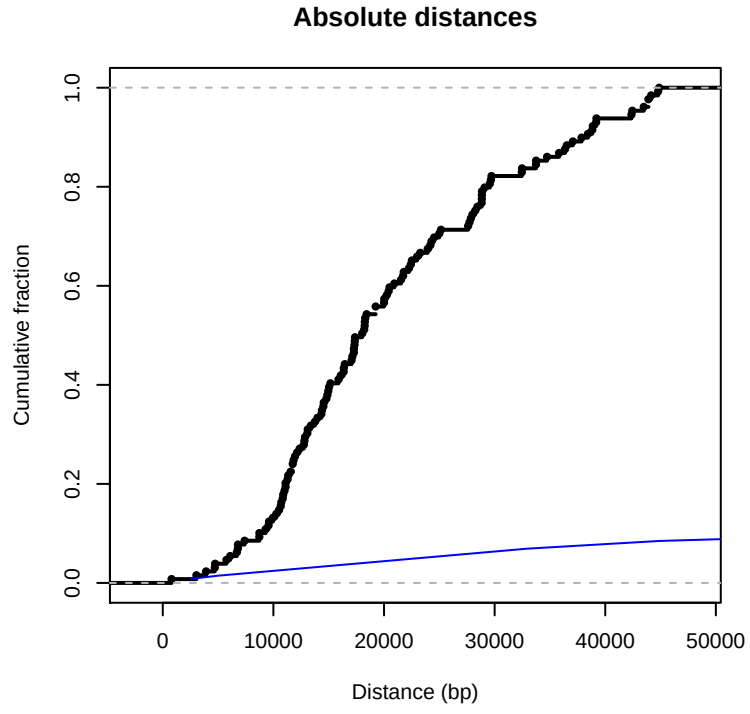
Query population : 222
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.21187
Relative ecdf area correlation : 0.847407
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.11
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0406936
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

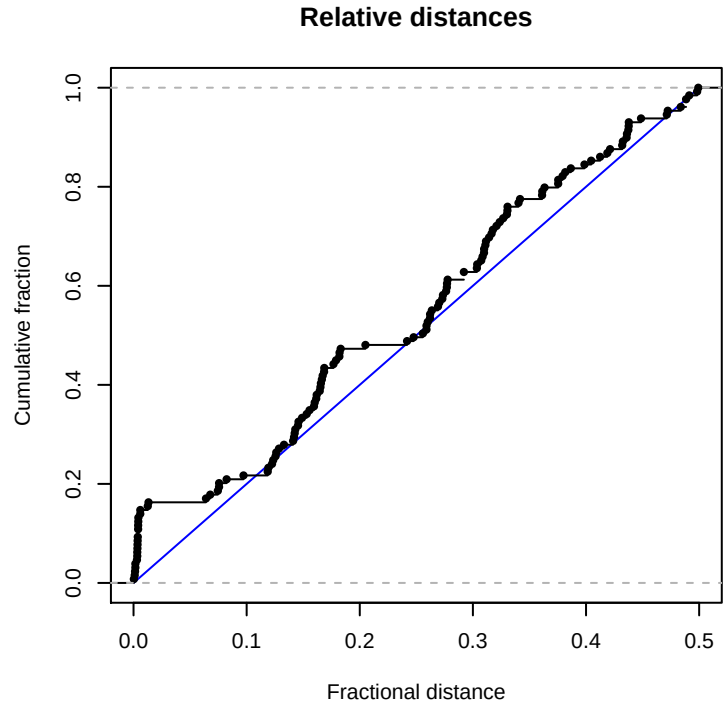




pcontig_091

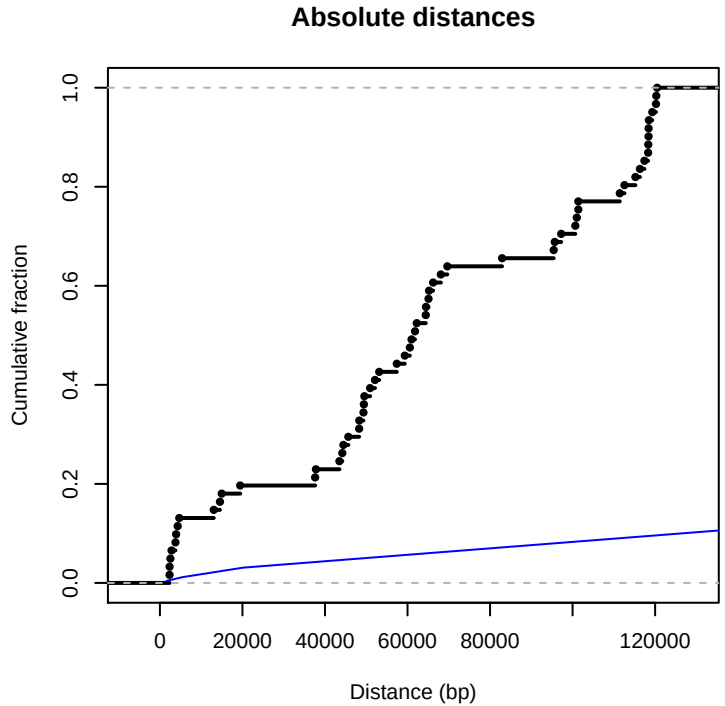
Query population : 129
Reference population : 5
Relative Ks p−value : 0.0165755
Relative ecdf deviation area : 0.0217731
Relative ecdf area correlation : 0.0872762
Relative ecdf deviation area p−value : 0.1
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.157575
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.41664

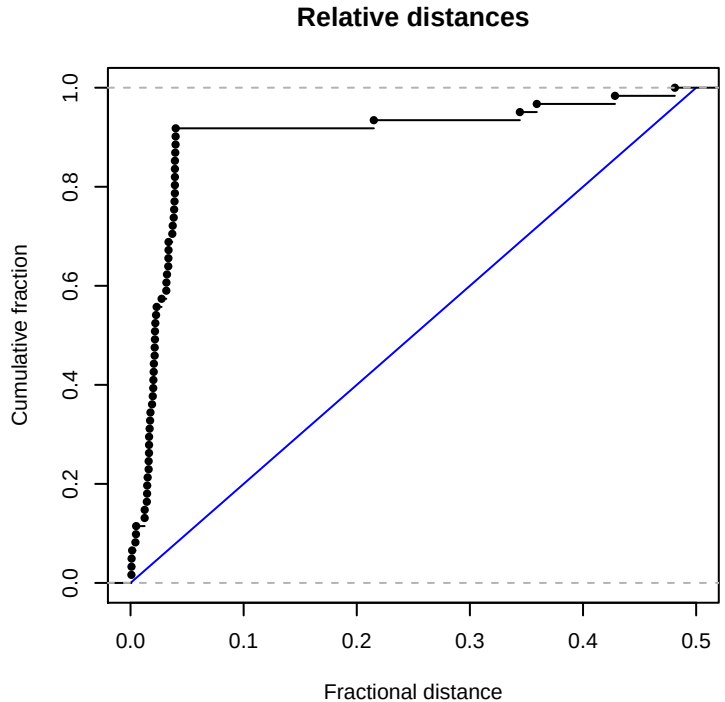




pcontig_092

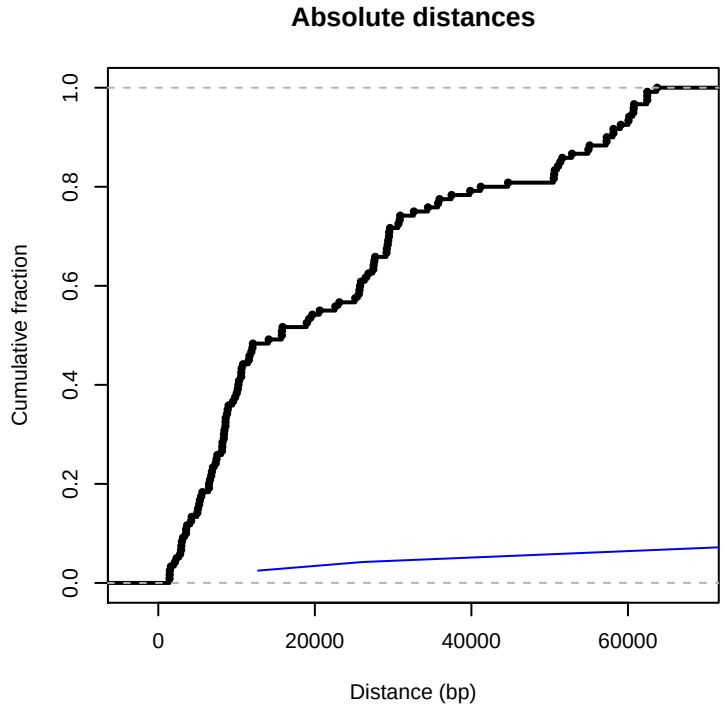
Query population : 61
Reference population : 4
Relative Ks p−value : 1.66533e−15
Relative ecdf deviation area : 0.198467
Relative ecdf area correlation : 0.794214
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.31
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.189068
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

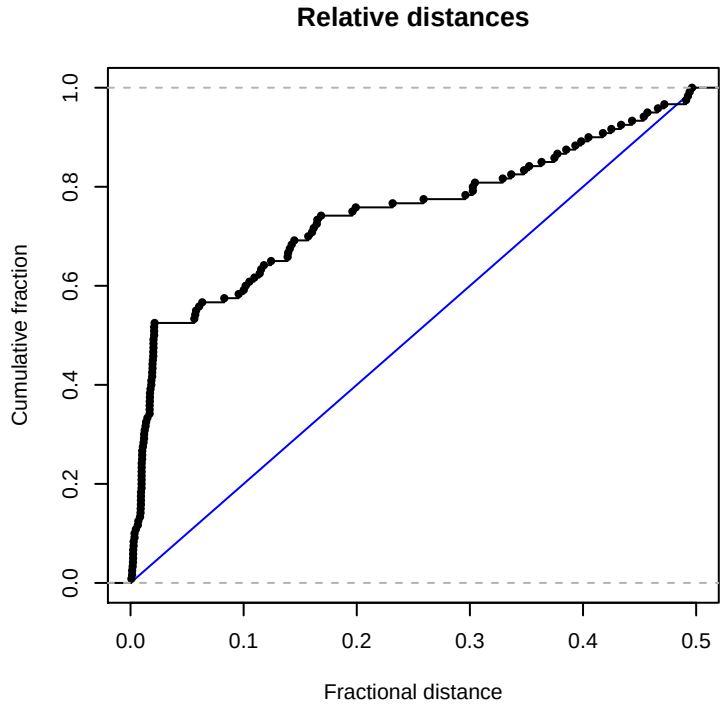




pcontig_095

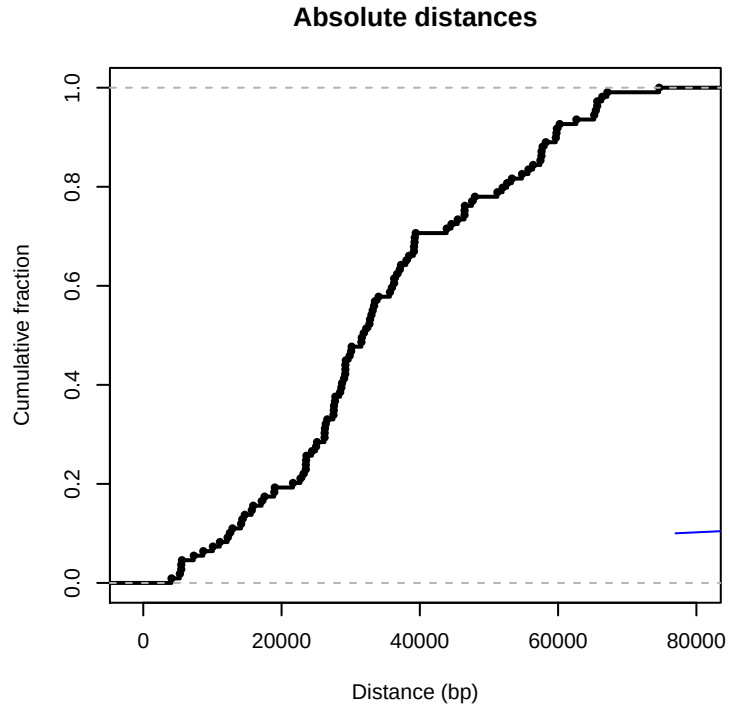
Query population : 120
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.120031
Relative ecdf area correlation : 0.483653
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.33
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.156396
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

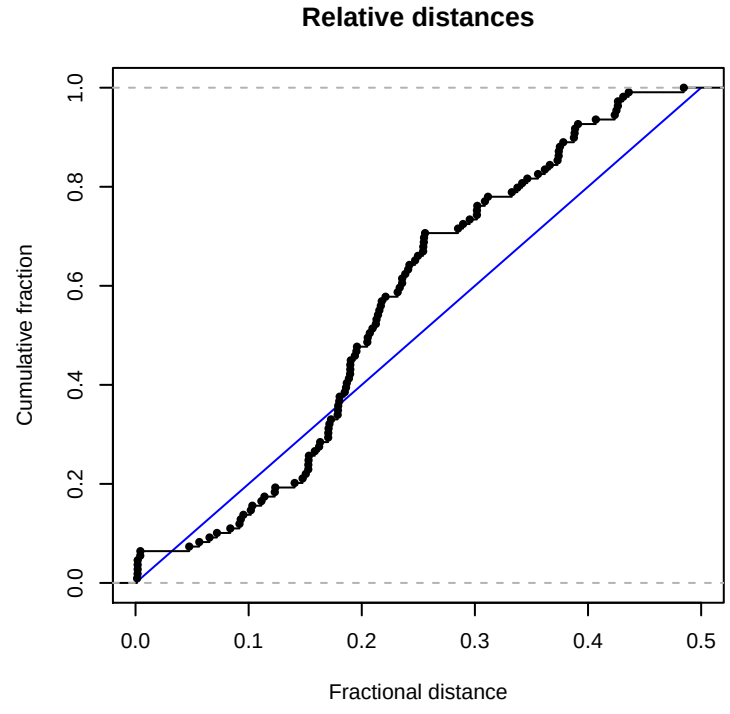




pcontig_097

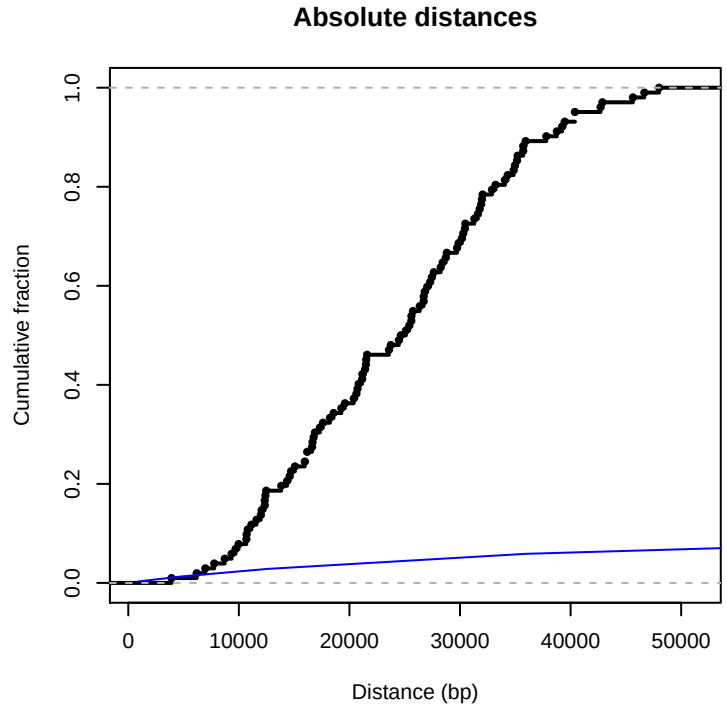
Query population : 109
Reference population : 2
Relative Ks p−value : 0.000523344
Relative ecdf deviation area : 0.0437836
Relative ecdf area correlation : 0.112893
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.2
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.111279
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

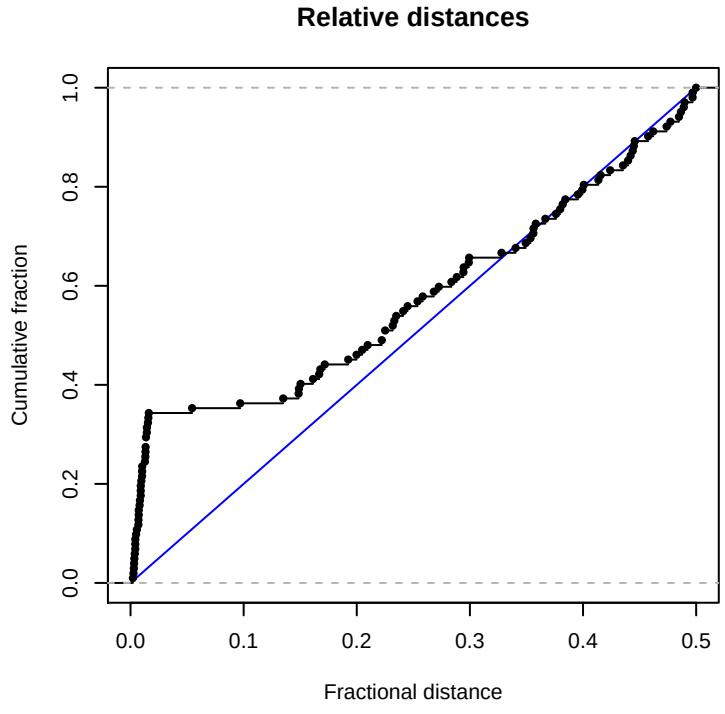




pcontig_100

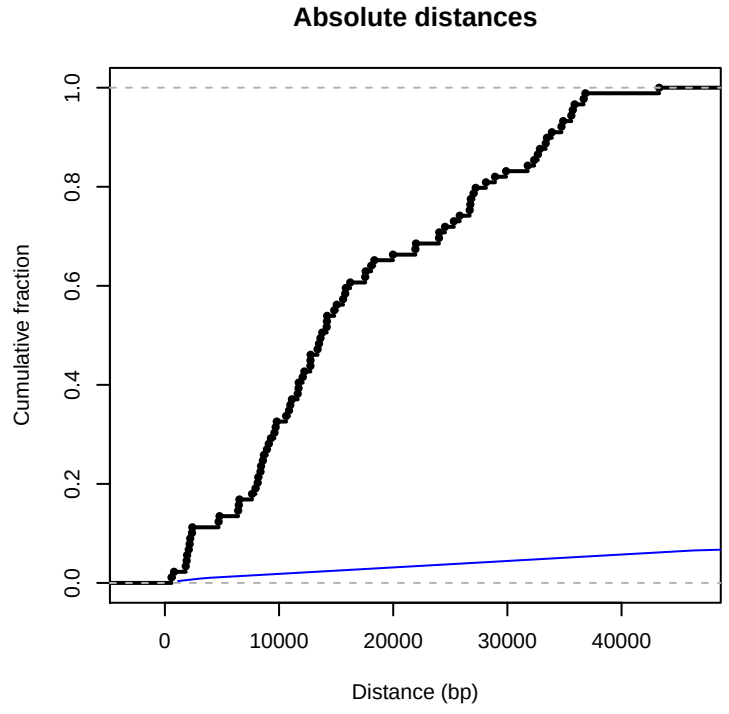
Query population : 102
Reference population : 5
Relative Ks p−value : 5.57127e−09
Relative ecdf deviation area : 0.0400424
Relative ecdf area correlation : 0.139879
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.46
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.339154
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

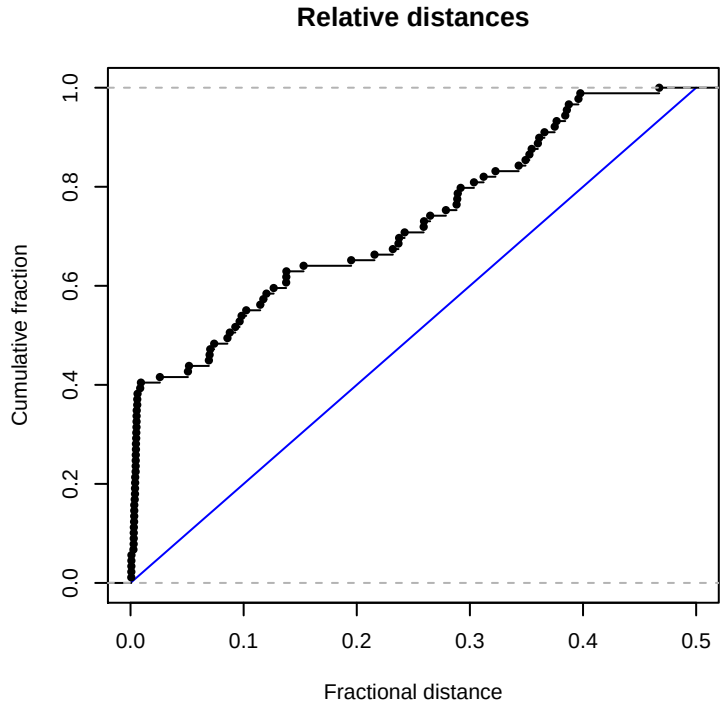




pcontig_103

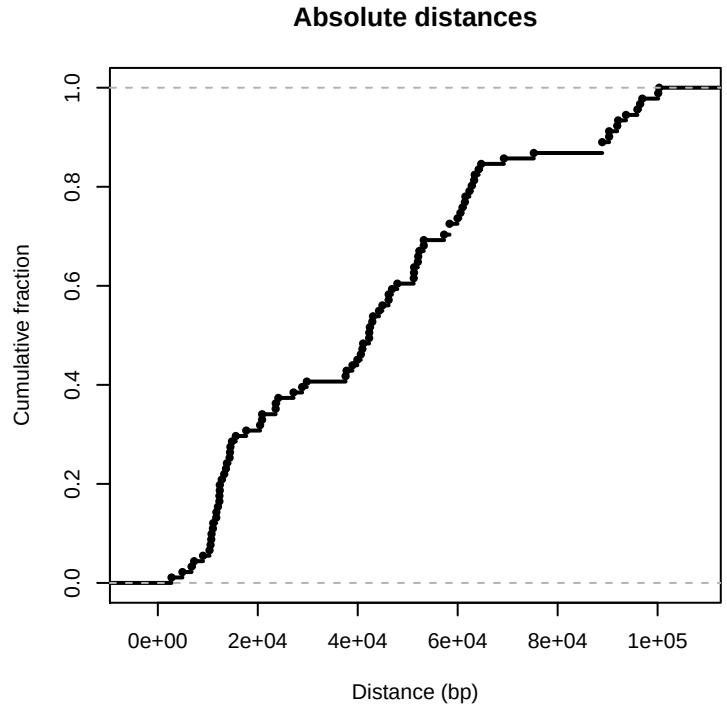
Query population : 89
Reference population : 5
Relative Ks p−value : 1.88061e−12
Relative ecdf deviation area : 0.111375
Relative ecdf area correlation : 0.445398
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000253007
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.20958

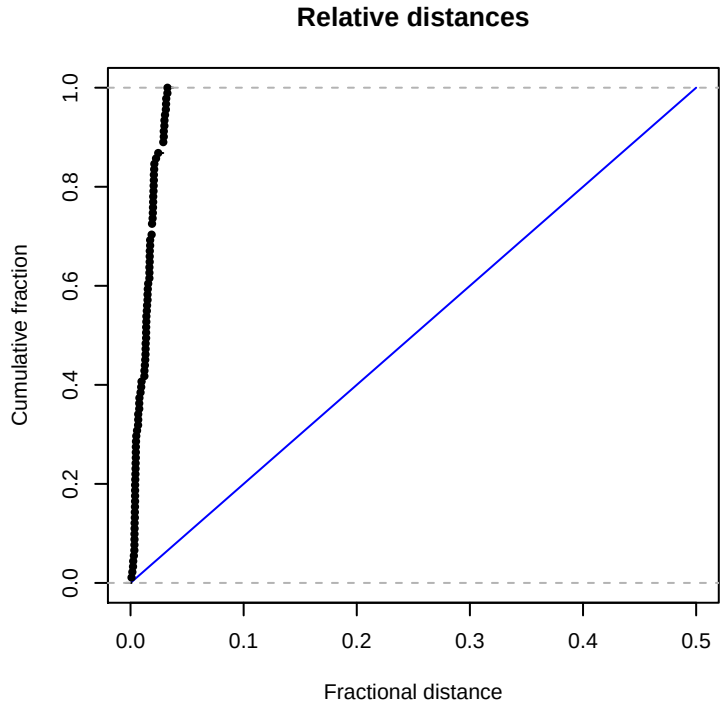




pcontig_104

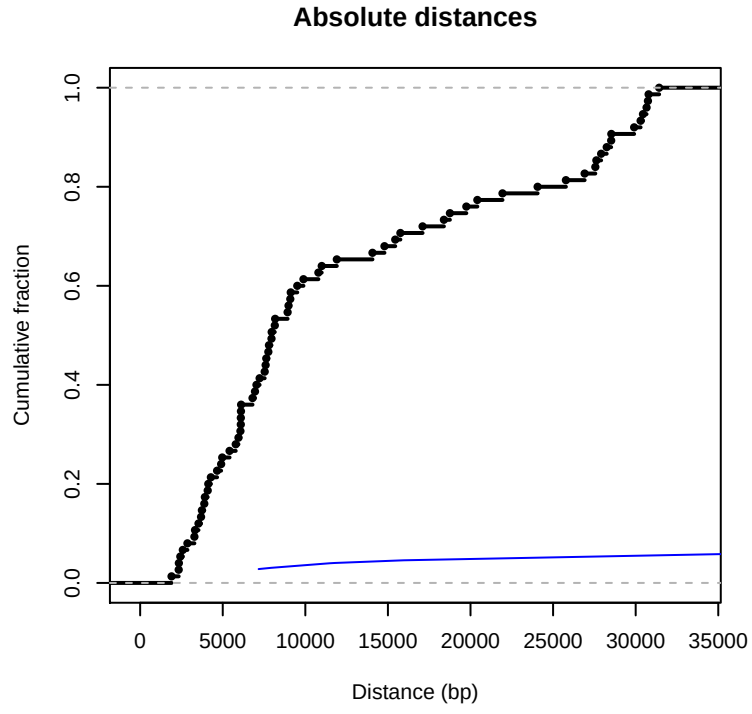
Query population : 91
Reference population : 1
Relative Ks p−value : 3.33067e−16
Relative ecdf deviation area : 0.236355
Relative ecdf area correlation : 0.94483
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.13
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0627068
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

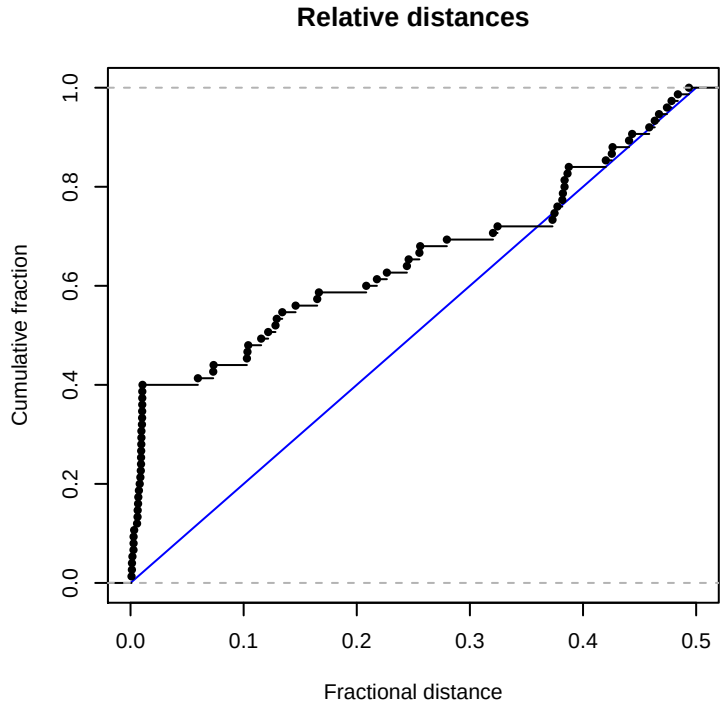




pcontig_106

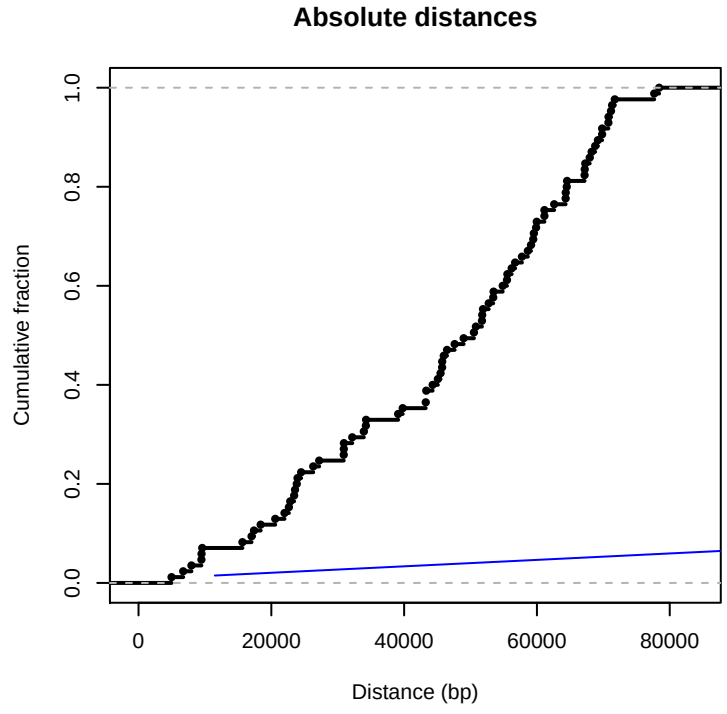
Query population : 75
Reference population : 6
Relative Ks p−value : 3.51359e−10
Relative ecdf deviation area : 0.0728174
Relative ecdf area correlation : 0.28977
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.38
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.297043
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

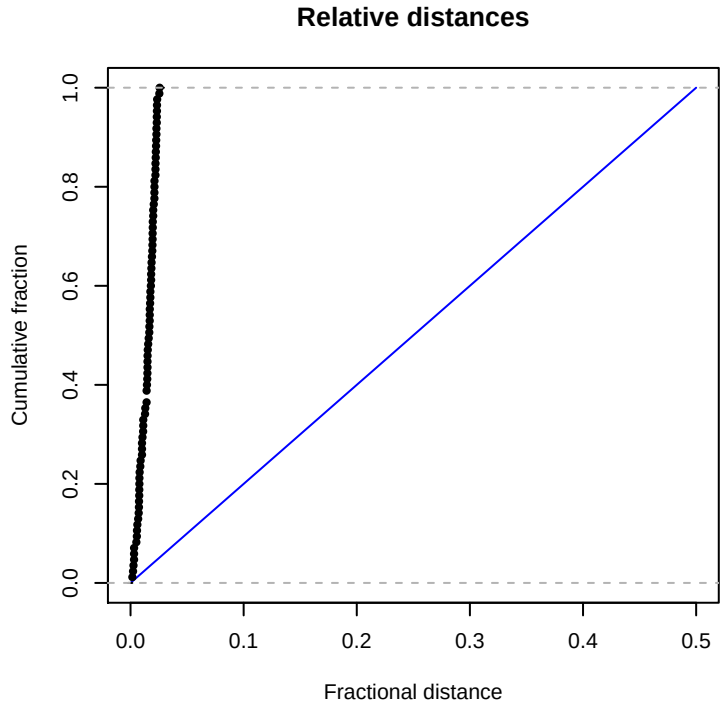




pcontig_110

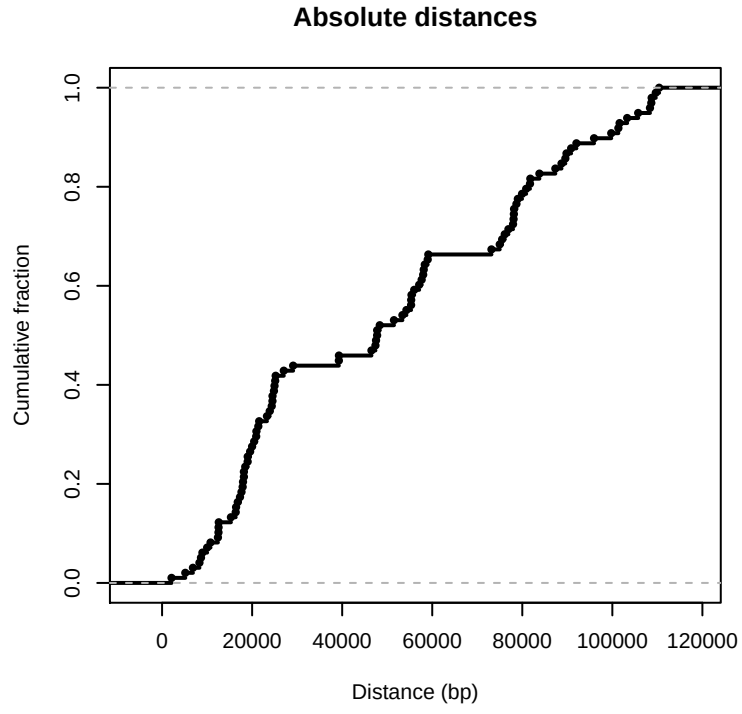
Query population : 85
Reference population : 2
Relative Ks p−value : 9.99201e−16
Relative ecdf deviation area : 0.234972
Relative ecdf area correlation : 0.939699
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.25
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.164698
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

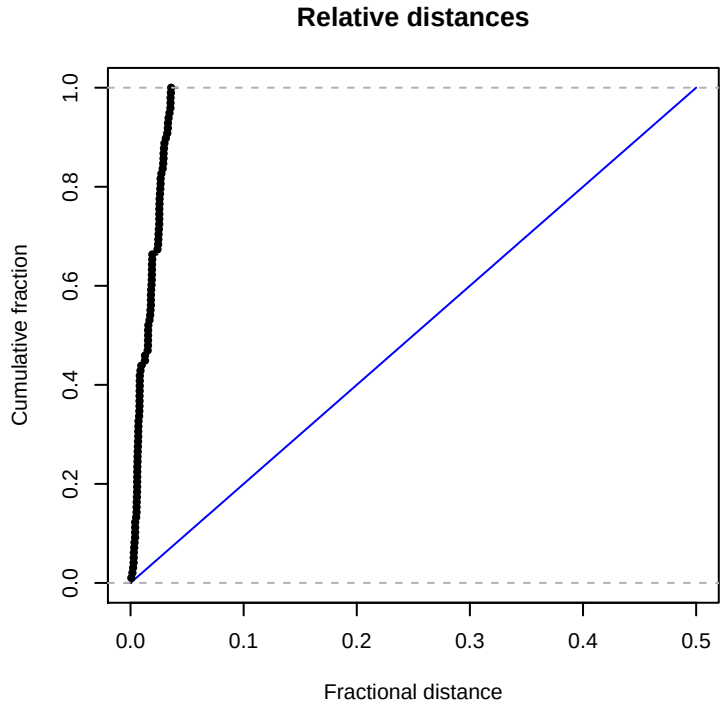




pcontig_112

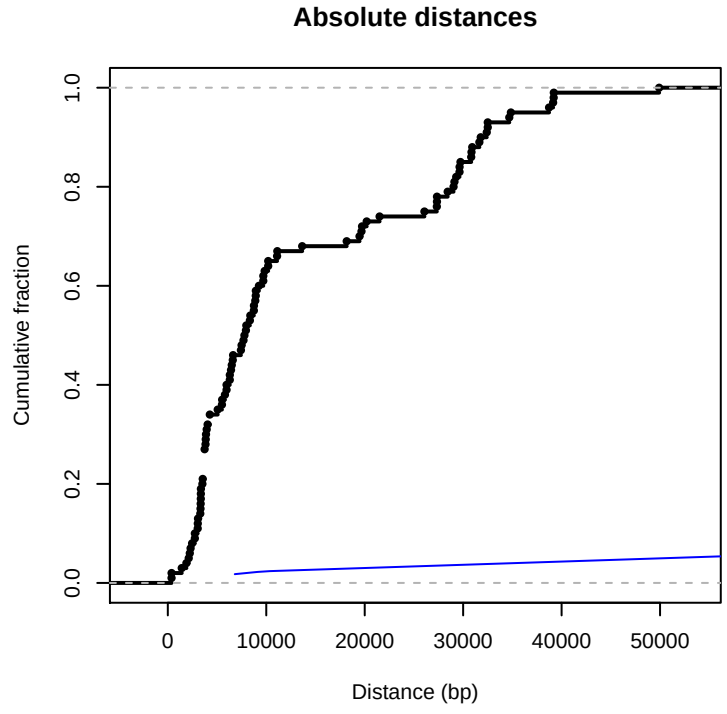
Query population : 98
Reference population : 1
Relative Ks p−value : 4.44089e−16
Relative ecdf deviation area : 0.2339
Relative ecdf area correlation : 0.935446
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.09
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0611828
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

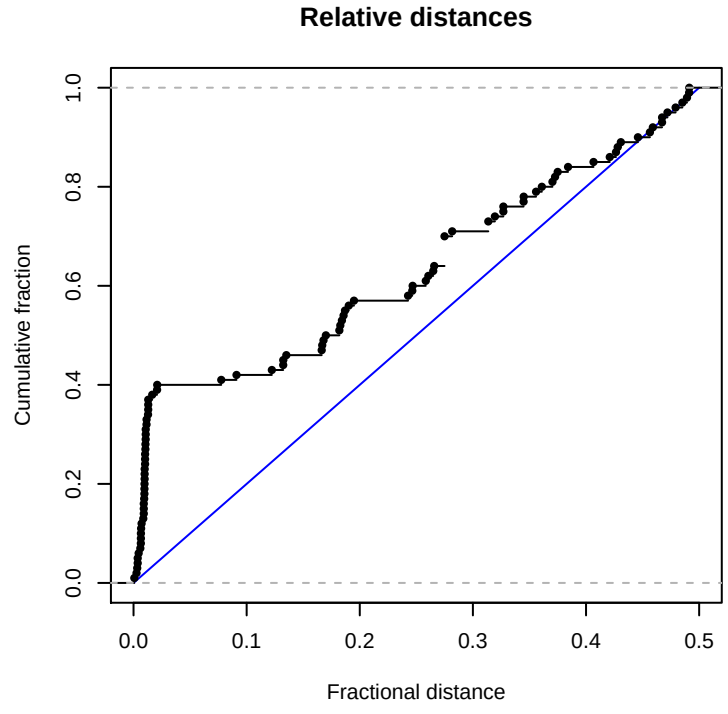




pcontig_115

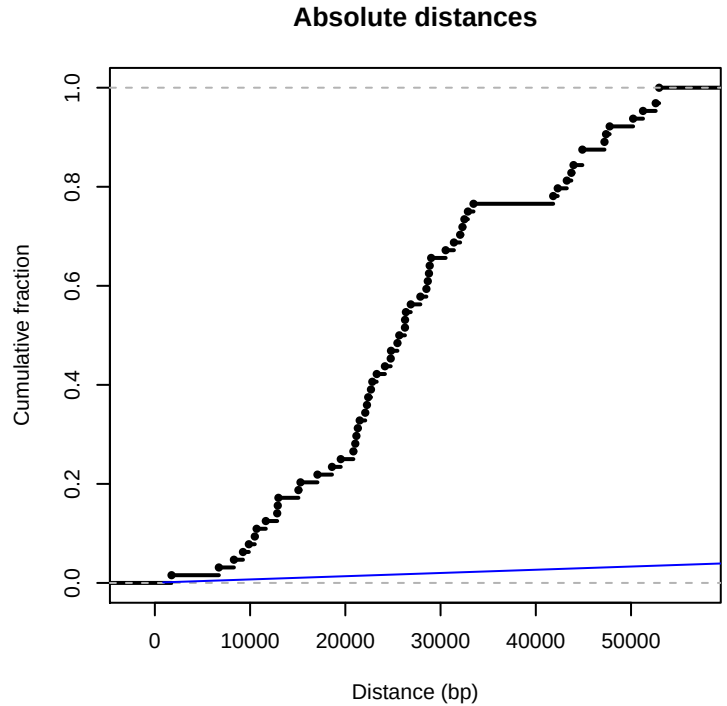
Query population : 100
Reference population : 4
Relative Ks p−value : 1.44201e−11
Relative ecdf deviation area : 0.0643818
Relative ecdf area correlation : 0.256437
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00192172
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.26708

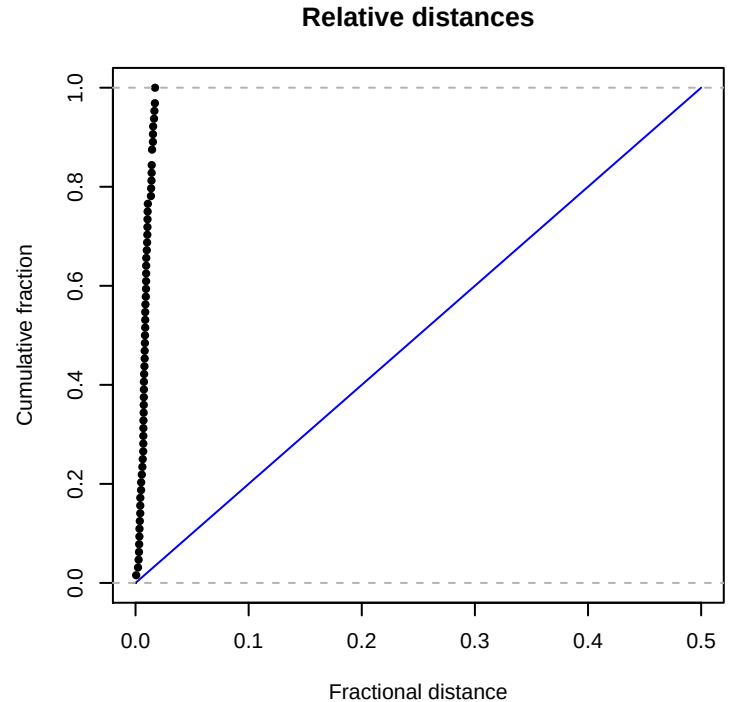




pcontig_120

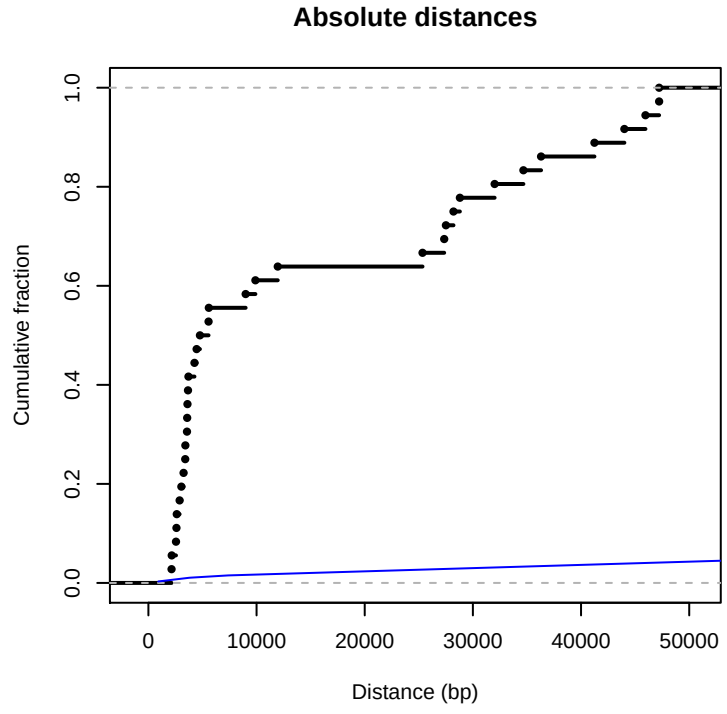
Query population : 64
Reference population : 2
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.241048
Relative ecdf area correlation : 0.963997
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.13
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0666702
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

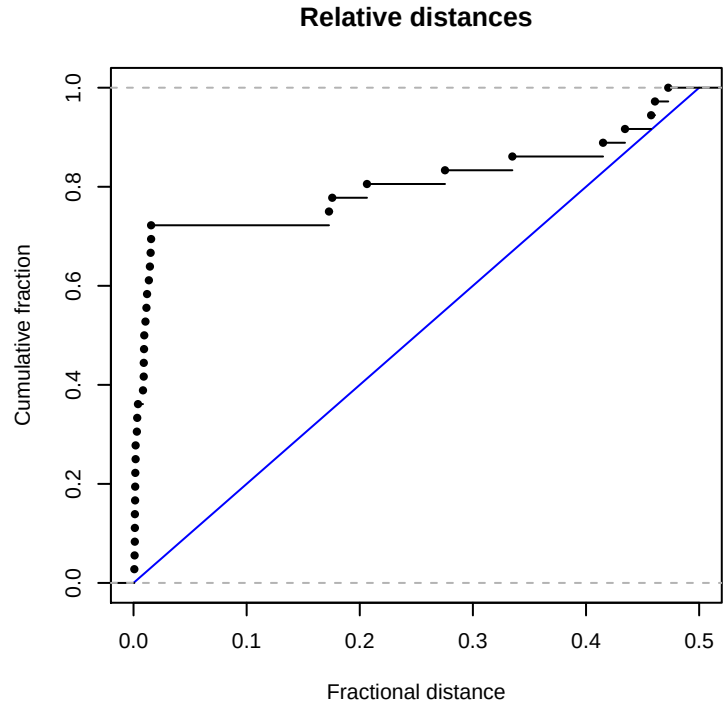




pcontig_130

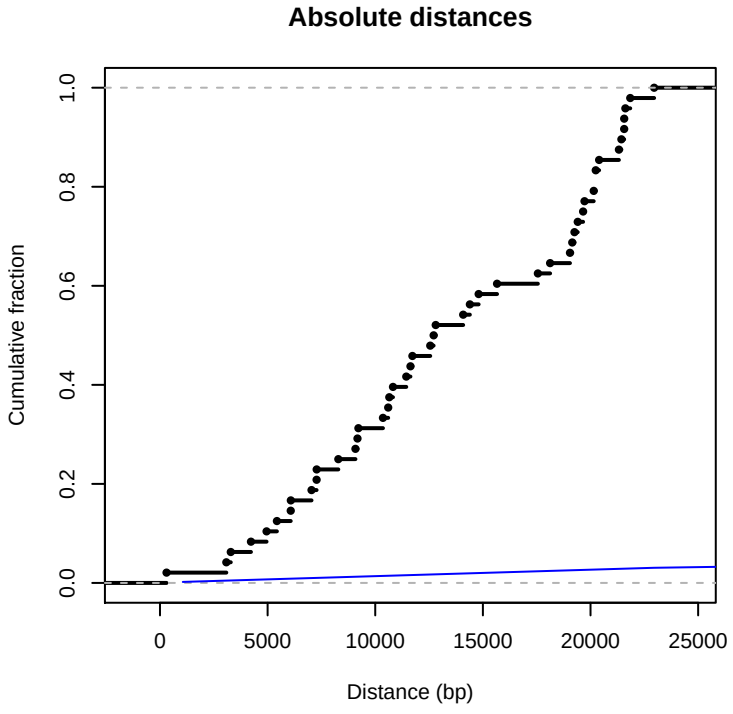
Query population : 36
Reference population : 5
Relative Ks p−value : 0
Relative ecdf deviation area : 0.150364
Relative ecdf area correlation : 0.601968
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.11406
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

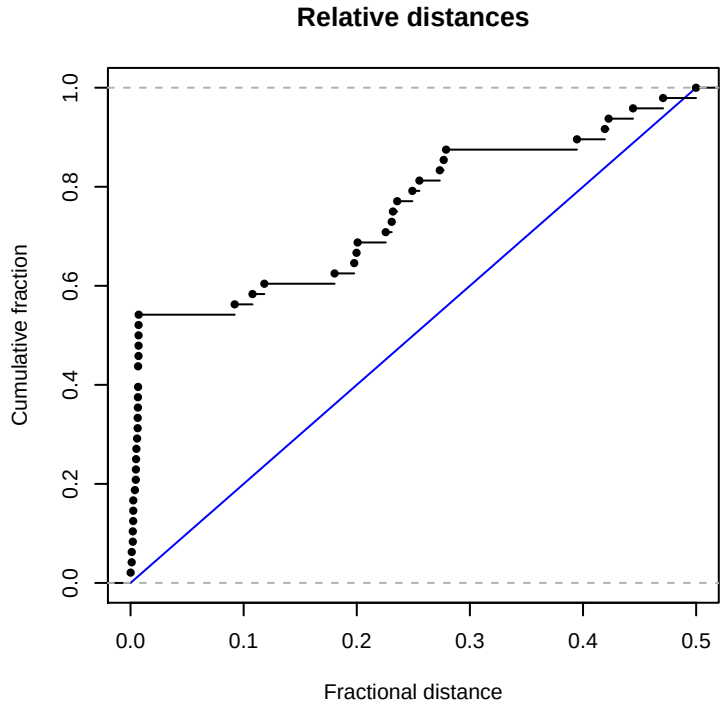




pcontig_138

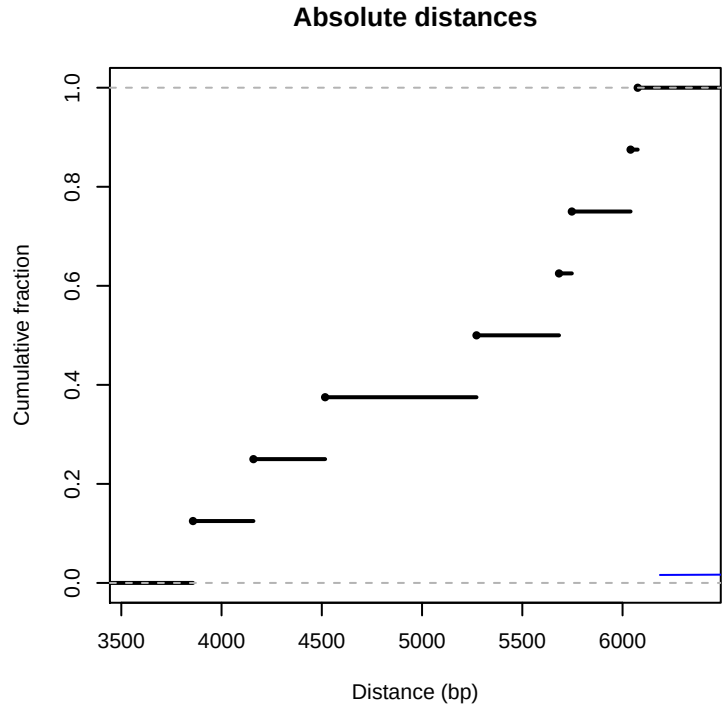
Query population : 48
Reference population : 3
Relative Ks p−value : 5.77316e−13
Relative ecdf deviation area : 0.122224
Relative ecdf area correlation : 0.489179
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0023778
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.0268

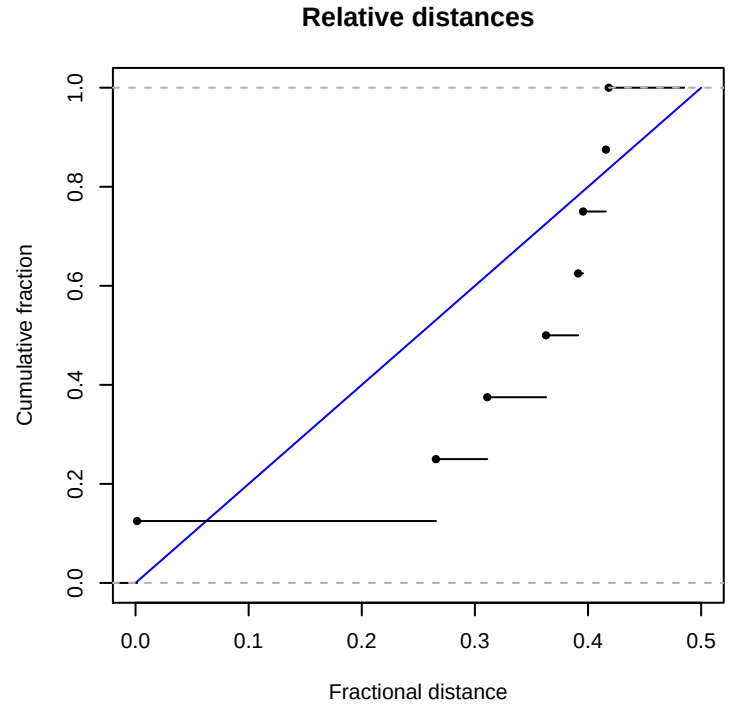




pcontig_146

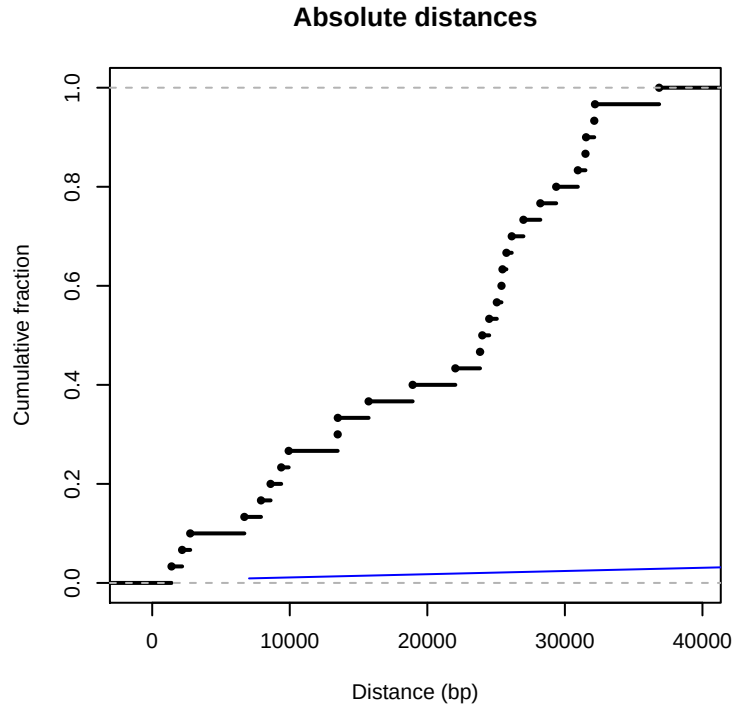
Query population : 8
Reference population : 4
Relative Ks p−value : 0.105229
Relative ecdf deviation area : 0.0914737
Relative ecdf area correlation : −0.280839
Relative ecdf deviation area p−value : 0.07
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0199763
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

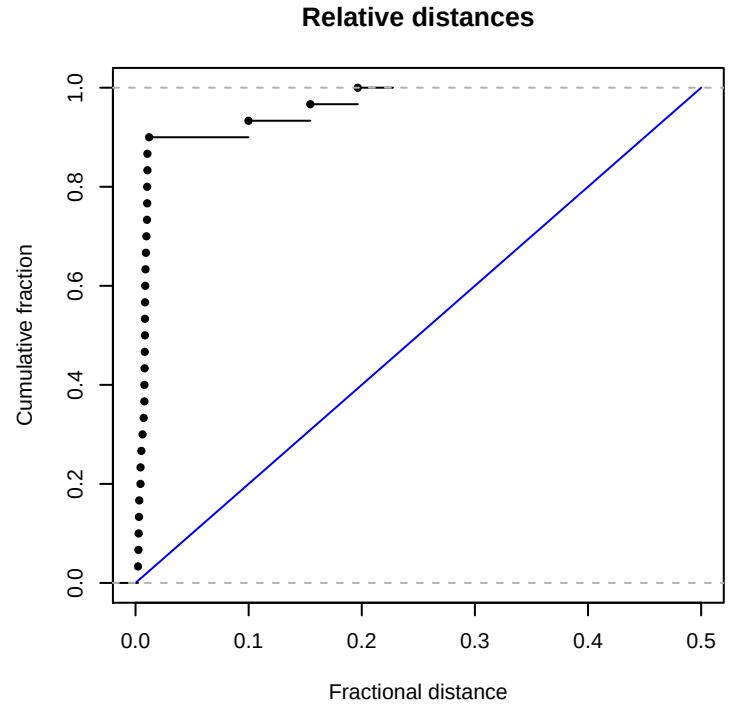




pcontig_147

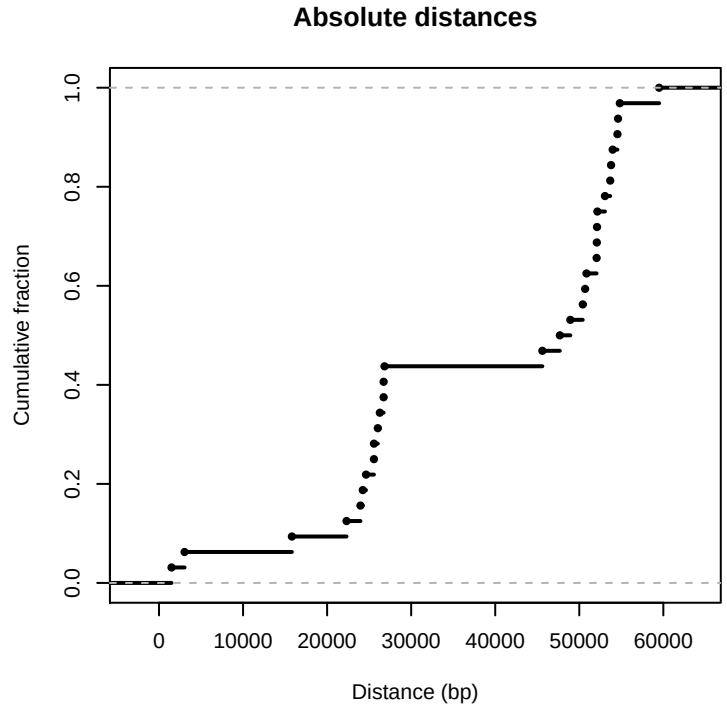
Query population : 30
Reference population : 2
Relative Ks p−value : 1.22125e−15
Relative ecdf deviation area : 0.228596
Relative ecdf area correlation : 0.913473
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.01375e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 33.6311

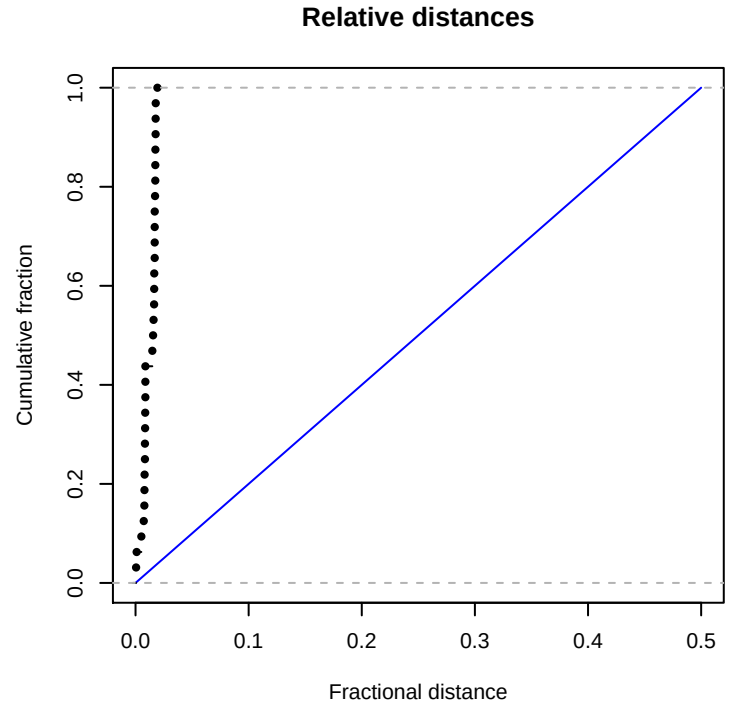




pcontig_148

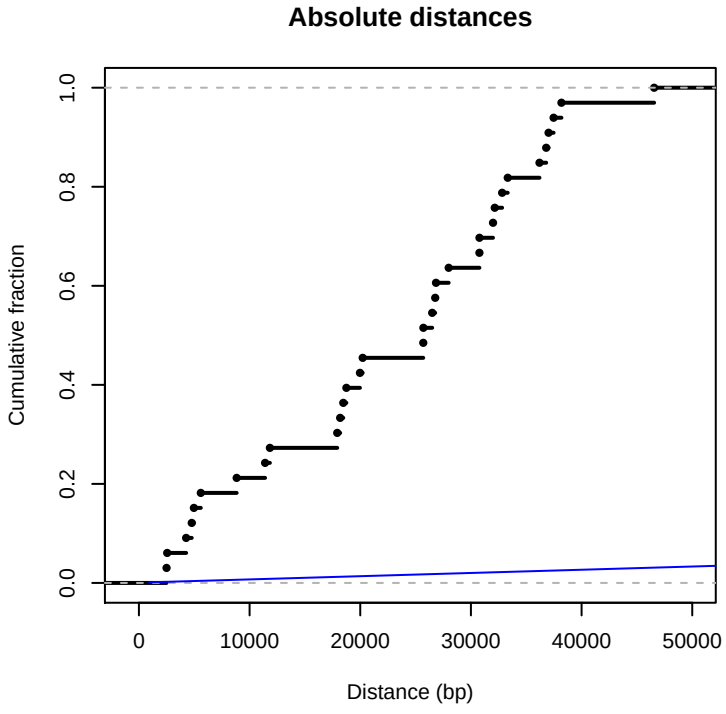
Query population : 32
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.237426
Relative ecdf area correlation : 0.949568
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.07
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0155645
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

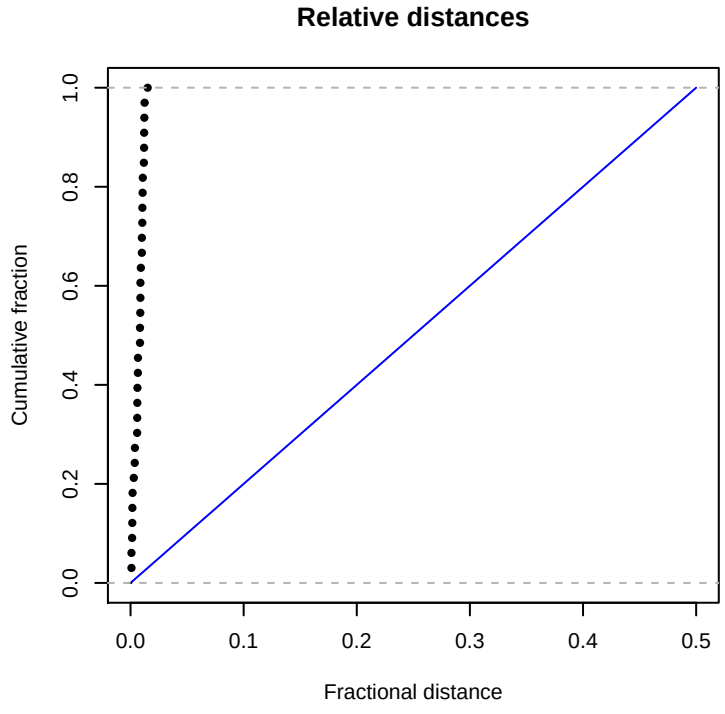




pcontig_157

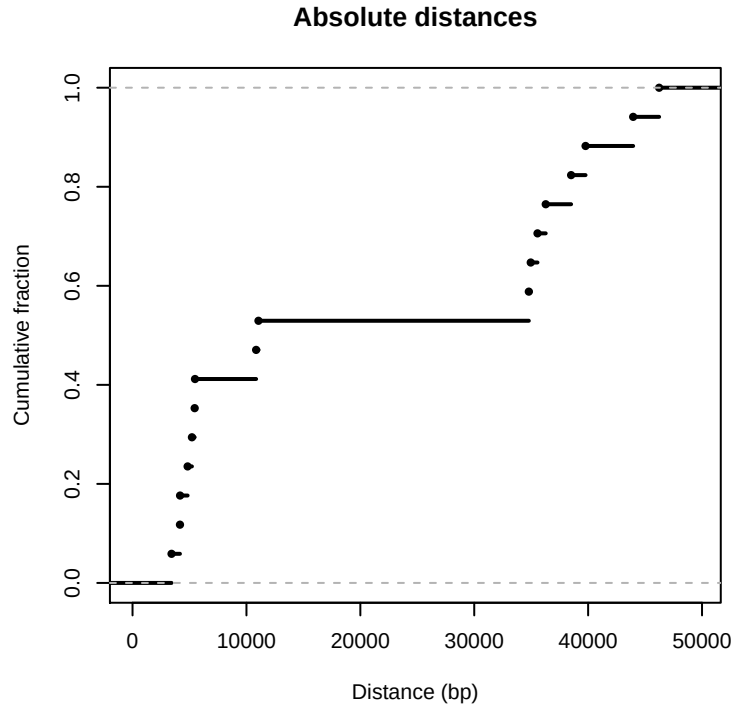
Query population : 33
Reference population : 2
Relative Ks p−value : 6.66134e−16
Relative ecdf deviation area : 0.2428
Relative ecdf area correlation : 0.970247
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0271707
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

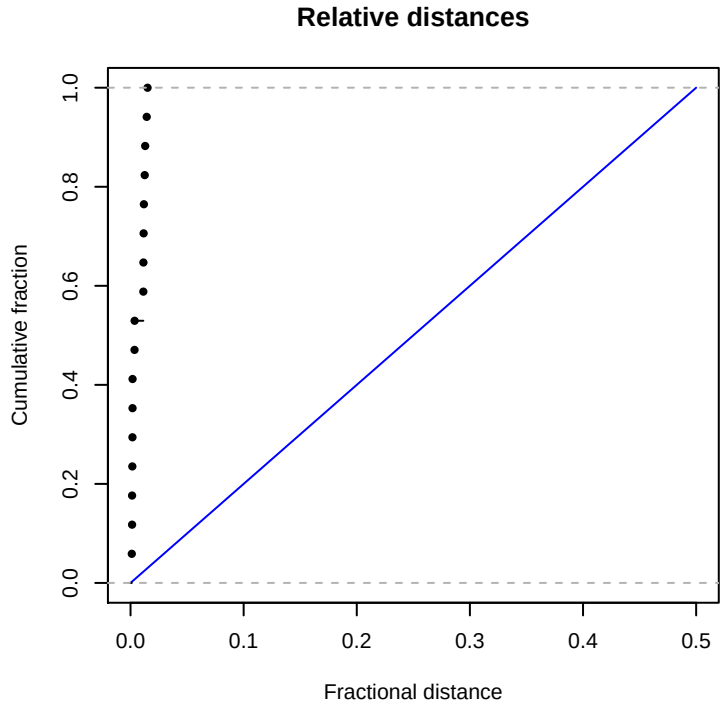




pcontig_166

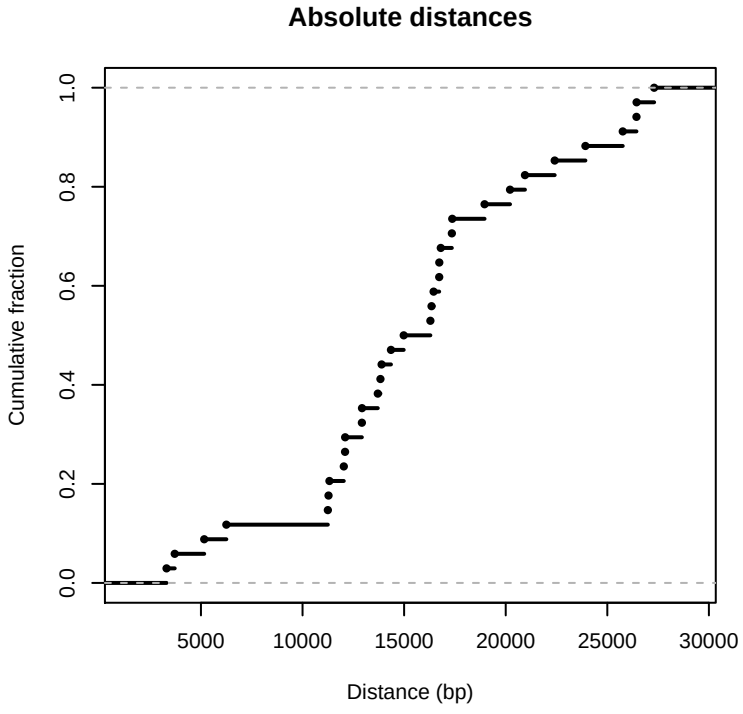
Query population : 17
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.243078
Relative ecdf area correlation : 0.972073
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00759619
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

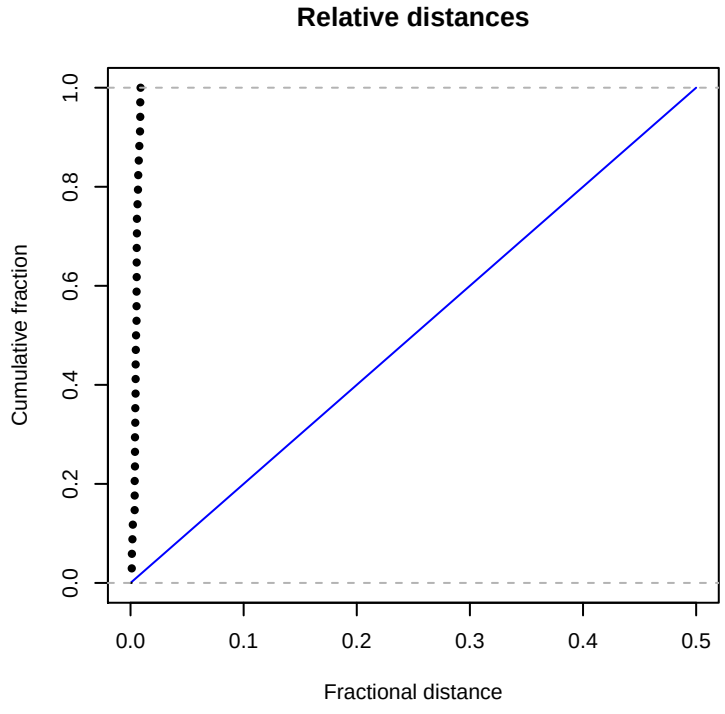




pcontig_174

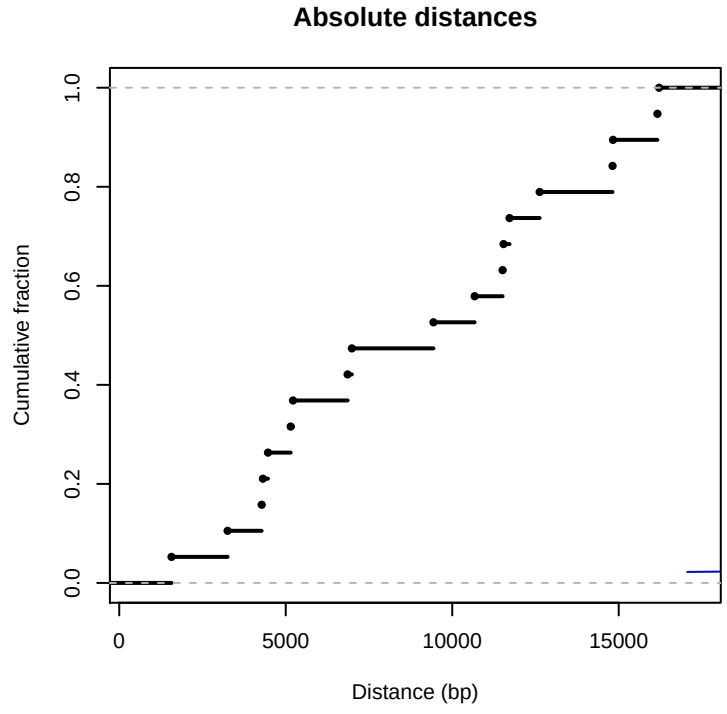
Query population : 34
Reference population : 1
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.24508
Relative ecdf area correlation : 0.979648
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0181827
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

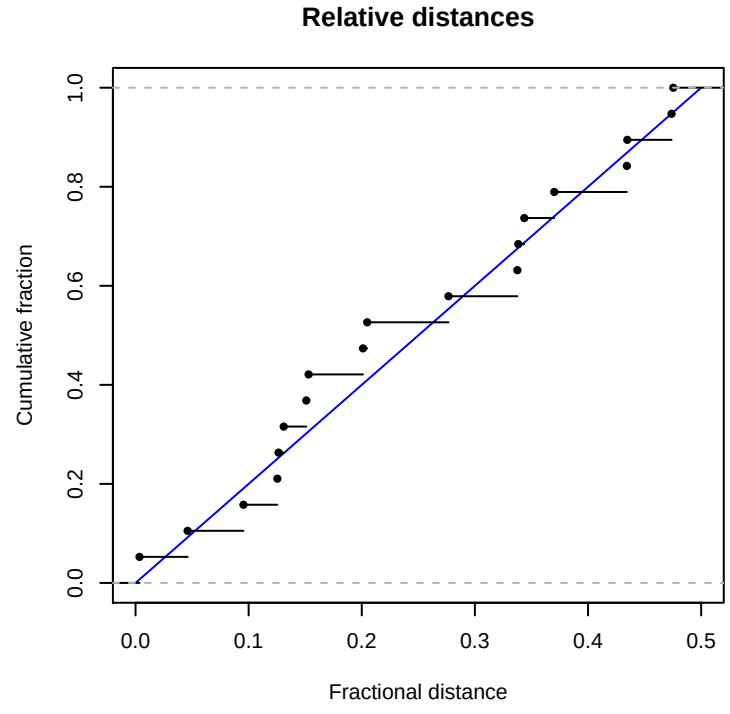




pcontig_179

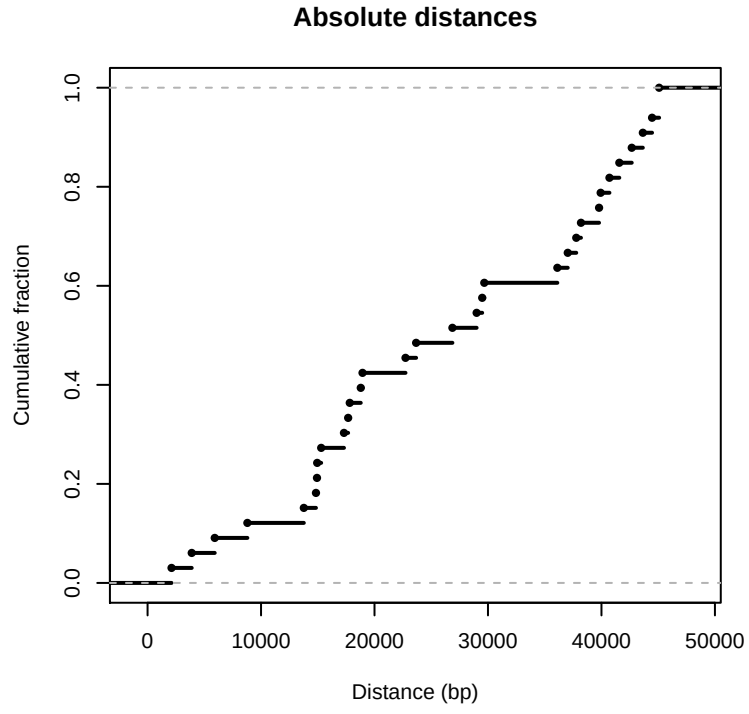
Query population : 19
Reference population : 2
Relative Ks p−value : 0.931769
Relative ecdf deviation area : 0.0196673
Relative ecdf area correlation : 0.00583991
Relative ecdf deviation area p−value : 0.85
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.011536
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

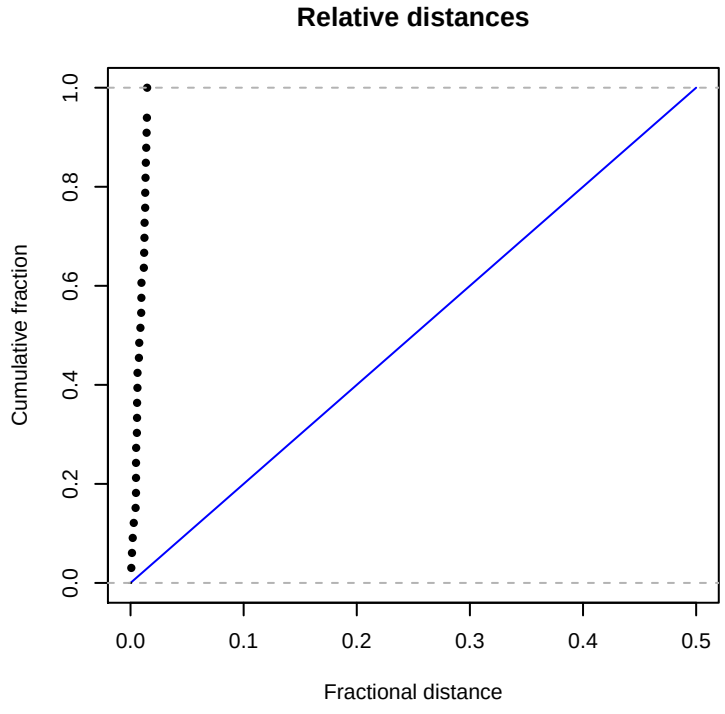




pcontig_181

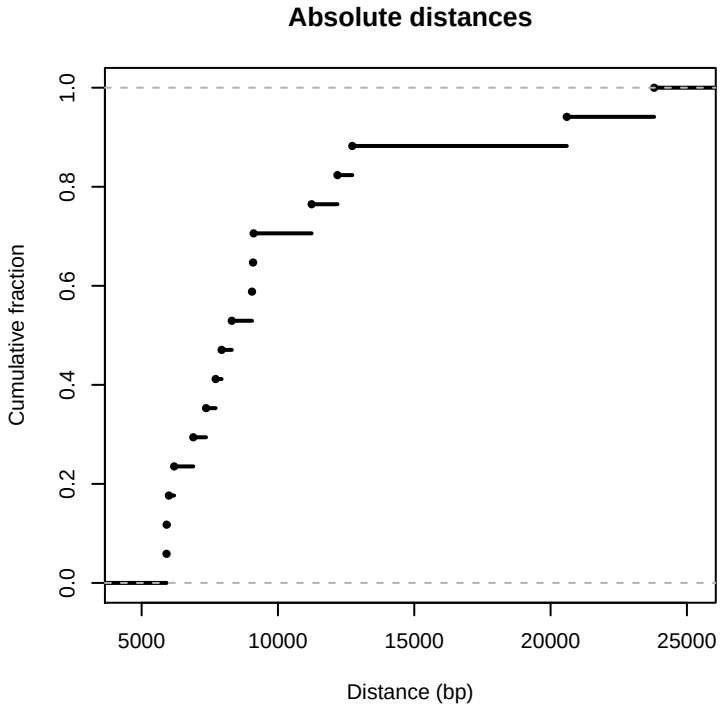
Query population : 33
Reference population : 1
Relative Ks p−value : 6.66134e−16
Relative ecdf deviation area : 0.241462
Relative ecdf area correlation : 0.965344
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00772457
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

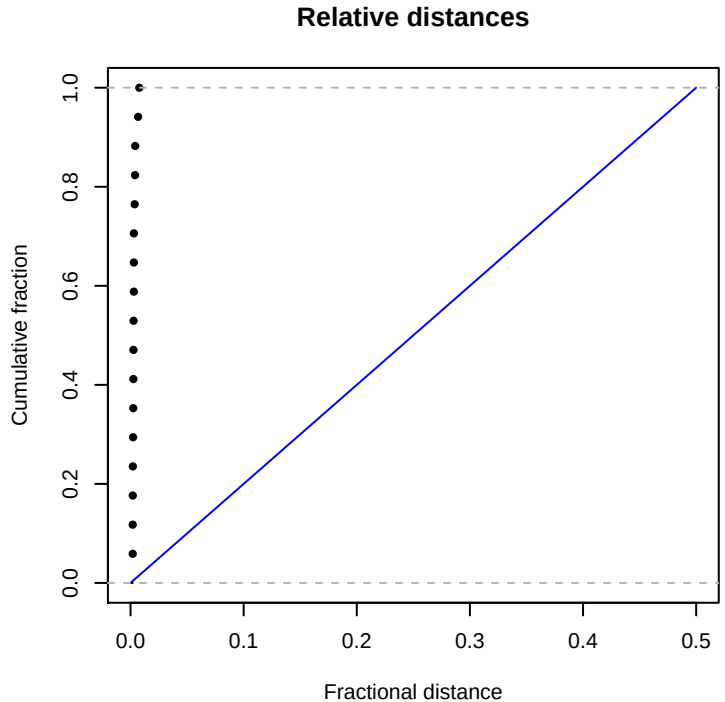




pcontig_186

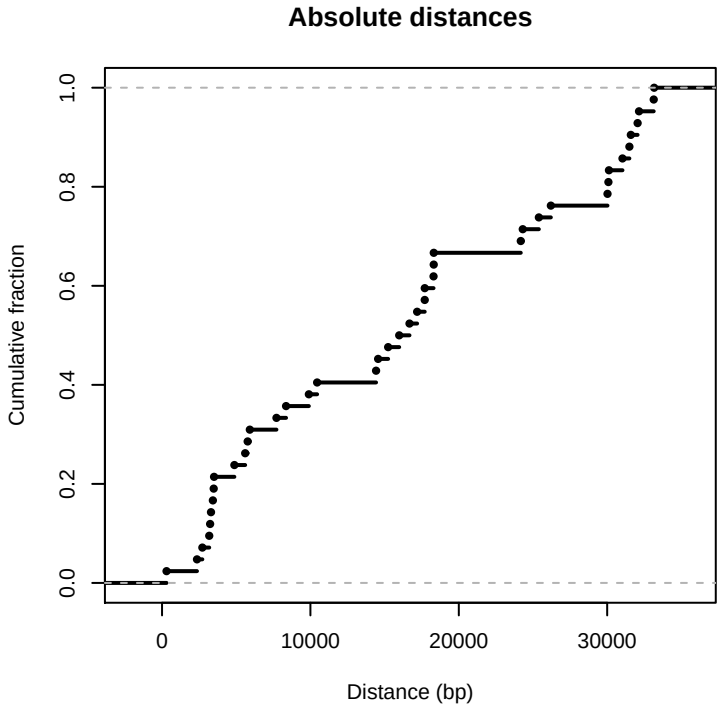
Query population : 17
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.246846
Relative ecdf area correlation : 0.986982
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0118062
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

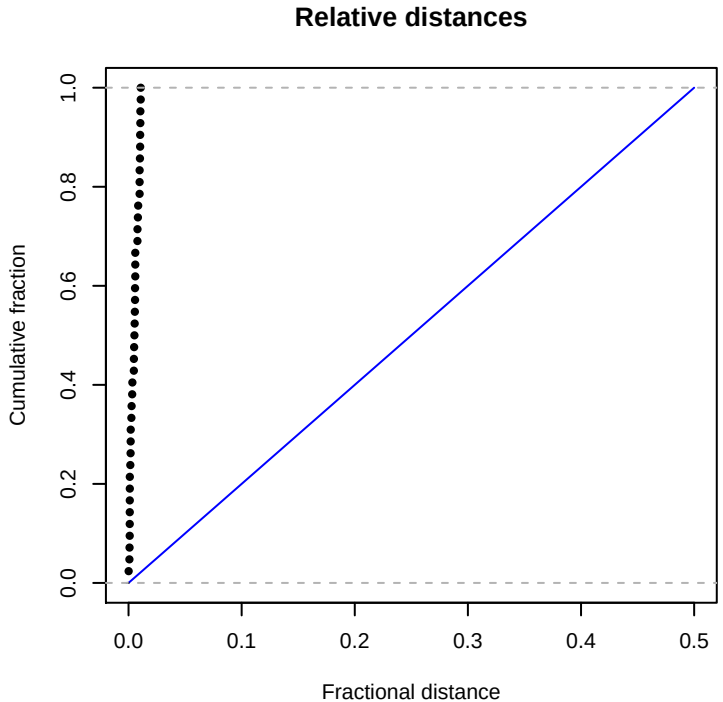




pcontig_187

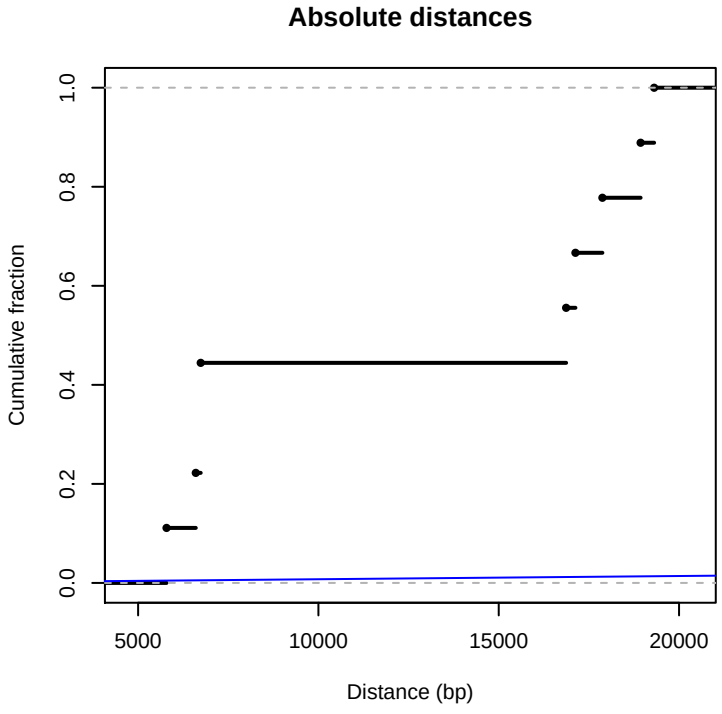
Query population : 42
Reference population : 1
Relative Ks p−value : 2.22045e−16
Relative ecdf deviation area : 0.244557
Relative ecdf area correlation : 0.978818
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000617414
Projection test lower tail : FALSE
Projection test observed to expected ratio : 27.7978

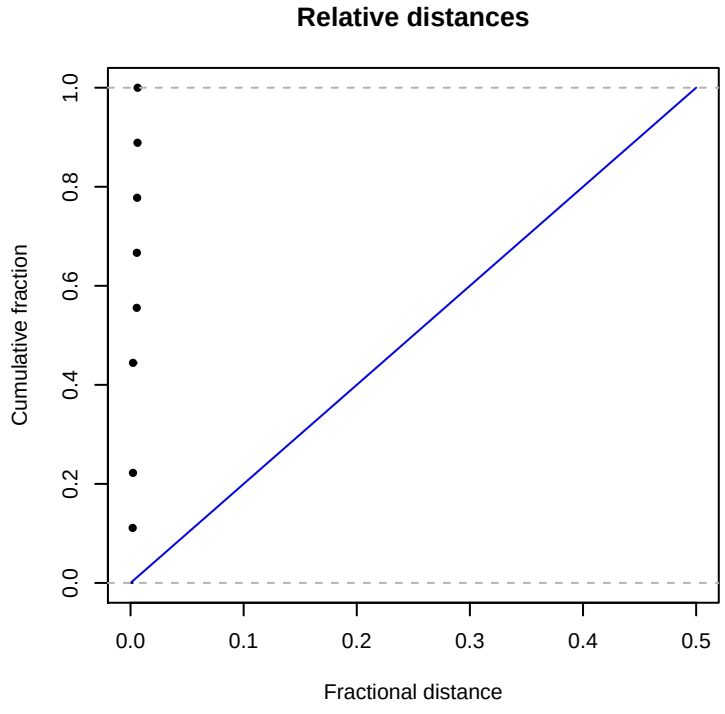




pcontig_188

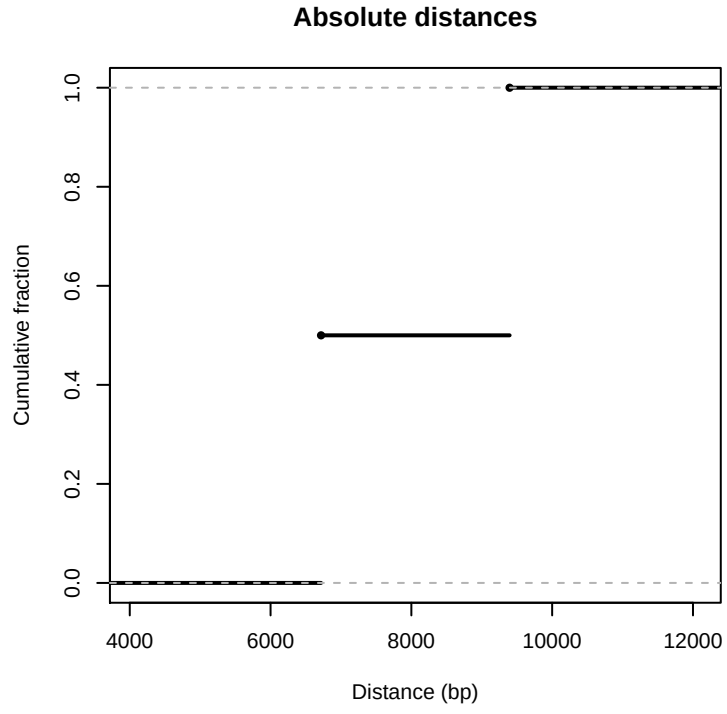
Query population : 9
Reference population : 2
Relative Ks p−value : 4.44089e−16
Relative ecdf deviation area : 0.245987
Relative ecdf area correlation : 0.98321
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0159794
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

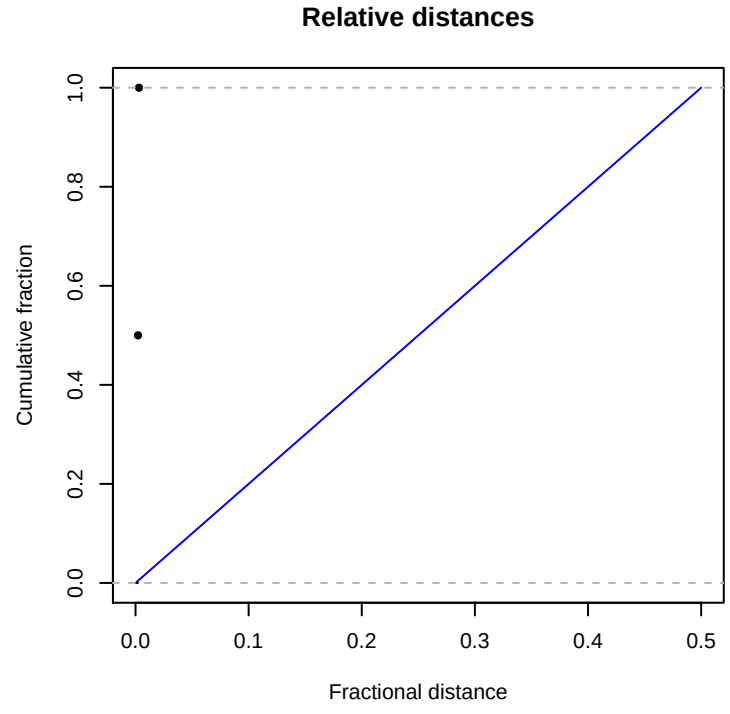




pcontig_189

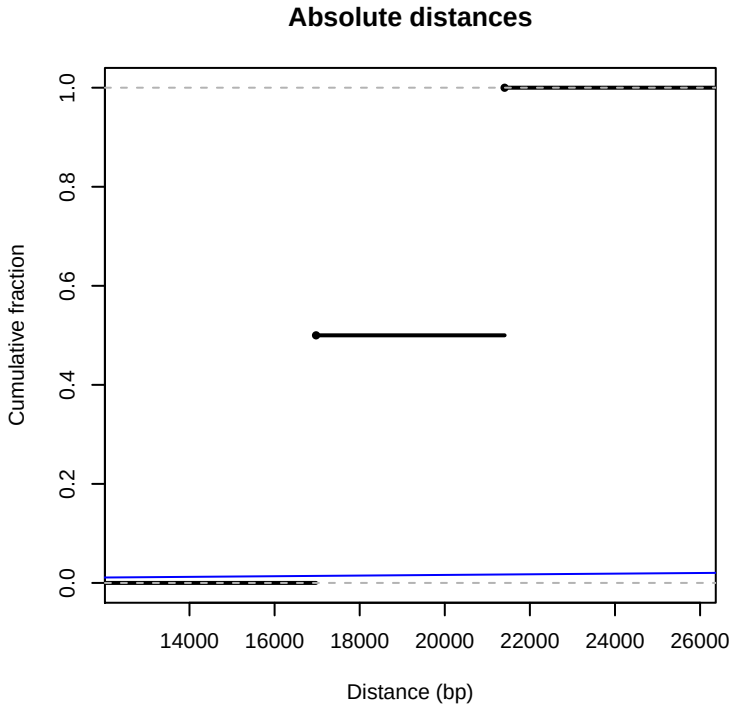
Query population : 2
Reference population : 1
Relative Ks p−value : 7.47894e−05
Relative ecdf deviation area : 0.246924
Relative ecdf area correlation : 0.989513
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00399421
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

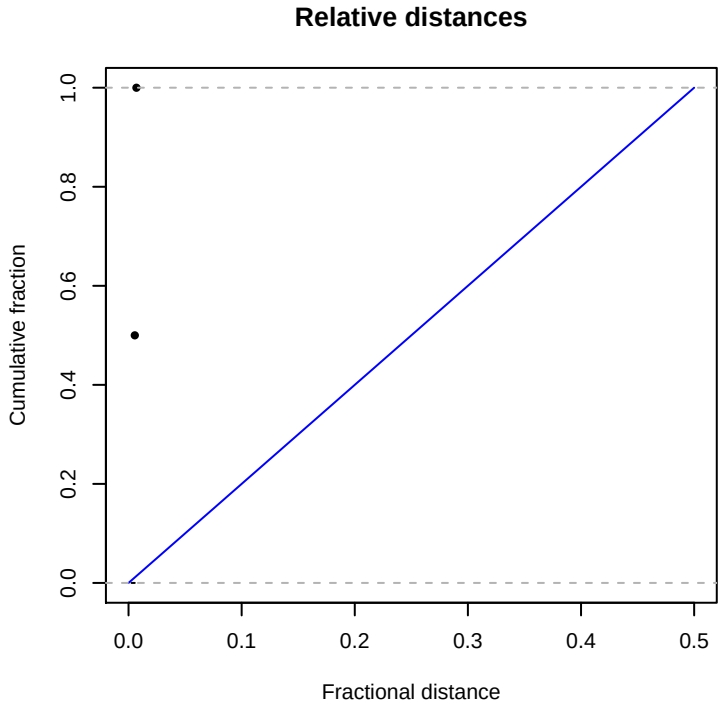




pcontig_203

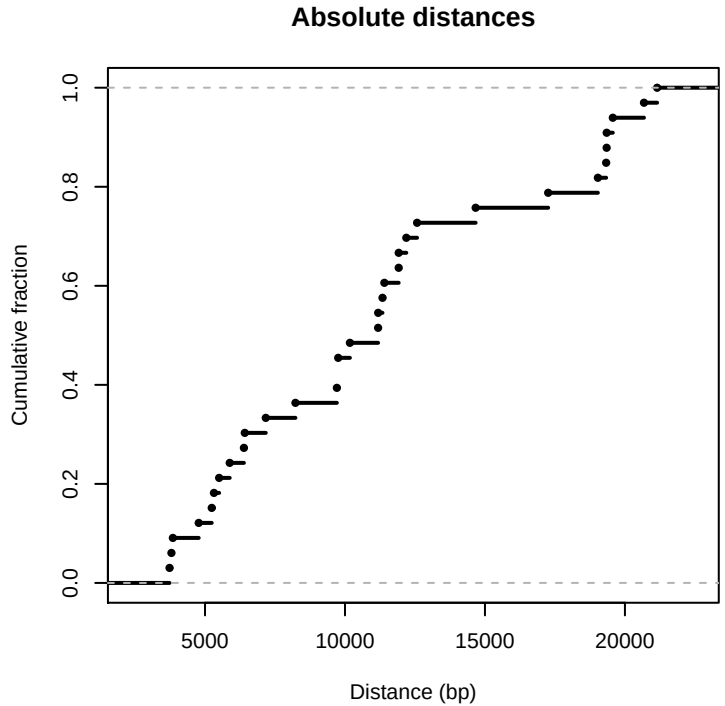
Query population : 2
Reference population : 2
Relative Ks p−value : 0.000390672
Relative ecdf deviation area : 0.24322
Relative ecdf area correlation : 0.974941
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00195097
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

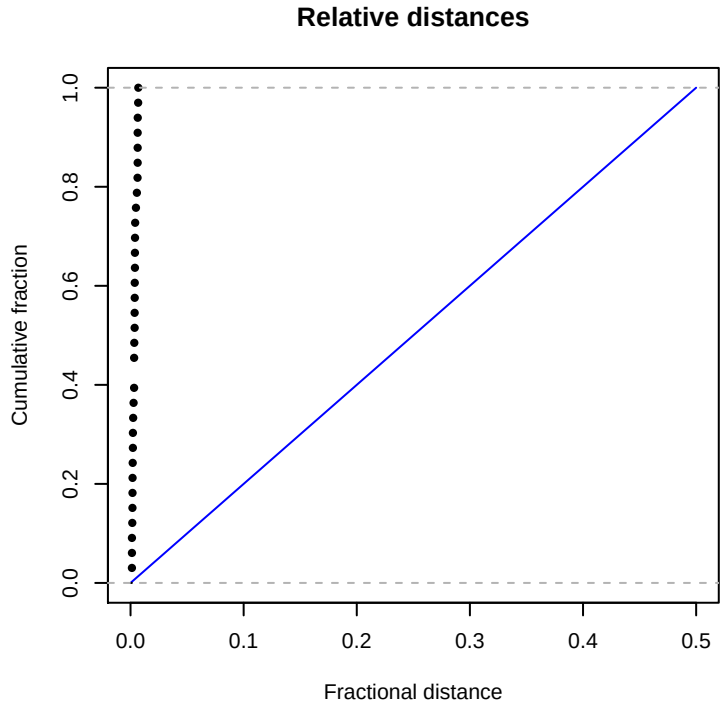




pcontig_218

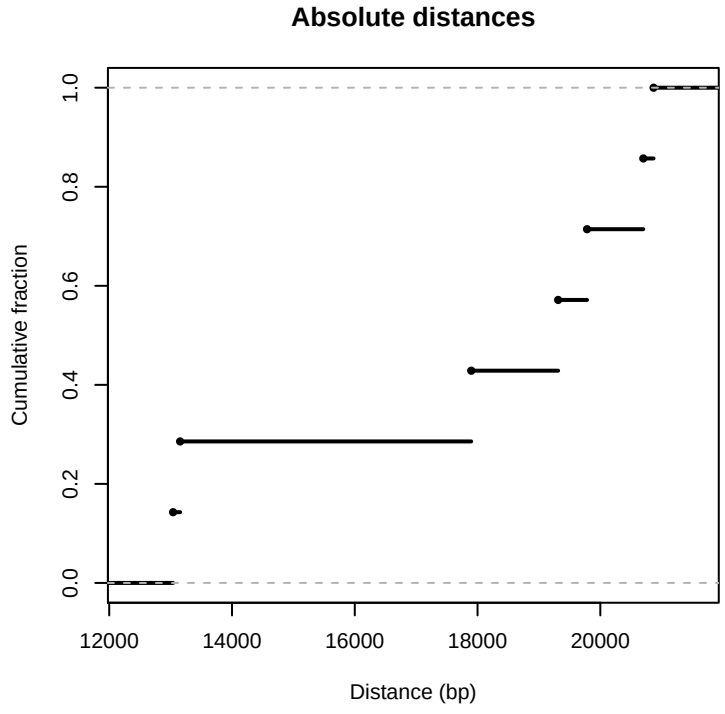
Query population : 33
Reference population : 1
Relative Ks p−value : 6.66134e−16
Relative ecdf deviation area : 0.246548
Relative ecdf area correlation : 0.985412
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0224439
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

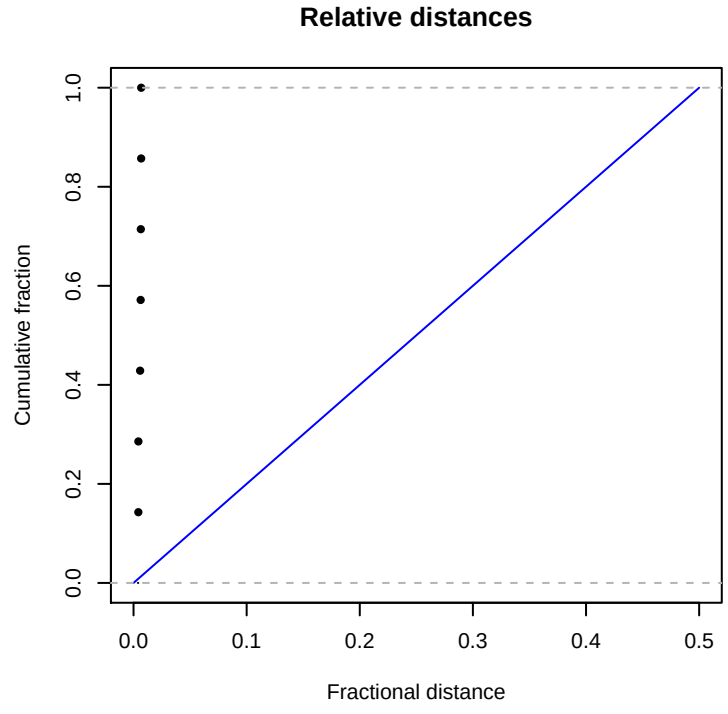


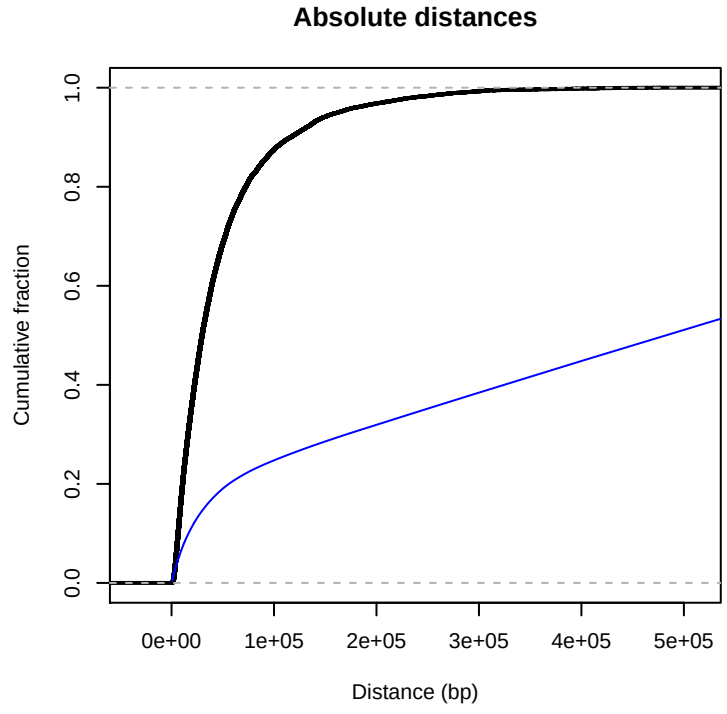
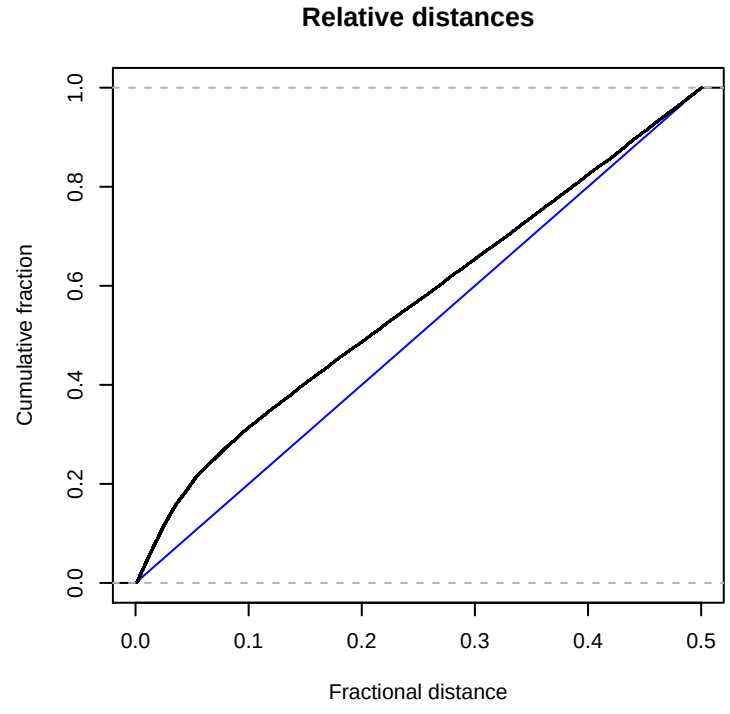


pcontig_233

Query population : 7
Reference population : 1
Relative Ks p−value : 1.70752e−13
Relative ecdf deviation area : 0.244619
Relative ecdf area correlation : 0.9768
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00900189
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0





All Chromosomes

Query population : 47897
Reference population : 1444
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0311201
Relative ecdf area correlation : 0.124471
Relative ecdf deviation area p−value : <0.01
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 : 2.32613e−41
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.456497