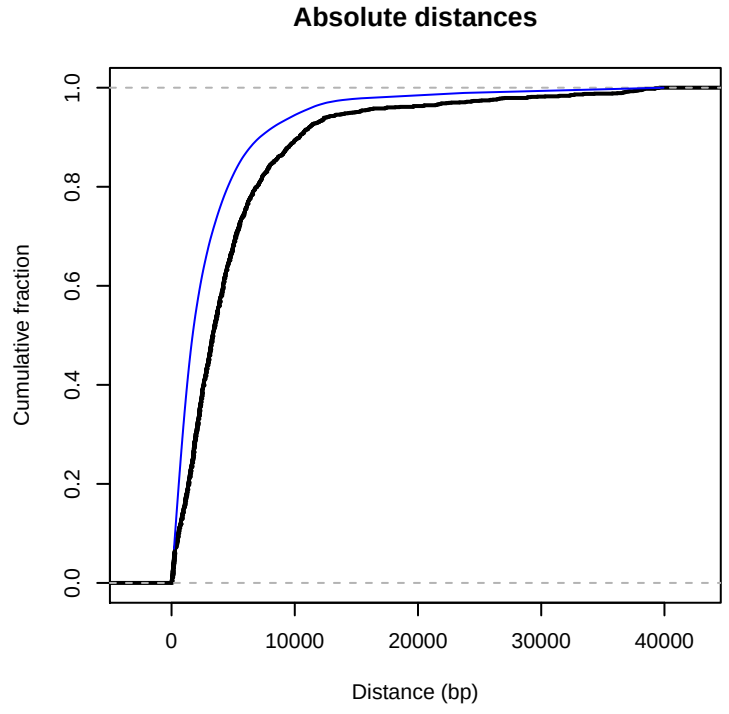
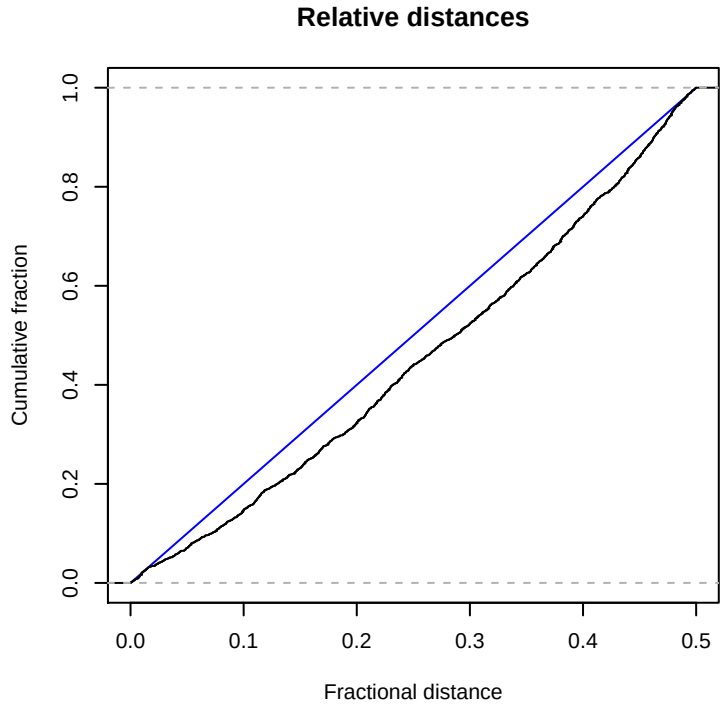
pcontig_000

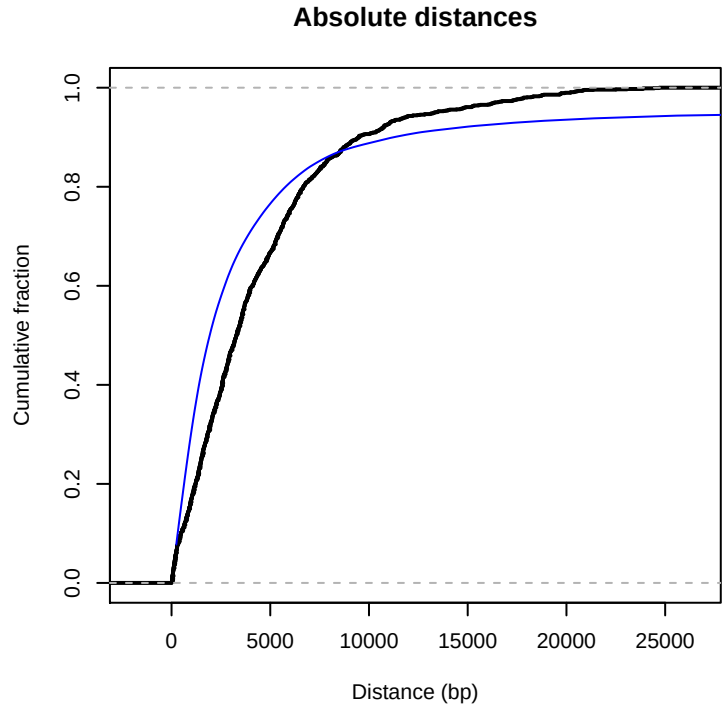
Query population : 1836
Reference population : 530
Relative Ks p−value : 7.20597e−11
Relative ecdf deviation area : 0.0266049
Relative ecdf area correlation : −0.106558
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.05623e−67
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.365388

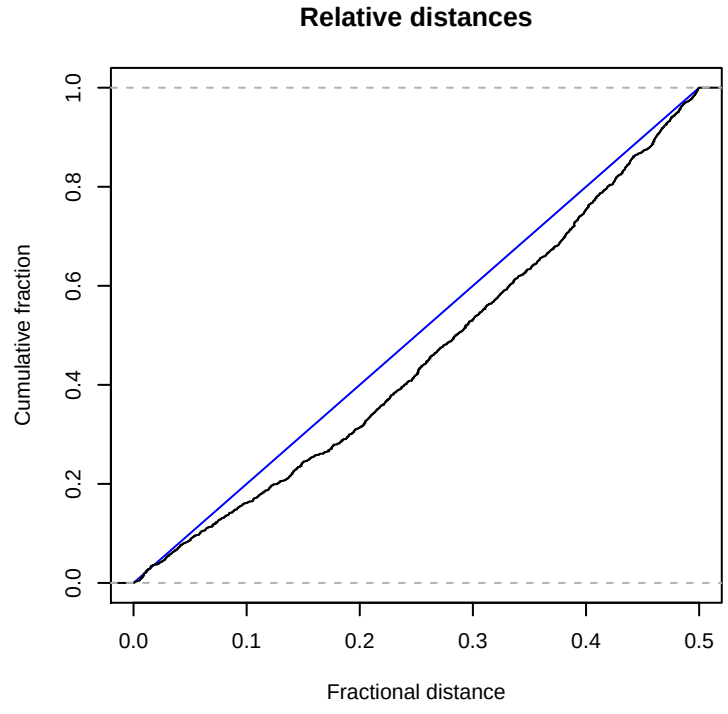




pcontig_001

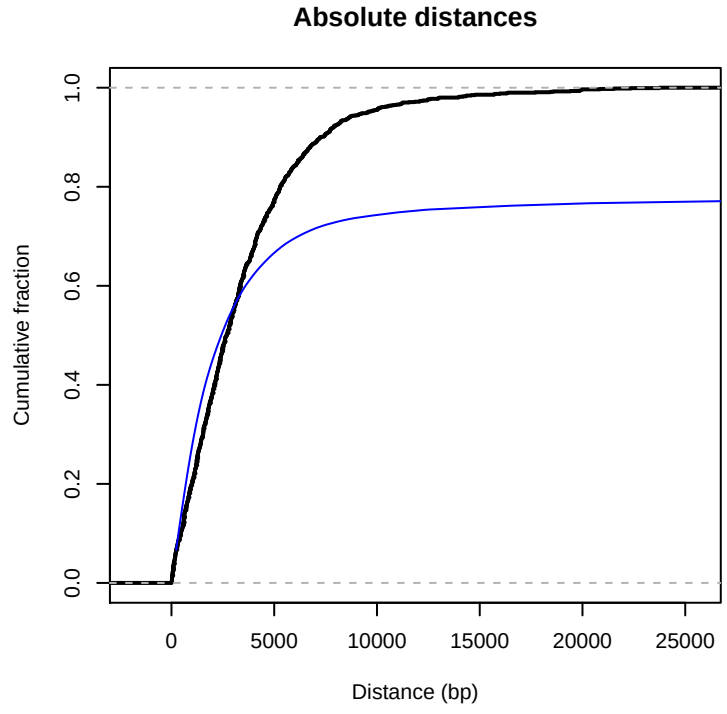
Query population : 1560
Reference population : 495
Relative Ks p−value : 5.10554e−11
Relative ecdf deviation area : 0.0242525
Relative ecdf area correlation : −0.0970886
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 6.85945e−39
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.444082

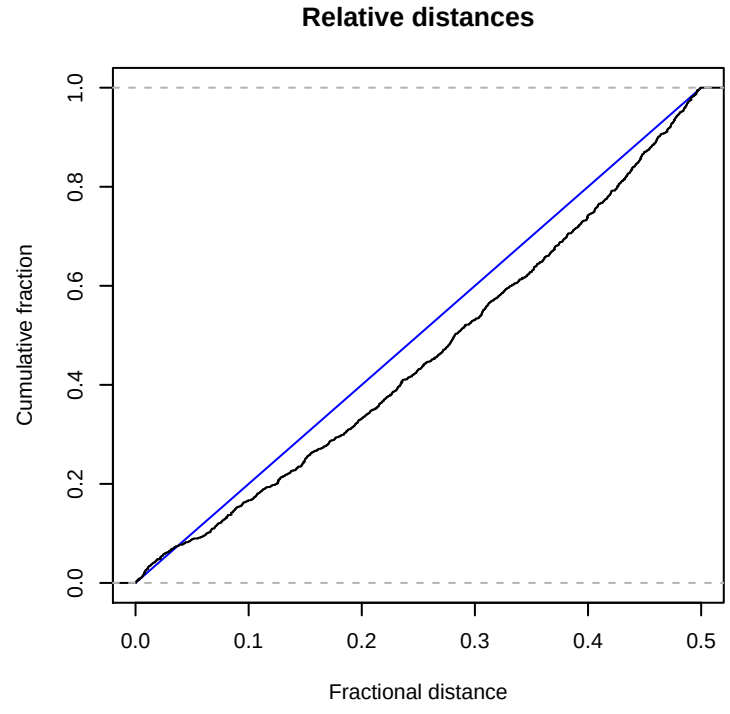




pcontig_002

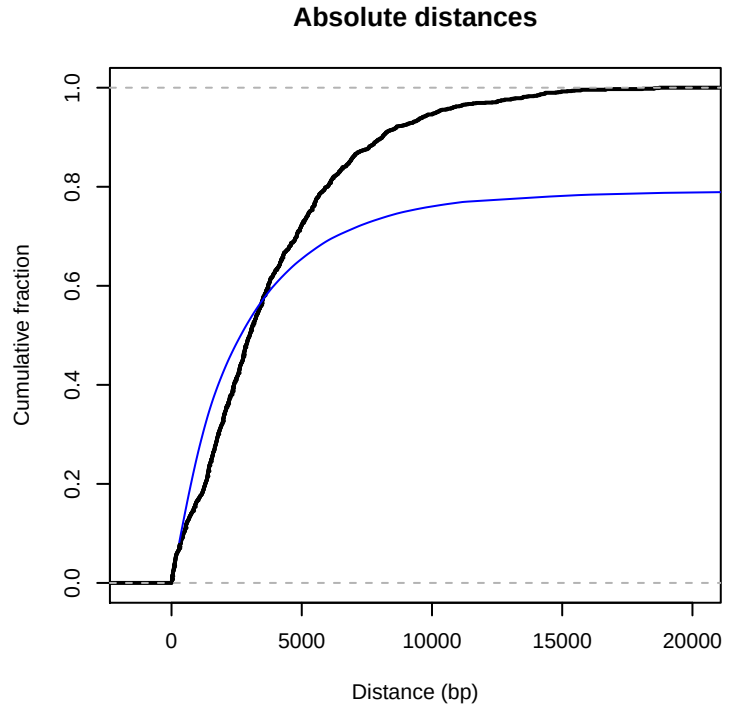
Query population : 1204
Reference population : 453
Relative Ks p−value : 1.28267e−06
Relative ecdf deviation area : 0.023967
Relative ecdf area correlation : −0.0934331
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.4102e−25
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.482886

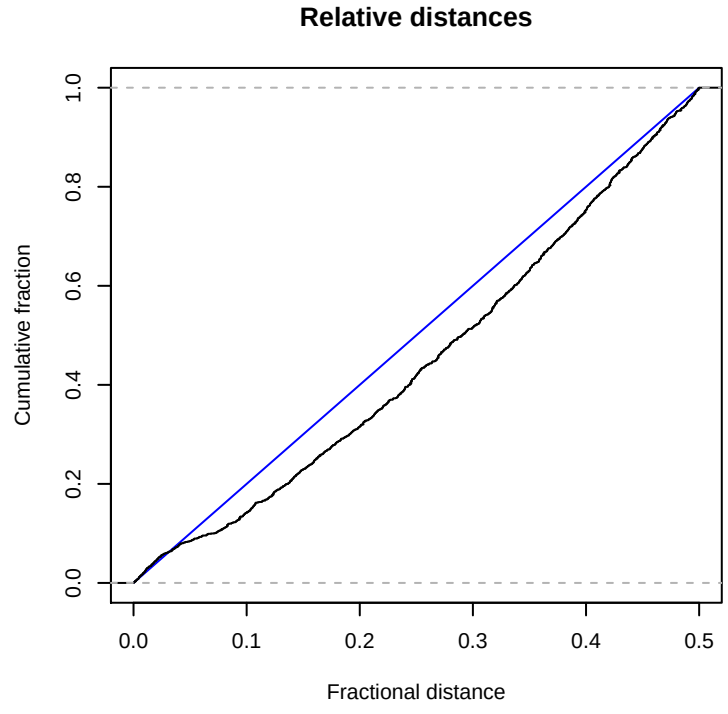




pcontig_003

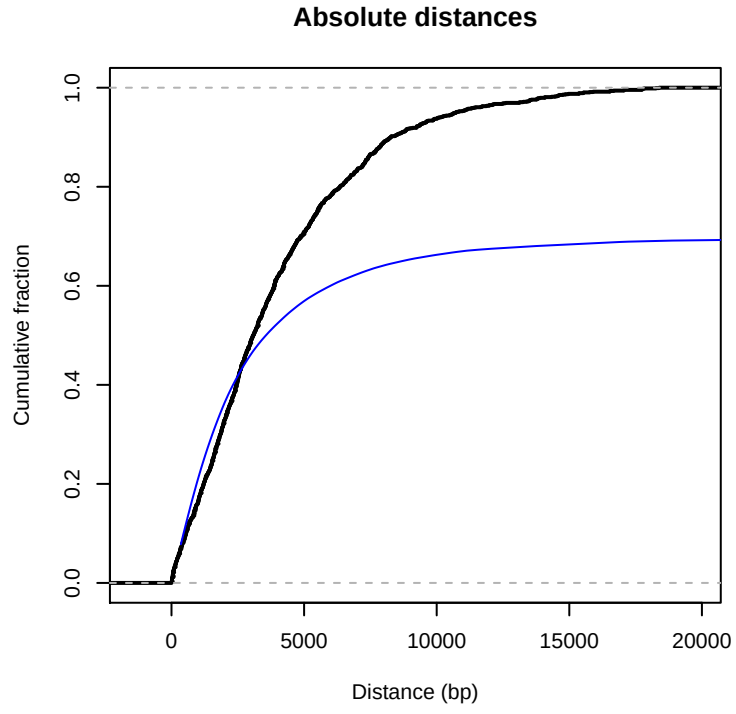
Query population : 1462
Reference population : 423
Relative Ks p−value : 3.99165e−11
Relative ecdf deviation area : 0.0267653
Relative ecdf area correlation : −0.106191
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.90809e−22
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.507185

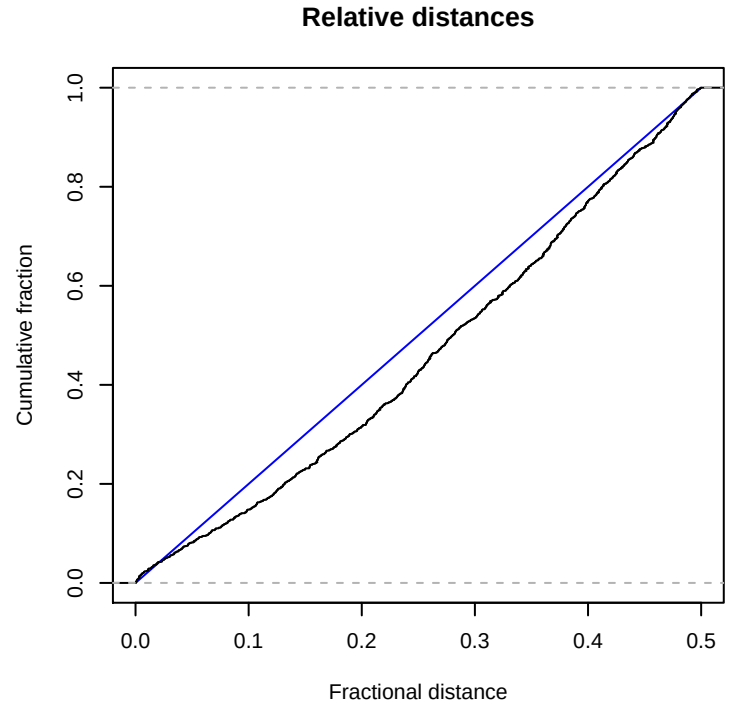




pcontig_004

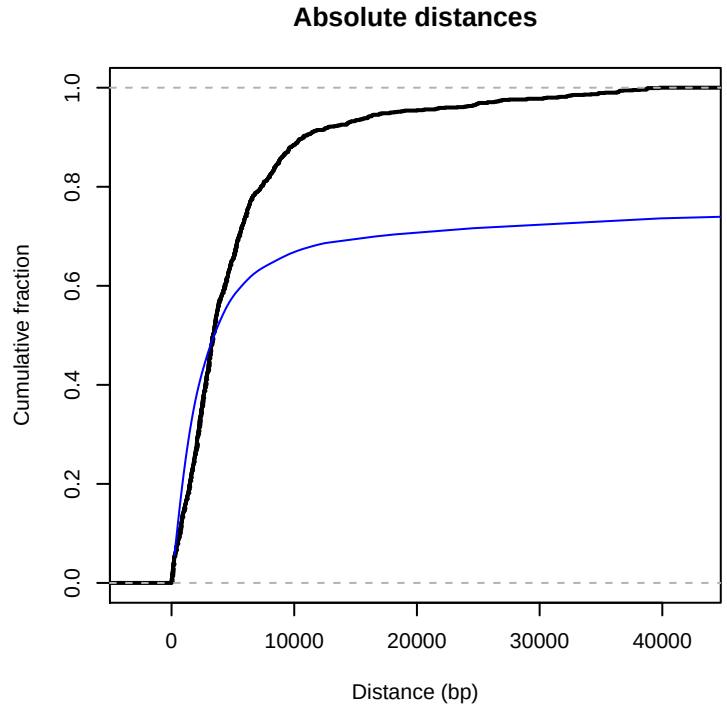
Query population : 1370
Reference population : 339
Relative Ks p−value : 1.06086e−09
Relative ecdf deviation area : 0.0234664
Relative ecdf area correlation : −0.0928997
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.0291e−15
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.568644

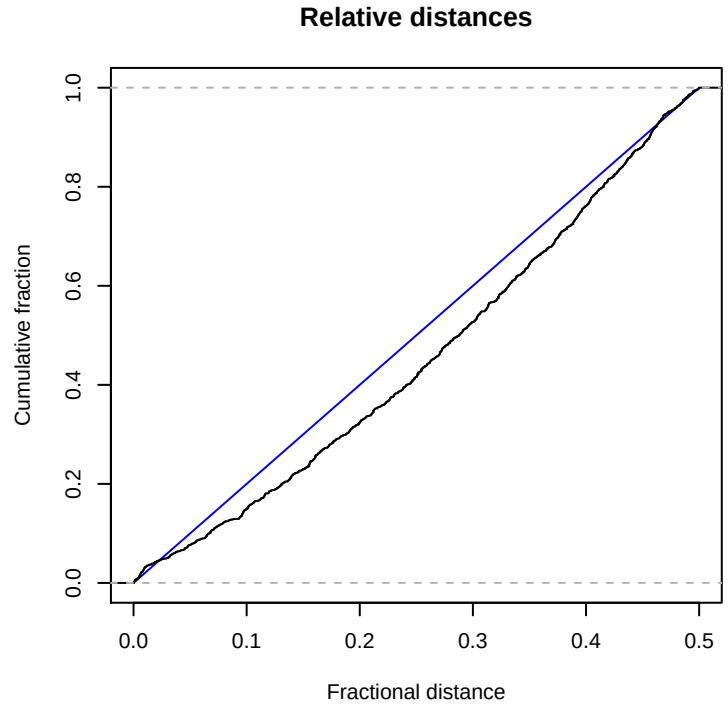




pcontig_005

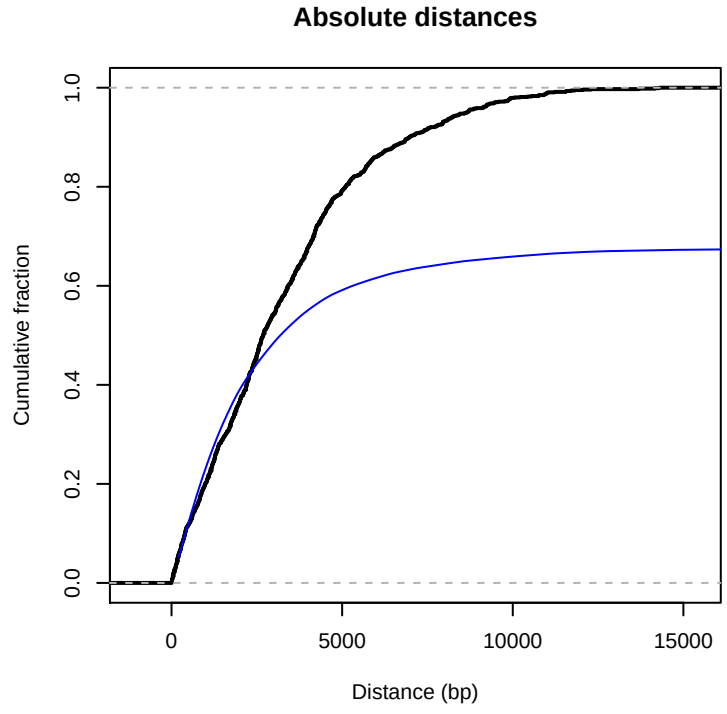
Query population : 1300
Reference population : 359
Relative Ks p−value : 5.23869e−09
Relative ecdf deviation area : 0.0240442
Relative ecdf area correlation : −0.0944936
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.05731e−23
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.472908

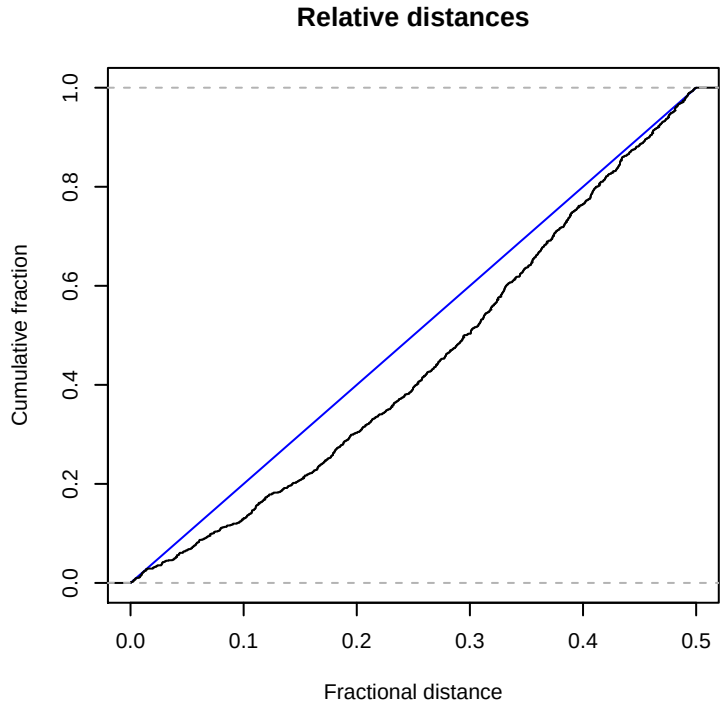




pcontig_006

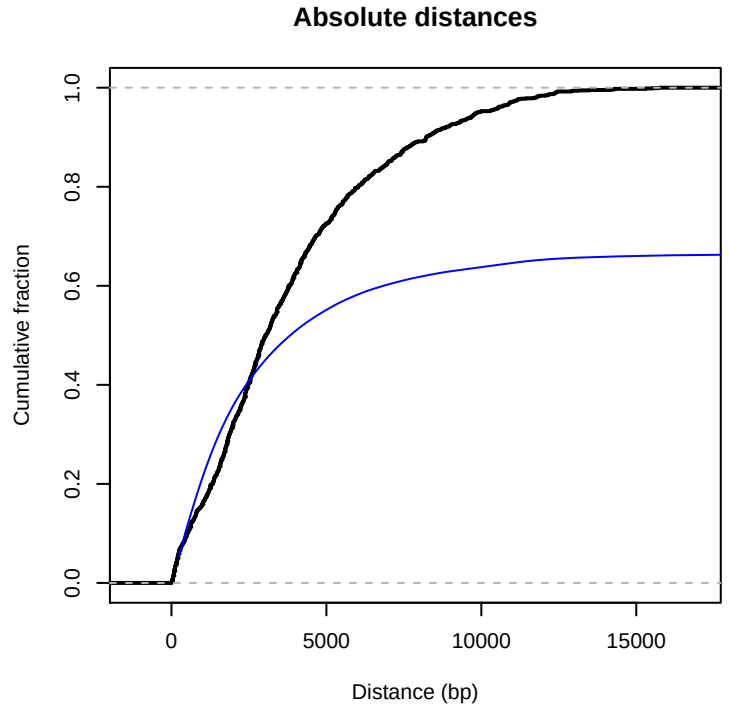
Query population : 1069
Reference population : 382
Relative Ks p−value : 9.69913e−12
Relative ecdf deviation area : 0.0295815
Relative ecdf area correlation : −0.118268
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.07748e−07
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.677933

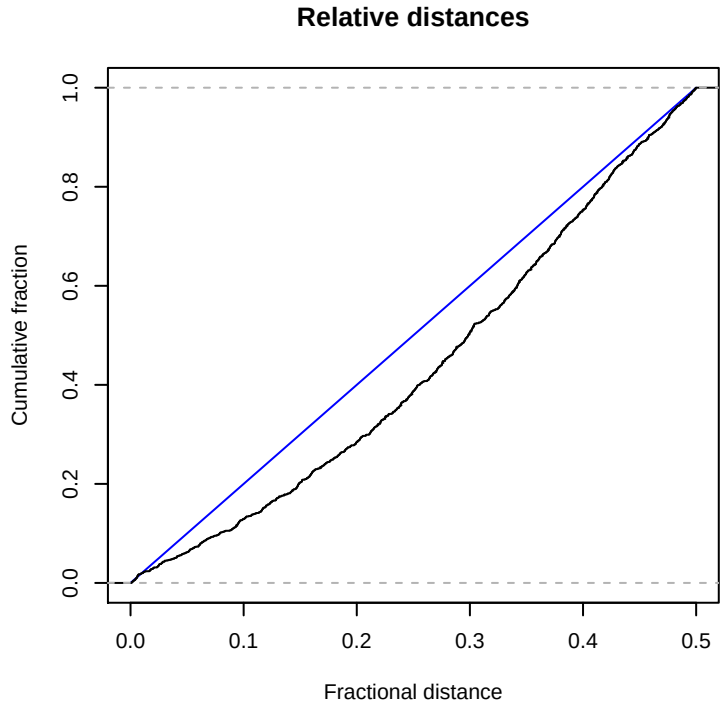




pcontig_007

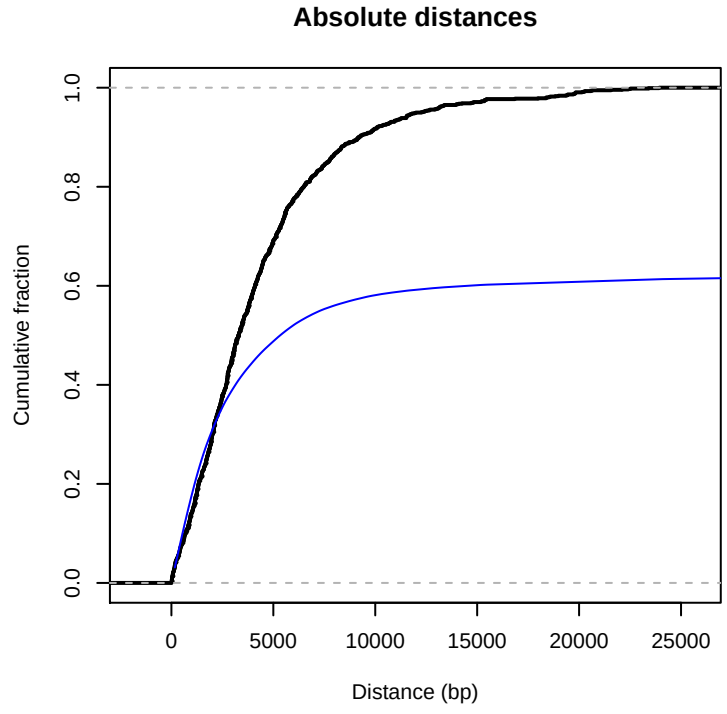
Query population : 1310
Reference population : 350
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0338414
Relative ecdf area correlation : −0.135358
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 5.63135e−16
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.533167

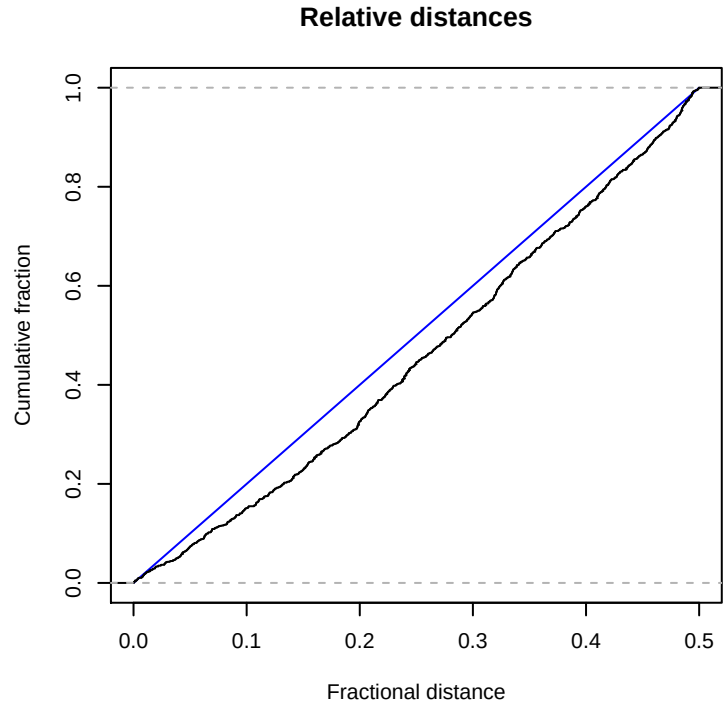




pcontig_008

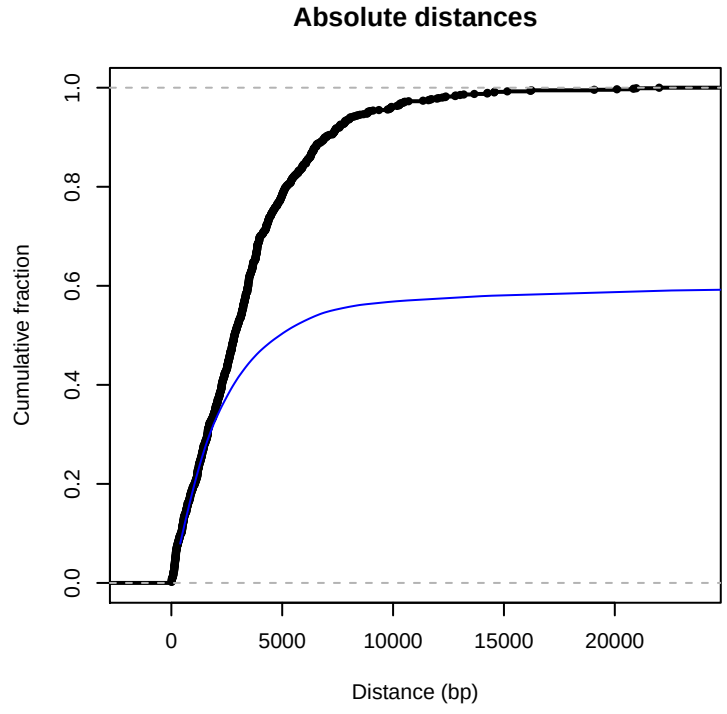
Query population : 1175
Reference population : 285
Relative Ks p−value : 1.4845e−07
Relative ecdf deviation area : 0.0227876
Relative ecdf area correlation : −0.0916152
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 6.75839e−16
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.49035

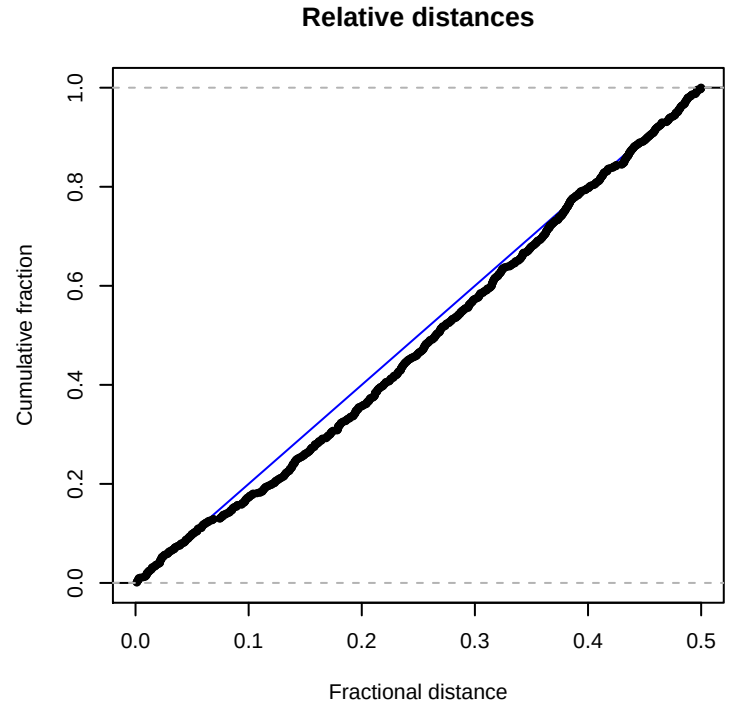




pcontig_009

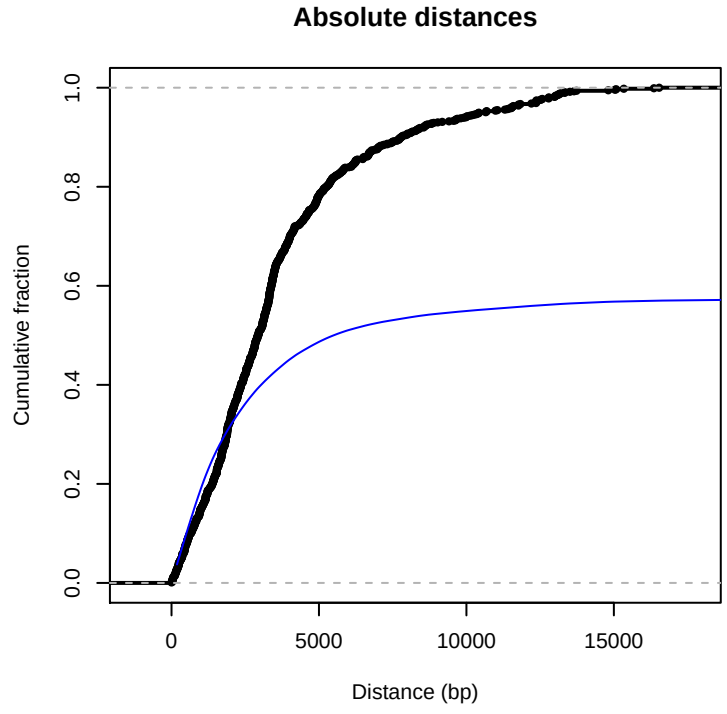
Query population : 954
Reference population : 306
Relative Ks p−value : 0.019866
Relative ecdf deviation area : 0.0107881
Relative ecdf area correlation : −0.0423731
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.47
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.420419
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.982846

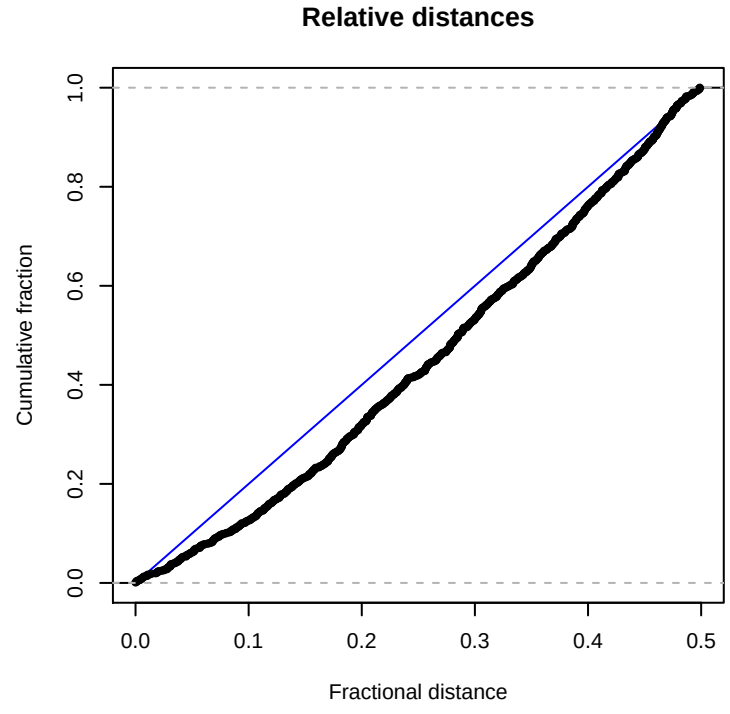




pcontig_010

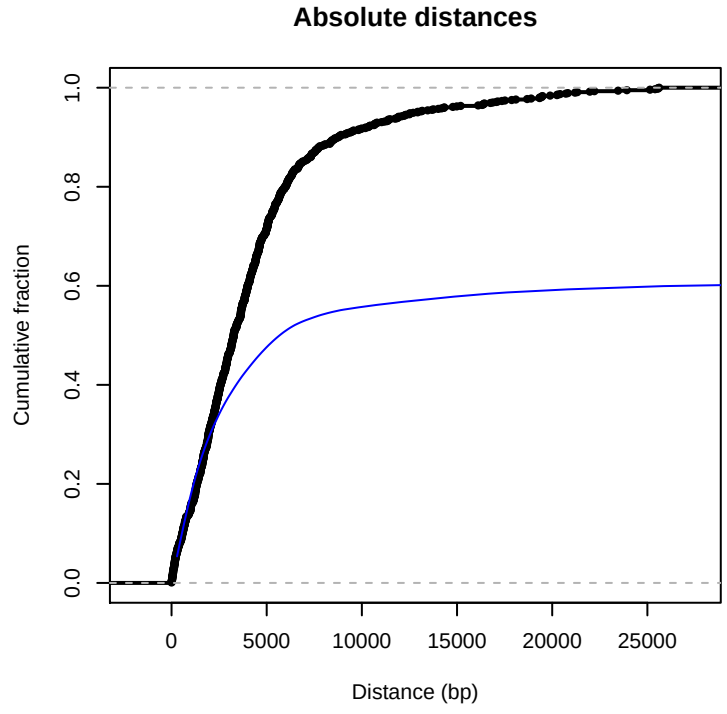
Query population : 972
Reference population : 309
Relative Ks p−value : 3.6398e−08
Relative ecdf deviation area : 0.027549
Relative ecdf area correlation : −0.108977
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.96192e−10
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.529615

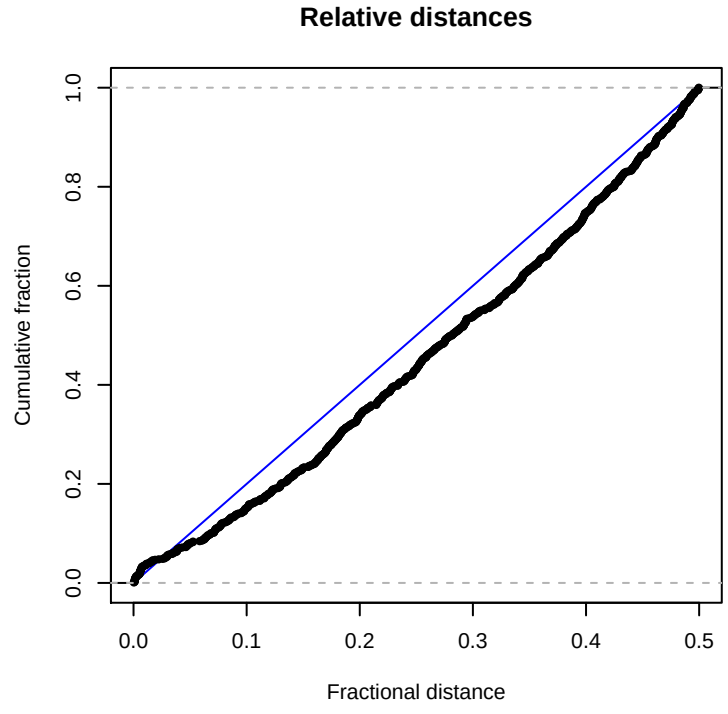




pcontig_011

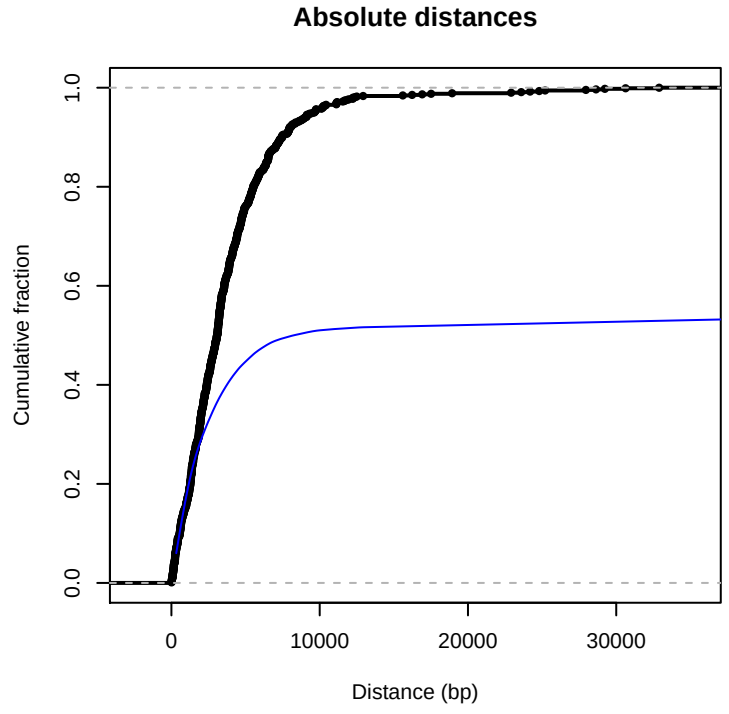
Query population : 1007
Reference population : 285
Relative Ks p−value : 4.36606e−06
Relative ecdf deviation area : 0.0259095
Relative ecdf area correlation : −0.100664
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.24215e−05
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.696947

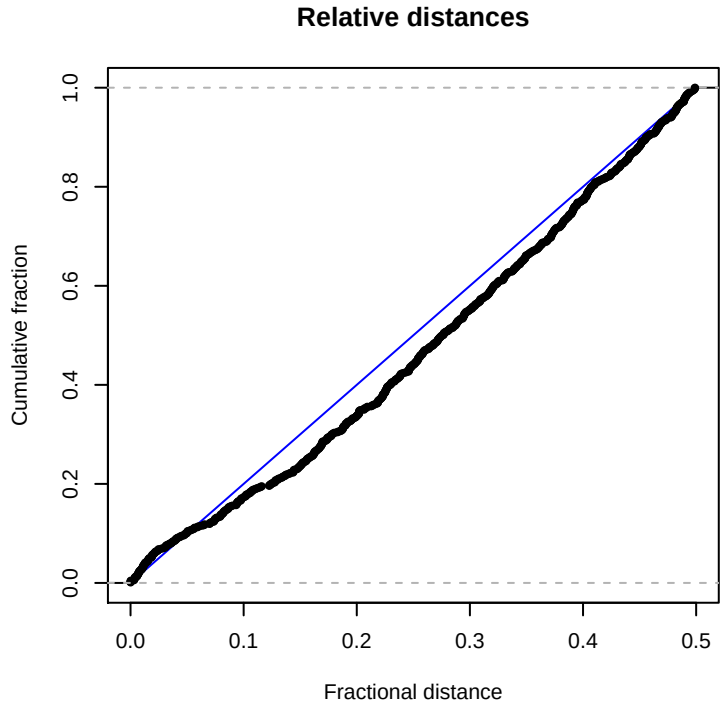




pcontig_012

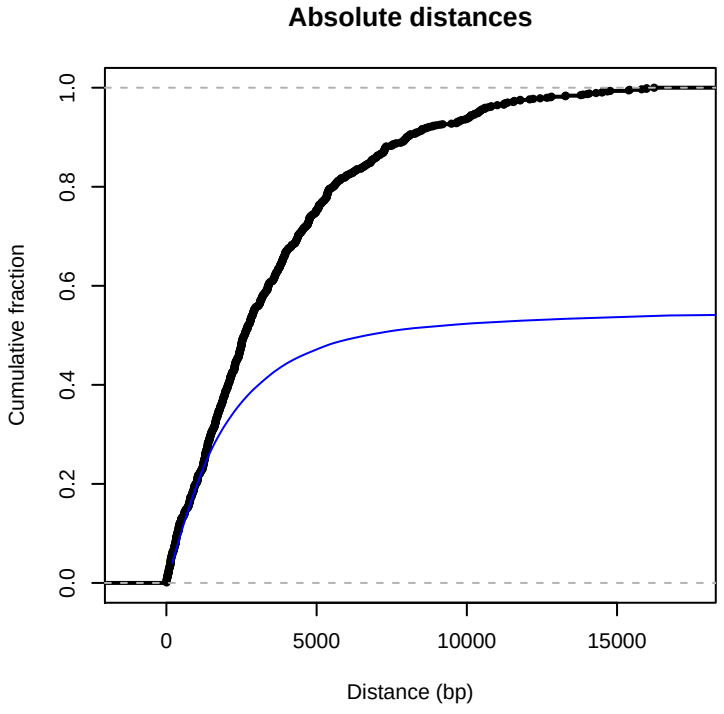
Query population : 897
Reference population : 283
Relative Ks p−value : 8.93111e−05
Relative ecdf deviation area : 0.0181789
Relative ecdf area correlation : −0.0694689
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00127415
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.74576

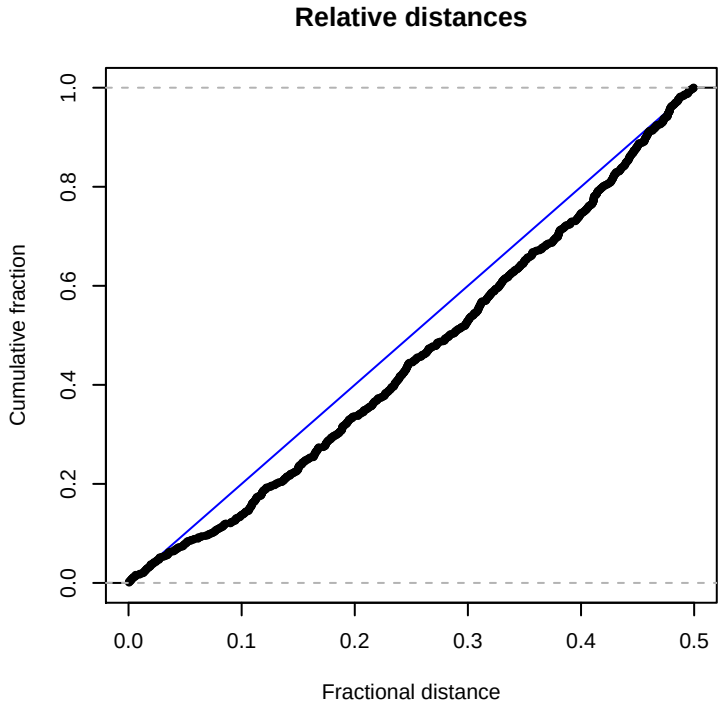




pcontig_013

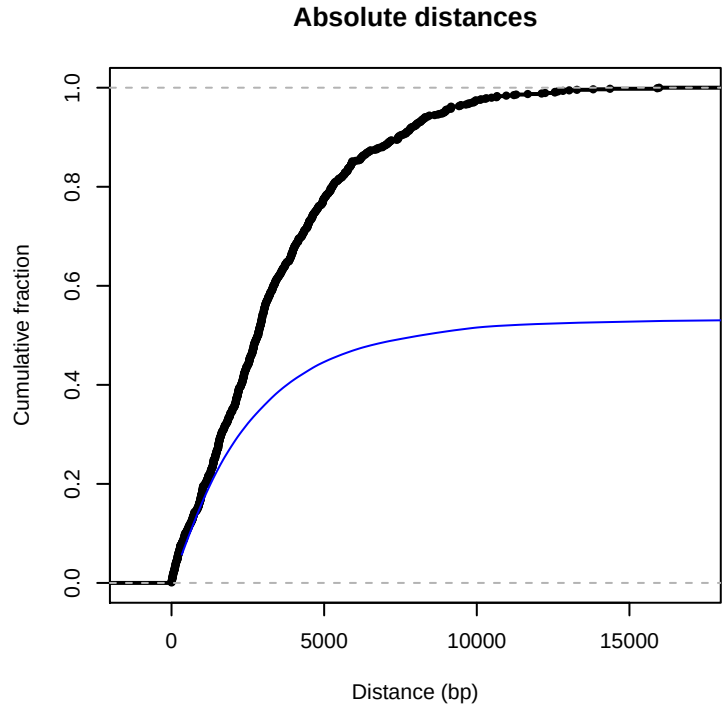
Query population : 936
Reference population : 322
Relative Ks p−value : 3.25316e−05
Relative ecdf deviation area : 0.0237797
Relative ecdf area correlation : −0.0948819
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0720152
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.883187

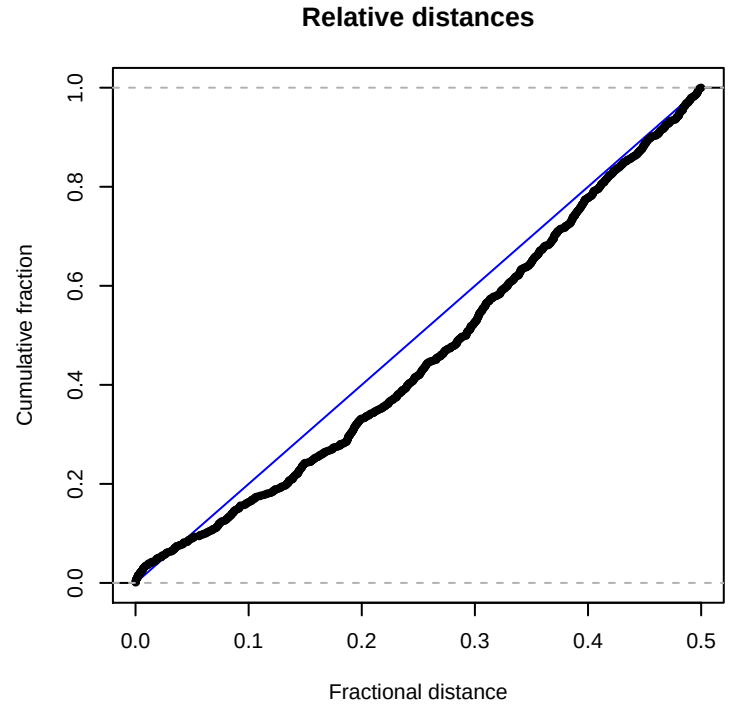




pcontig_014

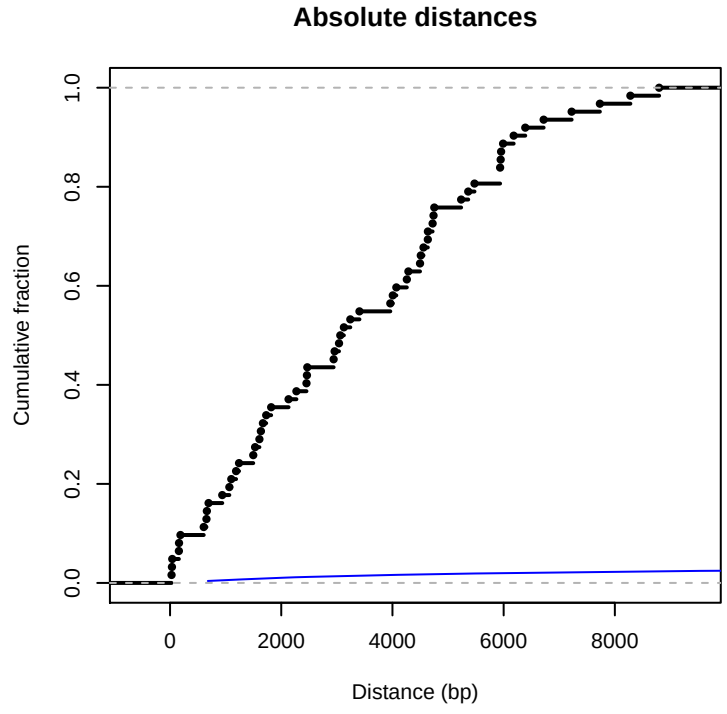
Query population : 941
Reference population : 261
Relative Ks p−value : 5.88882e−07
Relative ecdf deviation area : 0.0228347
Relative ecdf area correlation : −0.08838
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.42
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.112178
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.893228

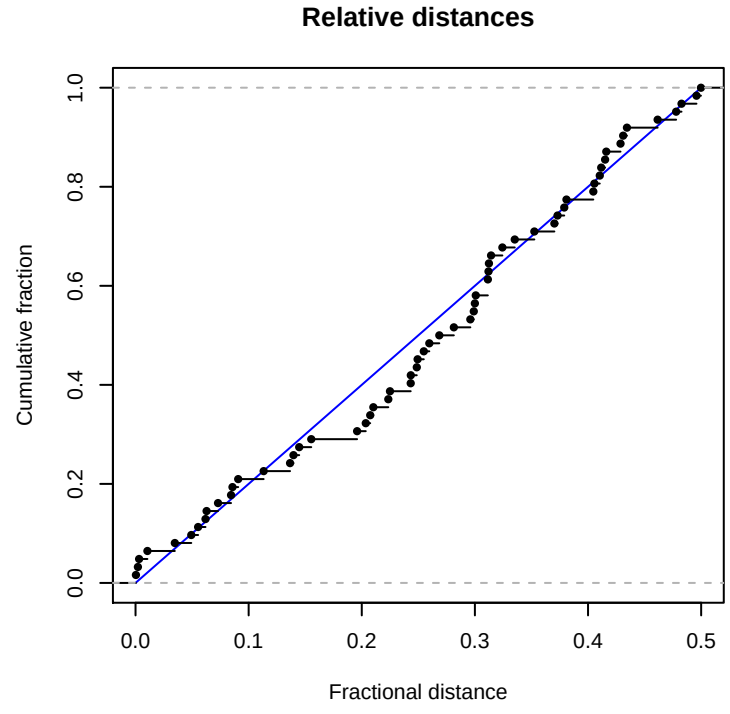




pcontig_015

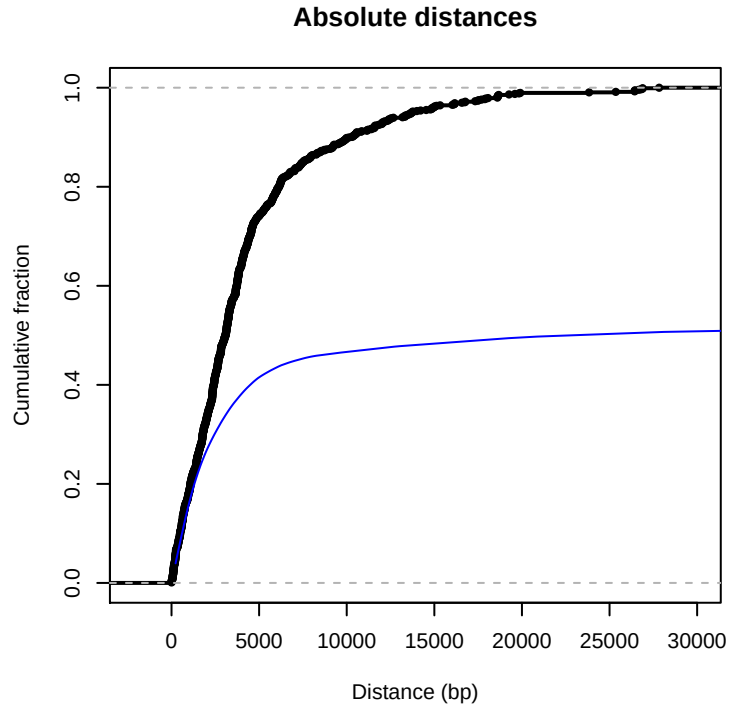
Query population : 62
Reference population : 9
Relative Ks p−value : 0.514213
Relative ecdf deviation area : 0.0149819
Relative ecdf area correlation : −0.0365275
Relative ecdf deviation area p−value : 0.58
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.01291e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 38.0178

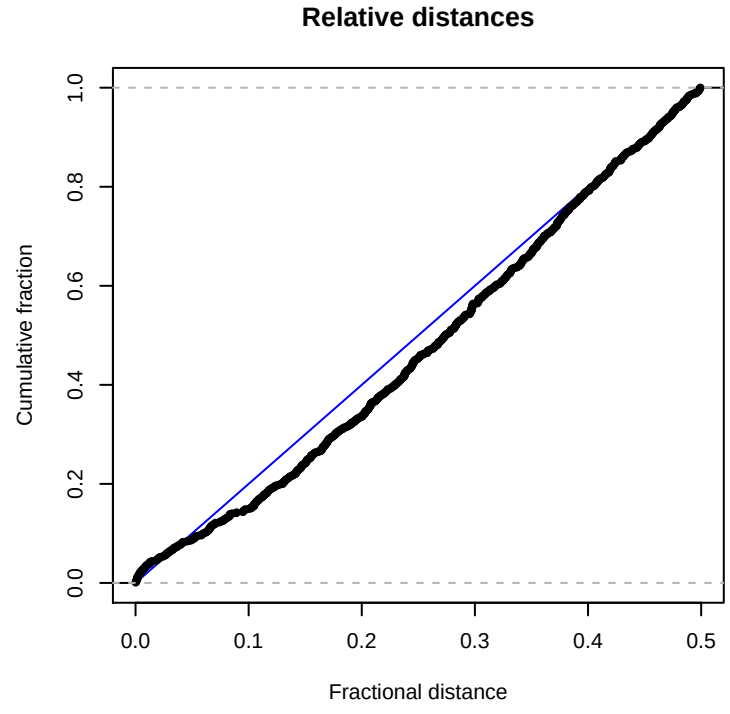




pcontig_016

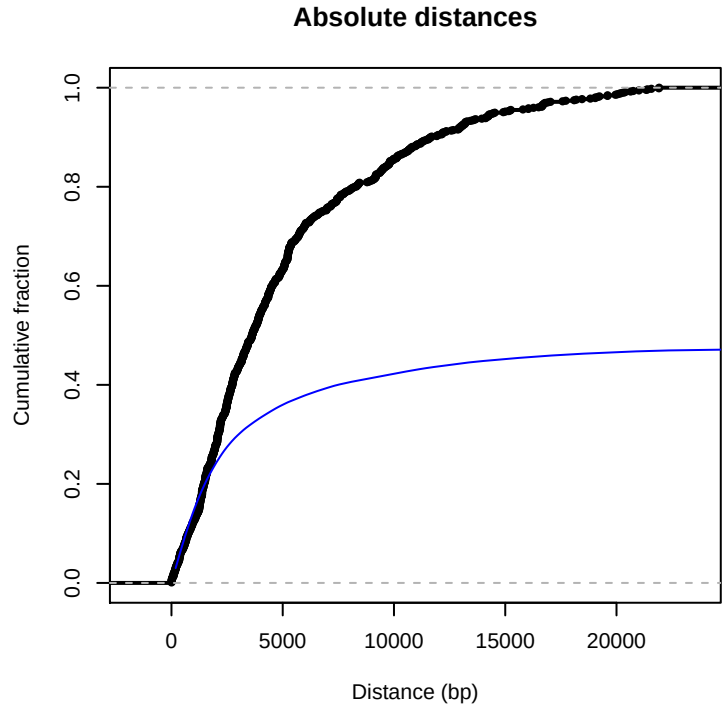
Query population : 956
Reference population : 262
Relative Ks p−value : 0.000495155
Relative ecdf deviation area : 0.0155797
Relative ecdf area correlation : −0.0603487
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.44
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0354905
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.851392

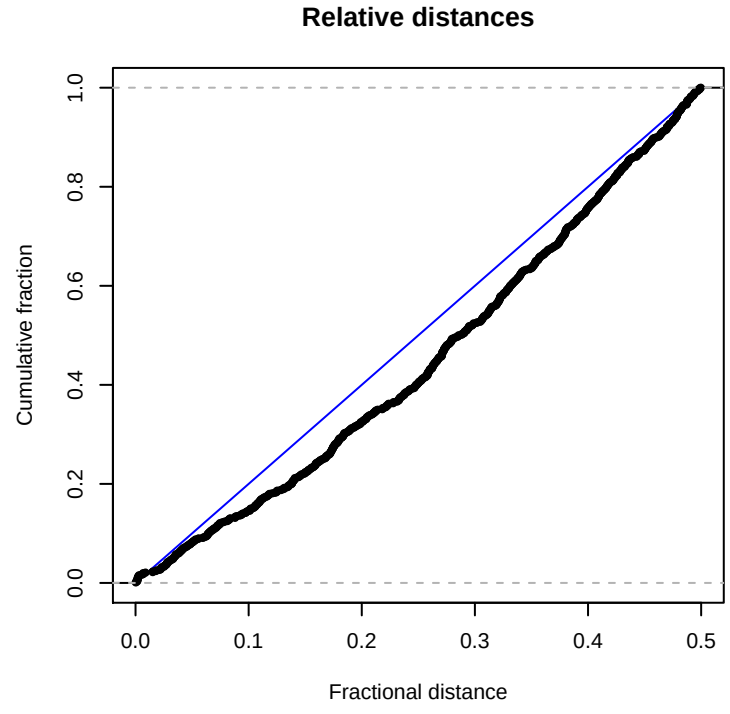




pcontig_017

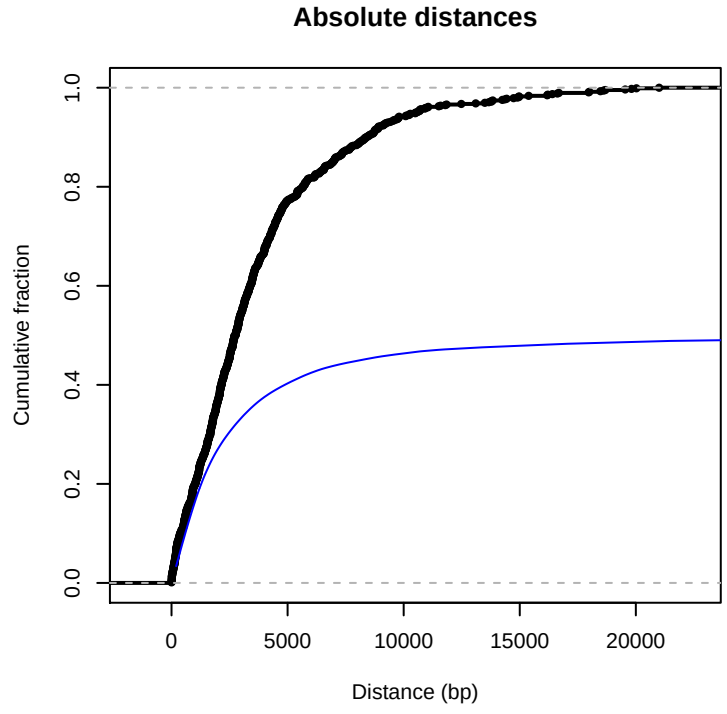
Query population : 912
Reference population : 244
Relative Ks p−value : 2.21869e−08
Relative ecdf deviation area : 0.0263538
Relative ecdf area correlation : −0.104734
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.18
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.12636
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.890954

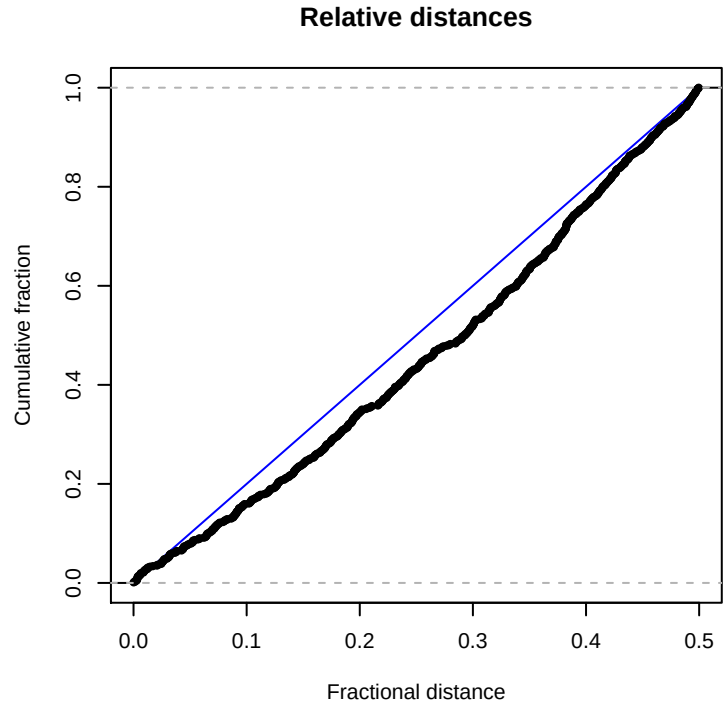




pcontig_018

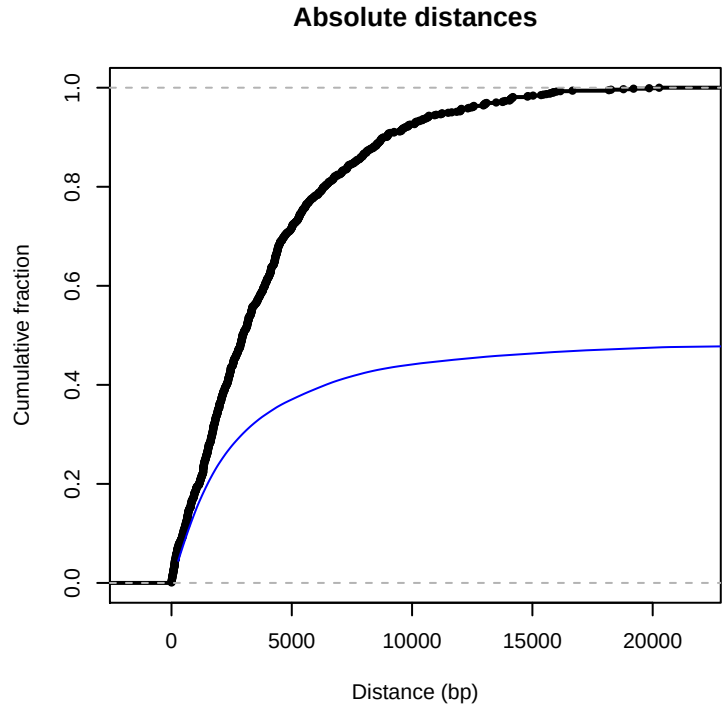
Query population : 854
Reference population : 262
Relative Ks p−value : 3.5578e−06
Relative ecdf deviation area : 0.0234947
Relative ecdf area correlation : −0.0937614
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.27
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.124829
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.883899

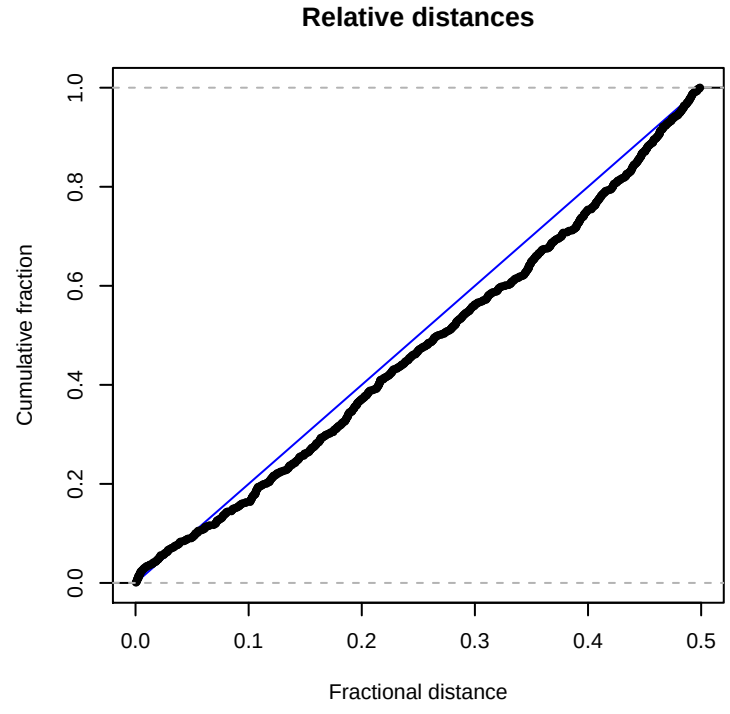




pcontig_019

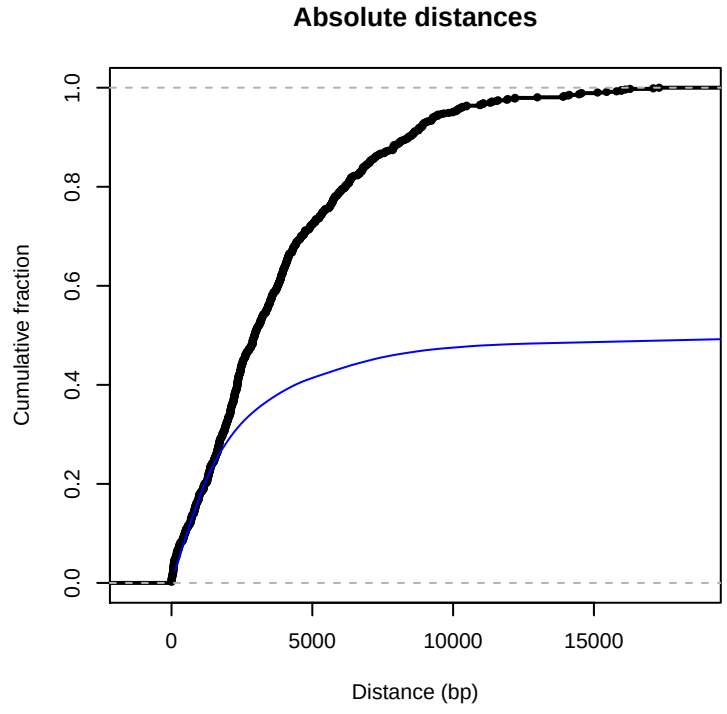
Query population : 1007
Reference population : 244
Relative Ks p−value : 0.000346017
Relative ecdf deviation area : 0.0162974
Relative ecdf area correlation : −0.0630099
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00554655
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.23165

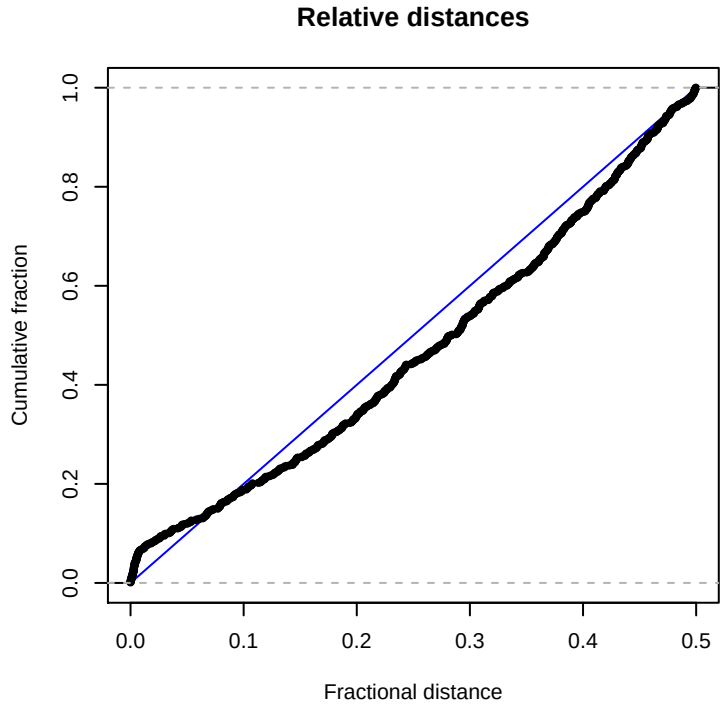




pcontig_020

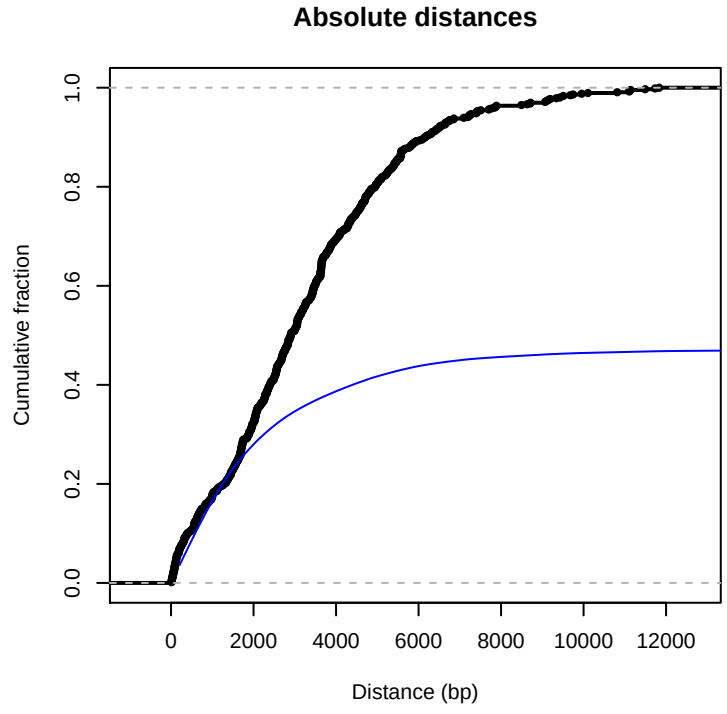
Query population : 826
Reference population : 282
Relative Ks p−value : 0.000145993
Relative ecdf deviation area : 0.0215671
Relative ecdf area correlation : −0.0698656
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.47
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000830766
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.721999

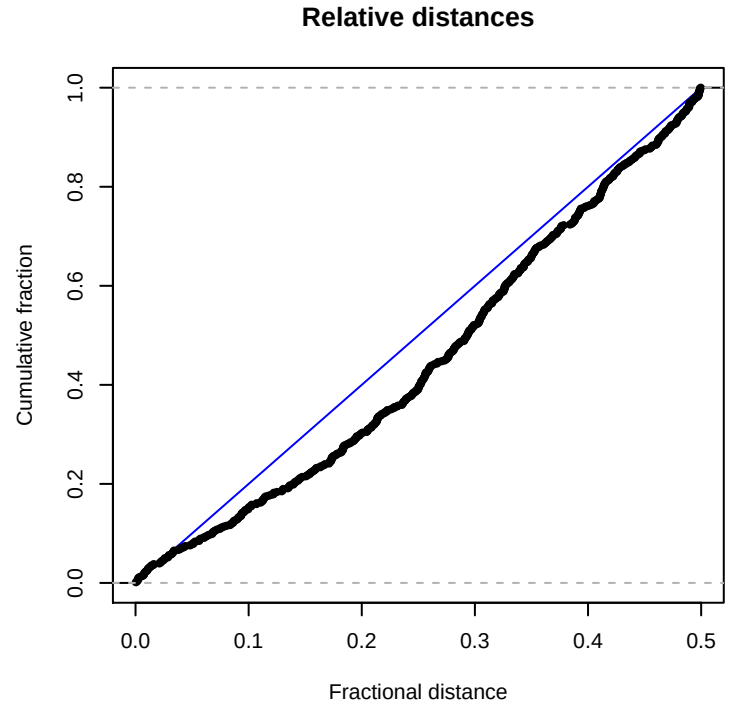




pcontig_021

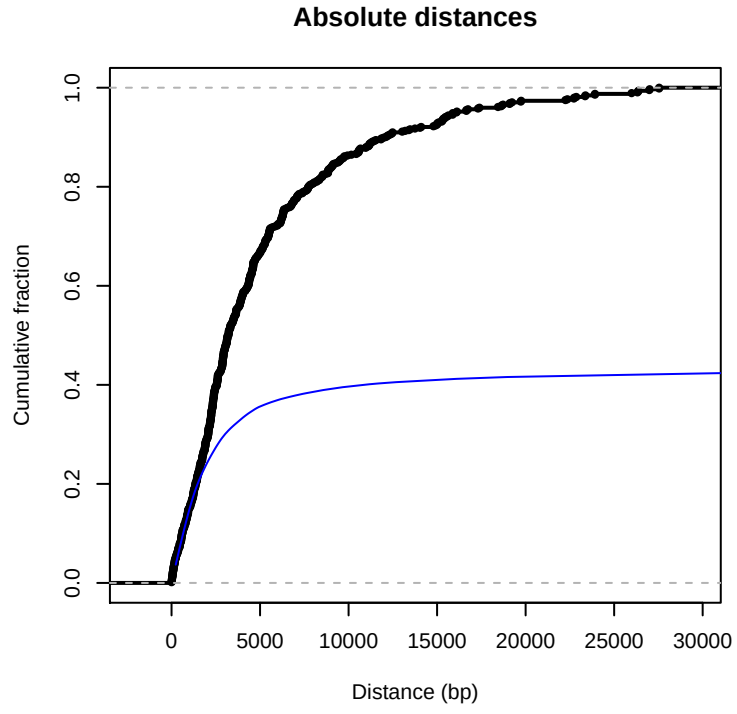
Query population : 659
Reference population : 267
Relative Ks p−value : 1.08787e−07
Relative ecdf deviation area : 0.027571
Relative ecdf area correlation : −0.109804
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0143203
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.787387

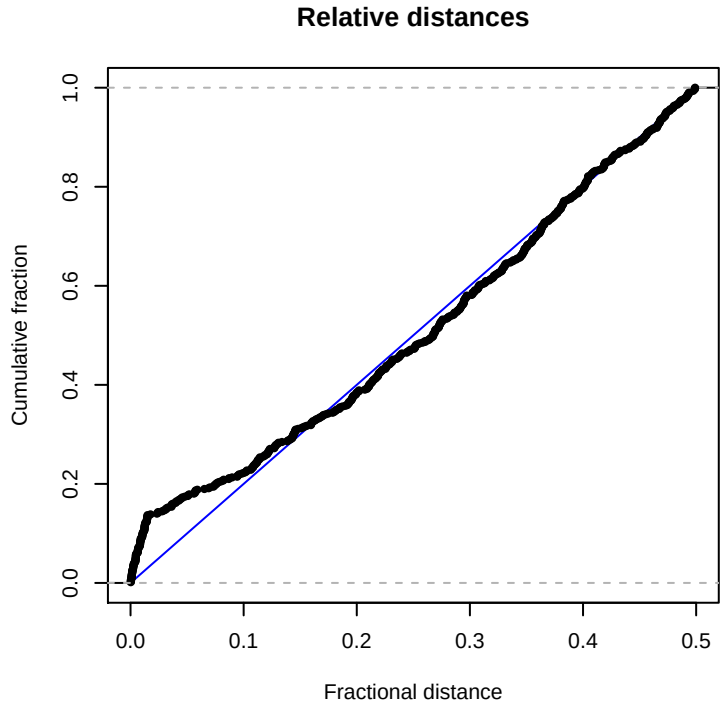




pcontig_022

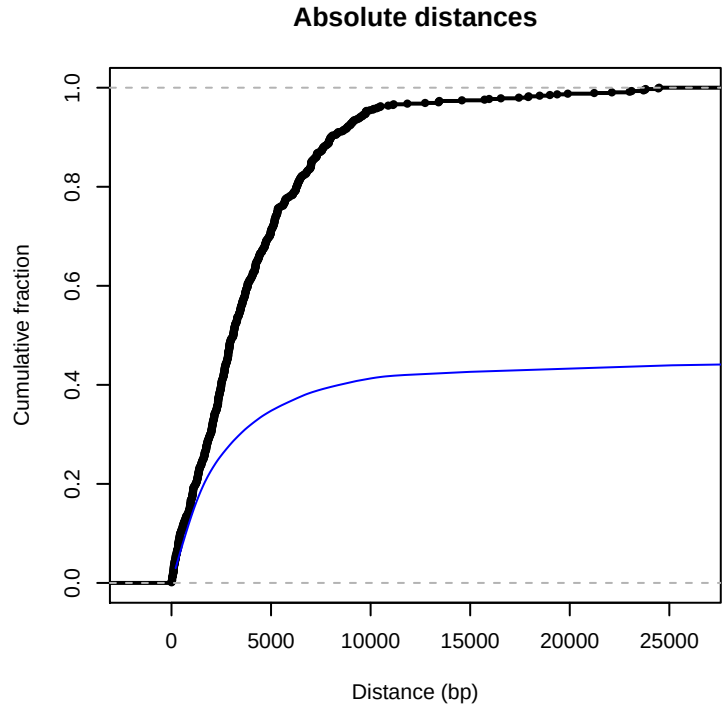
Query population : 643
Reference population : 238
Relative Ks p−value : 8.50638e−07
Relative ecdf deviation area : 0.0122318
Relative ecdf area correlation : 0.010891
Relative ecdf deviation area p−value : 0.05
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.40634
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.01701

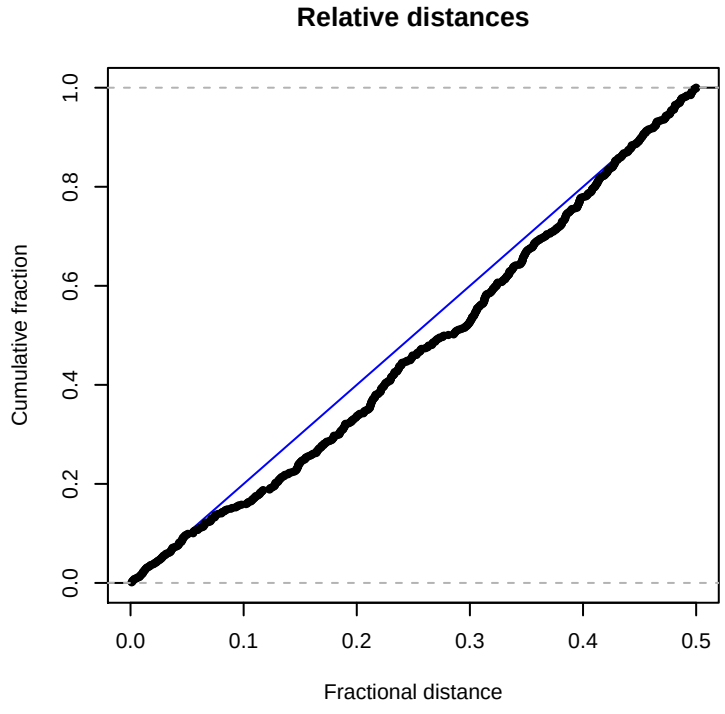




pcontig_023

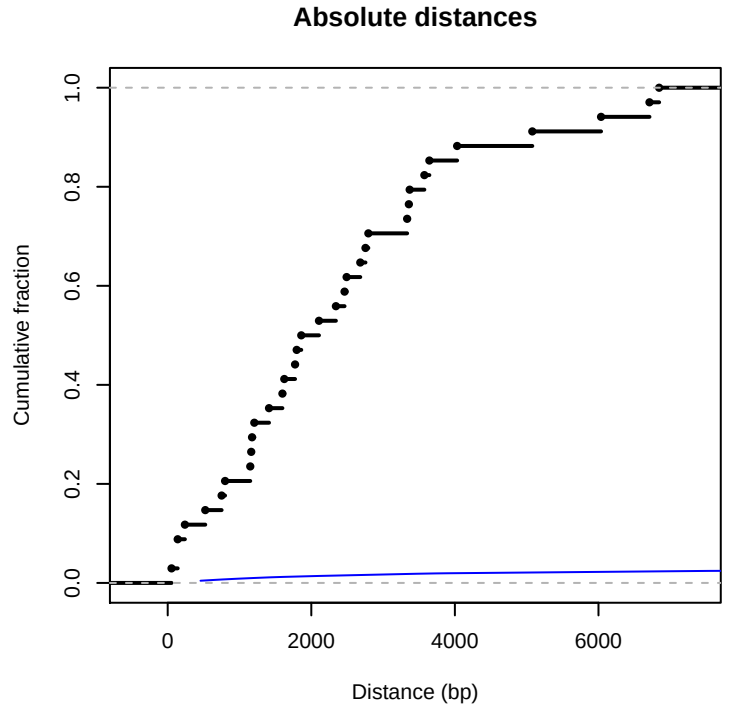
Query population : 747
Reference population : 220
Relative Ks p−value : 0.000284871
Relative ecdf deviation area : 0.0174006
Relative ecdf area correlation : −0.0696154
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.14
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.101163
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.860348

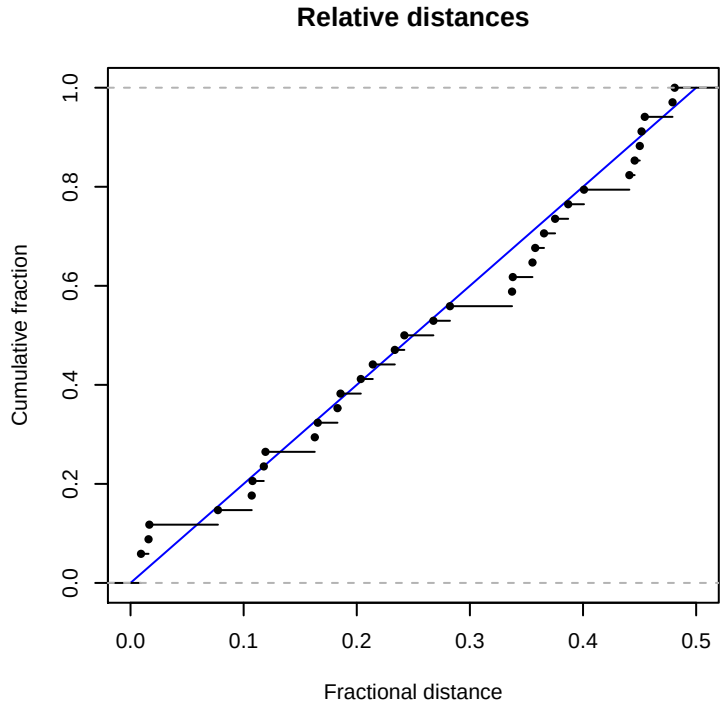




pcontig_024

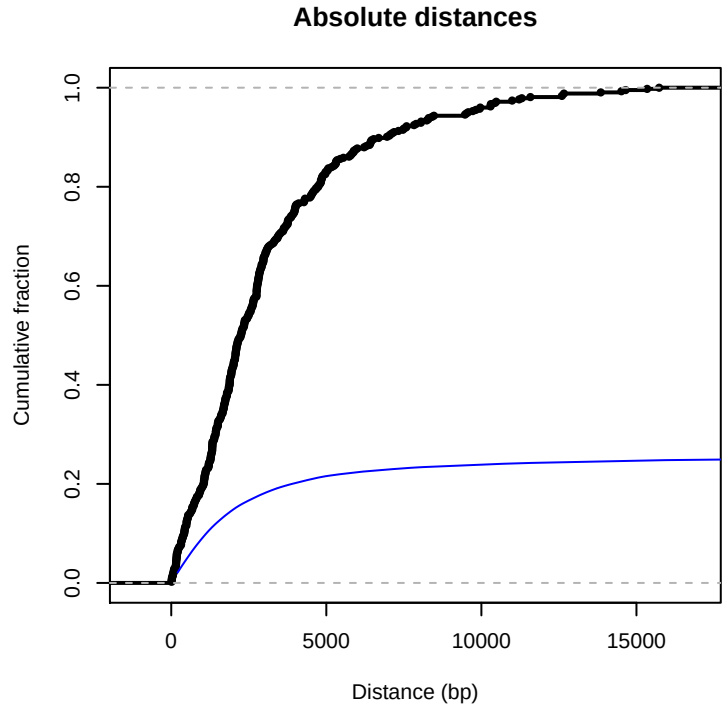
Query population : 34
Reference population : 15
Relative Ks p−value : 0.709845
Relative ecdf deviation area : 0.017583
Relative ecdf area correlation : −0.040118
Relative ecdf deviation area p−value : 0.78
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.25586e−11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 35.0305

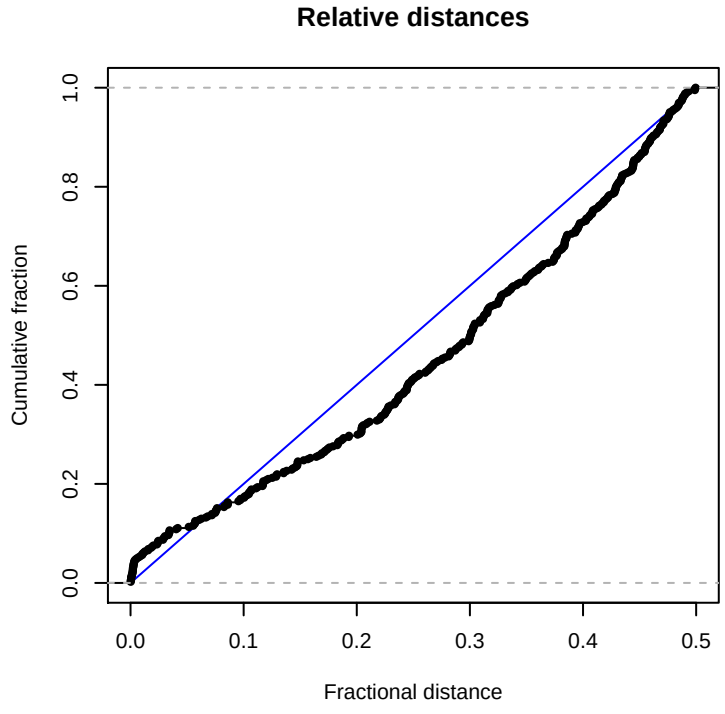




pcontig_025

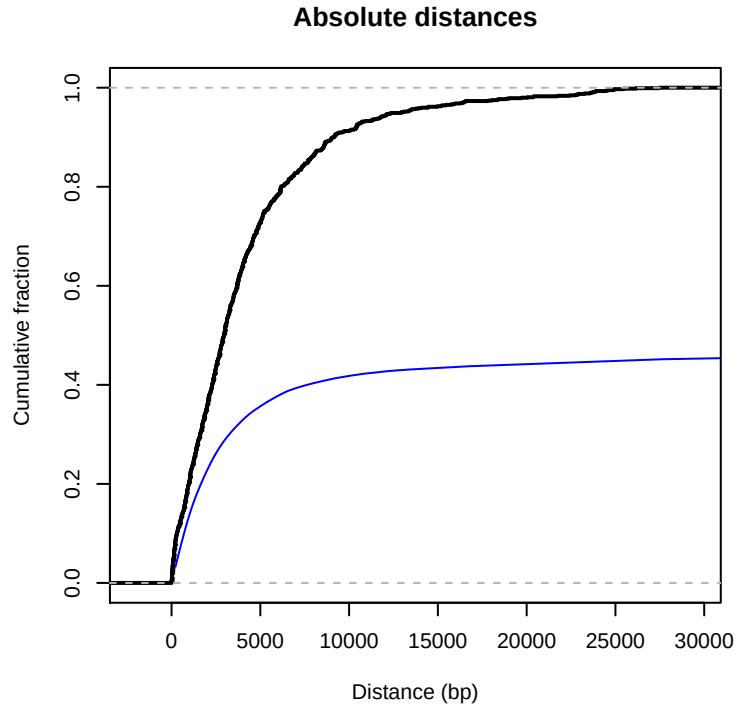
Query population : 424
Reference population : 156
Relative Ks p−value : 4.58906e−05
Relative ecdf deviation area : 0.0302661
Relative ecdf area correlation : −0.108494
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.87455e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.93075

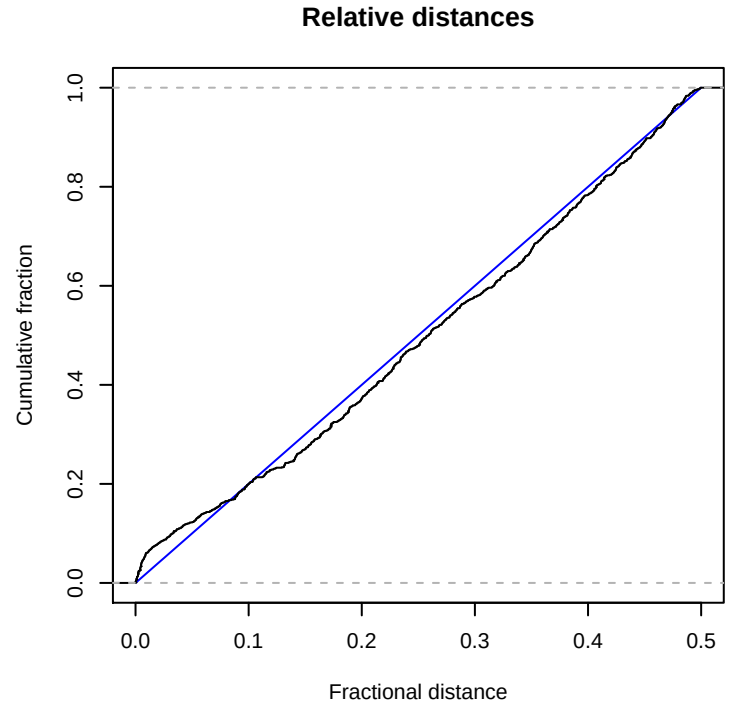




pcontig_026

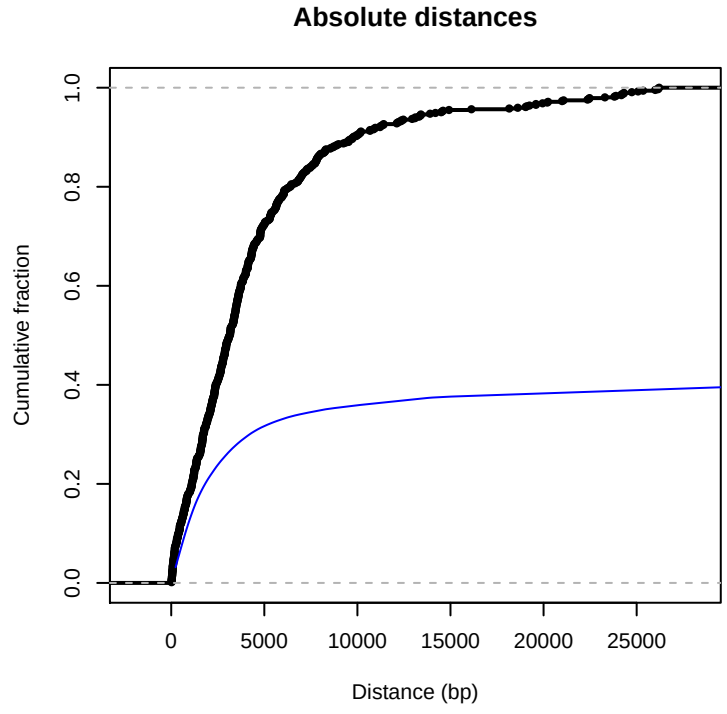
Query population : 1040
Reference population : 225
Relative Ks p−value : 0.0474483
Relative ecdf deviation area : 0.00977081
Relative ecdf area correlation : −0.021538
Relative ecdf deviation area p−value : 0.05
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000506277
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.33548

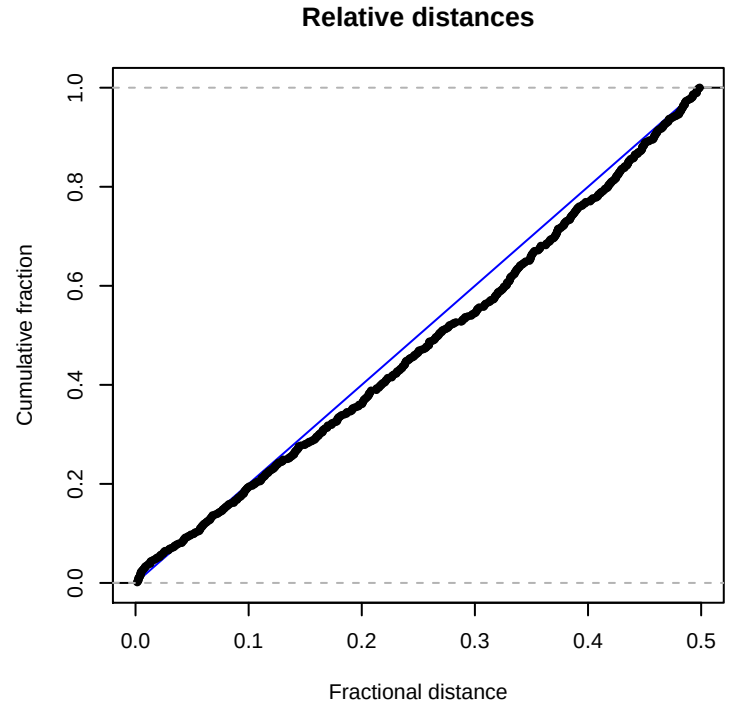




pcontig_027

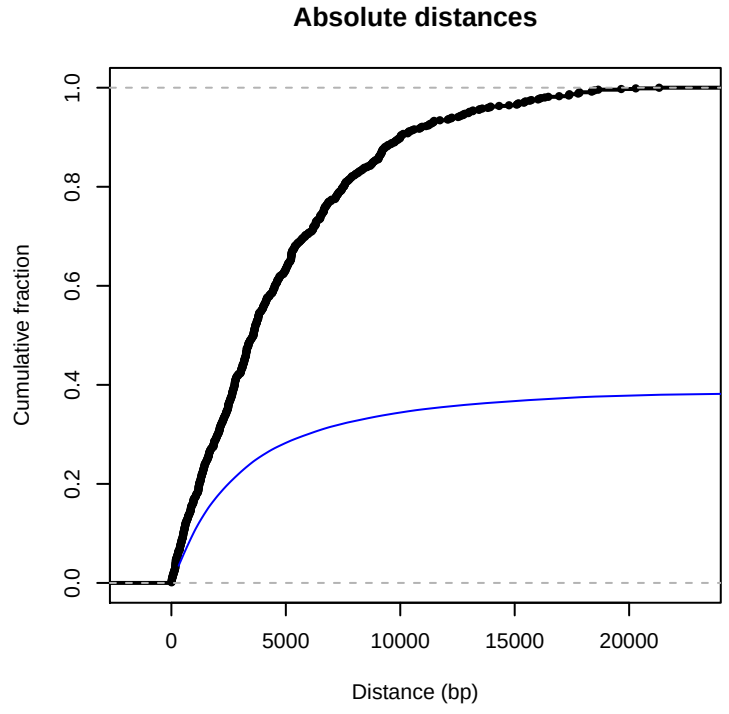
Query population : 667
Reference population : 209
Relative Ks p−value : 0.0125613
Relative ecdf deviation area : 0.0130129
Relative ecdf area correlation : −0.0485361
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.54587e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.50498

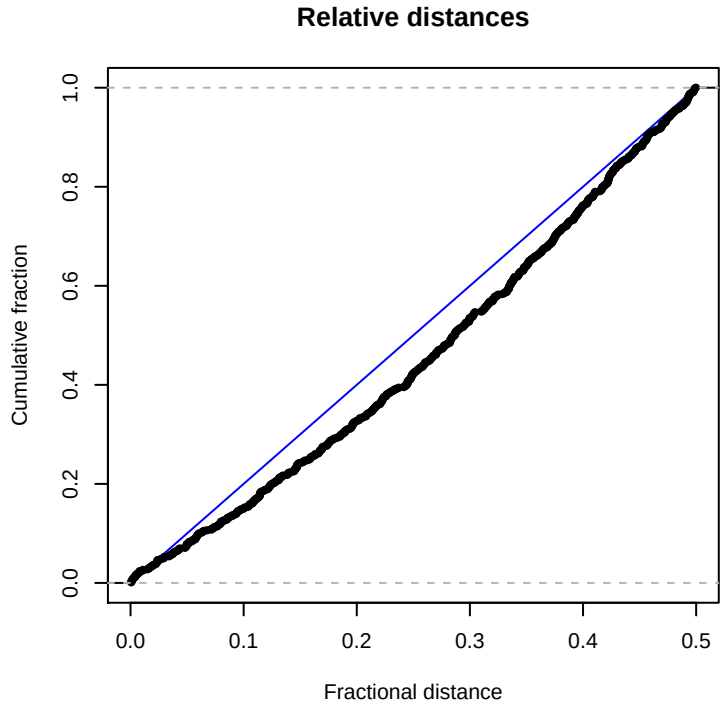




pcontig_028

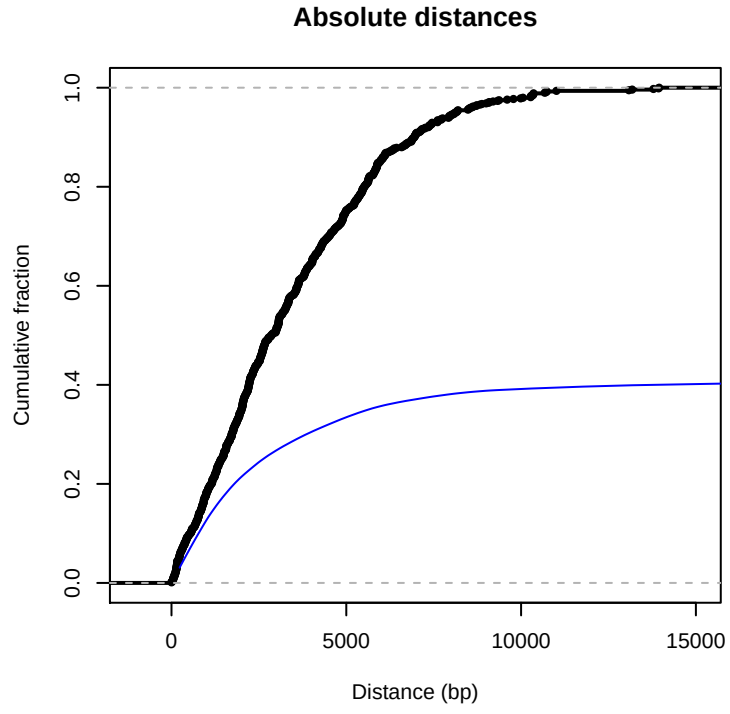
Query population : 761
Reference population : 168
Relative Ks p−value : 9.5639e−06
Relative ecdf deviation area : 0.0238802
Relative ecdf area correlation : −0.0964645
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0121045
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.24337

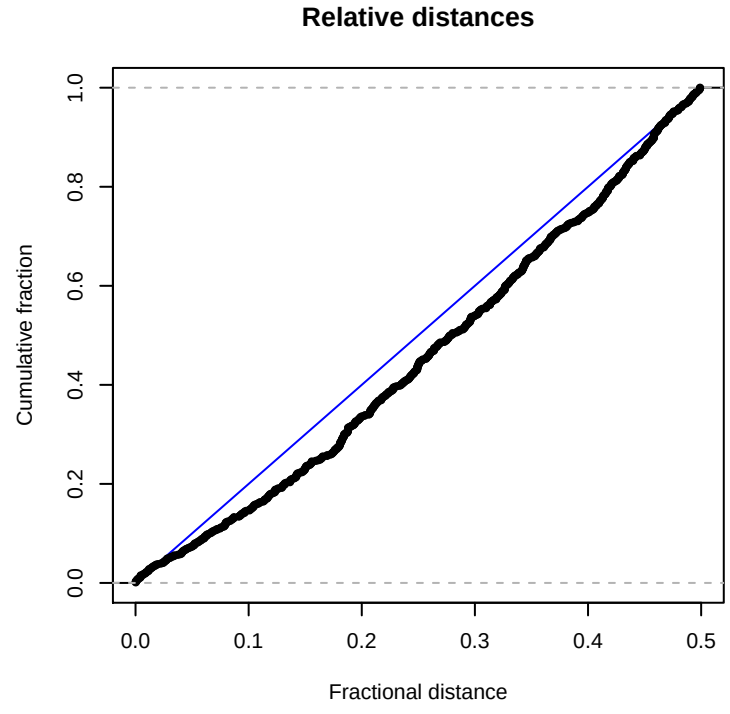




pcontig_029

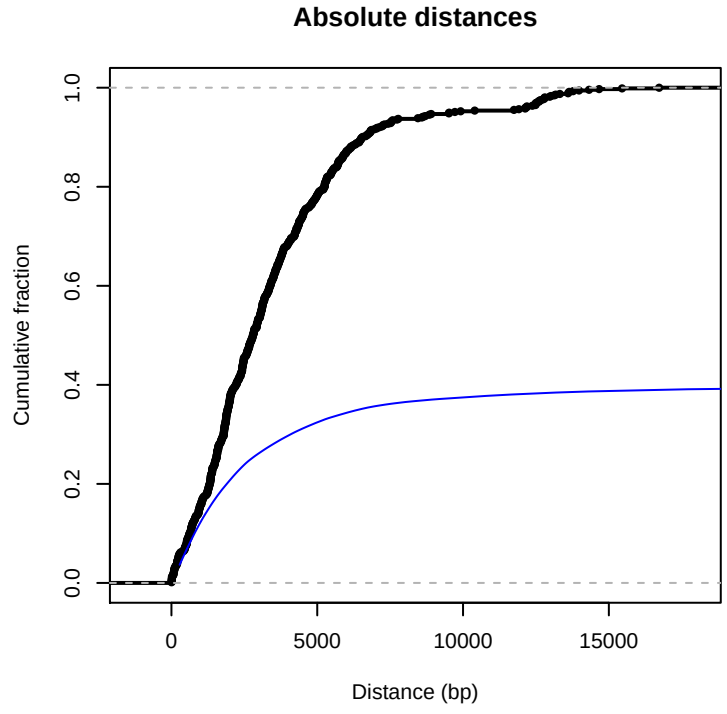
Query population : 791
Reference population : 204
Relative Ks p−value : 1.09641e−05
Relative ecdf deviation area : 0.0229964
Relative ecdf area correlation : −0.0911475
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.392068
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.958518

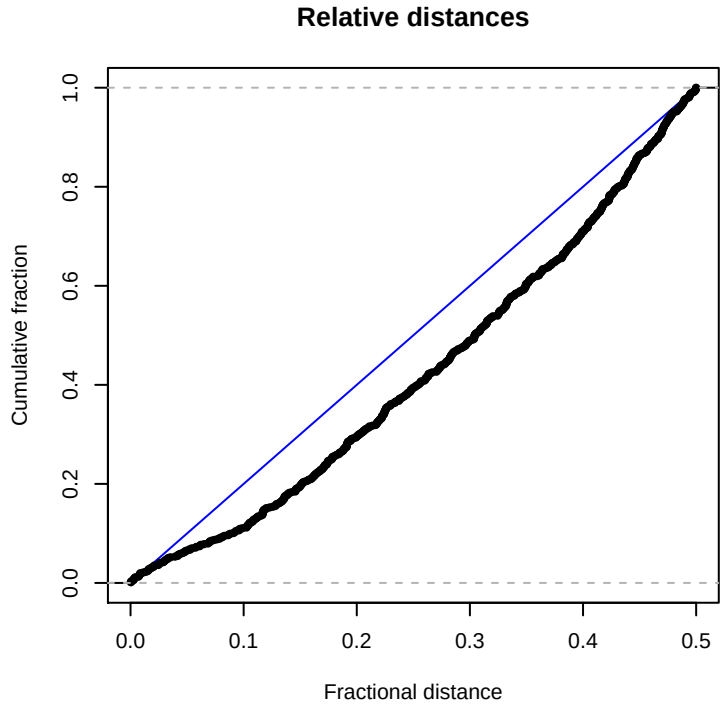




pcontig_030

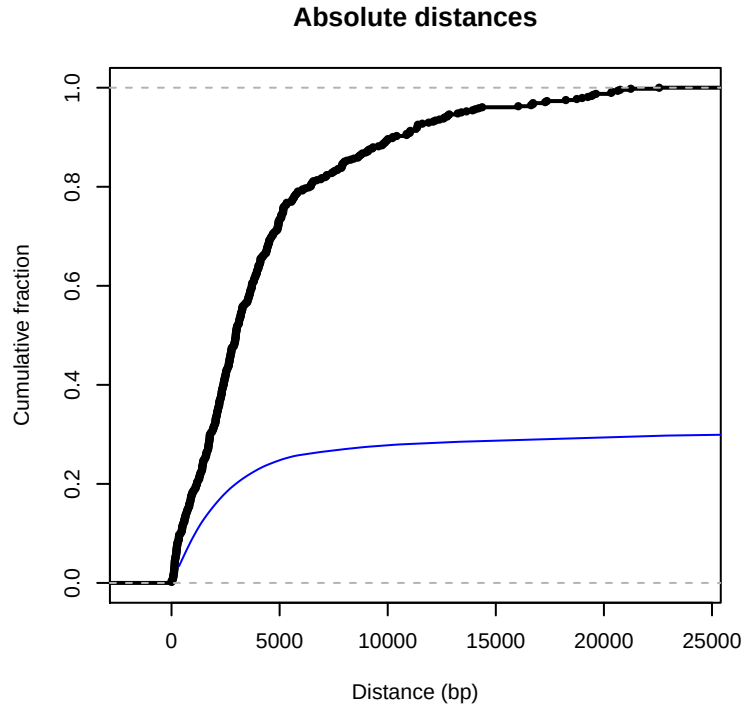
Query population : 715
Reference population : 201
Relative Ks p−value : 8.96185e−09
Relative ecdf deviation area : 0.0392684
Relative ecdf area correlation : −0.157955
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.09
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.348863
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.0363

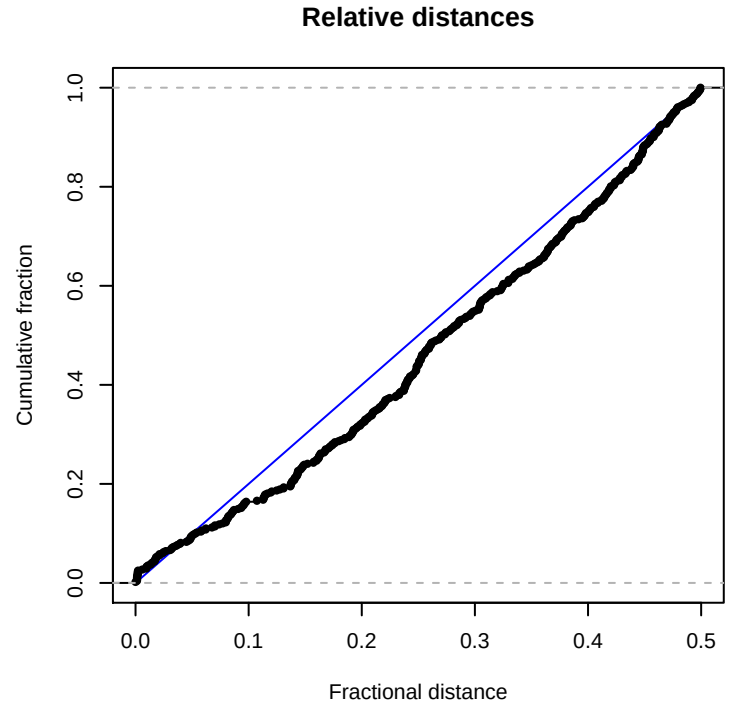




pcontig_031

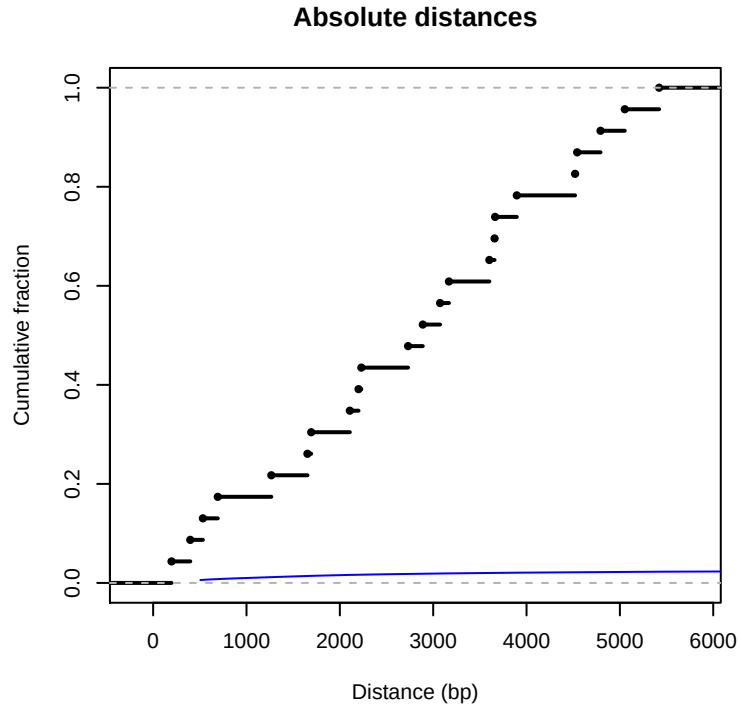
Query population : 482
Reference population : 149
Relative Ks p−value : 0.00107011
Relative ecdf deviation area : 0.02271
Relative ecdf area correlation : −0.0868308
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000109982
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.65383

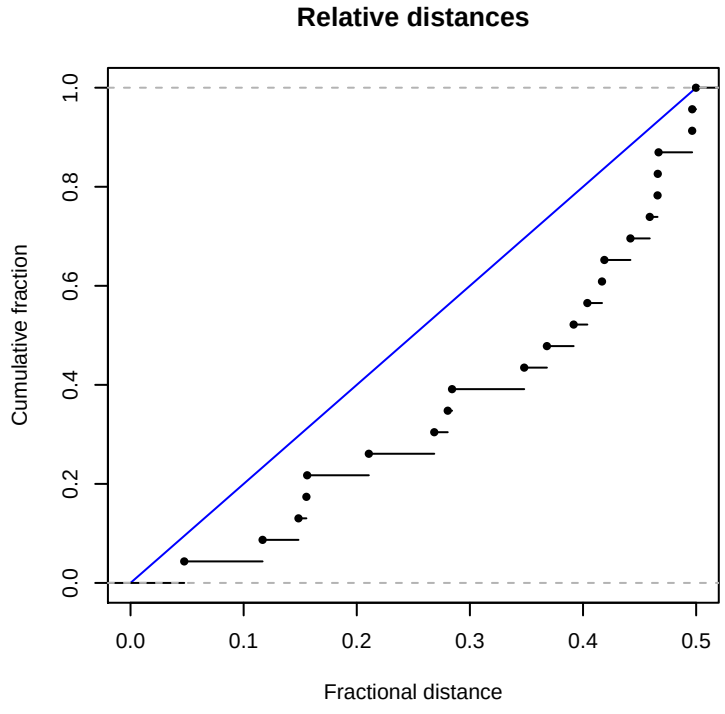




pcontig_032

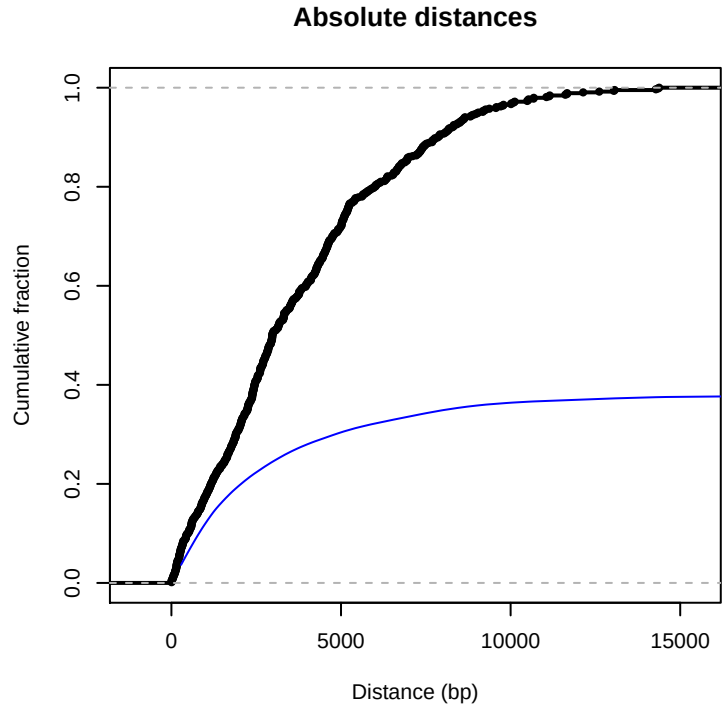
Query population : 23
Reference population : 18
Relative Ks p−value : 0.0213008
Relative ecdf deviation area : 0.0891994
Relative ecdf area correlation : −0.357866
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000458498
Projection test lower tail : FALSE
Projection test observed to expected ratio : 13.2019

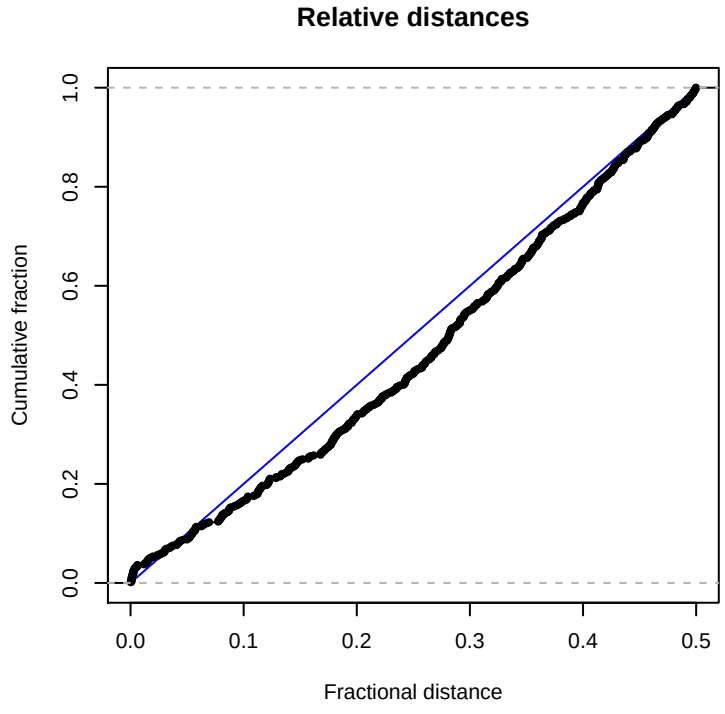




pcontig_033

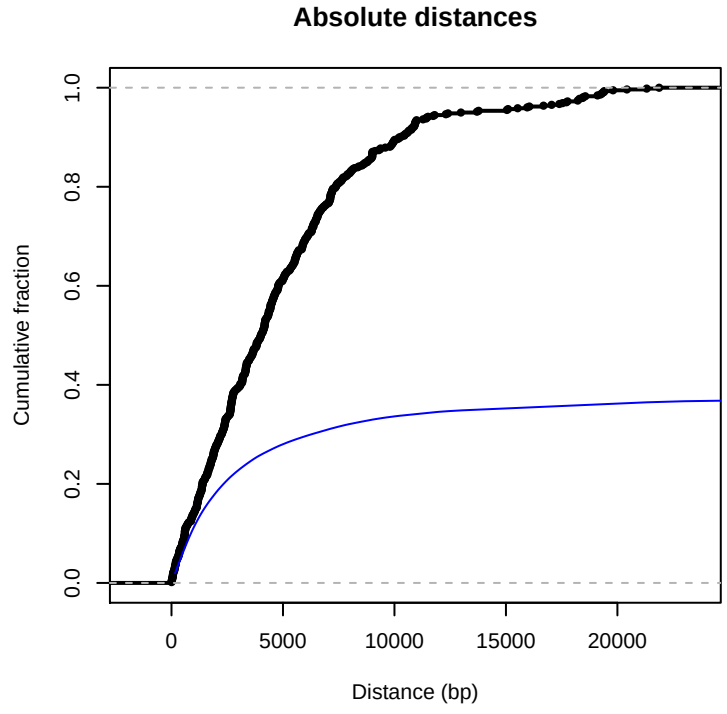
Query population : 637
Reference population : 197
Relative Ks p−value : 0.00024609
Relative ecdf deviation area : 0.0198578
Relative ecdf area correlation : −0.0759311
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.275702
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.06868

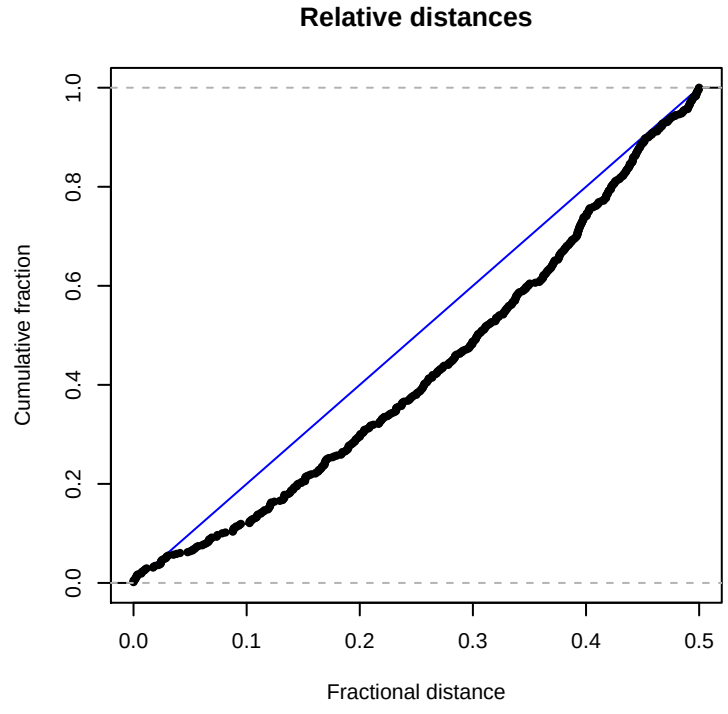




pcontig_034

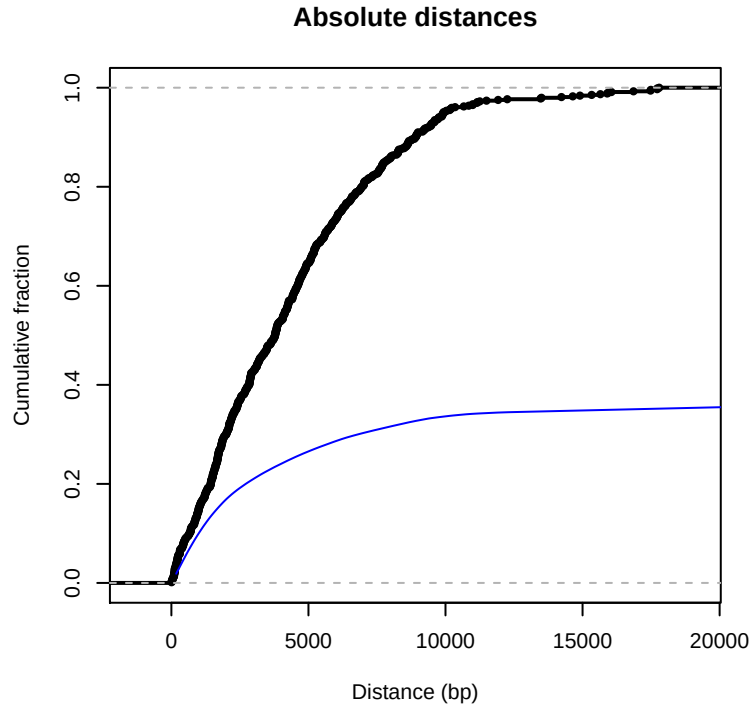
Query population : 579
Reference population : 186
Relative Ks p−value : 6.95054e−08
Relative ecdf deviation area : 0.0369063
Relative ecdf area correlation : −0.147291
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.05
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.22377
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.09858

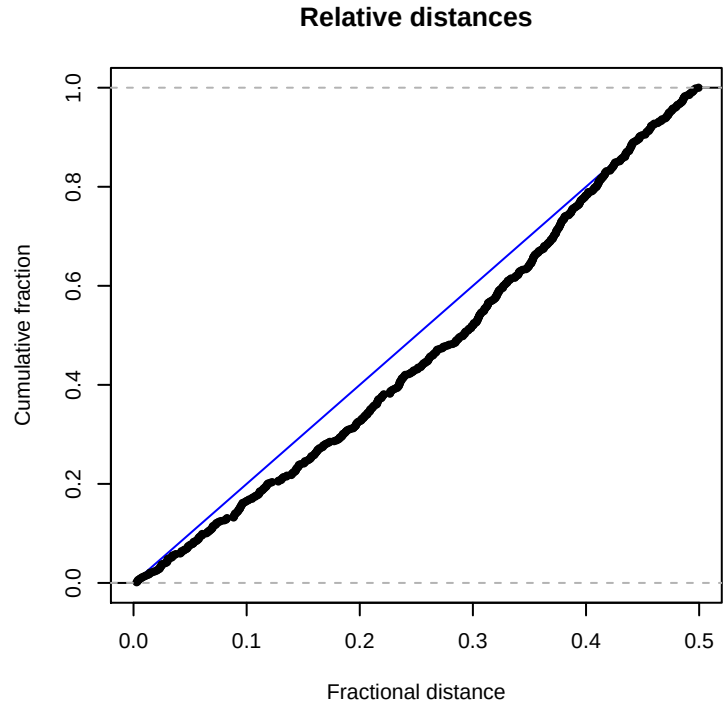




pcontig_035

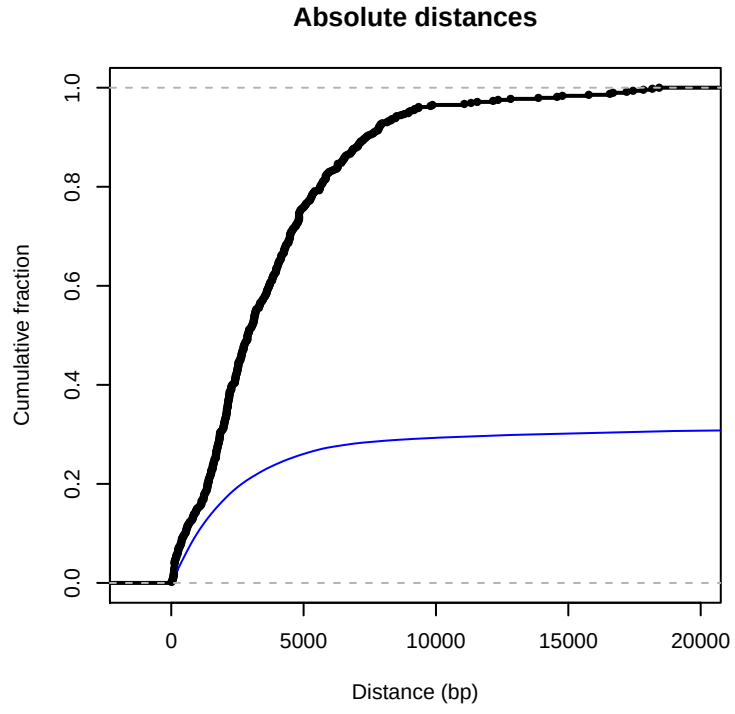
Query population : 688
Reference population : 164
Relative Ks p−value : 9.08554e−05
Relative ecdf deviation area : 0.0210978
Relative ecdf area correlation : −0.0815474
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.12
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.444608
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.968038

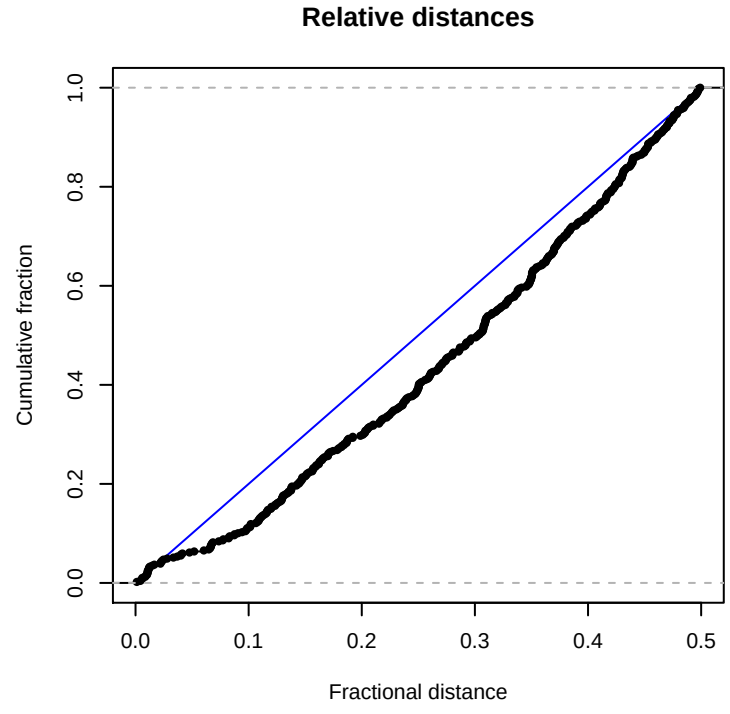




pcontig_036

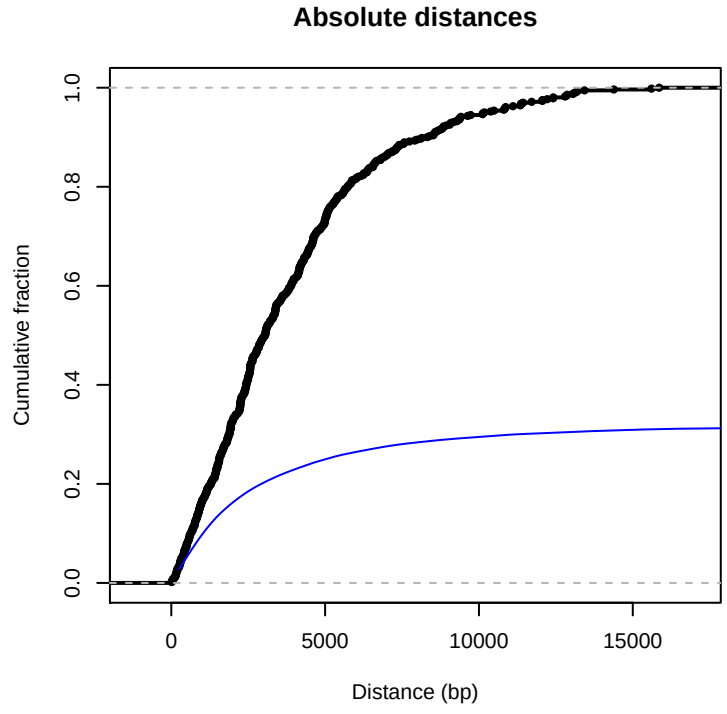
Query population : 488
Reference population : 169
Relative Ks p−value : 4.39633e−06
Relative ecdf deviation area : 0.0341051
Relative ecdf area correlation : −0.136027
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0551247
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.25107

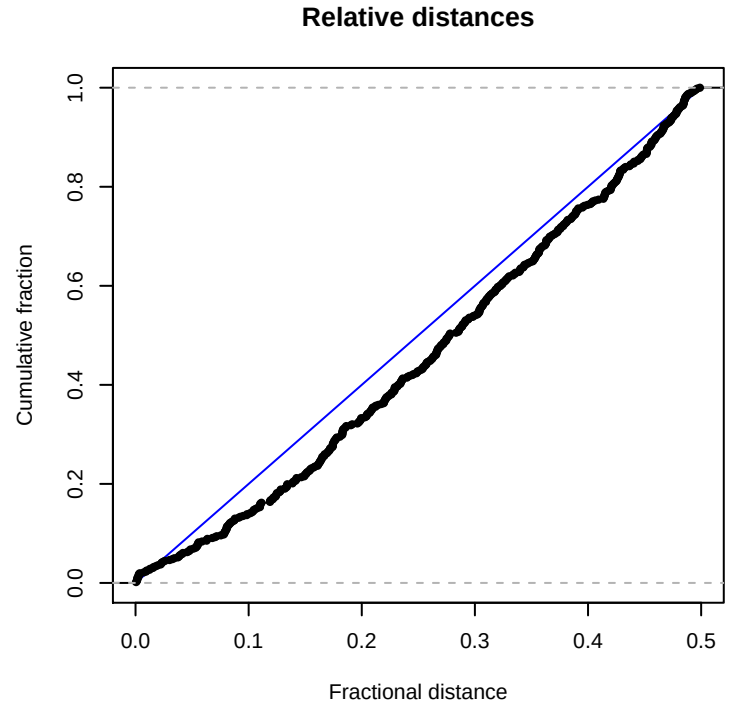




pcontig_037

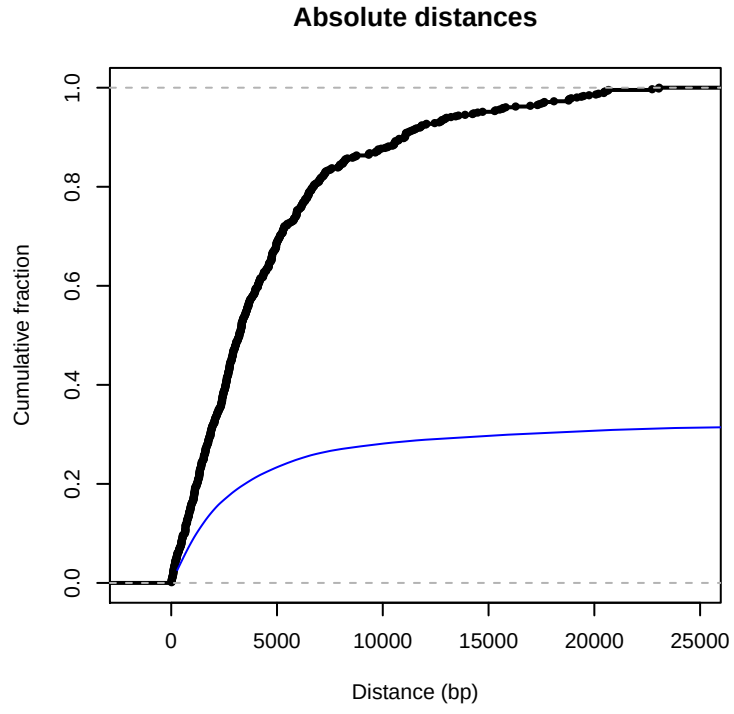
Query population : 562
Reference population : 163
Relative Ks p−value : 0.000400671
Relative ecdf deviation area : 0.0234429
Relative ecdf area correlation : −0.0934747
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.45231e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.81695

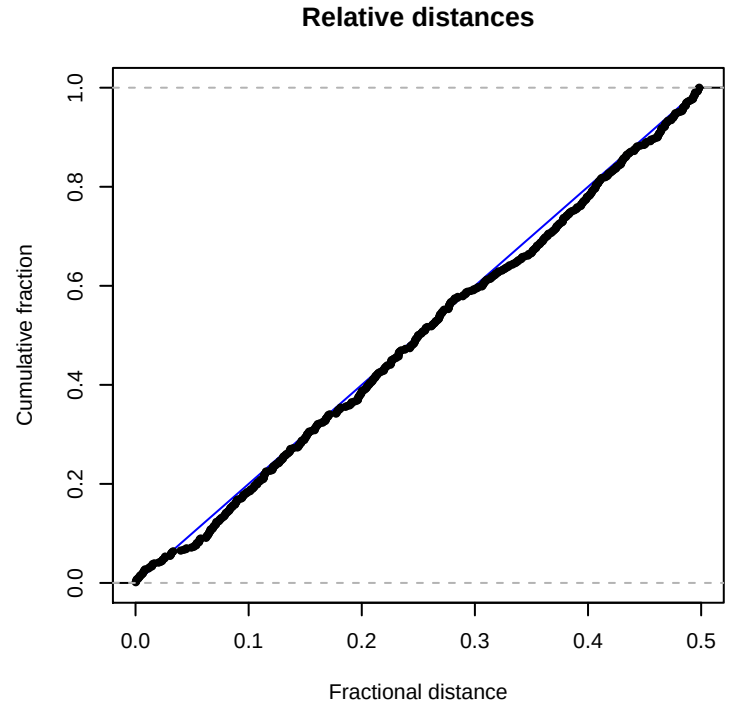




pcontig_039

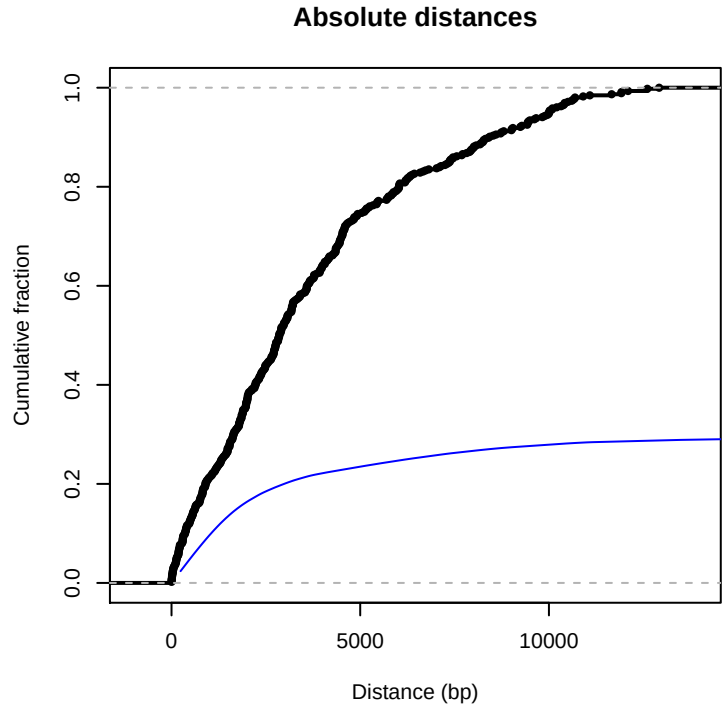
Query population : 658
Reference population : 139
Relative Ks p−value : 0.380486
Relative ecdf deviation area : 0.0068616
Relative ecdf area correlation : −0.0249722
Relative ecdf deviation area p−value : 0.24
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.351e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.55949

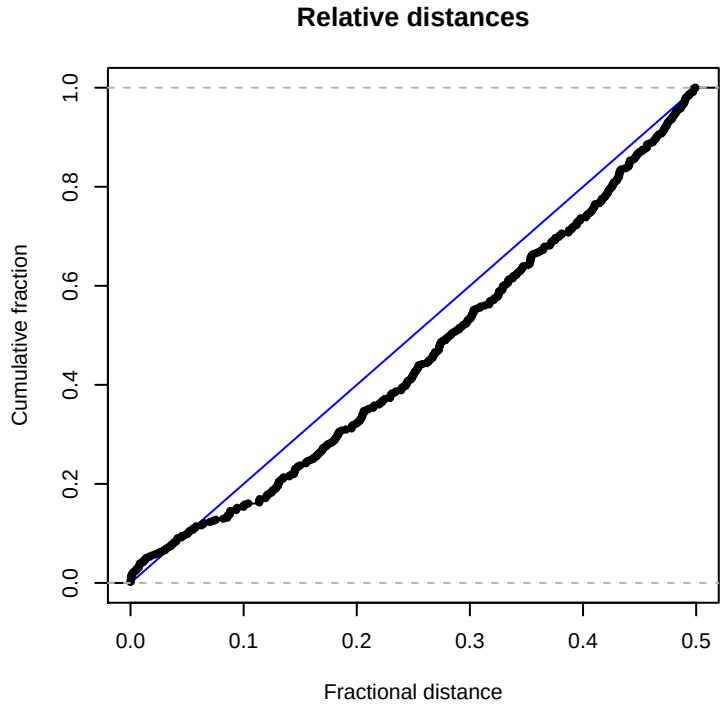




pcontig_040

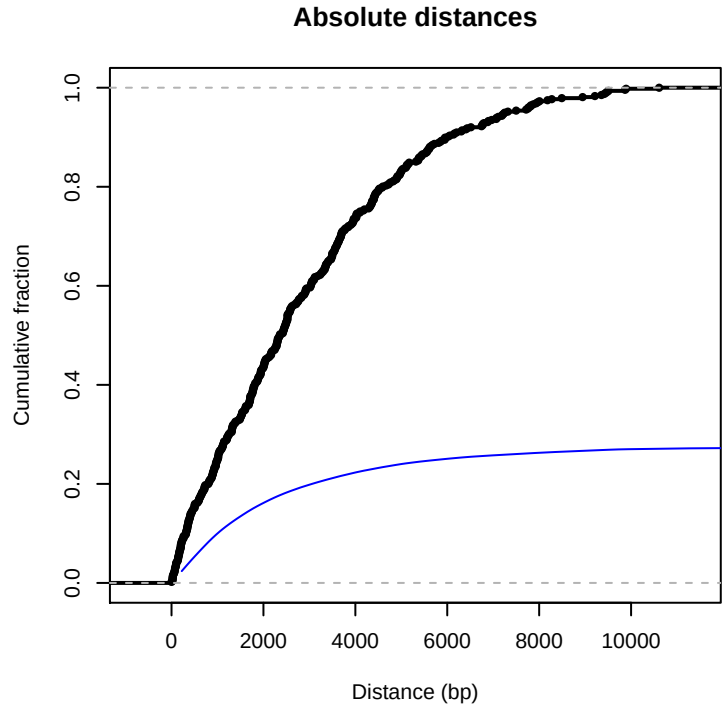
Query population : 455
Reference population : 153
Relative Ks p−value : 0.00100813
Relative ecdf deviation area : 0.0254577
Relative ecdf area correlation : −0.0982259
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.9341e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.73865

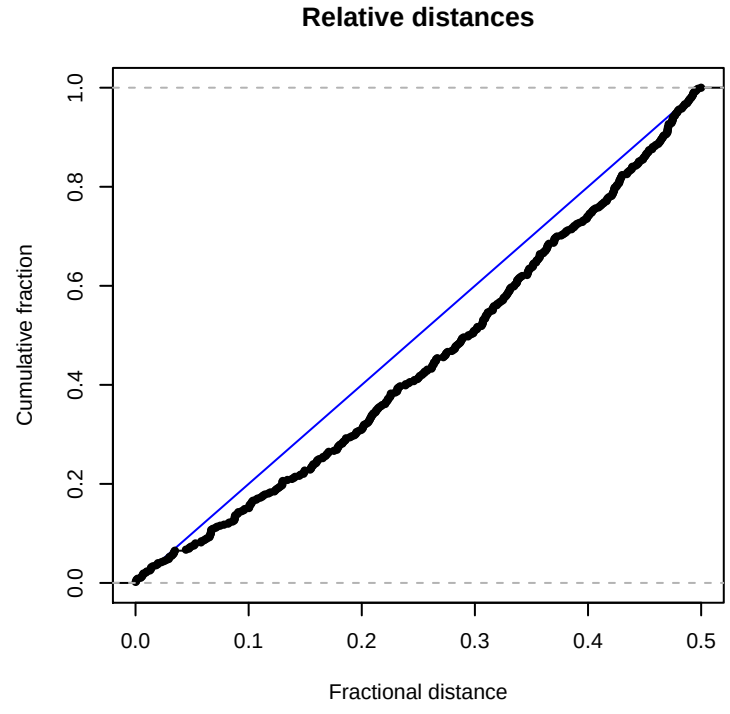




pcontig_041

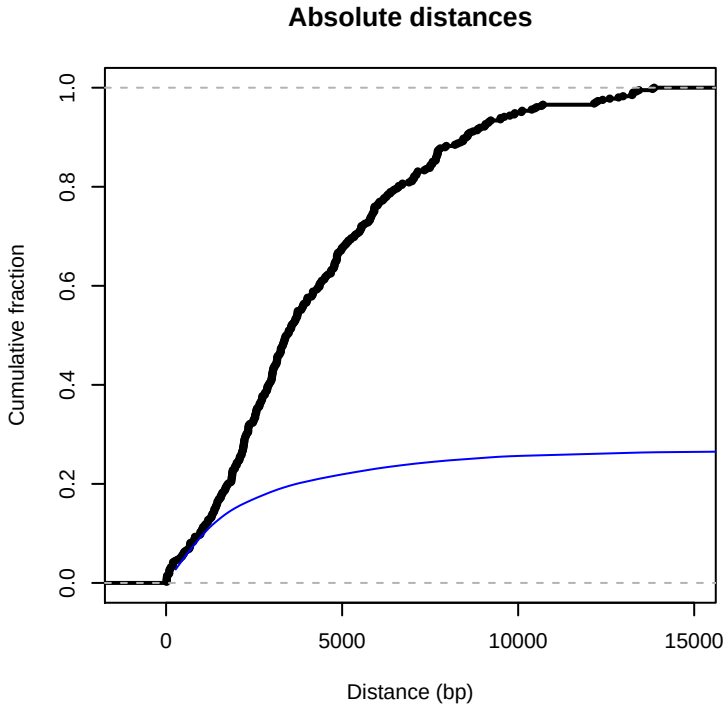
Query population : 476
Reference population : 165
Relative Ks p−value : 0.000376734
Relative ecdf deviation area : 0.0277262
Relative ecdf area correlation : −0.111081
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.17395e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.30705

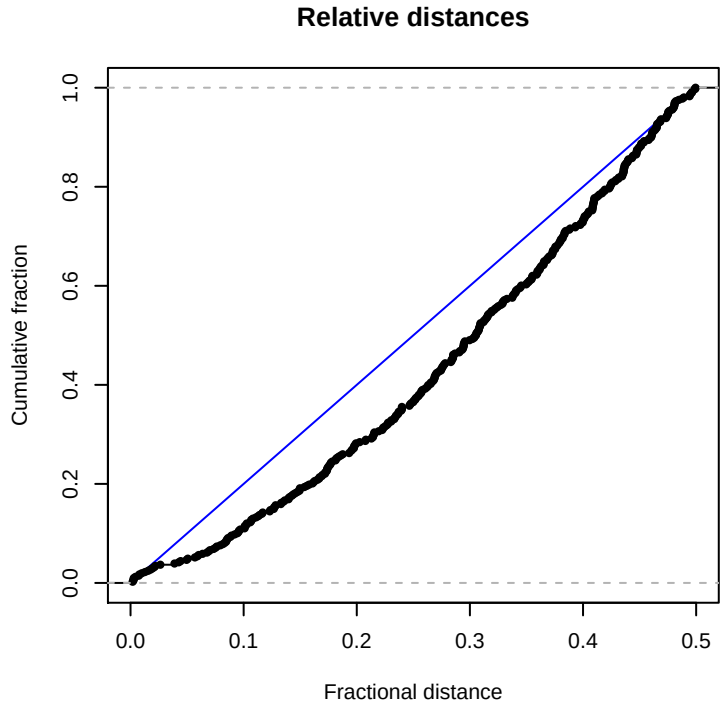




pcontig_042

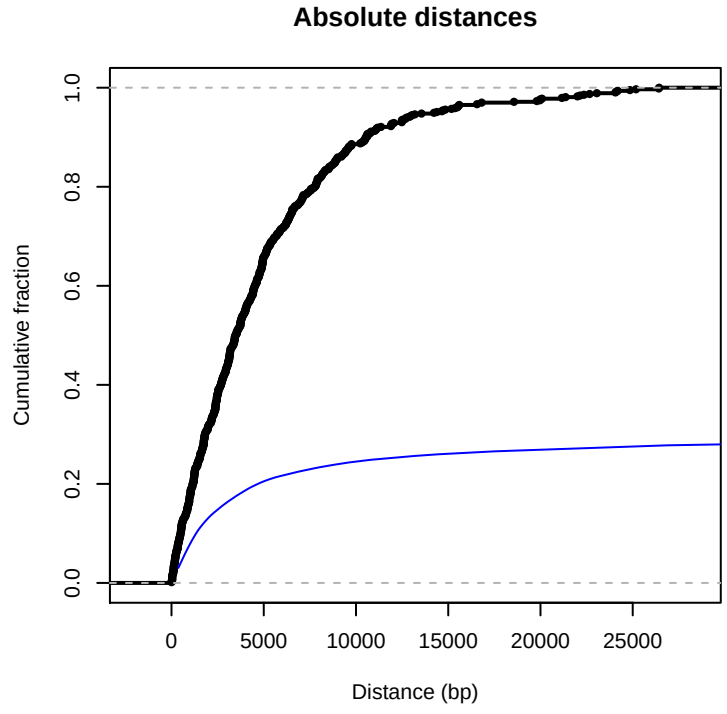
Query population : 408
Reference population : 154
Relative Ks p−value : 3.21718e−07
Relative ecdf deviation area : 0.0398087
Relative ecdf area correlation : −0.15934
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.15696
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.801578

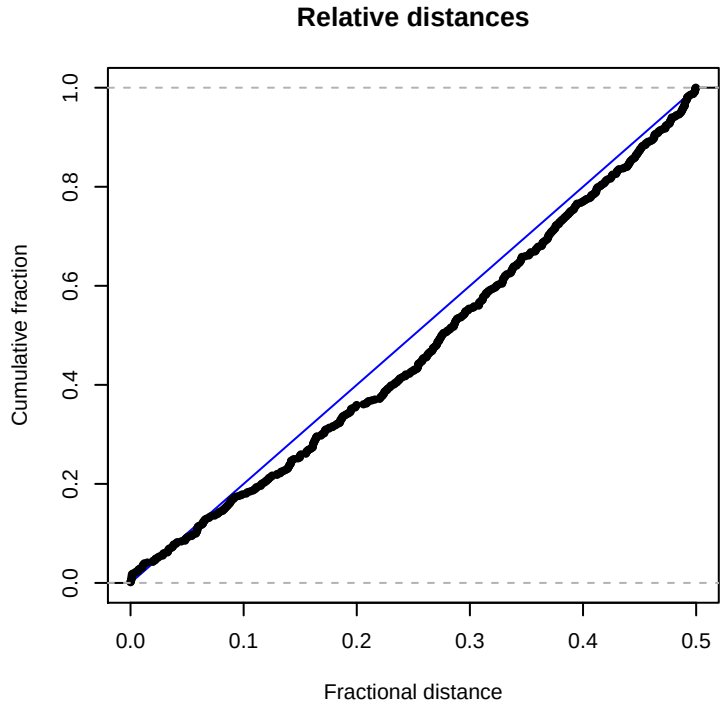




pcontig_043

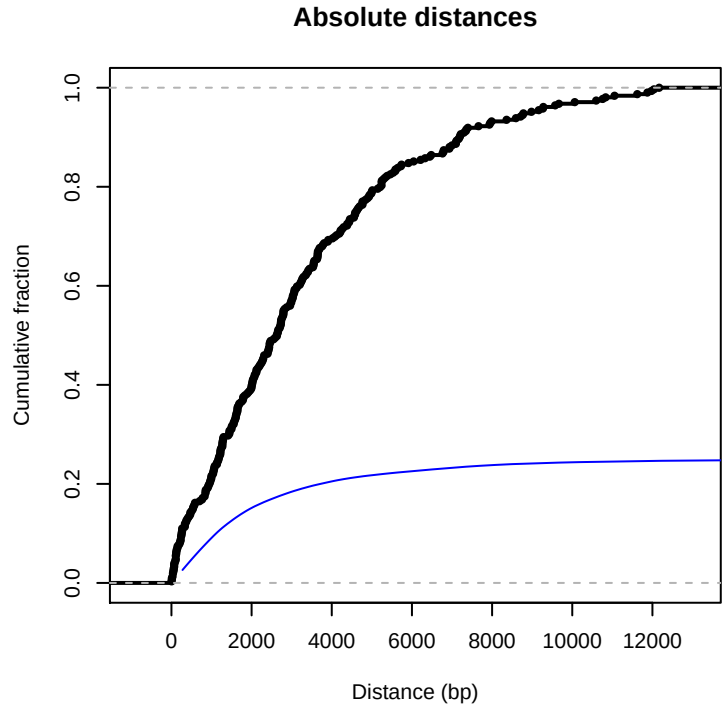
Query population : 632
Reference population : 125
Relative Ks p−value : 0.00150353
Relative ecdf deviation area : 0.0173374
Relative ecdf area correlation : −0.0684464
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.01037e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.01129

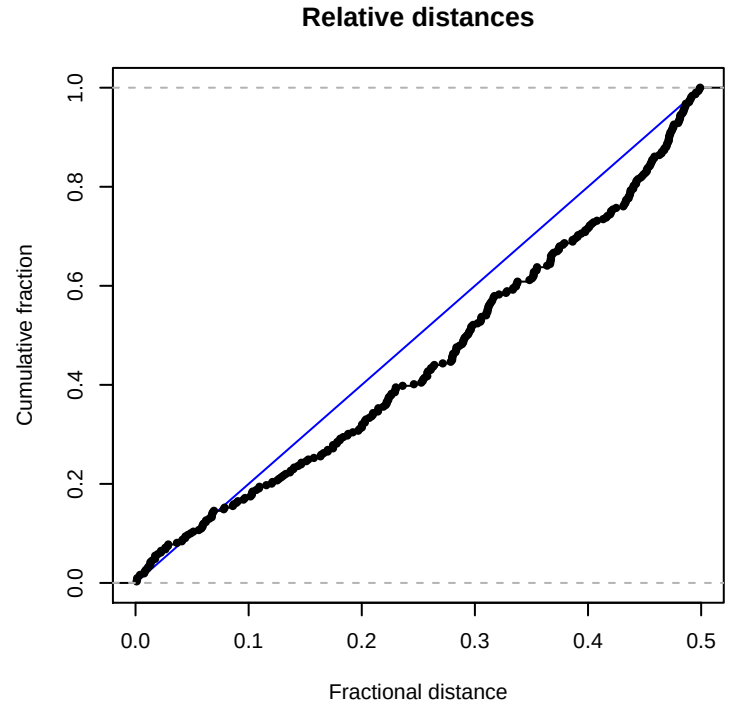




pcontig_044

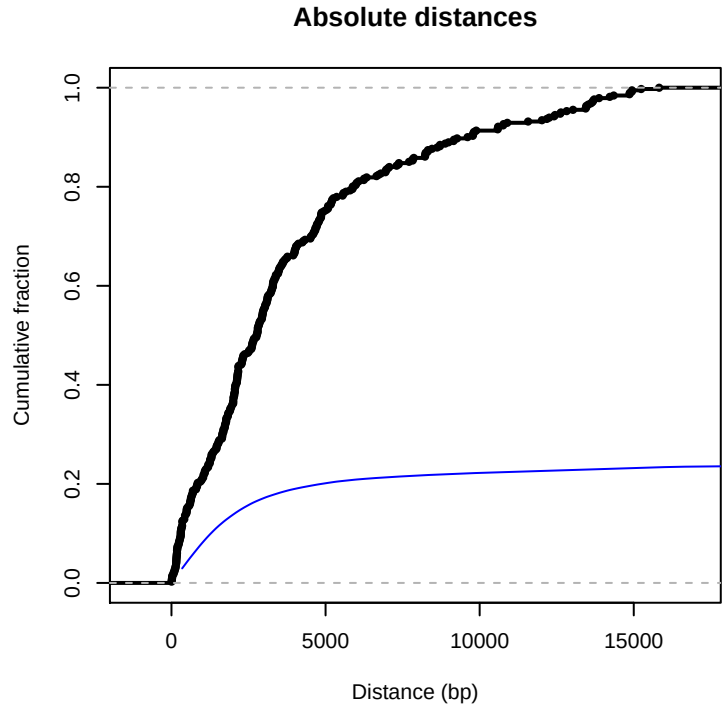
Query population : 309
Reference population : 146
Relative Ks p−value : 0.00065899
Relative ecdf deviation area : 0.0292041
Relative ecdf area correlation : −0.114334
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.98688e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.83616

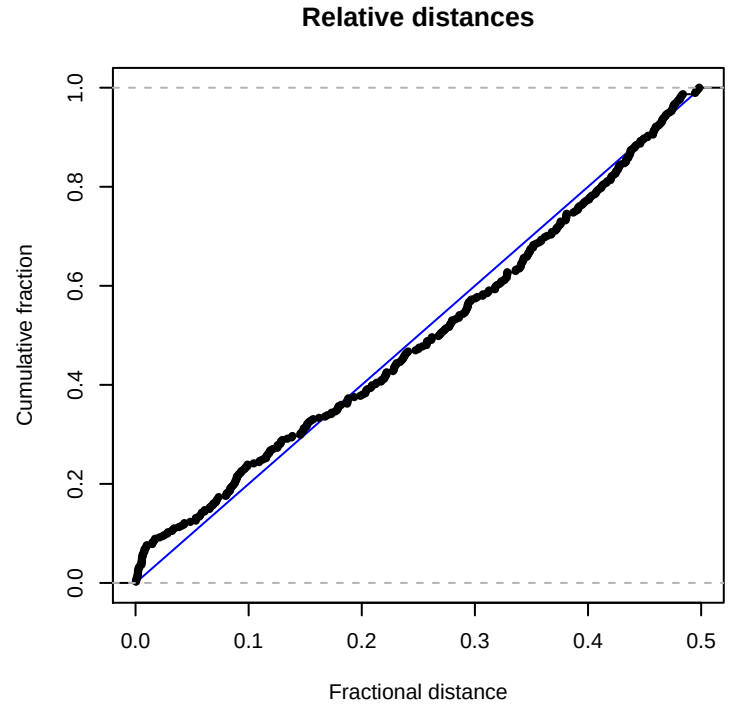




pcontig_045

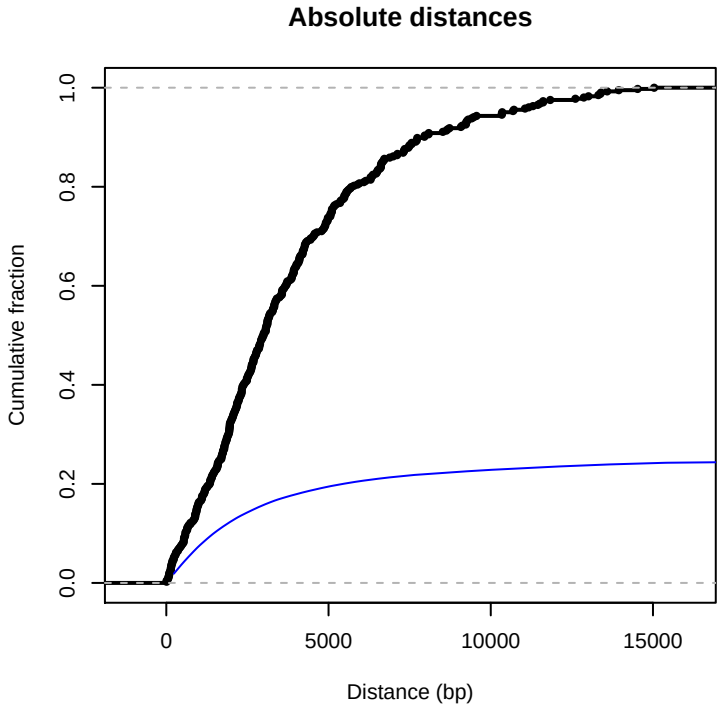
Query population : 381
Reference population : 130
Relative Ks p−value : 0.180536
Relative ecdf deviation area : 0.0118721
Relative ecdf area correlation : −0.00995771
Relative ecdf deviation area p−value : 0.08
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.48556e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.91255

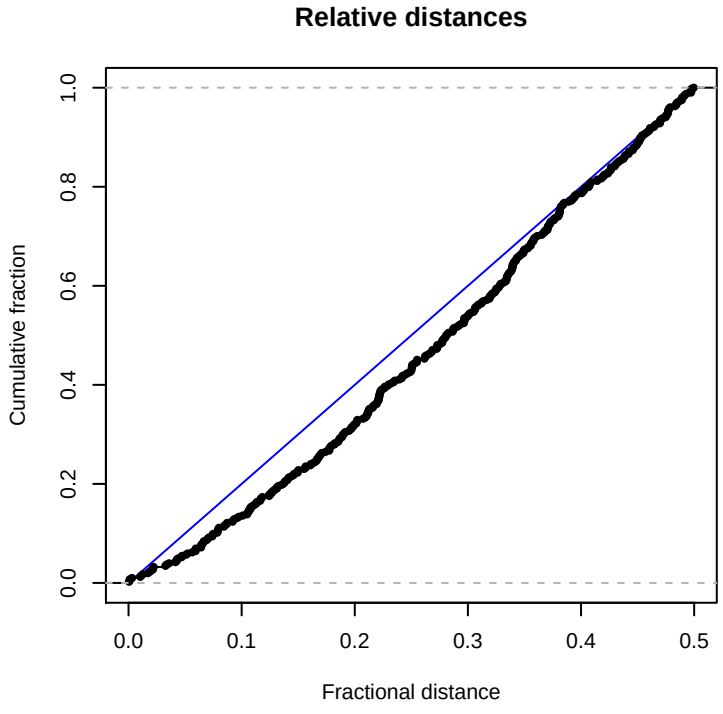




pcontig_046

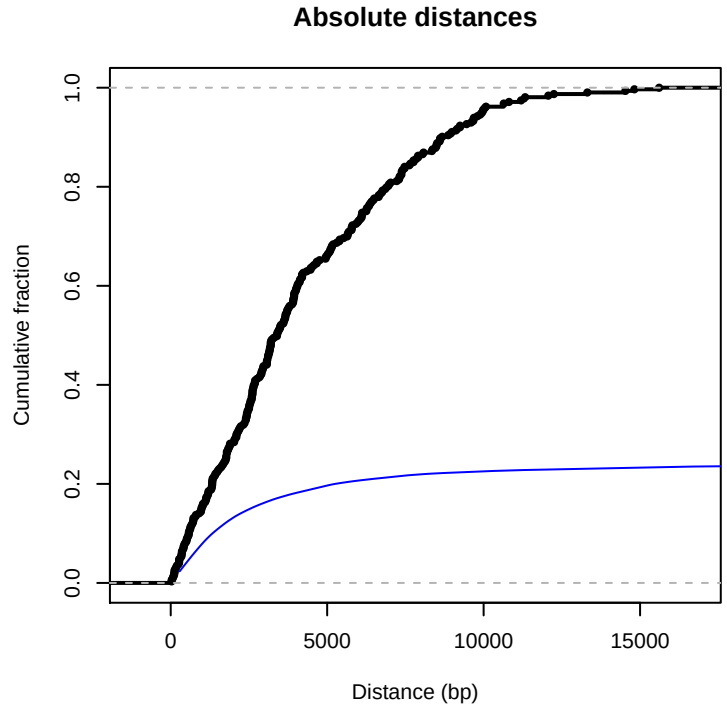
Query population : 404
Reference population : 123
Relative Ks p−value : 0.00292978
Relative ecdf deviation area : 0.0231228
Relative ecdf area correlation : −0.0921963
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0129351
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.47571

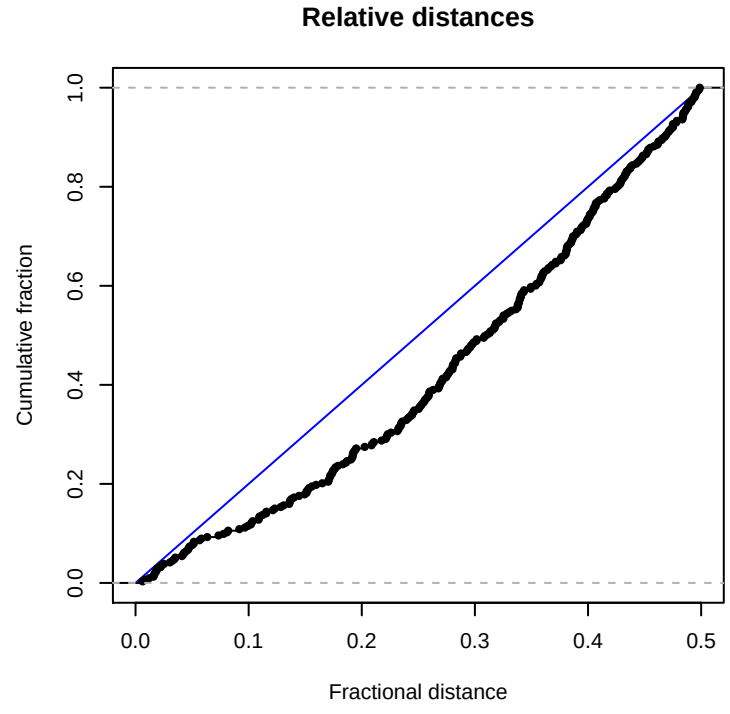




pcontig_047

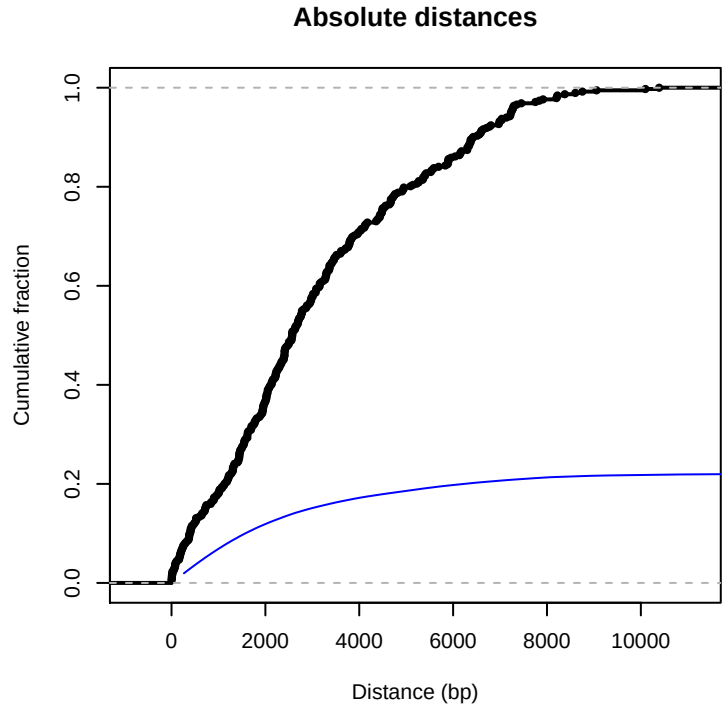
Query population : 313
Reference population : 126
Relative Ks p−value : 2.46407e−07
Relative ecdf deviation area : 0.0425812
Relative ecdf area correlation : −0.170839
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.1772
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.16535

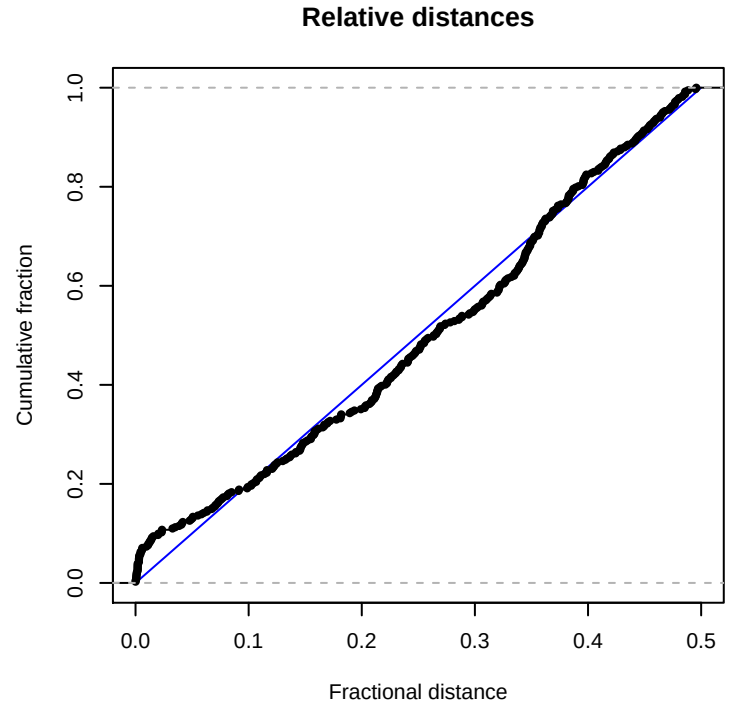




pcontig_048

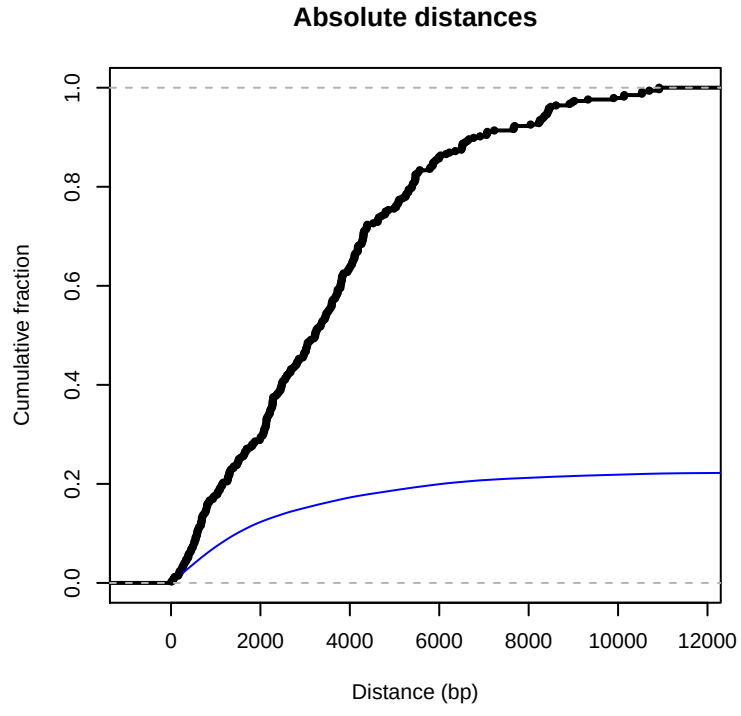
Query population : 382
Reference population : 113
Relative Ks p−value : 0.100694
Relative ecdf deviation area : 0.0129429
Relative ecdf area correlation : −0.0121836
Relative ecdf deviation area p−value : 0.05
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.82773e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.10714

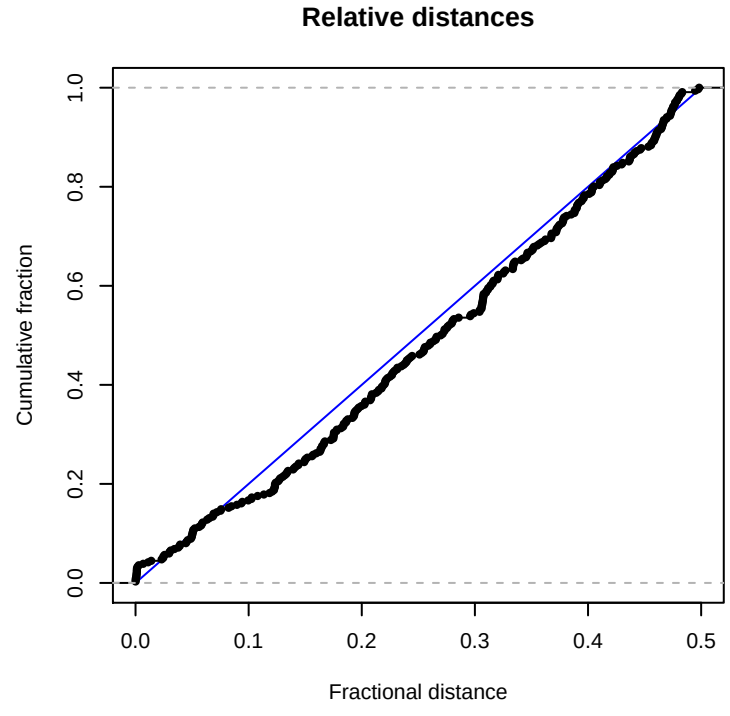




pcontig_049

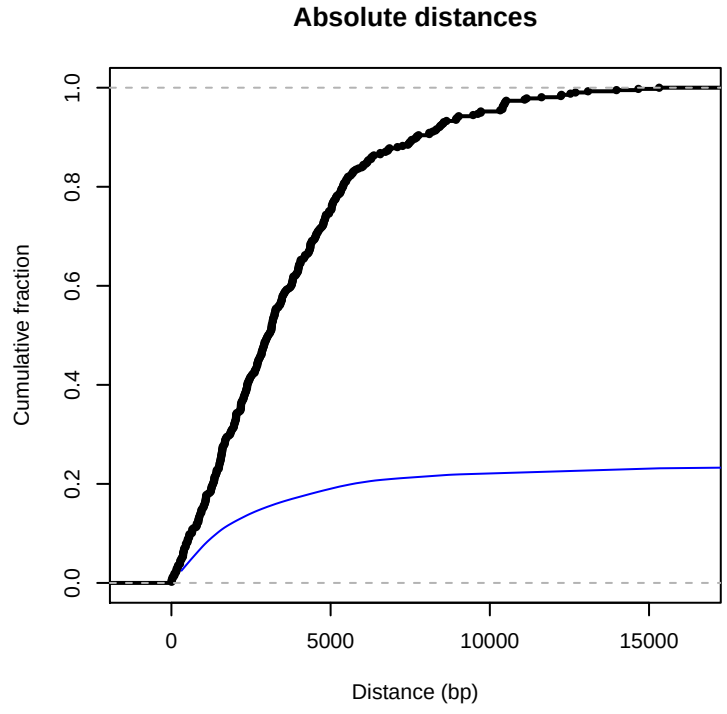
Query population : 336
Reference population : 118
Relative Ks p−value : 0.129226
Relative ecdf deviation area : 0.0141046
Relative ecdf area correlation : −0.0520224
Relative ecdf deviation area p−value : 0.11
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.228286
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.12952

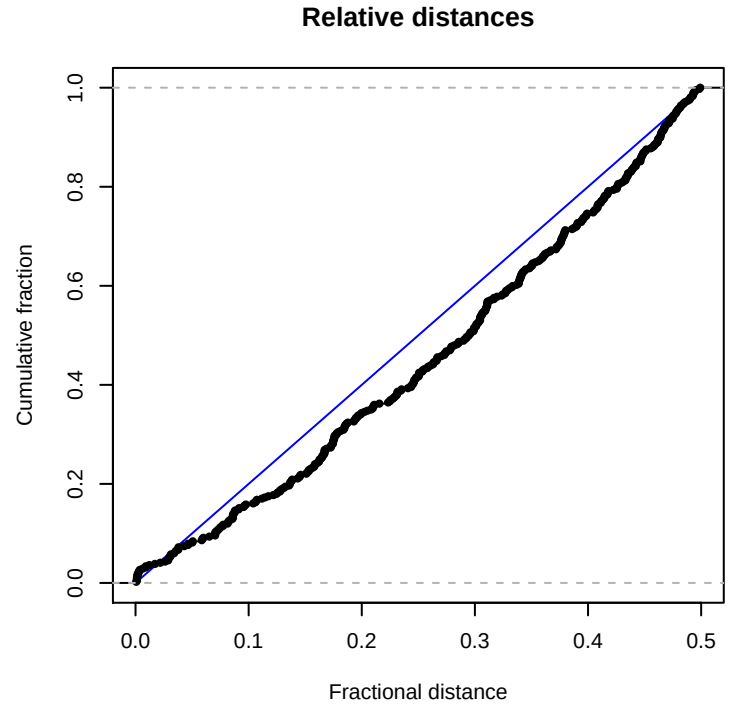




pcontig_050

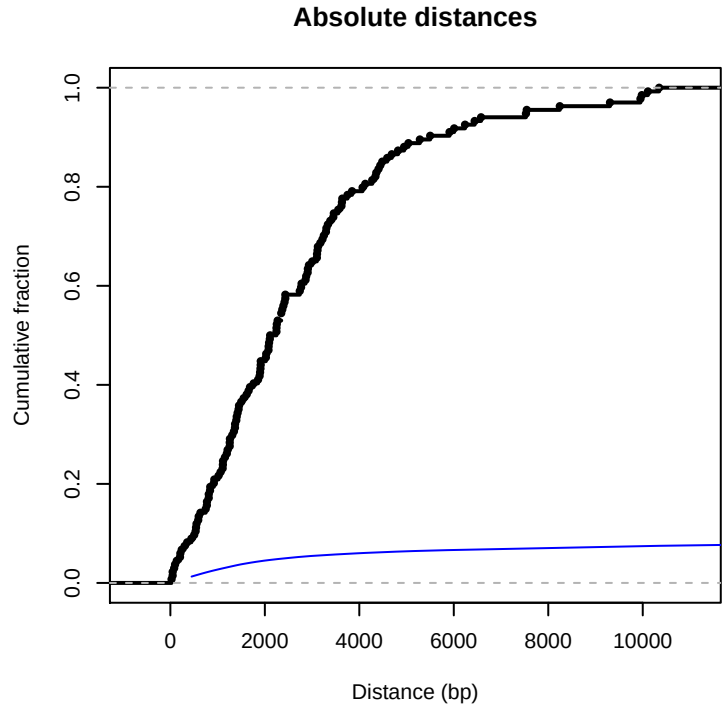
Query population : 417
Reference population : 120
Relative Ks p−value : 0.0013053
Relative ecdf deviation area : 0.0268839
Relative ecdf area correlation : −0.104574
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.200824
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.14193

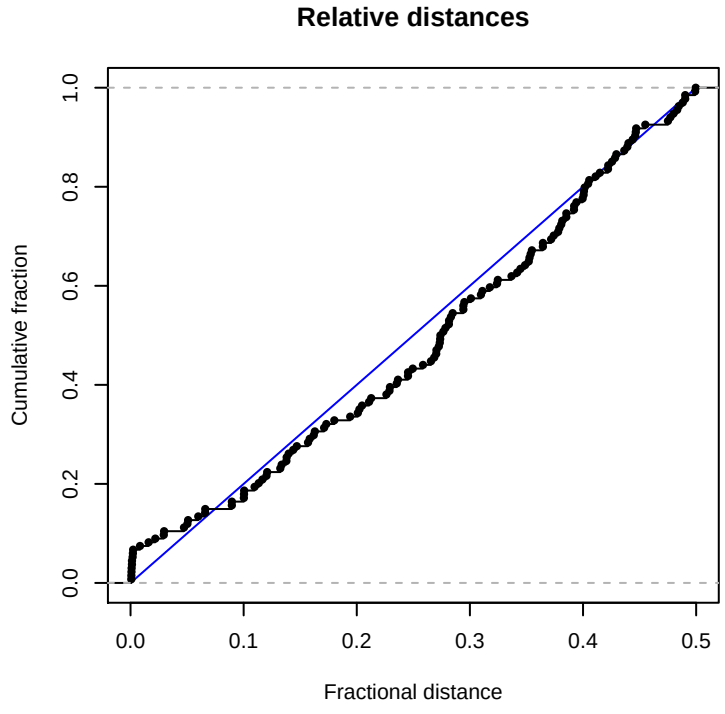




pcontig_051

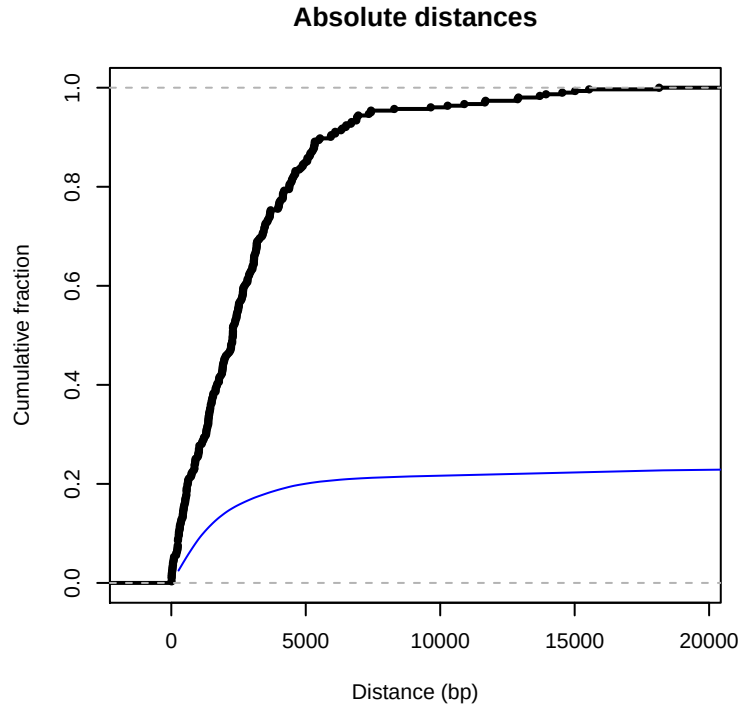
Query population : 134
Reference population : 44
Relative Ks p−value : 0.218584
Relative ecdf deviation area : 0.0173344
Relative ecdf area correlation : −0.0501005
Relative ecdf deviation area p−value : 0.17
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.18462e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.27618

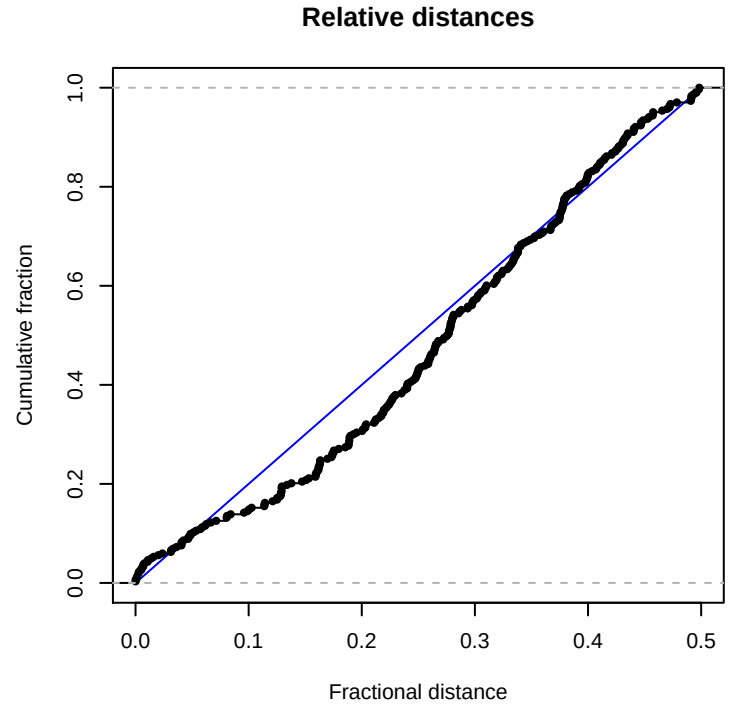




pcontig_052

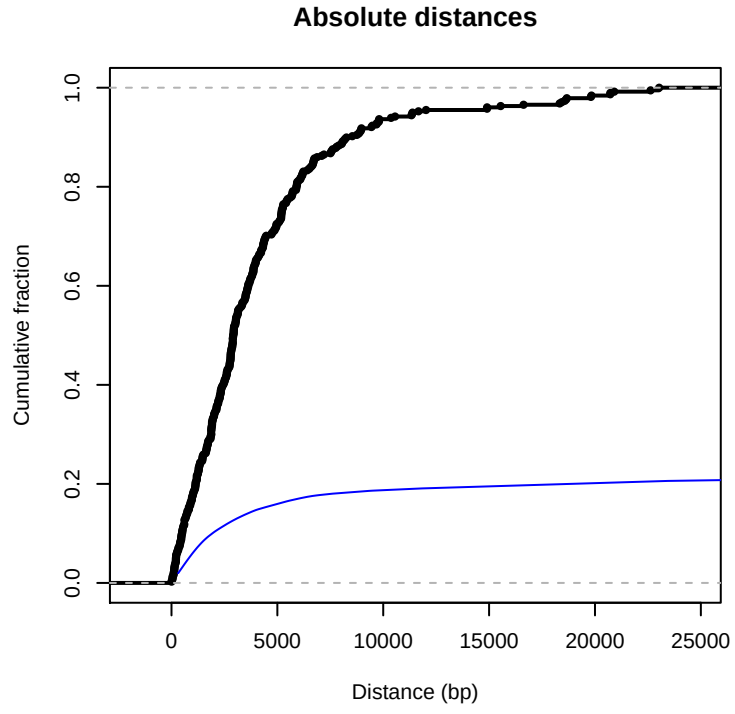
Query population : 303
Reference population : 143
Relative Ks p−value : 0.00199785
Relative ecdf deviation area : 0.0204831
Relative ecdf area correlation : −0.0600612
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.34062e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.52001

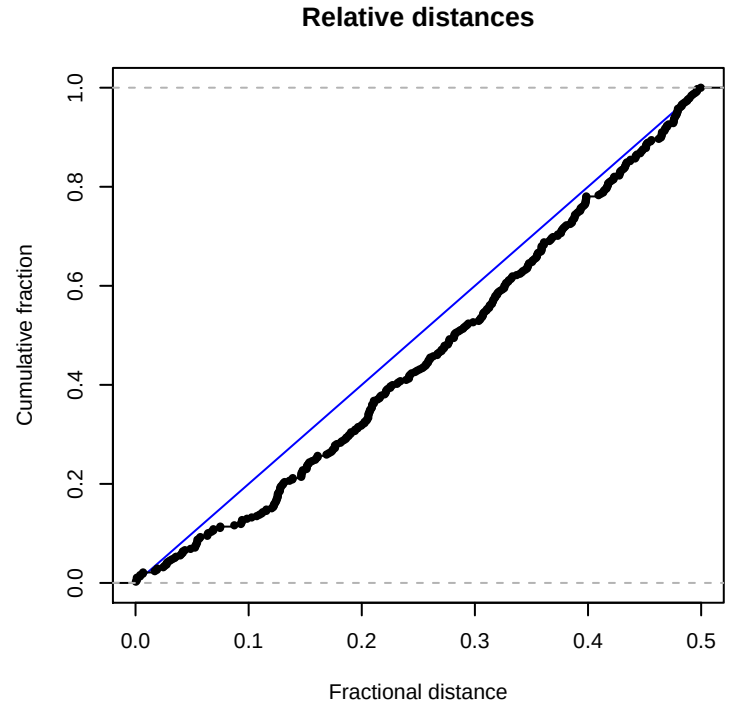




pcontig_054

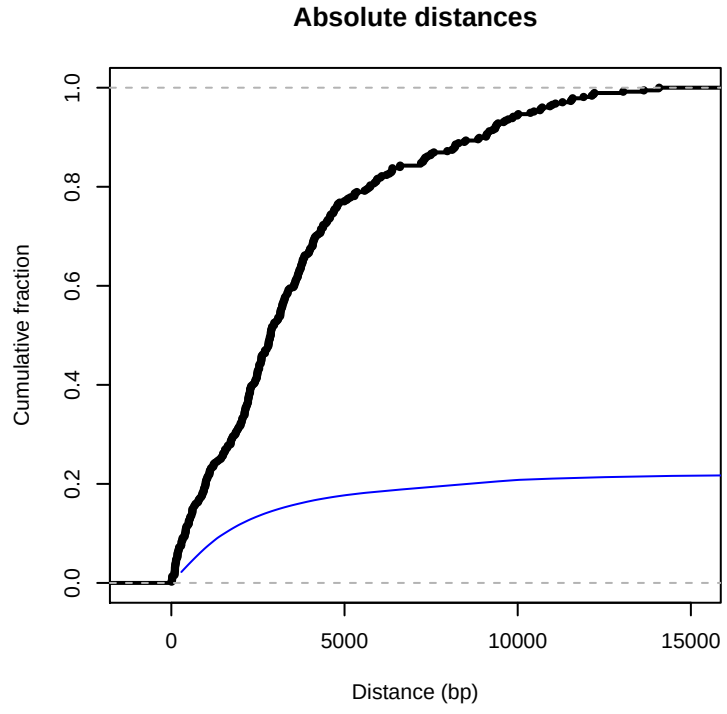
Query population : 378
Reference population : 96
Relative Ks p−value : 0.00299874
Relative ecdf deviation area : 0.0246853
Relative ecdf area correlation : −0.0976089
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.09413e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.15458

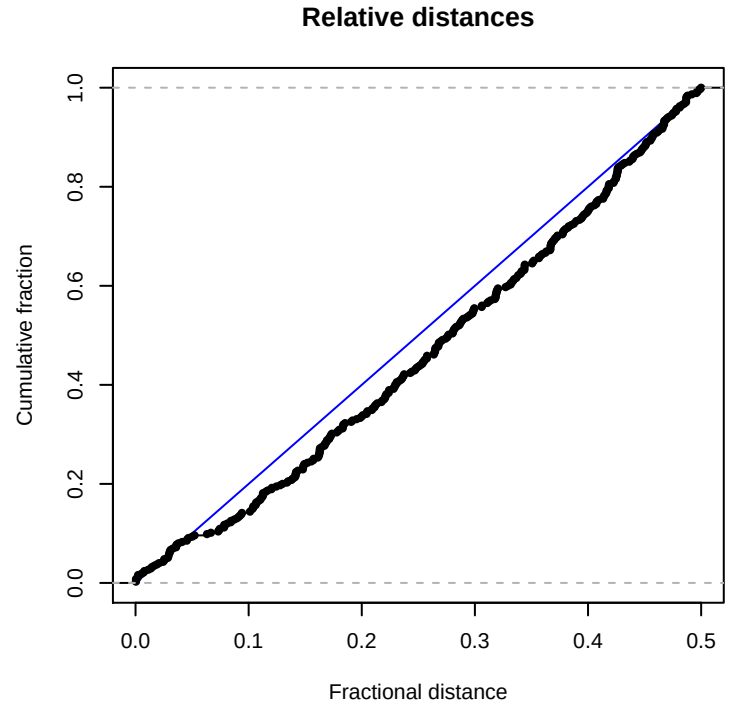




pcontig_055

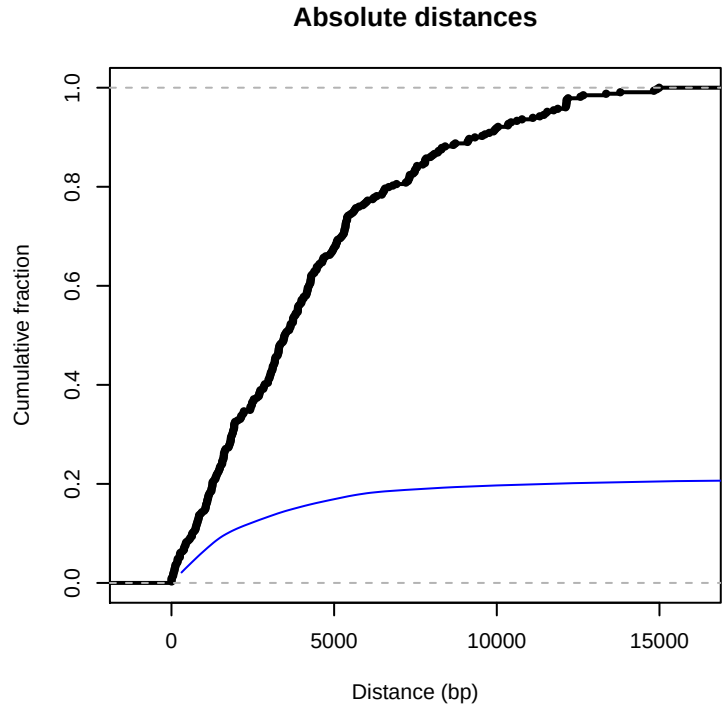
Query population : 375
Reference population : 117
Relative Ks p−value : 0.0409281
Relative ecdf deviation area : 0.0214139
Relative ecdf area correlation : −0.0841215
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.72936e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.98084

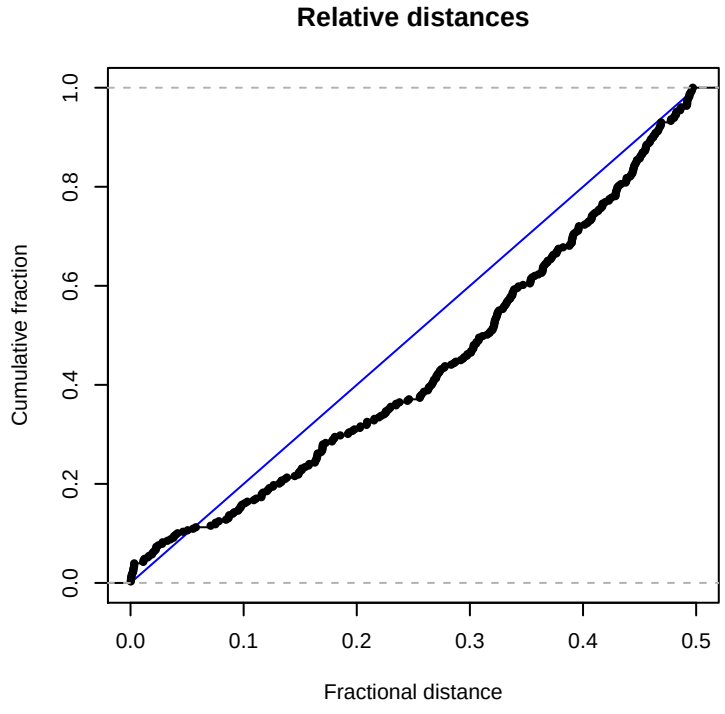




pcontig_056

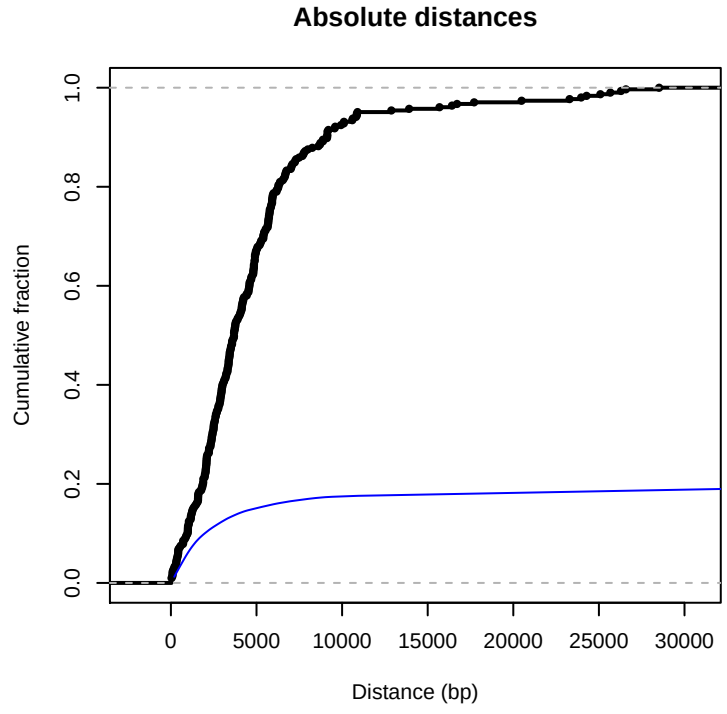
Query population : 329
Reference population : 105
Relative Ks p−value : 4.47676e−06
Relative ecdf deviation area : 0.0355788
Relative ecdf area correlation : −0.134615
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000248442
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.92752

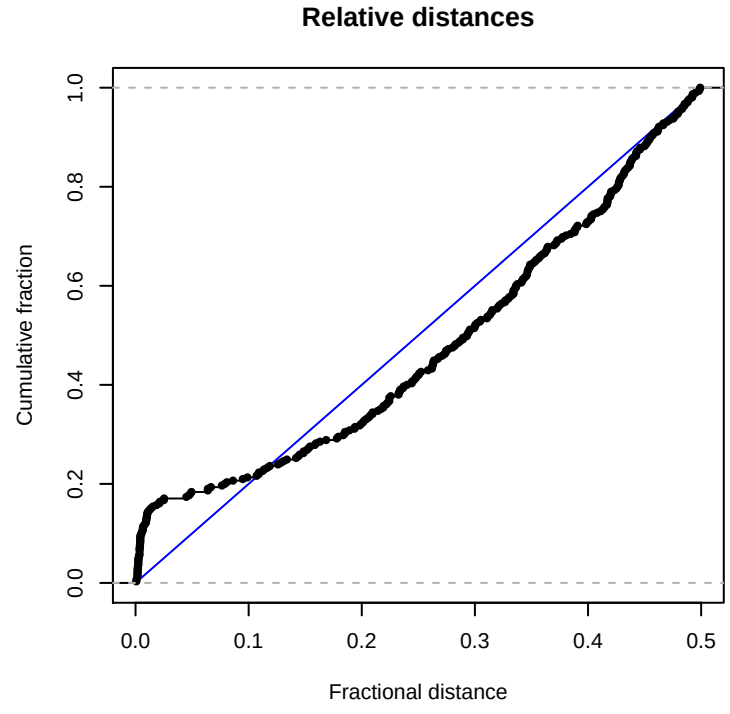




pcontig_057

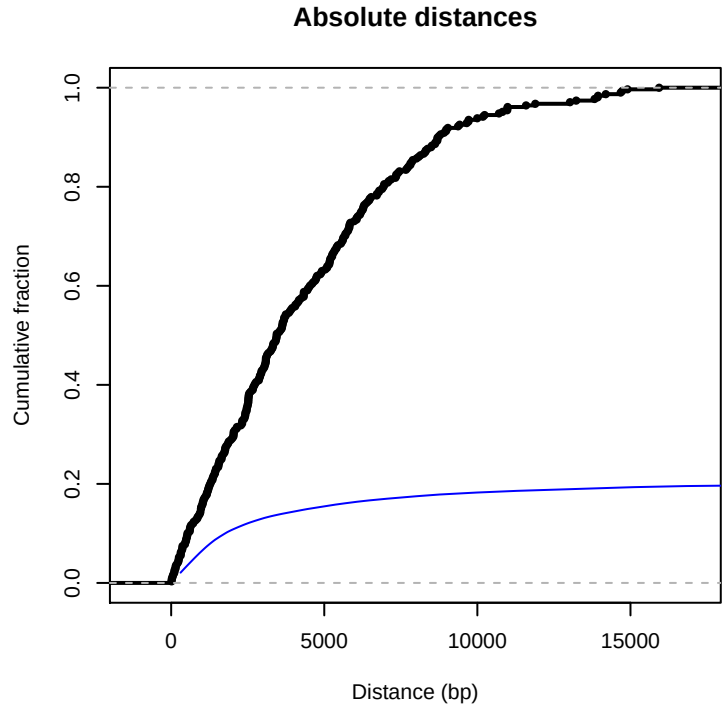
Query population : 305
Reference population : 98
Relative Ks p−value : 0.000181589
Relative ecdf deviation area : 0.0290753
Relative ecdf area correlation : −0.0585295
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.259517
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.12239

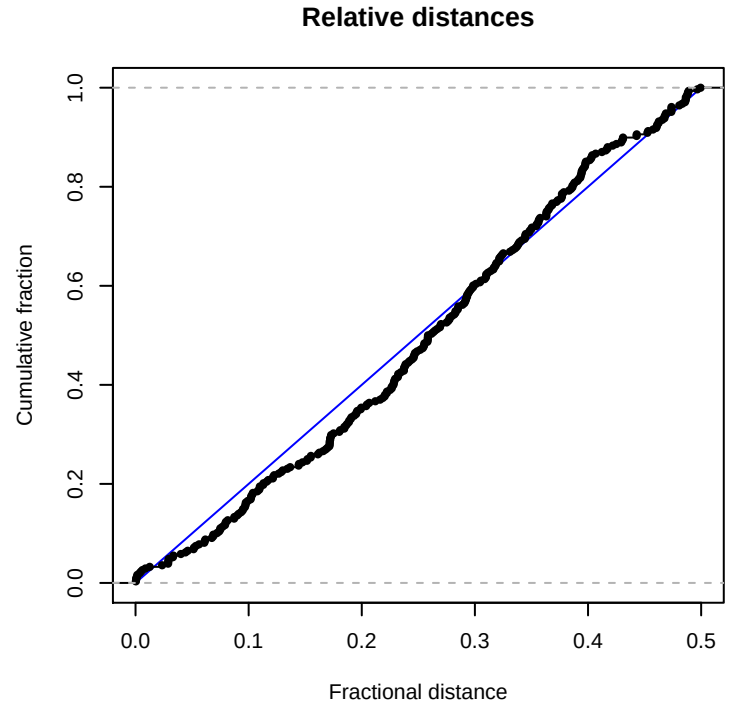




pcontig_058

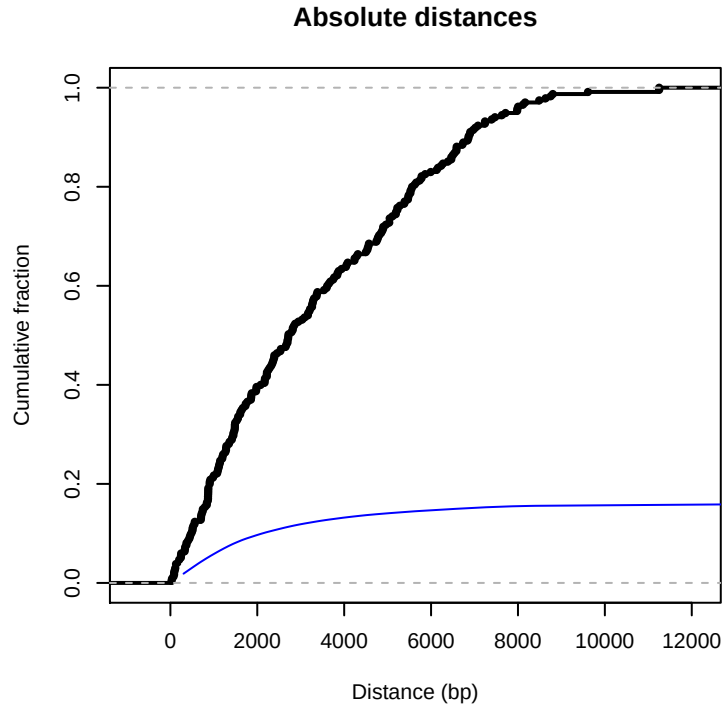
Query population : 308
Reference population : 104
Relative Ks p−value : 0.098391
Relative ecdf deviation area : 0.0144104
Relative ecdf area correlation : −0.0291676
Relative ecdf deviation area p−value : 0.0600000000000001
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0213151
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.48659

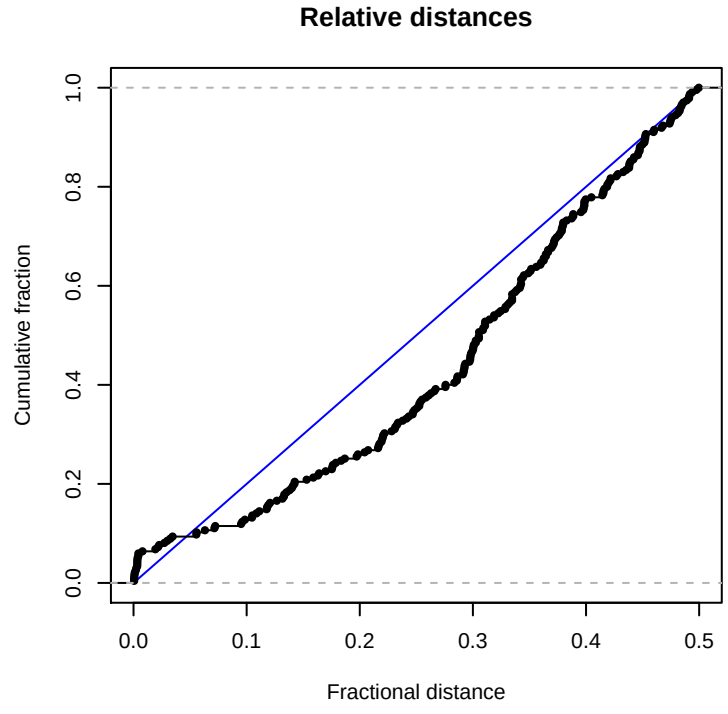




pcontig_059

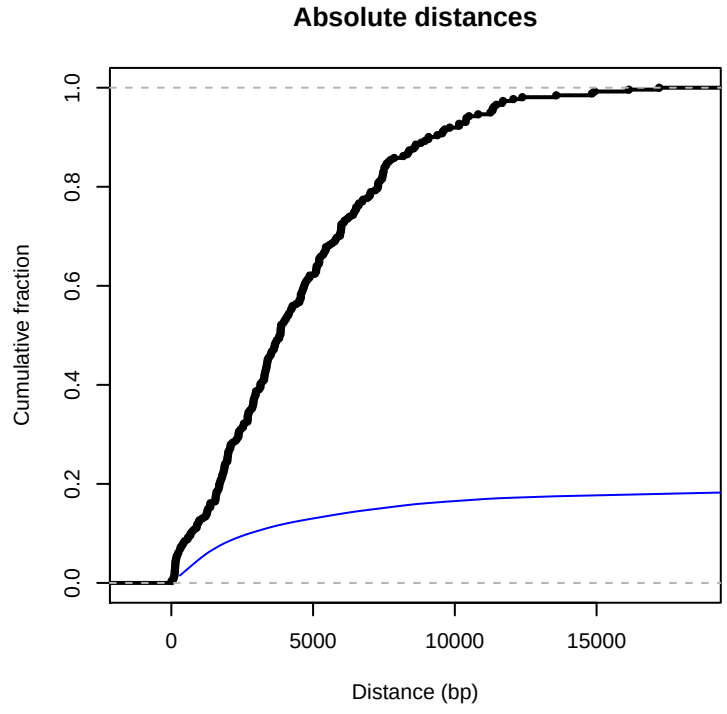
Query population : 235
Reference population : 95
Relative Ks p−value : 3.866e−06
Relative ecdf deviation area : 0.0385145
Relative ecdf area correlation : −0.143673
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000320135
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.05347

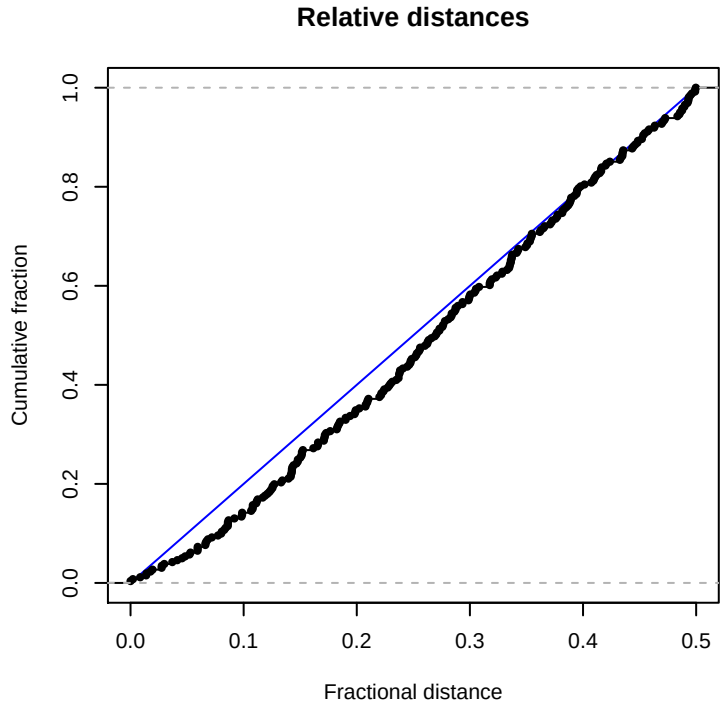




pcontig_060

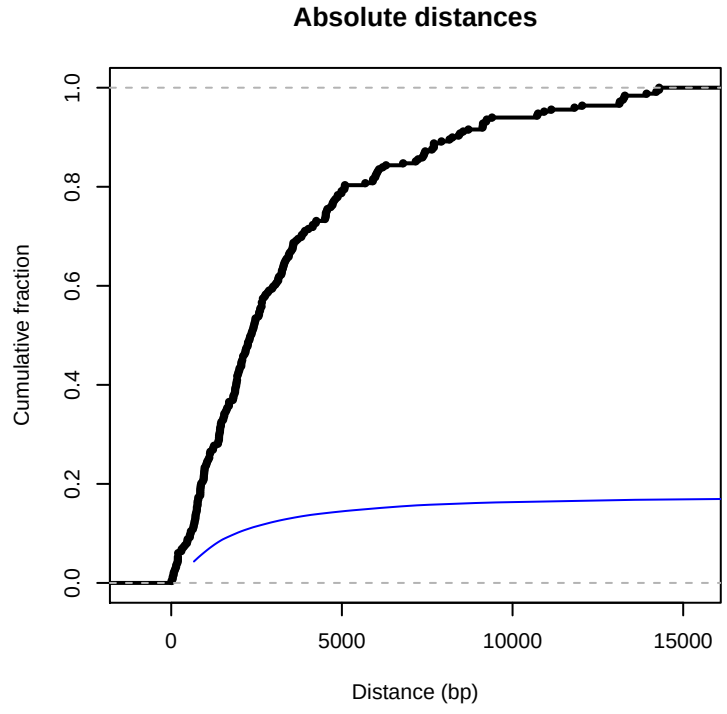
Query population : 261
Reference population : 76
Relative Ks p−value : 0.13002
Relative ecdf deviation area : 0.016439
Relative ecdf area correlation : −0.0668007
Relative ecdf deviation area p−value : 0.11
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00296762
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.80154

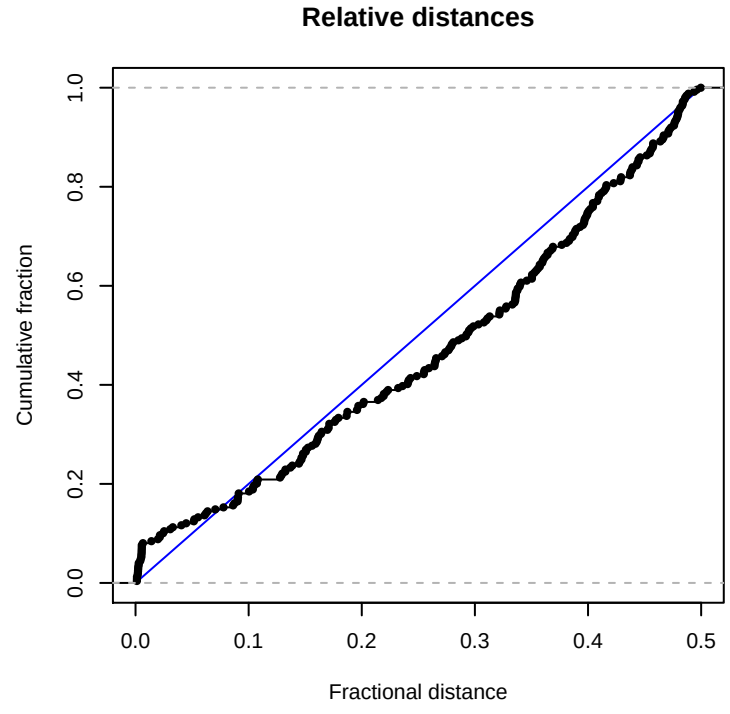




pcontig_062

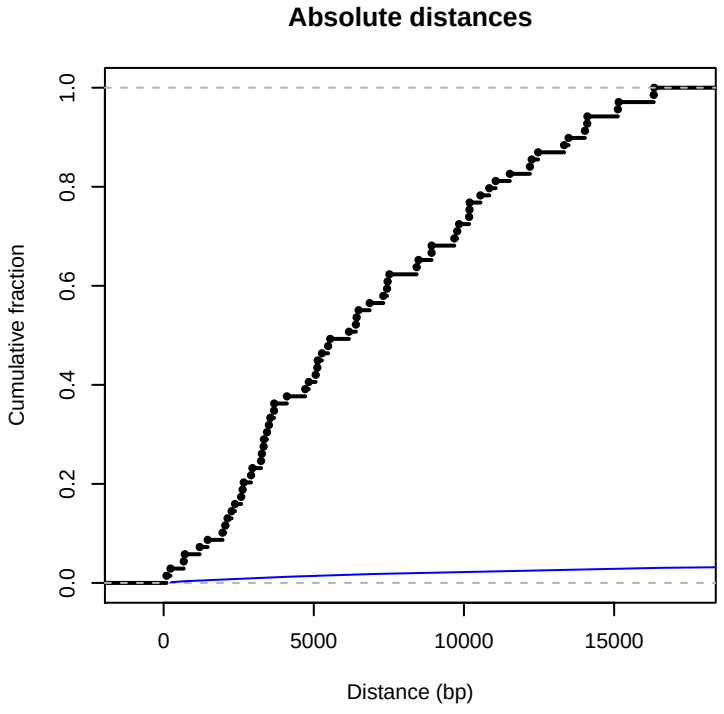
Query population : 249
Reference population : 100
Relative Ks p−value : 0.0060864
Relative ecdf deviation area : 0.025162
Relative ecdf area correlation : −0.0792919
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.8055e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.23005

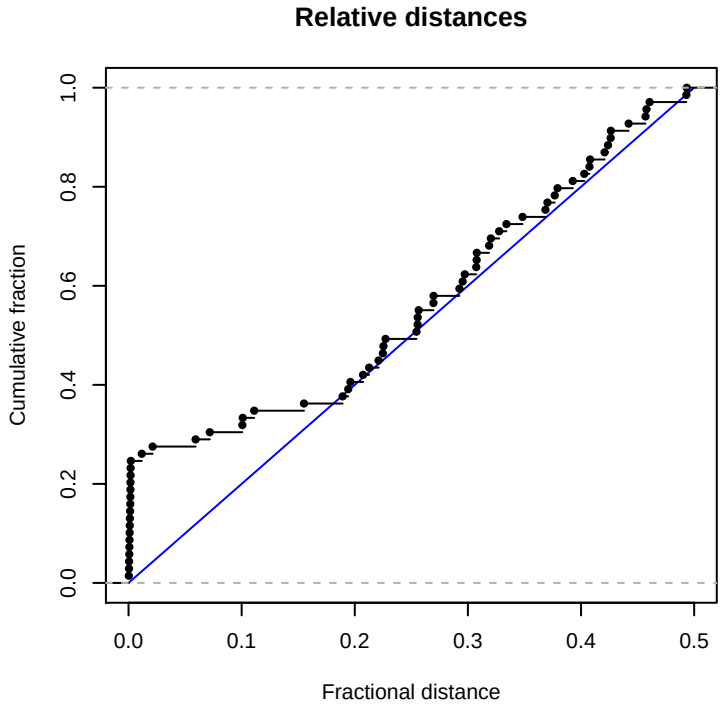




pcontig_063

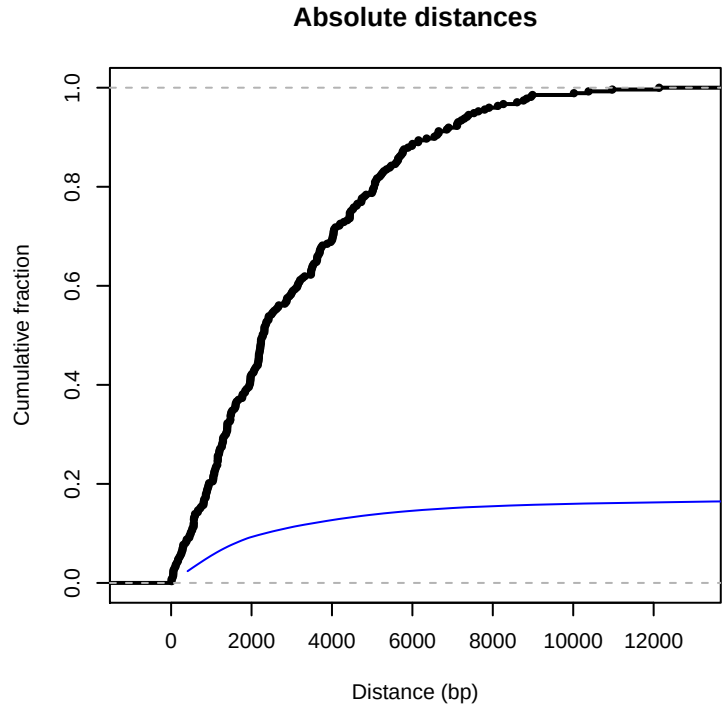
Query population : 69
Reference population : 9
Relative Ks p−value : 0.000474267
Relative ecdf deviation area : 0.0312248
Relative ecdf area correlation : 0.120225
Relative ecdf deviation area p−value : 0.09
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.73315e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.6607

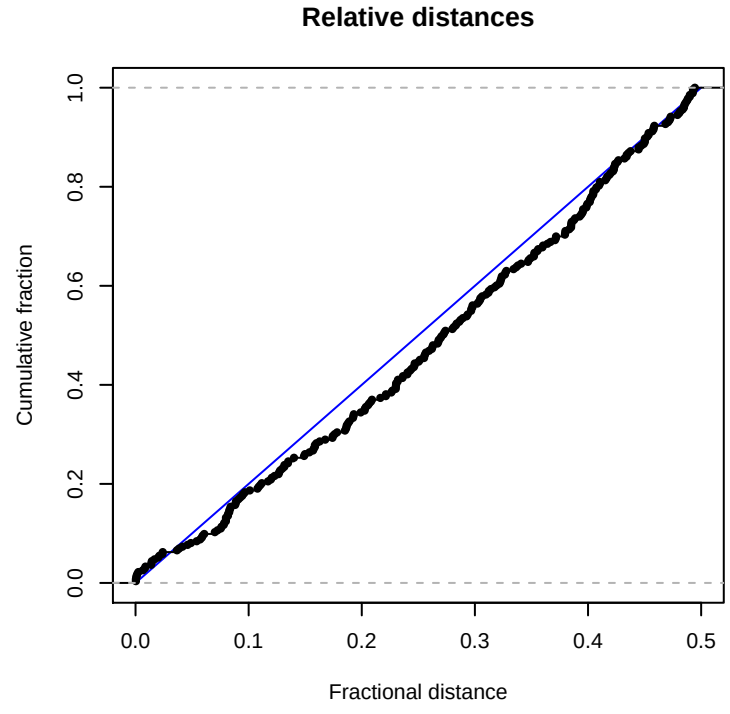




pcontig_064

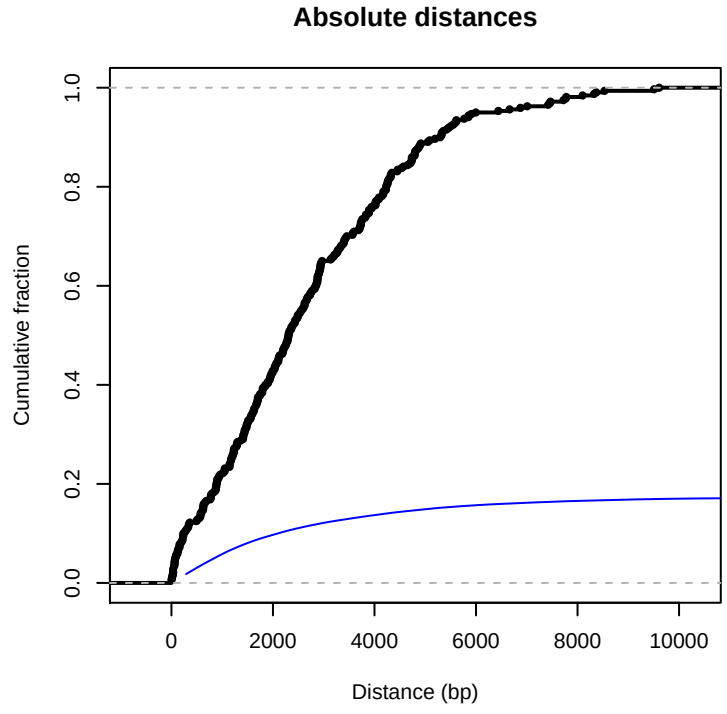
Query population : 273
Reference population : 89
Relative Ks p−value : 0.120429
Relative ecdf deviation area : 0.0163454
Relative ecdf area correlation : −0.062824
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.72995e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.44337

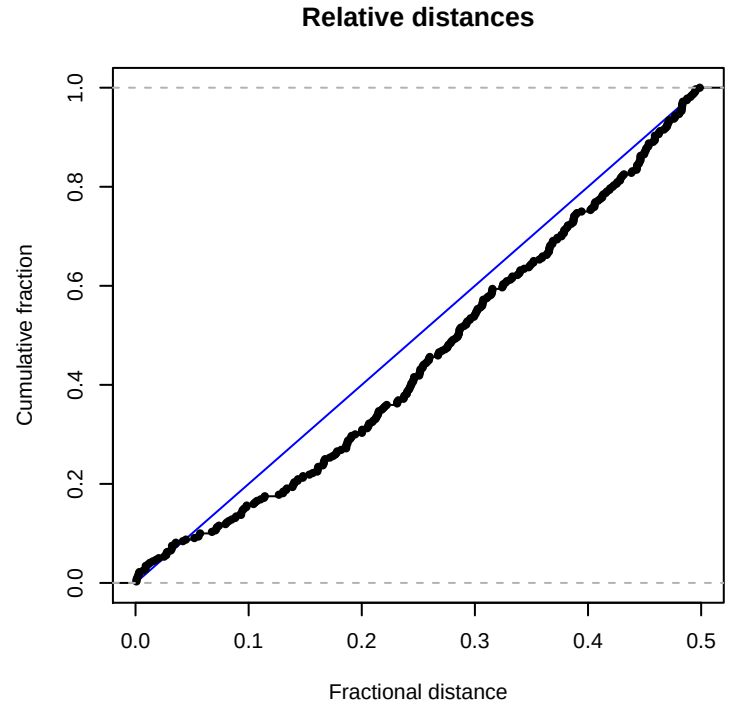




pcontig_065

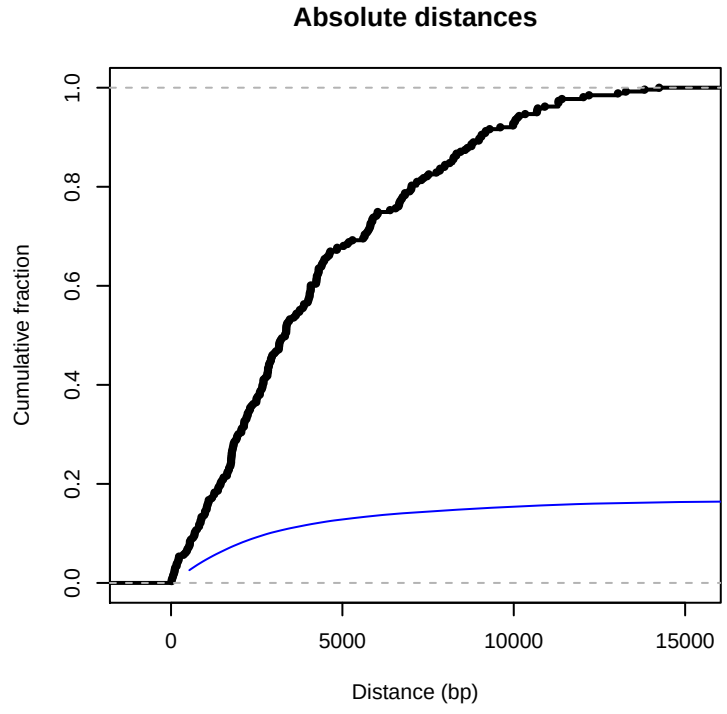
Query population : 320
Reference population : 95
Relative Ks p−value : 0.00172371
Relative ecdf deviation area : 0.0264379
Relative ecdf area correlation : −0.102655
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.37492e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.83709

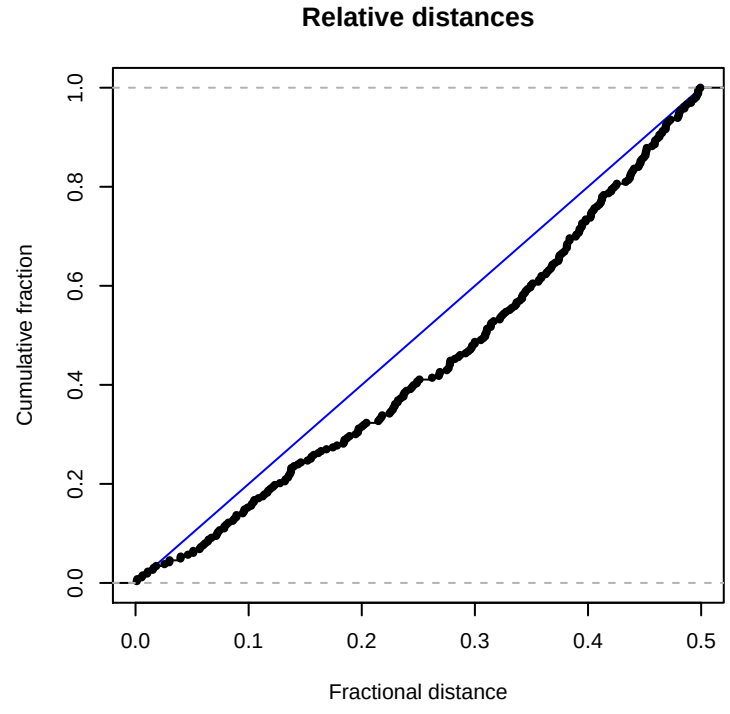




pcontig_066

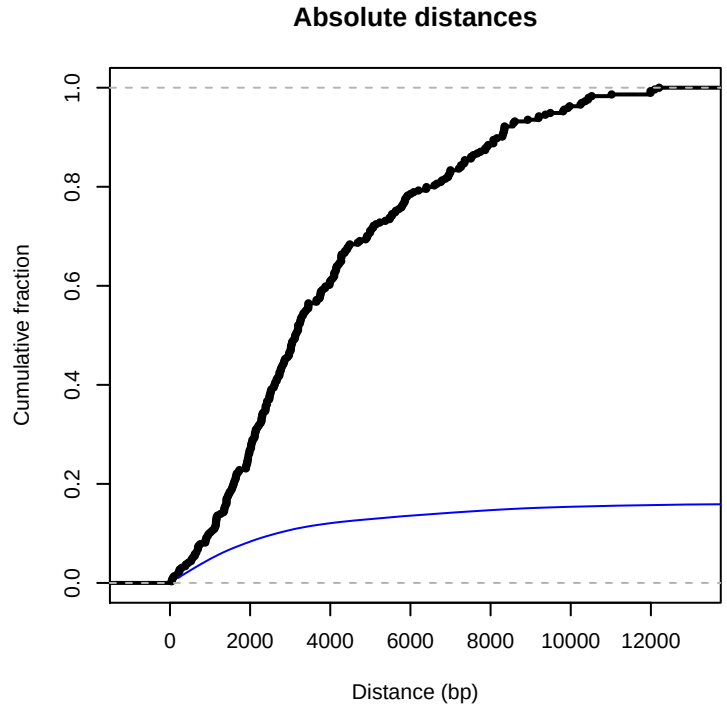
Query population : 263
Reference population : 74
Relative Ks p−value : 0.000586955
Relative ecdf deviation area : 0.0335828
Relative ecdf area correlation : −0.134112
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00142207
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.11029

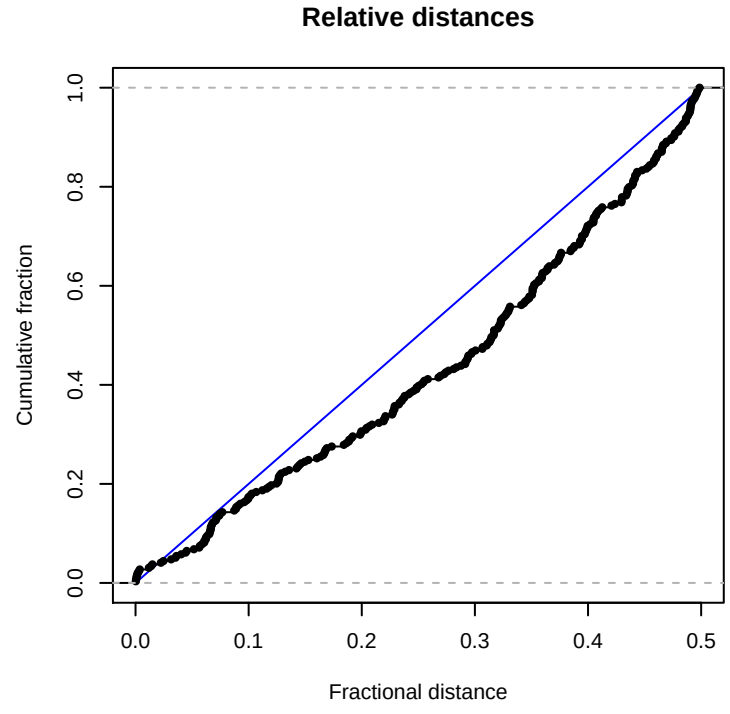




pcontig_067

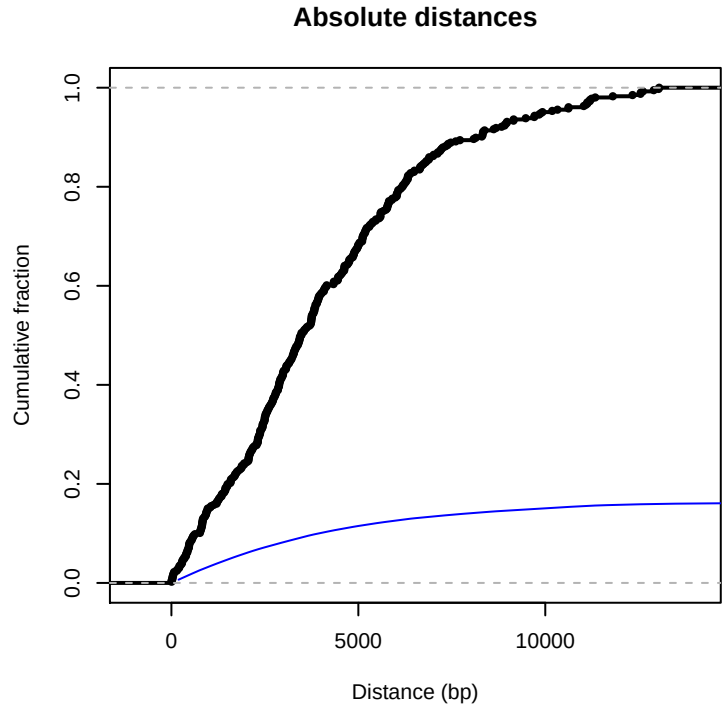
Query population : 294
Reference population : 78
Relative Ks p−value : 9.004e−06
Relative ecdf deviation area : 0.0367911
Relative ecdf area correlation : −0.145941
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.206041
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.19249

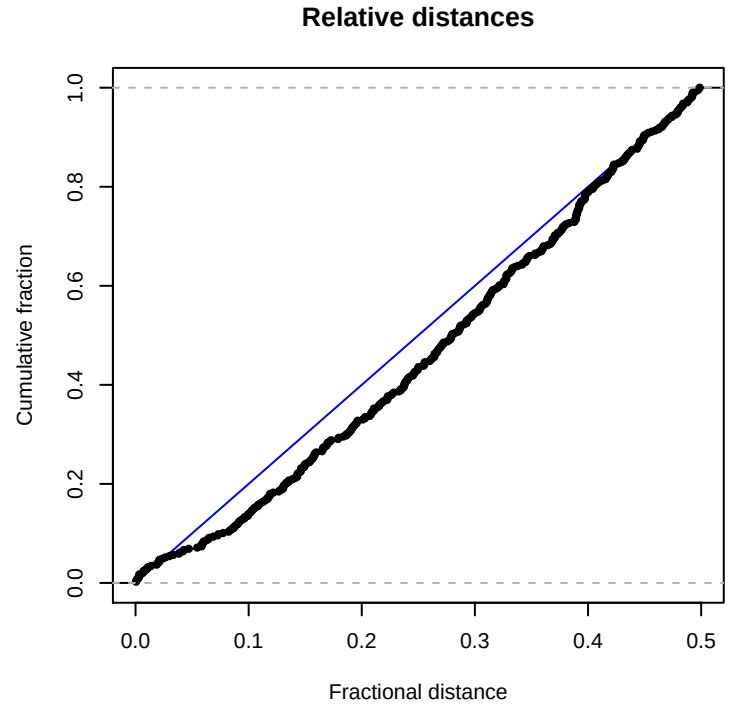




pcontig_068

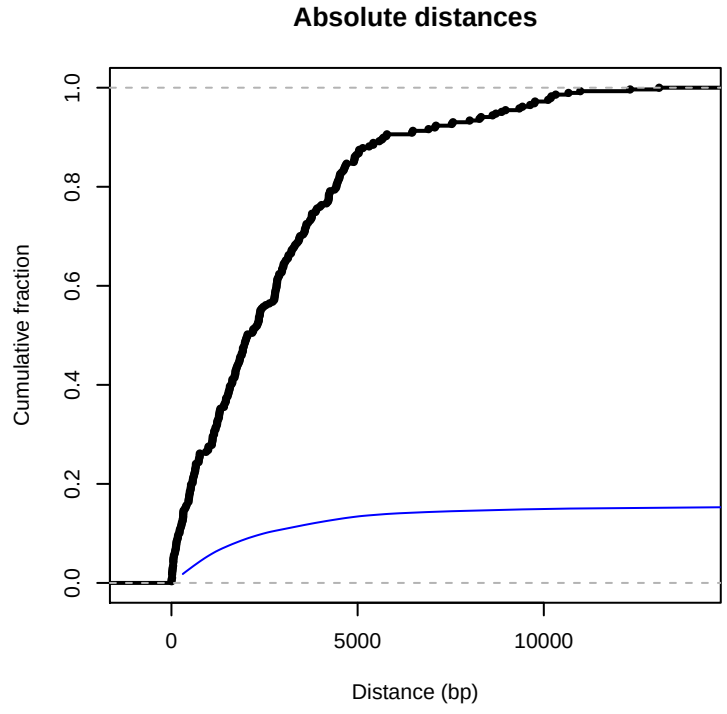
Query population : 406
Reference population : 53
Relative Ks p−value : 0.00790455
Relative ecdf deviation area : 0.0215094
Relative ecdf area correlation : −0.0845602
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.21228e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.2366

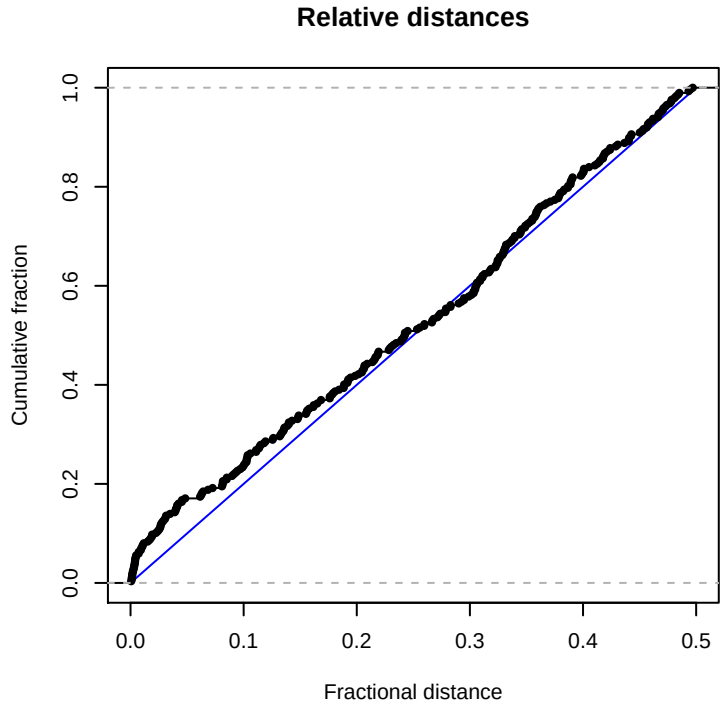




pcontig_069

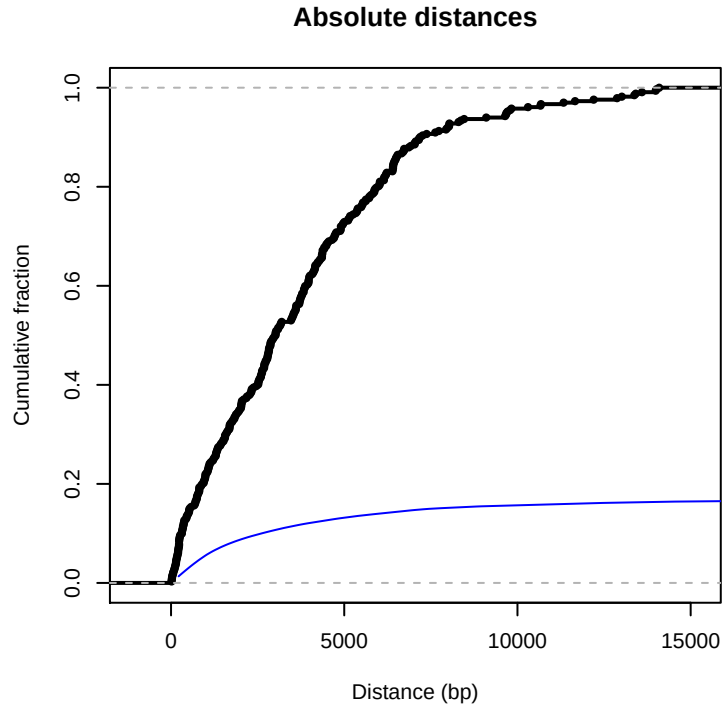
Query population : 287
Reference population : 91
Relative Ks p−value : 0.070517
Relative ecdf deviation area : 0.0135361
Relative ecdf area correlation : 0.0471349
Relative ecdf deviation area p−value : 0.16
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.38128

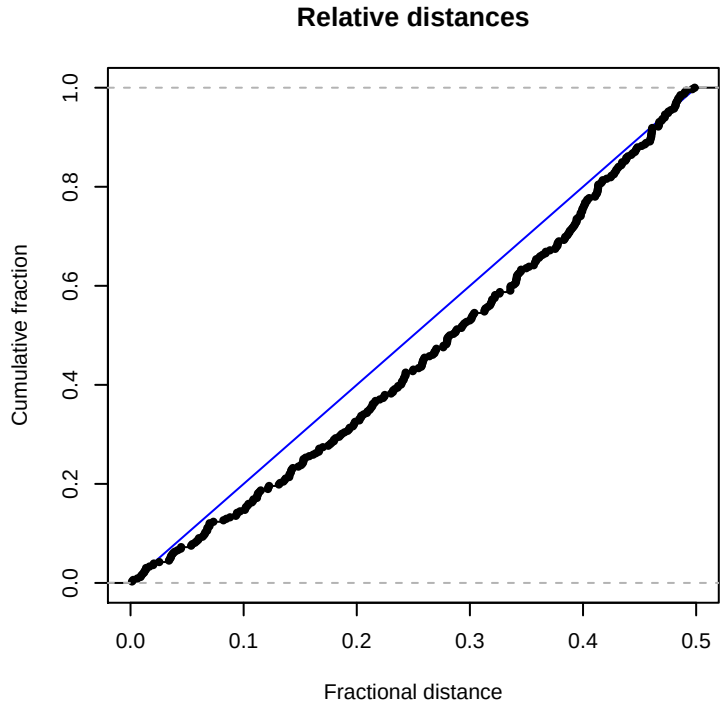




pcontig_070

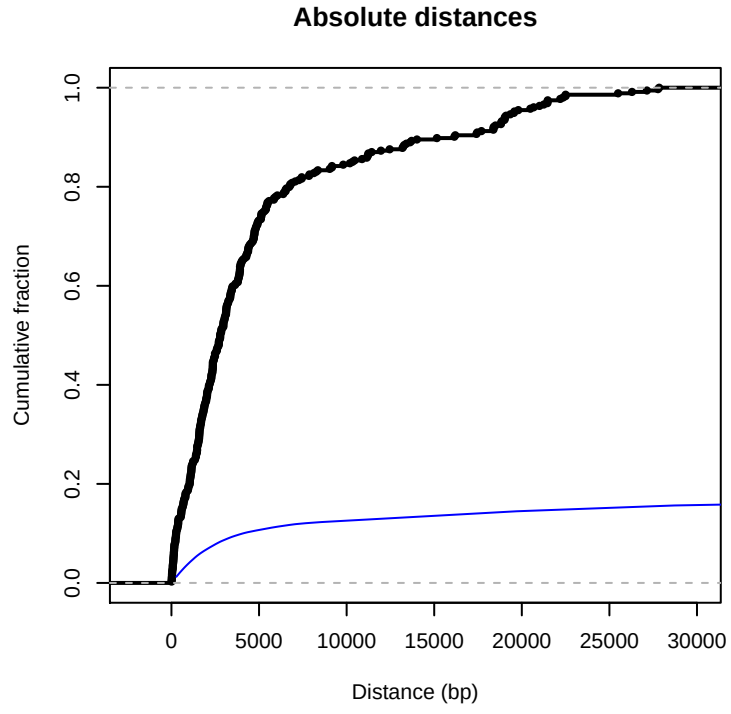
Query population : 332
Reference population : 94
Relative Ks p−value : 0.0182589
Relative ecdf deviation area : 0.0250638
Relative ecdf area correlation : −0.0984616
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.76406e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.41436

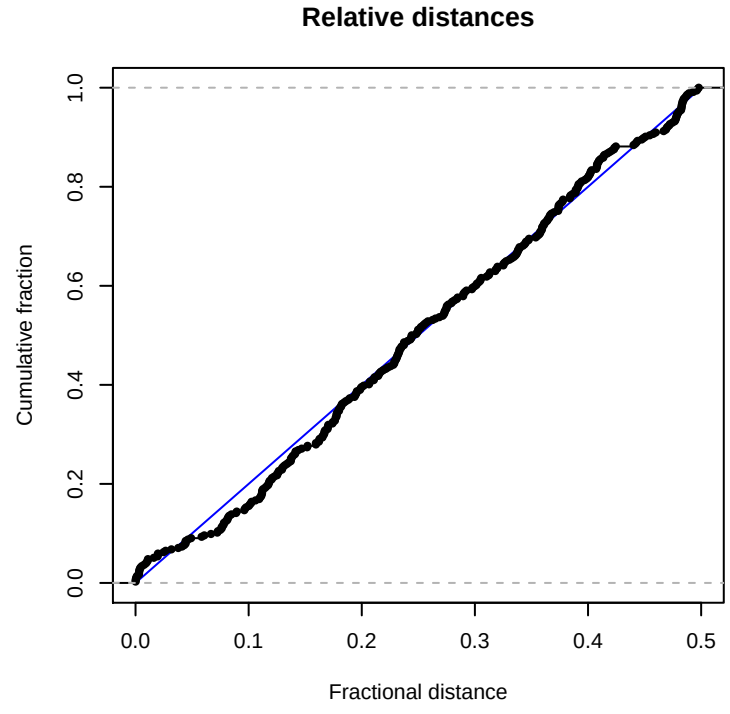




pcontig_072

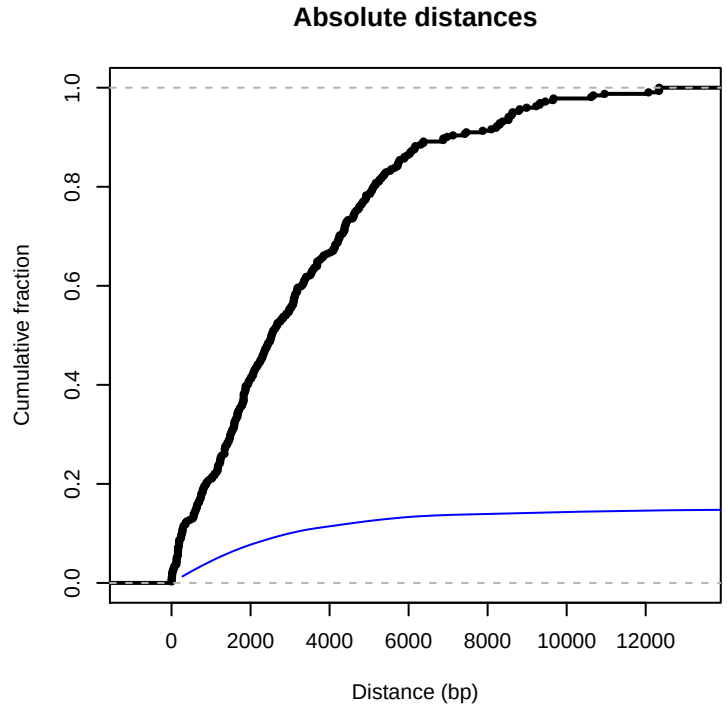
Query population : 354
Reference population : 68
Relative Ks p−value : 0.294632
Relative ecdf deviation area : 0.00838452
Relative ecdf area correlation : −0.0138923
Relative ecdf deviation area p−value : 0.47
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.60063

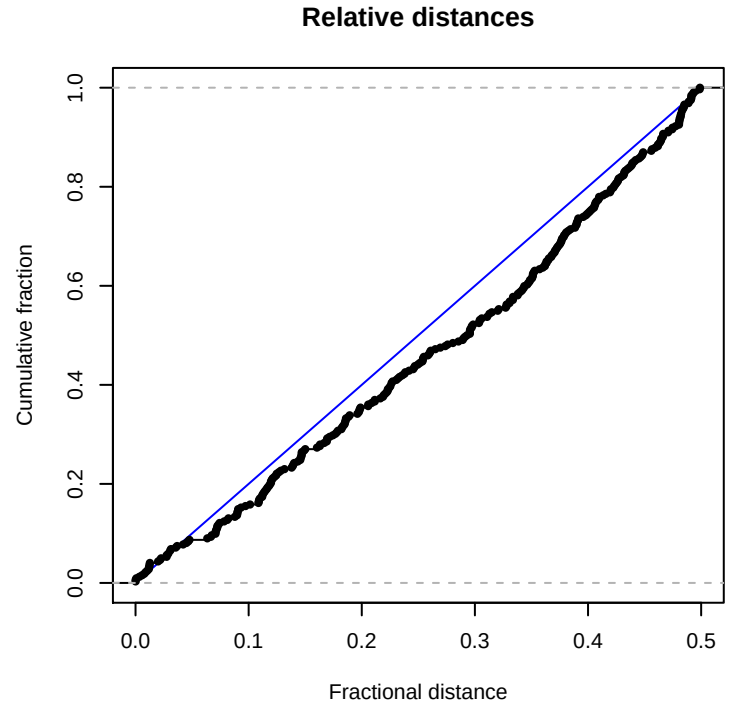




pcontig_073

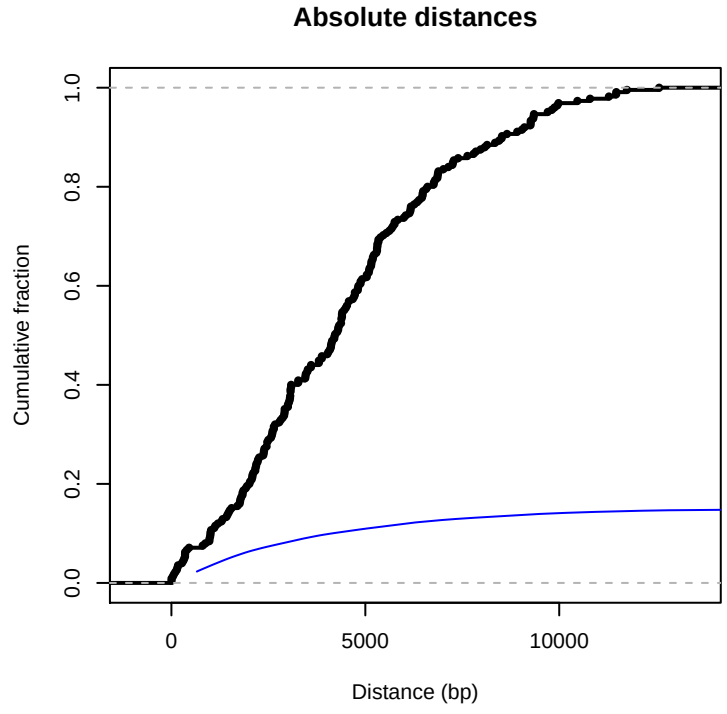
Query population : 322
Reference population : 73
Relative Ks p−value : 0.00260482
Relative ecdf deviation area : 0.0241402
Relative ecdf area correlation : −0.0949135
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.12821e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.66977

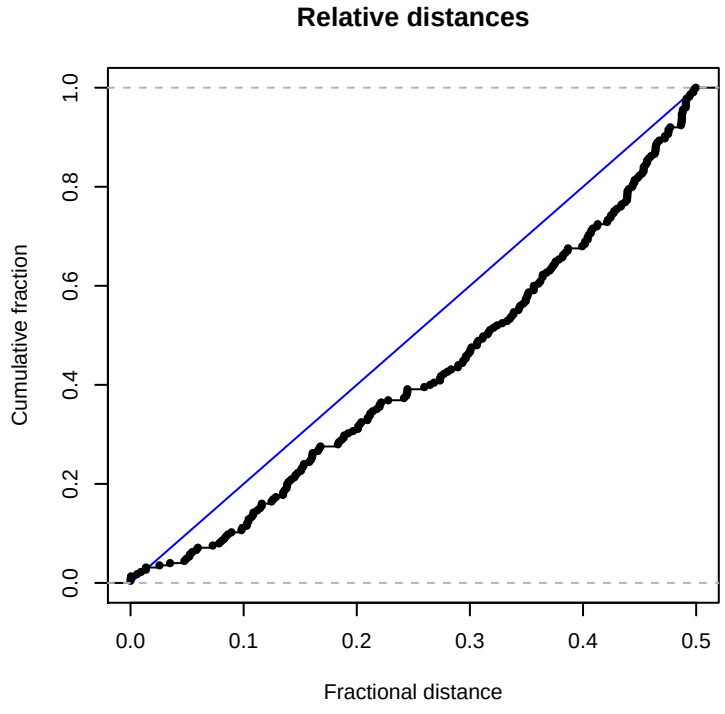




pcontig_074

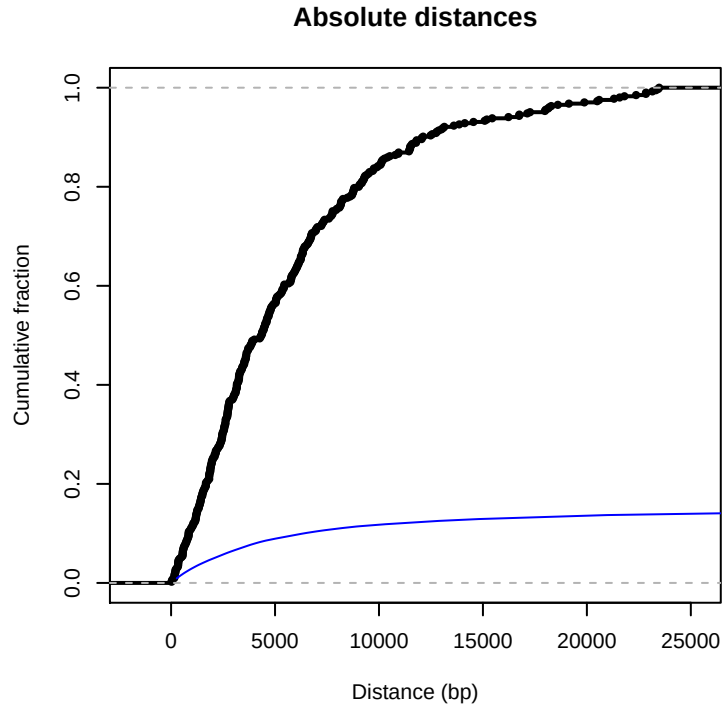
Query population : 225
Reference population : 54
Relative Ks p−value : 0.00011015
Relative ecdf deviation area : 0.043141
Relative ecdf area correlation : −0.173358
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000342467
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.54148

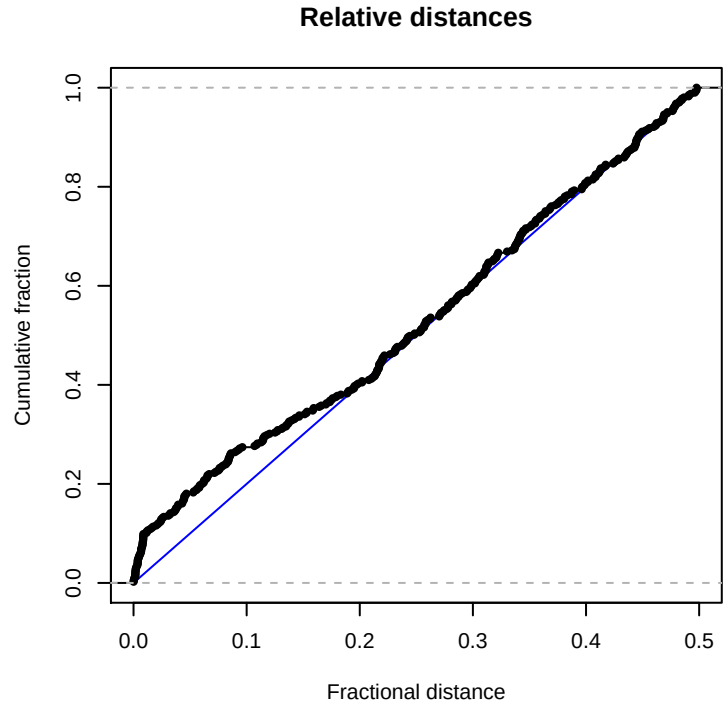




pcontig_075

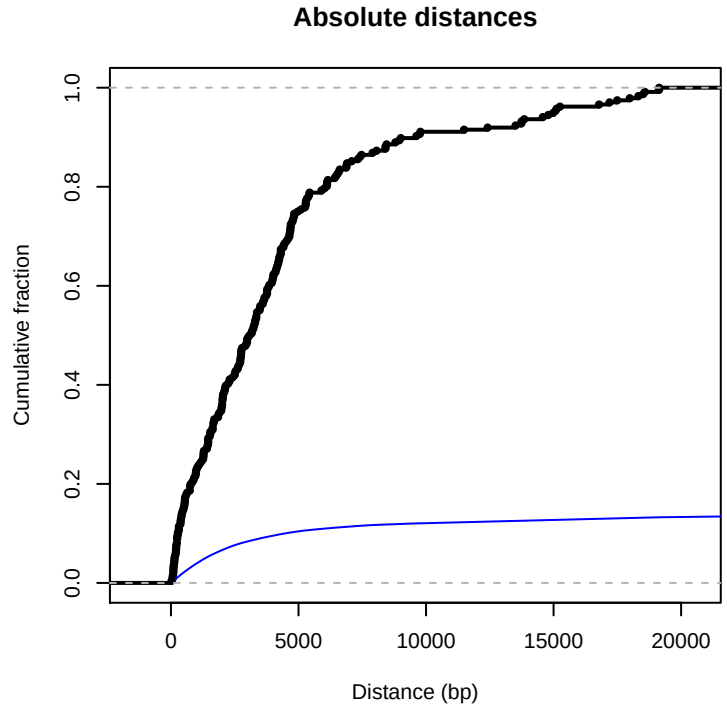
Query population : 405
Reference population : 52
Relative Ks p−value : 0.00310006
Relative ecdf deviation area : 0.0133883
Relative ecdf area correlation : 0.0512126
Relative ecdf deviation area p−value : 0.07
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.98127e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.57837

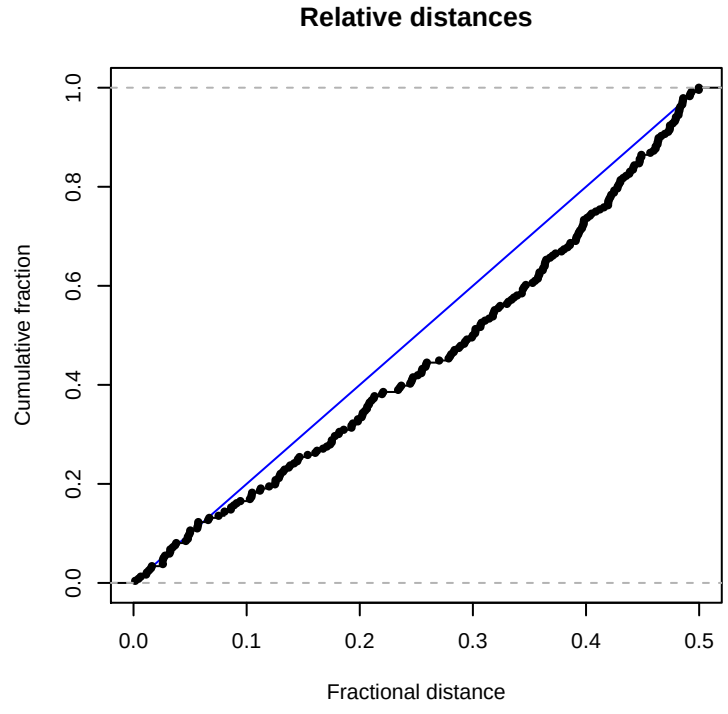




pcontig_077

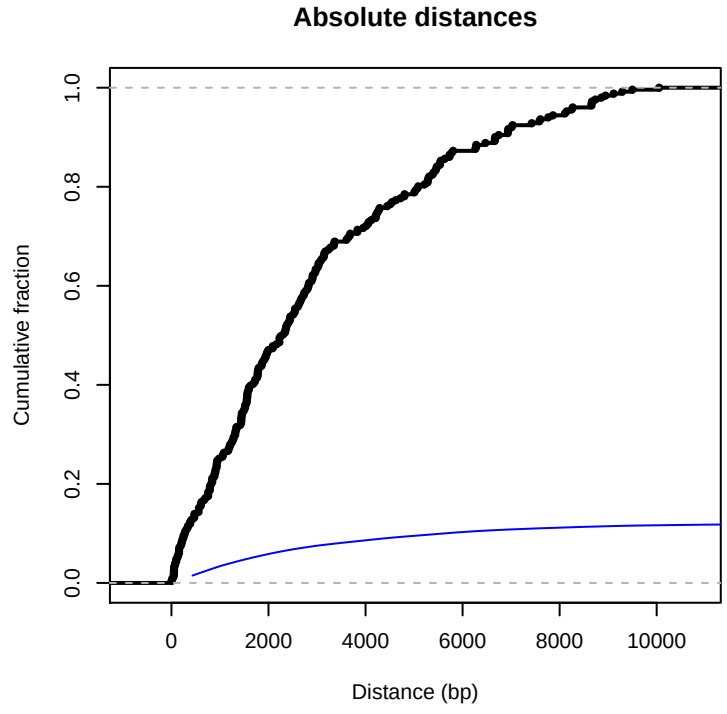
Query population : 236
Reference population : 67
Relative Ks p−value : 0.00819023
Relative ecdf deviation area : 0.0280155
Relative ecdf area correlation : −0.11106
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.28542e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.16459

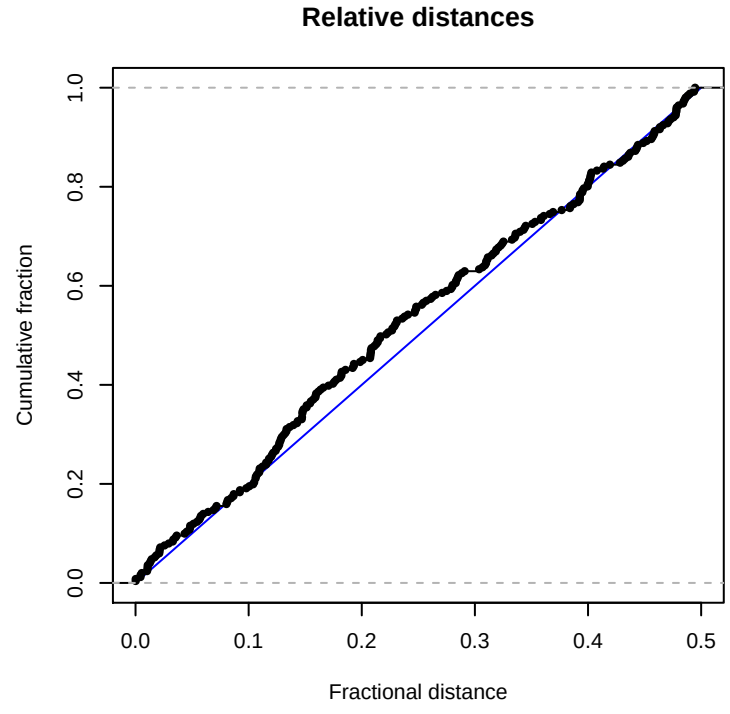




pcontig_078

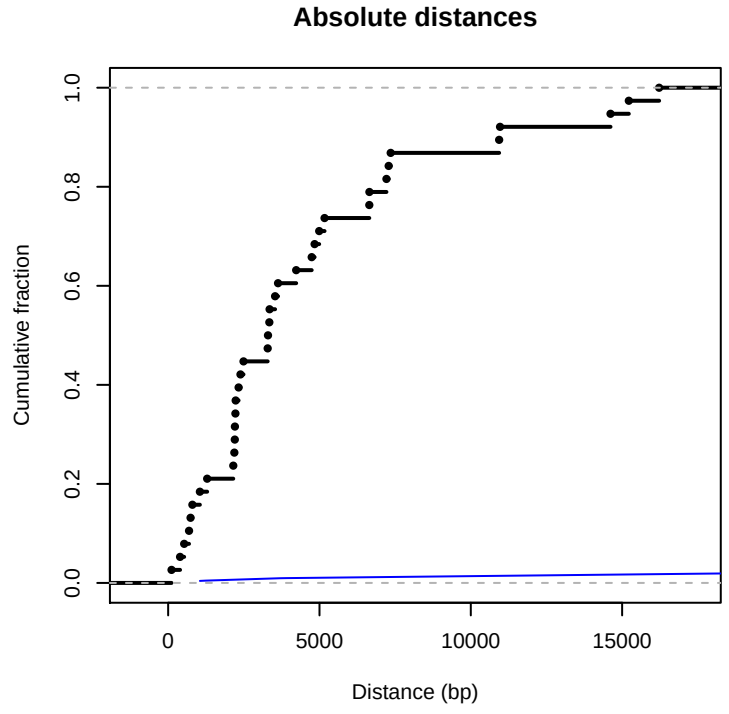
Query population : 251
Reference population : 53
Relative Ks p−value : 0.202636
Relative ecdf deviation area : 0.0123189
Relative ecdf area correlation : 0.0442683
Relative ecdf deviation area p−value : 0.22
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.04045

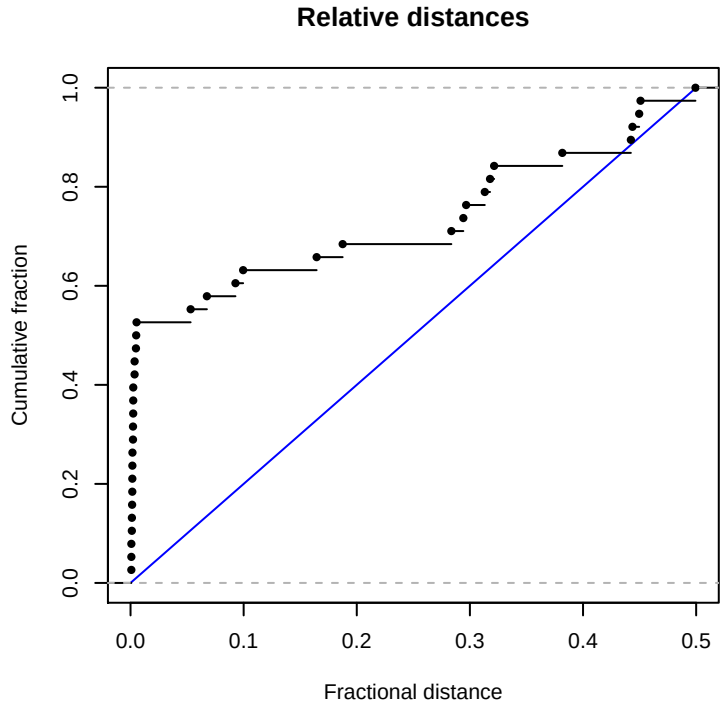




pcontig_079

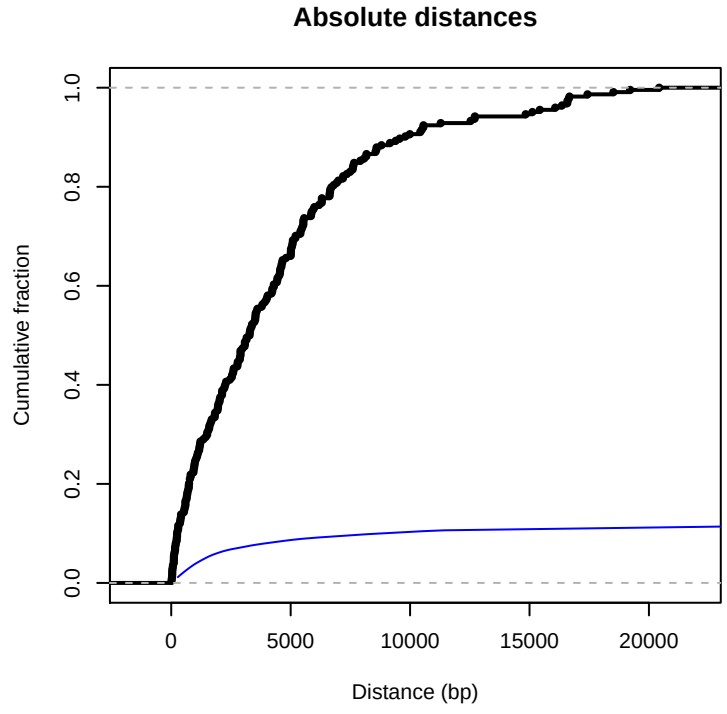
Query population : 38
Reference population : 6
Relative Ks p−value : 6.50253e−10
Relative ecdf deviation area : 0.113217
Relative ecdf area correlation : 0.452047
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.89054e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 27.0724

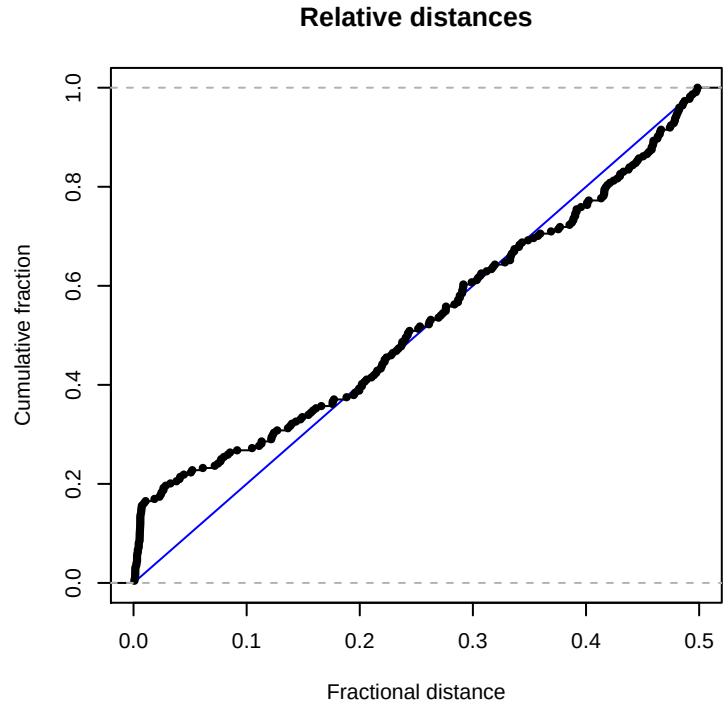




pcontig_080

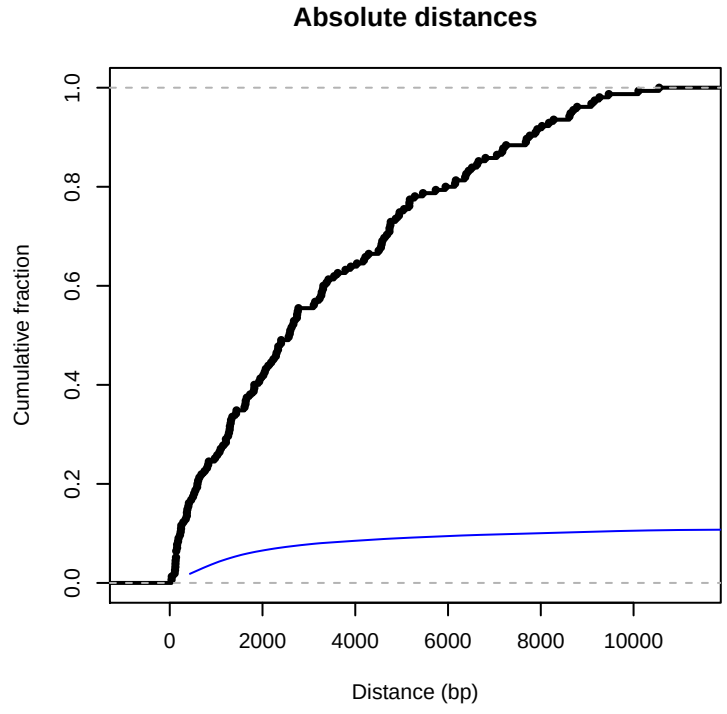
Query population : 224
Reference population : 65
Relative Ks p−value : 0.000189302
Relative ecdf deviation area : 0.0194402
Relative ecdf area correlation : 0.0364273
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.26765e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.57077

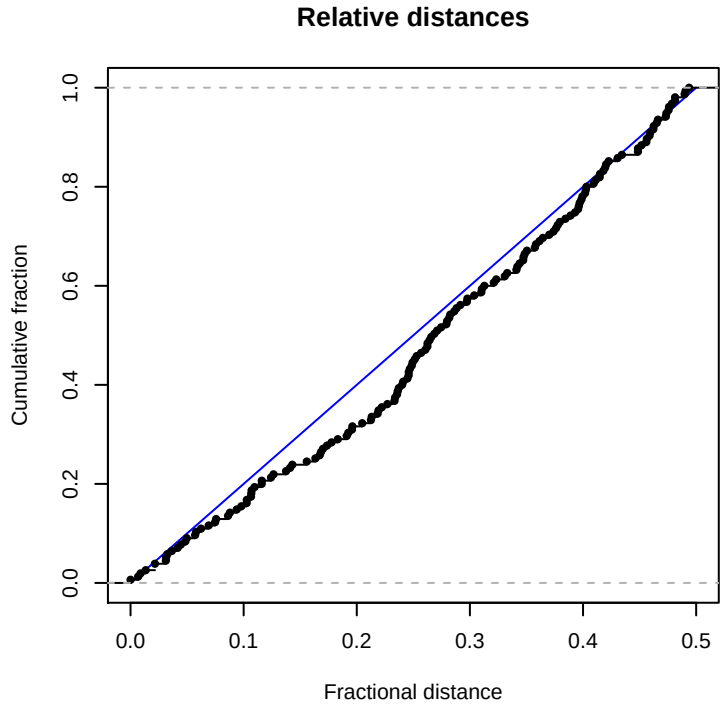




pcontig_081

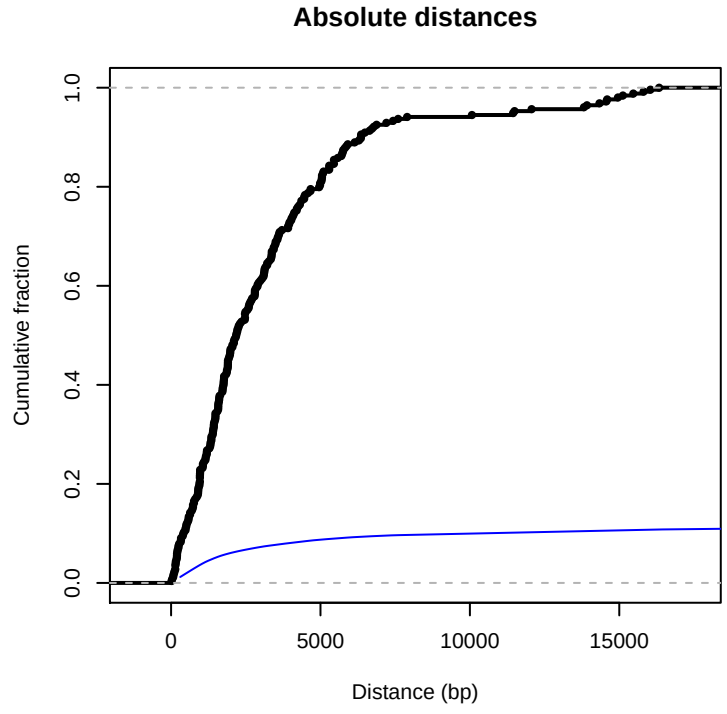
Query population : 155
Reference population : 65
Relative Ks p−value : 0.0639371
Relative ecdf deviation area : 0.0194642
Relative ecdf area correlation : −0.0747991
Relative ecdf deviation area p−value : 0.12
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.84501e−13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.63825

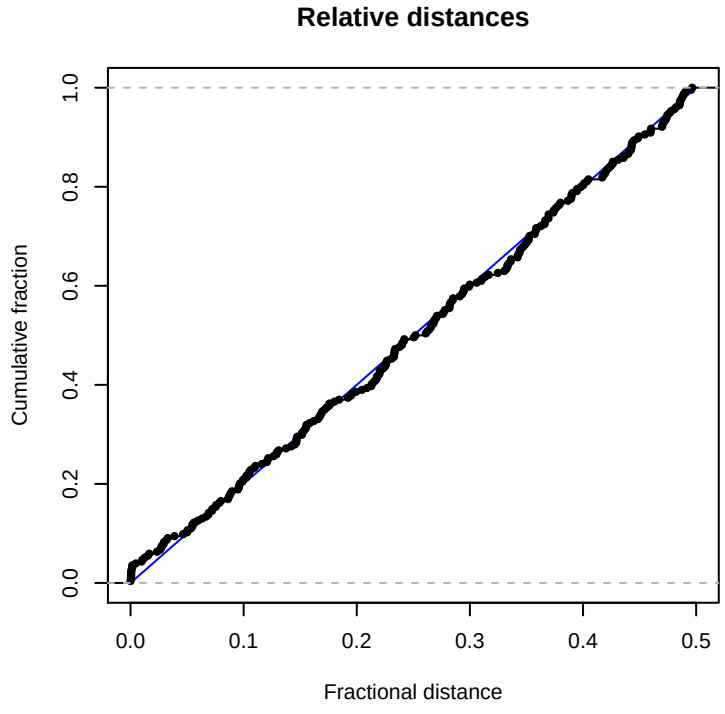




pcontig_082

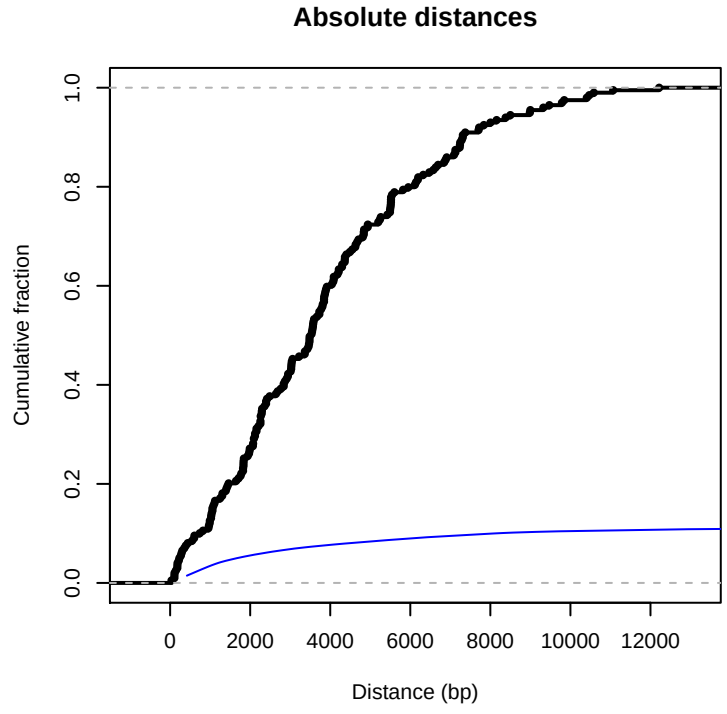
Query population : 254
Reference population : 60
Relative Ks p−value : 0.917569
Relative ecdf deviation area : 0.00469561
Relative ecdf area correlation : −0.00654646
Relative ecdf deviation area p−value : 0.96
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.89662e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.45624

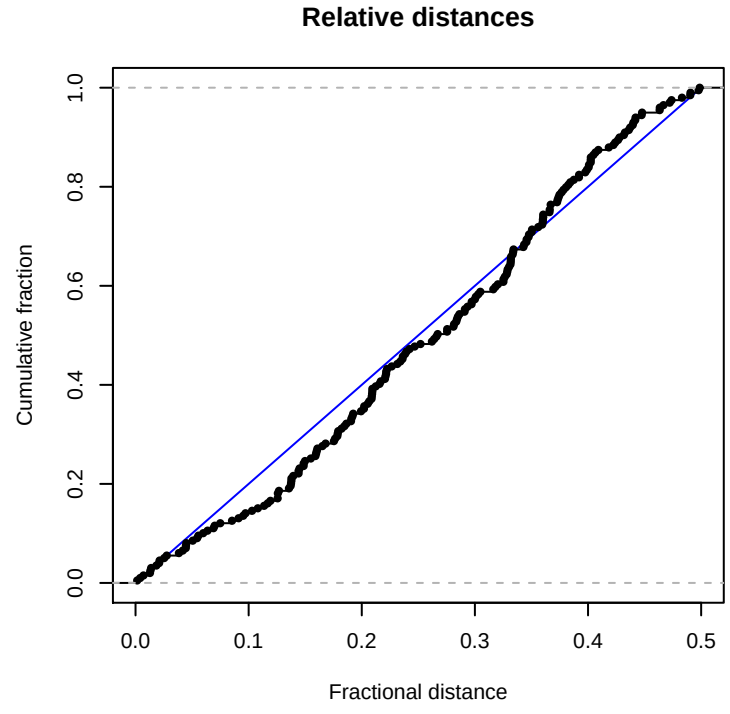




pcontig_083

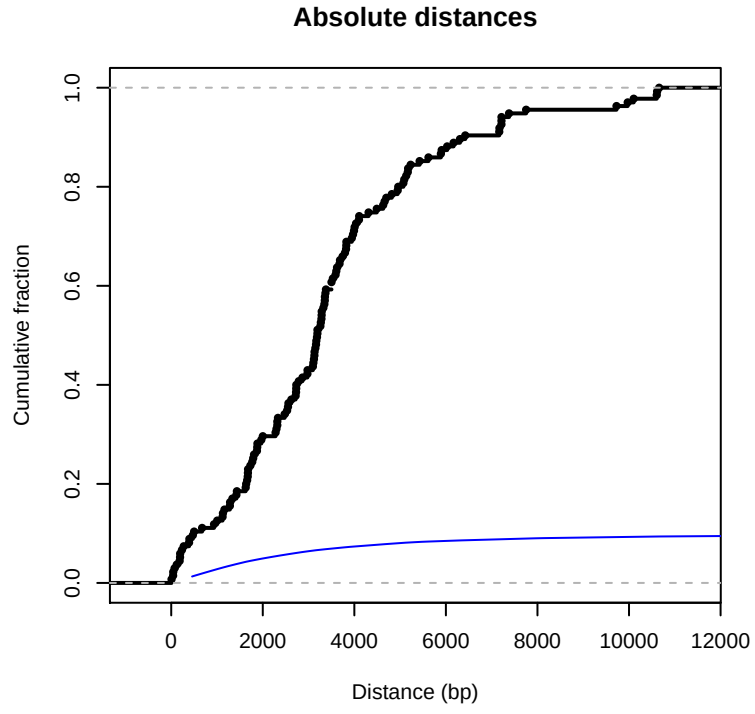
Query population : 199
Reference population : 54
Relative Ks p−value : 0.109732
Relative ecdf deviation area : 0.017265
Relative ecdf area correlation : −0.0335358
Relative ecdf deviation area p−value : 0.13
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0018893
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.37551

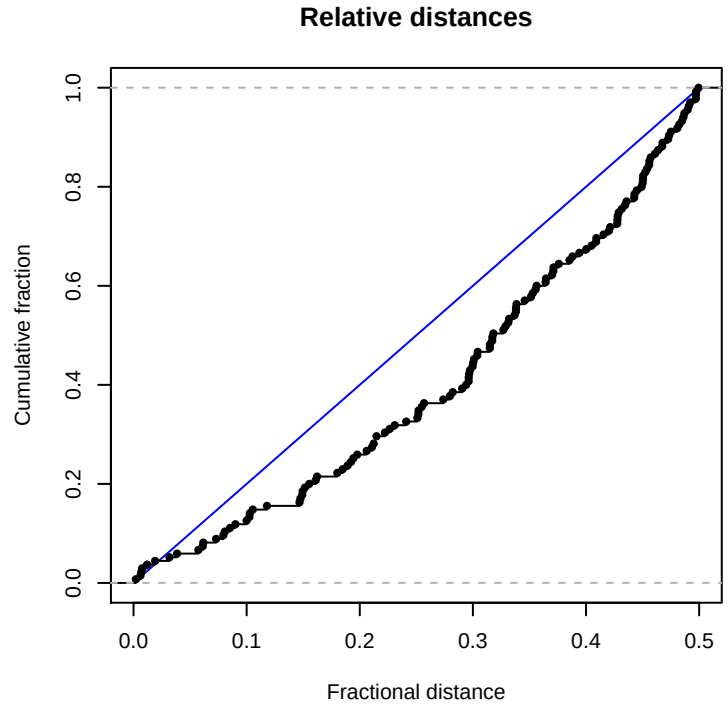




pcontig_084

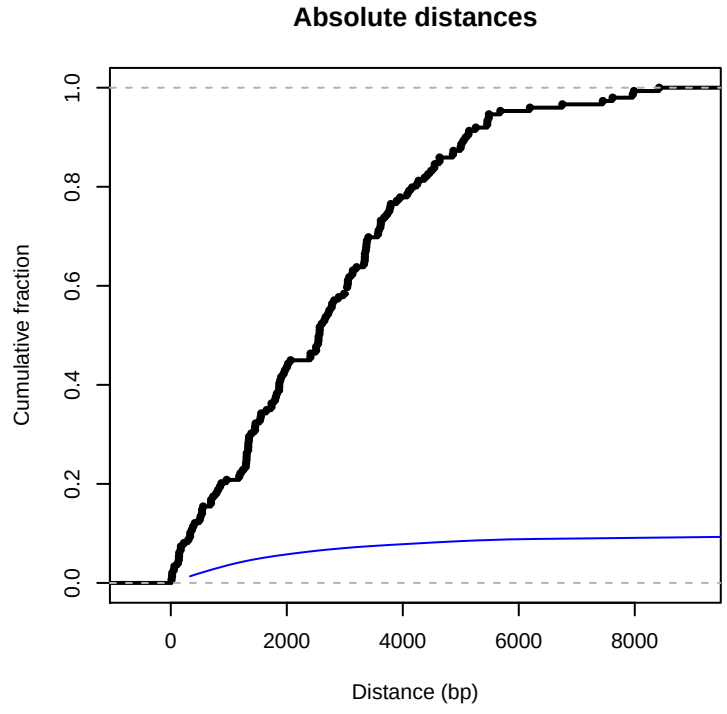
Query population : 135
Reference population : 44
Relative Ks p−value : 6.36688e−05
Relative ecdf deviation area : 0.0527294
Relative ecdf area correlation : −0.20979
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.99419e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.72868

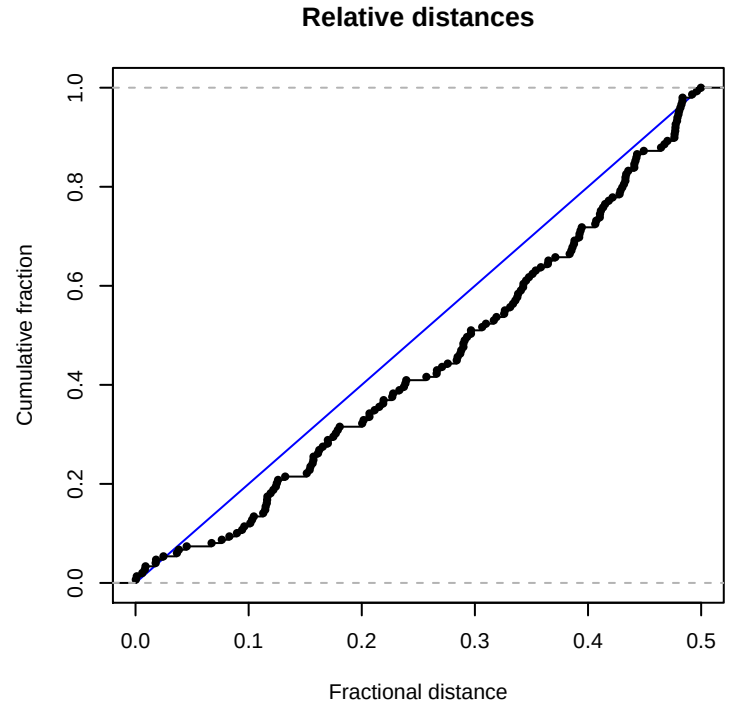




pcontig_086

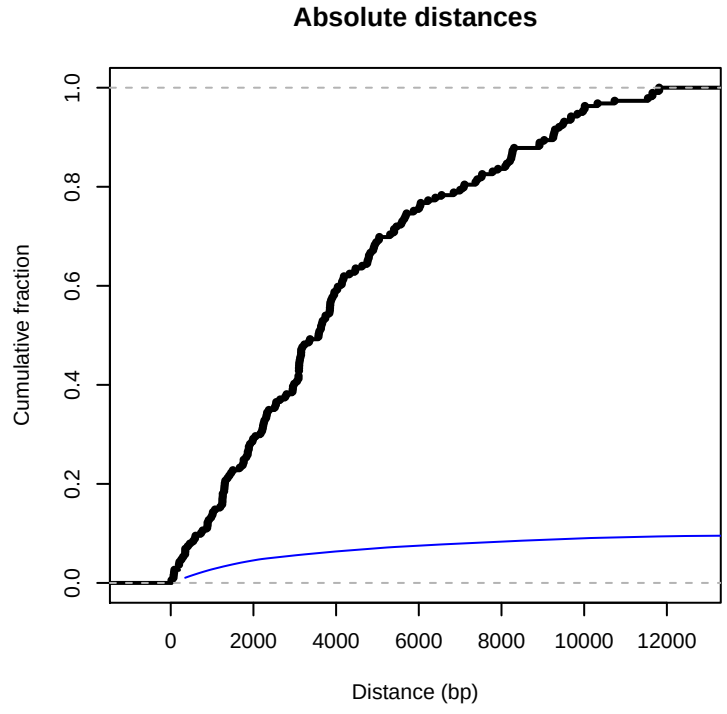
Query population : 149
Reference population : 62
Relative Ks p−value : 0.0190817
Relative ecdf deviation area : 0.0335422
Relative ecdf area correlation : −0.132167
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.43059e−14
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.66092

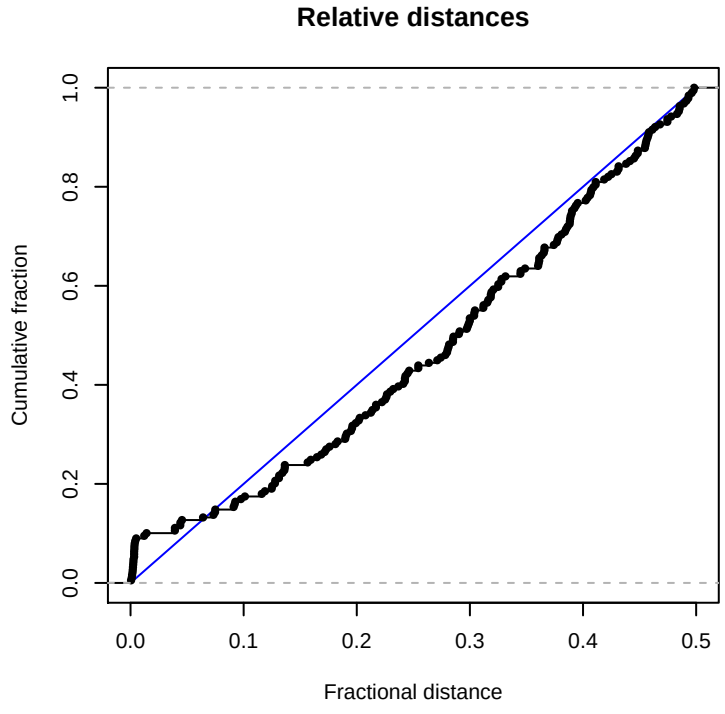




pcontig_087

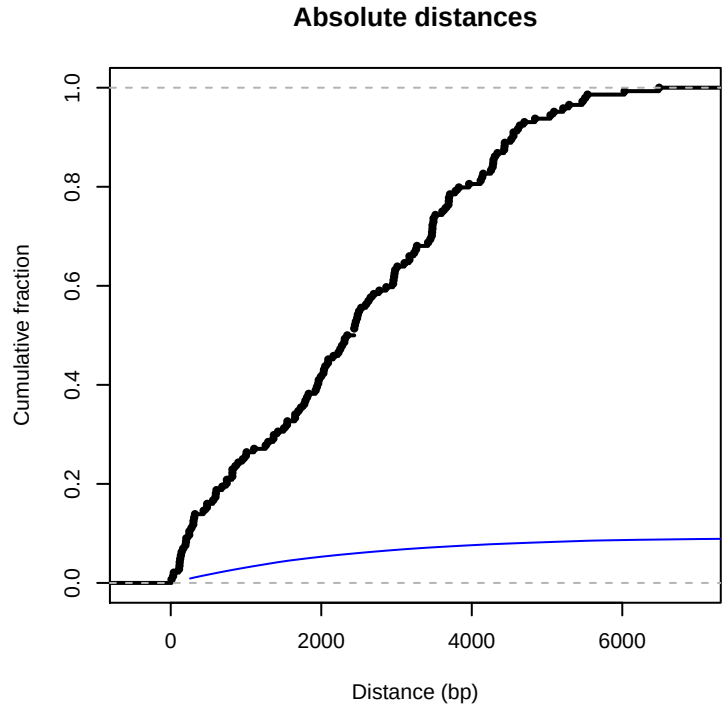
Query population : 189
Reference population : 46
Relative Ks p−value : 0.0407236
Relative ecdf deviation area : 0.0258512
Relative ecdf area correlation : −0.0824391
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.66531e−09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.7246

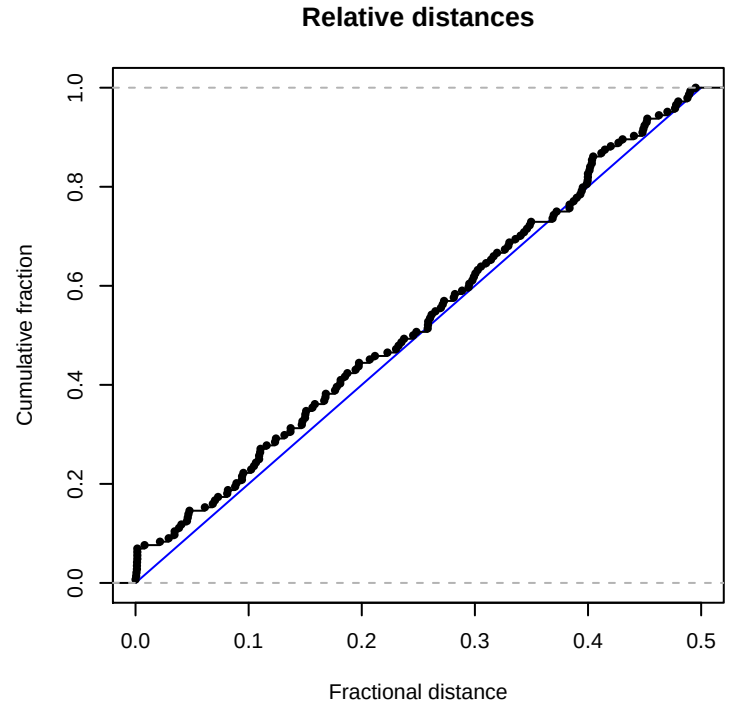




pcontig_088

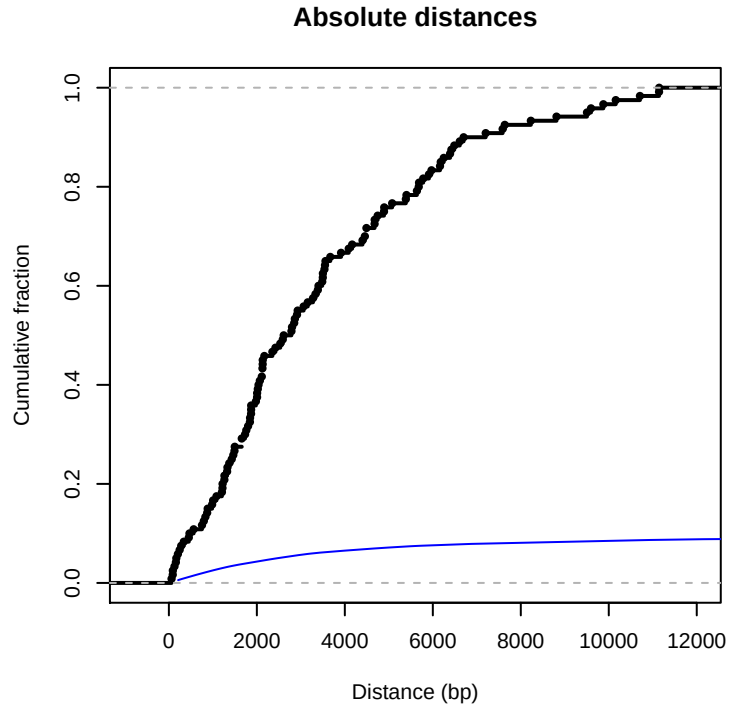
Query population : 144
Reference population : 54
Relative Ks p−value : 0.551563
Relative ecdf deviation area : 0.0113486
Relative ecdf area correlation : 0.0459191
Relative ecdf deviation area p−value : 0.48
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.6672

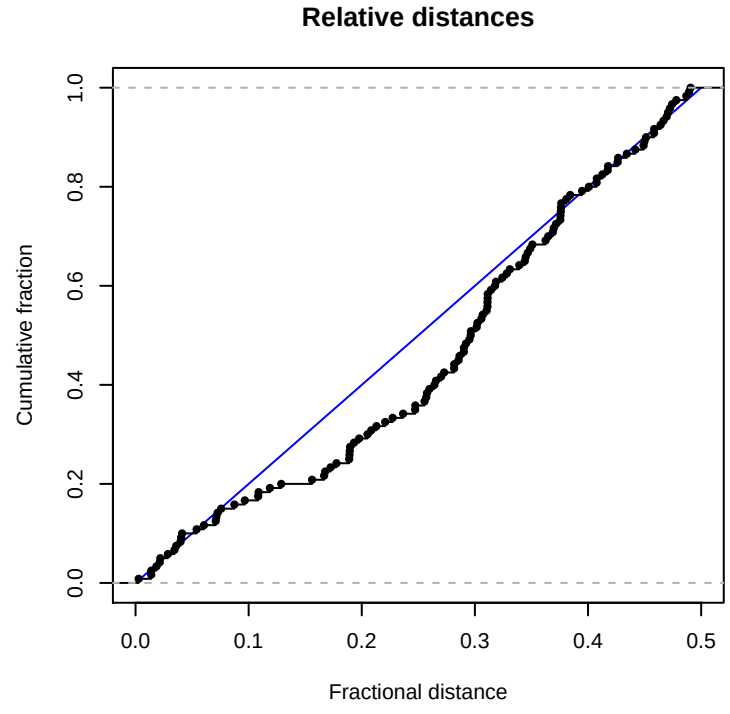




pcontig_089

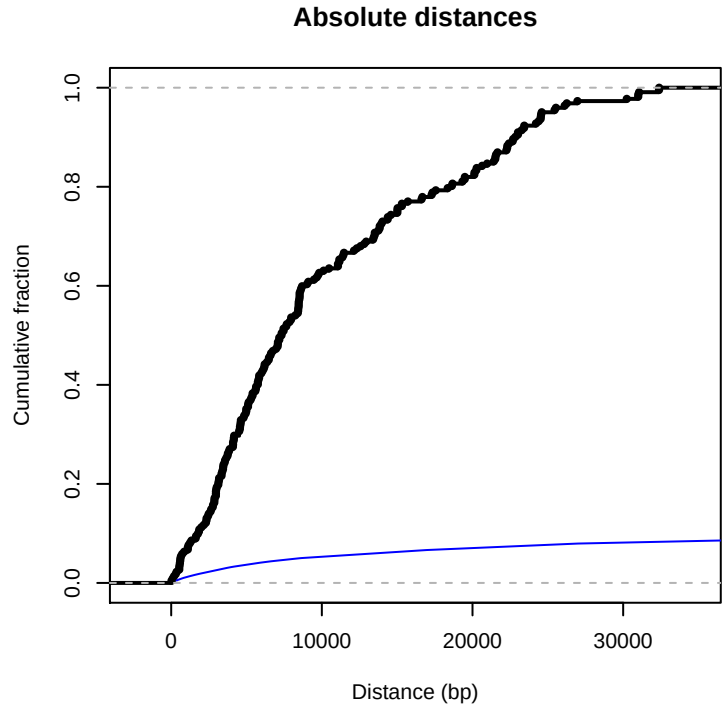
Query population : 120
Reference population : 42
Relative Ks p−value : 0.00743323
Relative ecdf deviation area : 0.026443
Relative ecdf area correlation : −0.101295
Relative ecdf deviation area p−value : 0.04
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.95062e−13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.62373

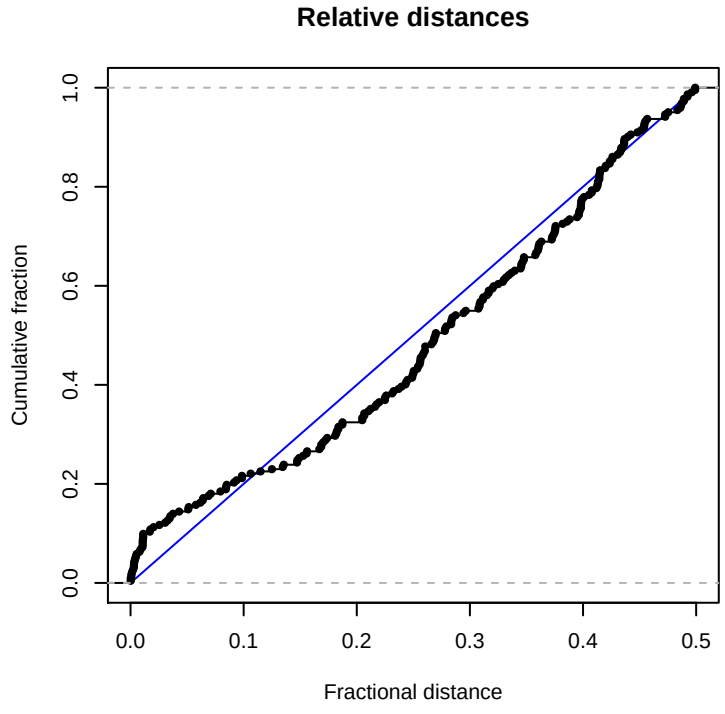




pcontig_090

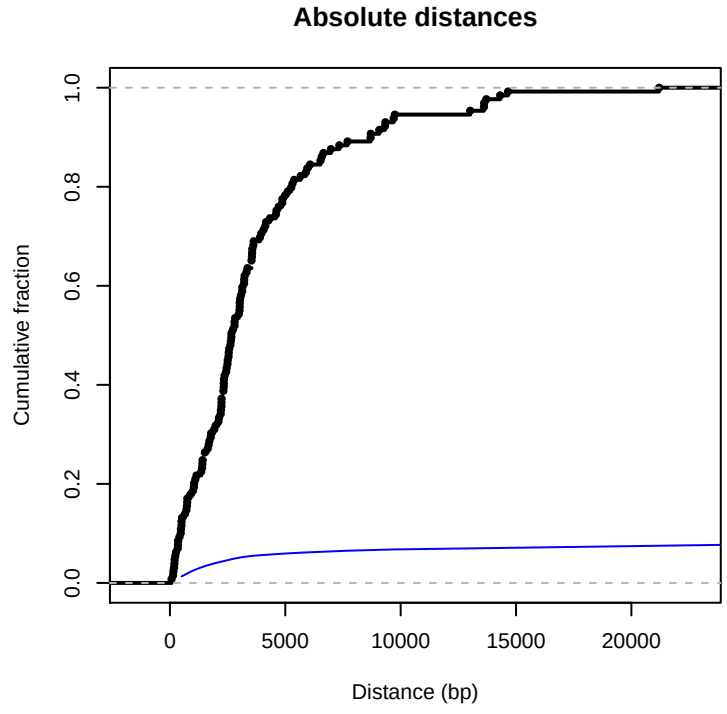
Query population : 222
Reference population : 21
Relative Ks p−value : 0.0560552
Relative ecdf deviation area : 0.0218792
Relative ecdf area correlation : −0.044245
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.77491e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.25069

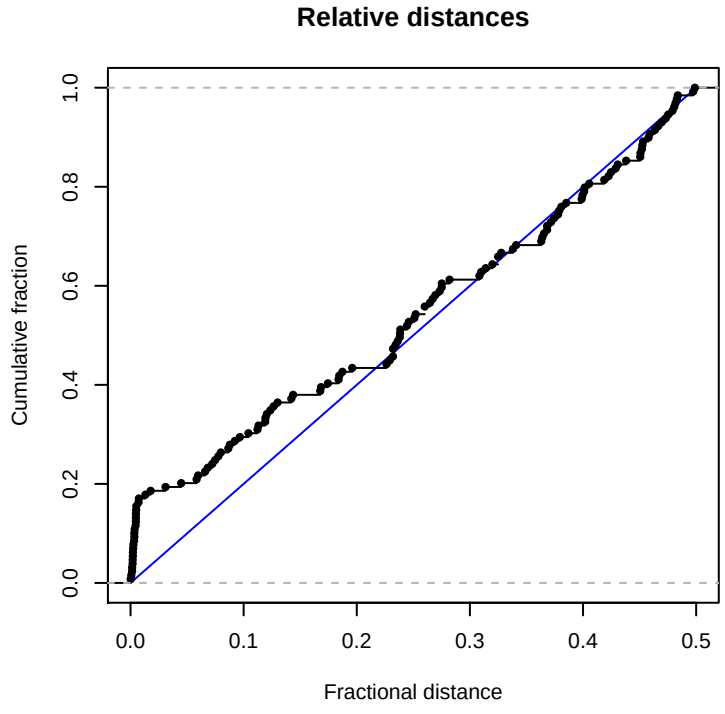




pcontig_091

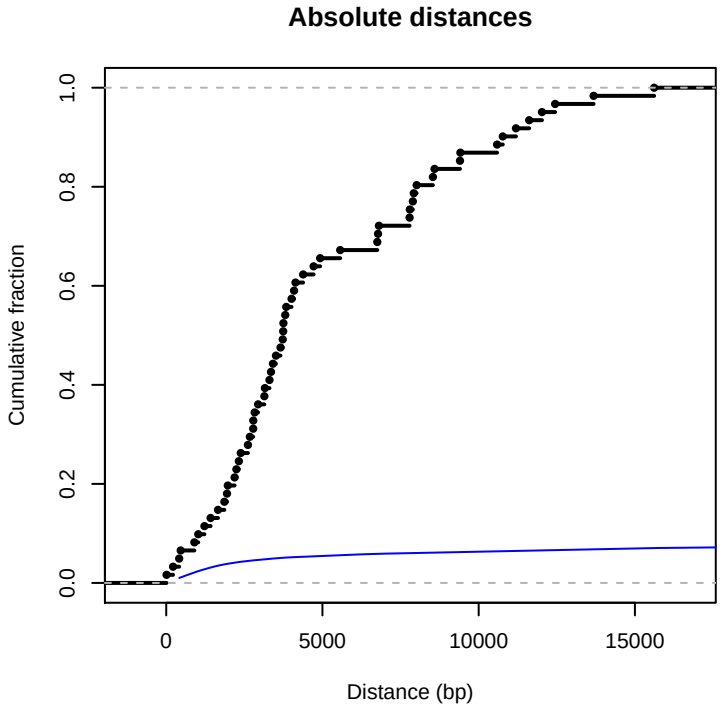
Query population : 129
Reference population : 40
Relative Ks p−value : 0.00380002
Relative ecdf deviation area : 0.0237636
Relative ecdf area correlation : 0.0704363
Relative ecdf deviation area p−value : 0.09
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.4809e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.31295

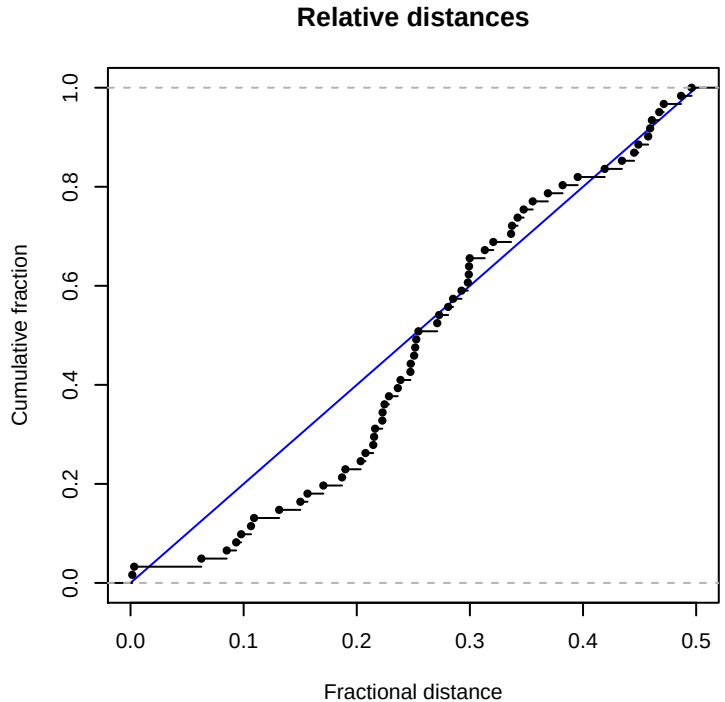




pcontig_092

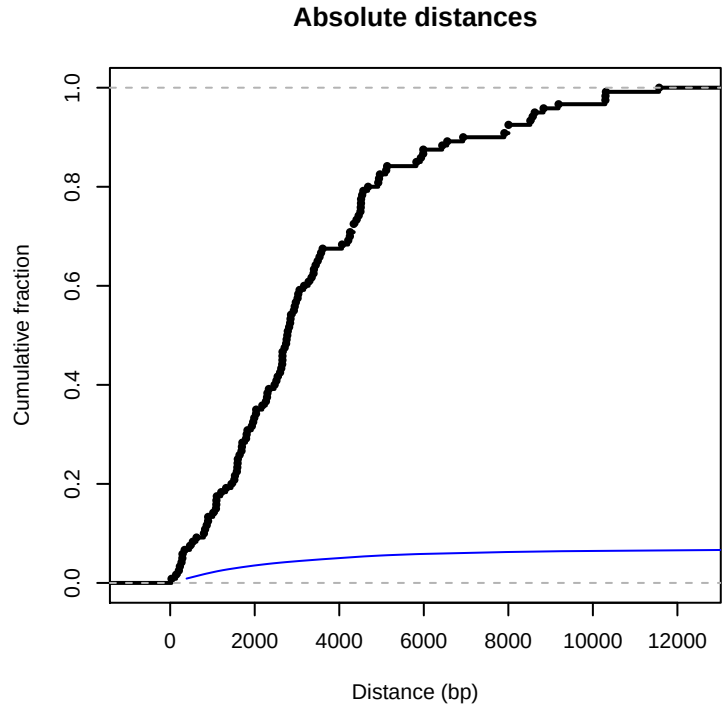
Query population : 61
Reference population : 37
Relative Ks p−value : 0.0377019
Relative ecdf deviation area : 0.0315992
Relative ecdf area correlation : −0.0901136
Relative ecdf deviation area p−value : 0.0600000000000001
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.381
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0.75834

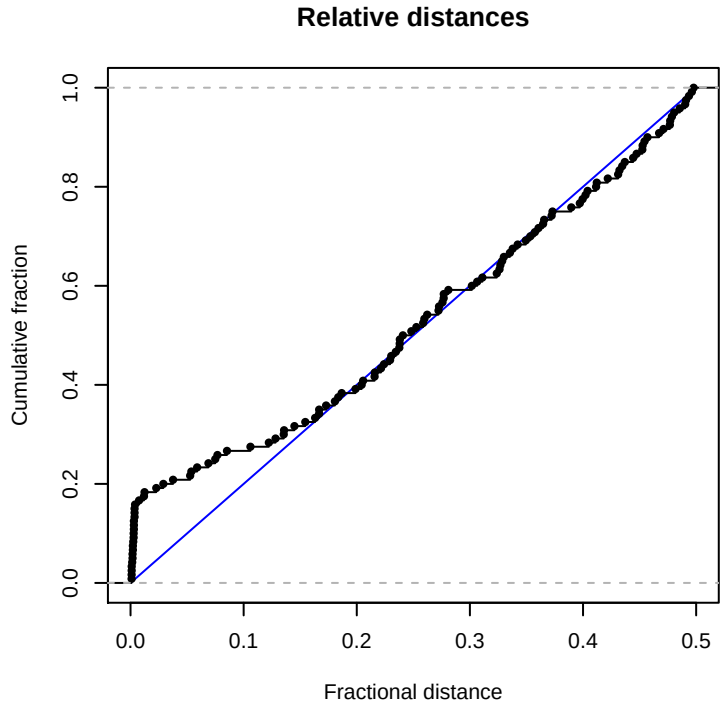




pcontig_095

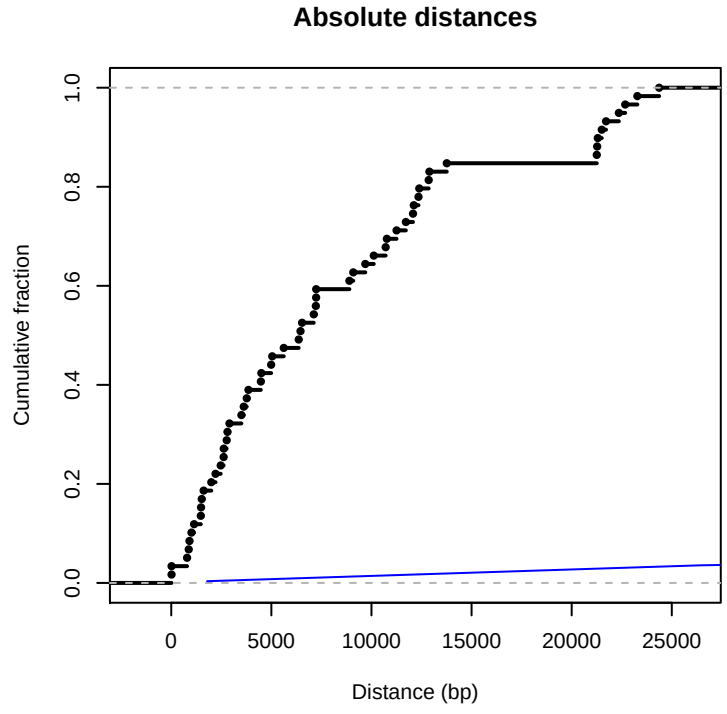
Query population : 120
Reference population : 35
Relative Ks p−value : 0.00477719
Relative ecdf deviation area : 0.0186914
Relative ecdf area correlation : 0.0396716
Relative ecdf deviation area p−value : 0.18
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000890089
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.5409

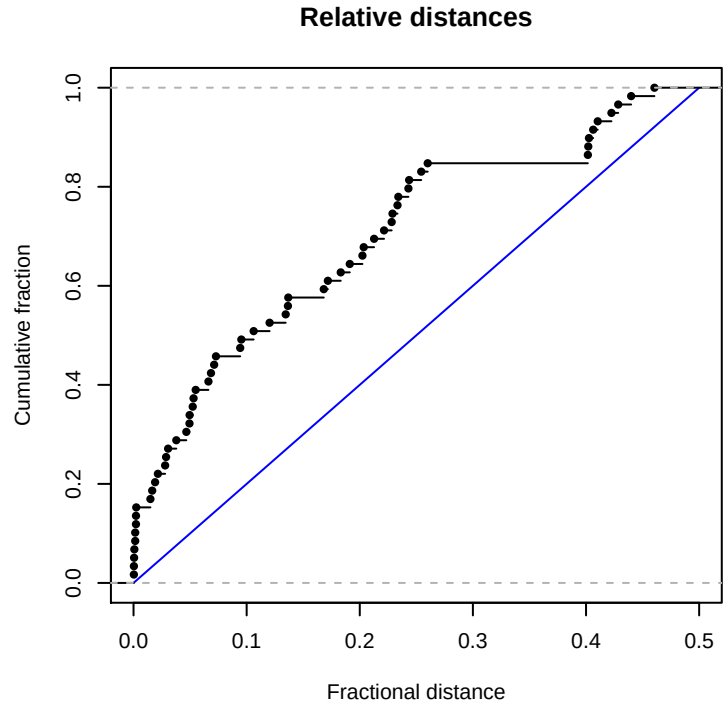




pcontig_096

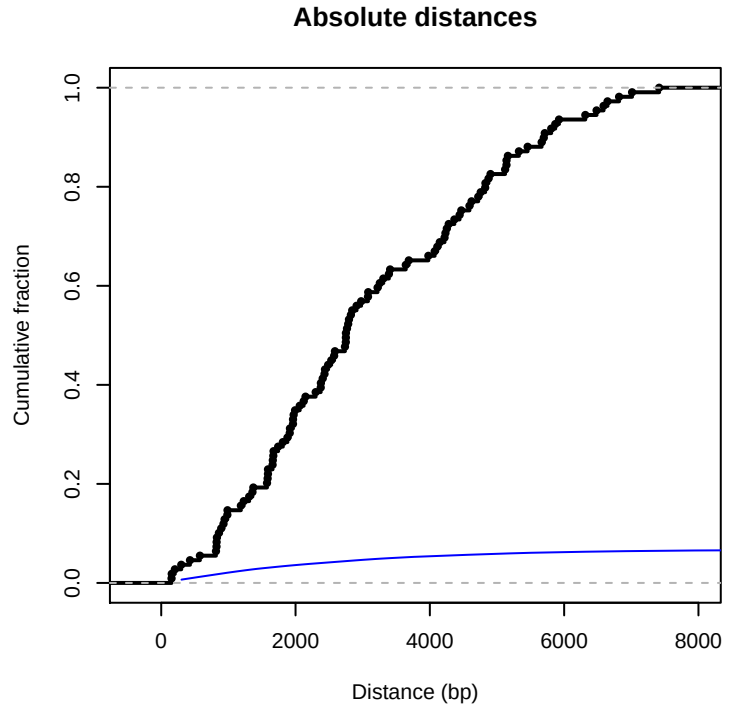
Query population : 59
Reference population : 3
Relative Ks p−value : 3.92351e−06
Relative ecdf deviation area : 0.0998175
Relative ecdf area correlation : 0.398557
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.37405e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 80.6233

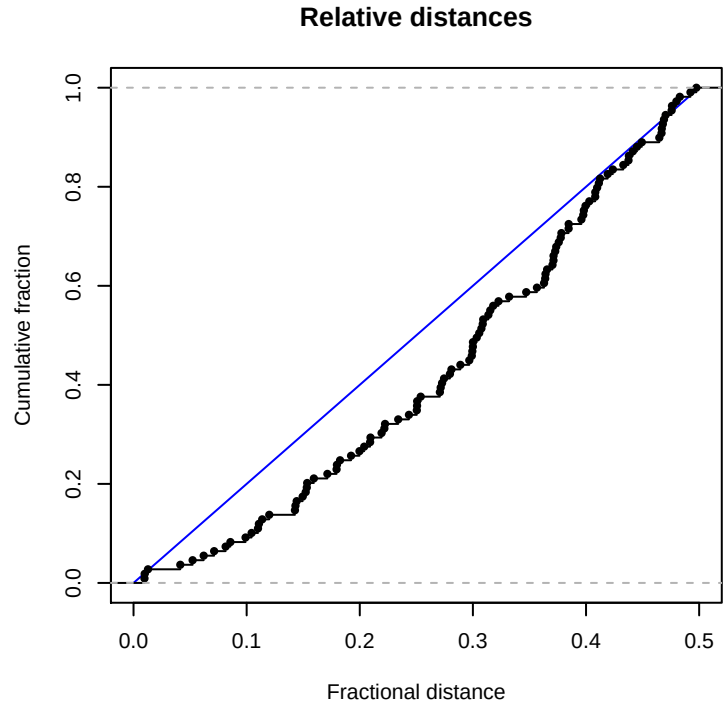




pcontig_097

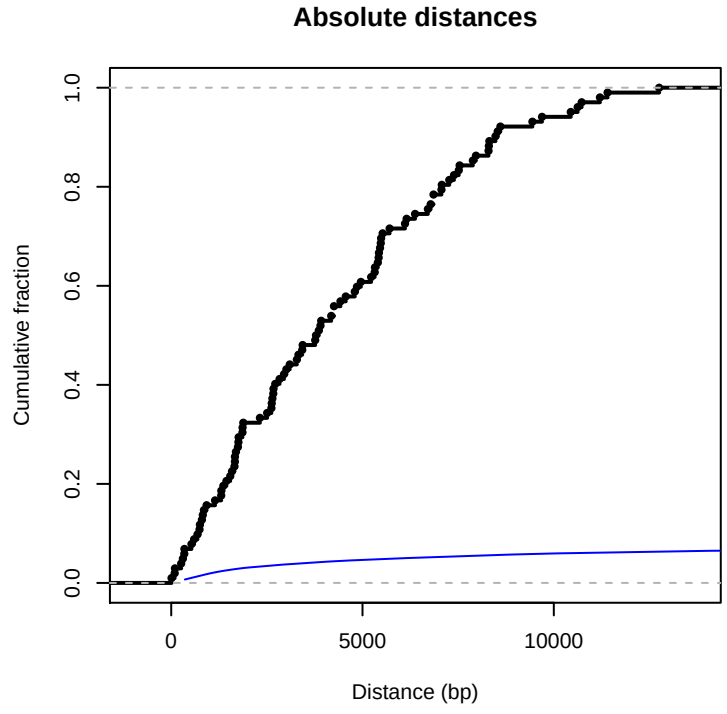
Query population : 109
Reference population : 34
Relative Ks p−value : 0.00511353
Relative ecdf deviation area : 0.04308
Relative ecdf area correlation : −0.170215
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0421879
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.11081

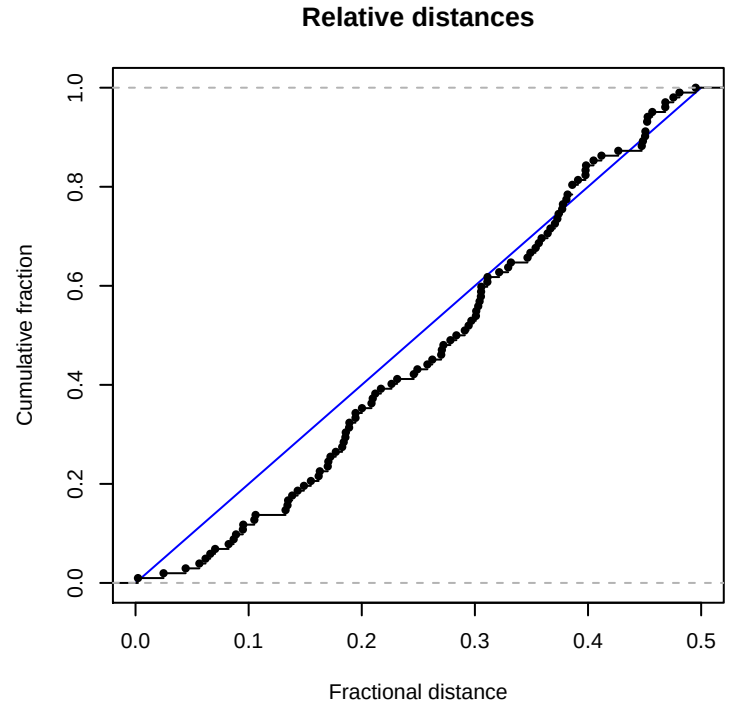




pcontig_100

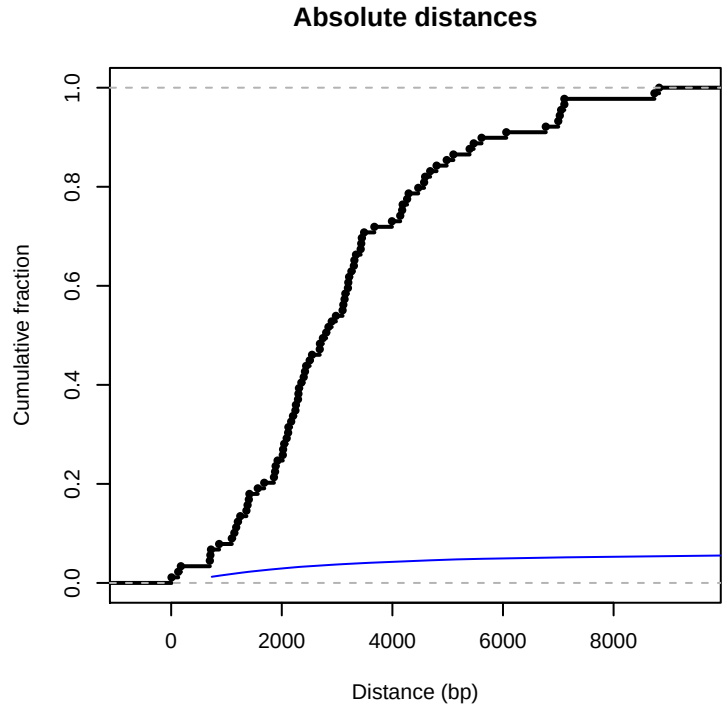
Query population : 102
Reference population : 30
Relative Ks p−value : 0.0708416
Relative ecdf deviation area : 0.0269482
Relative ecdf area correlation : −0.0875301
Relative ecdf deviation area p−value : 0.09
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00260363
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.6592

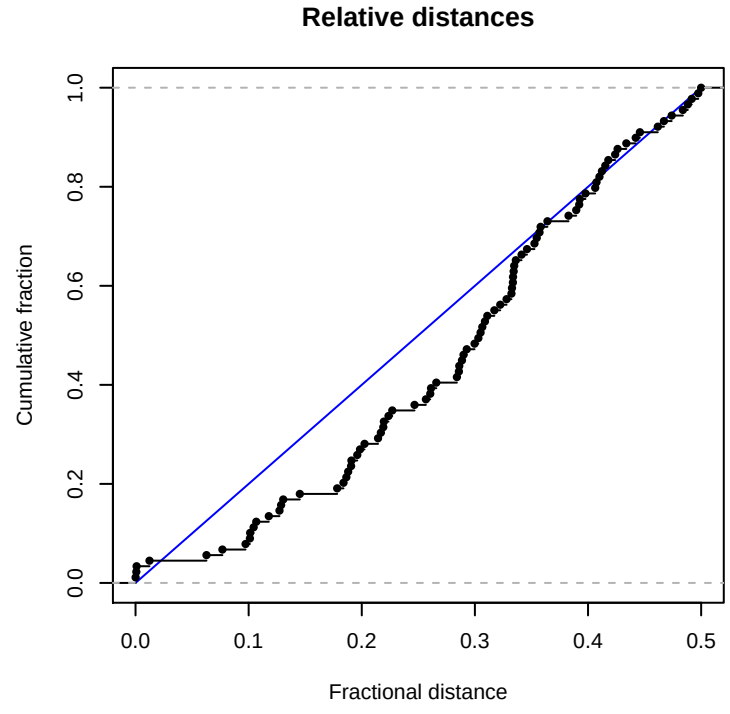




pcontig_103

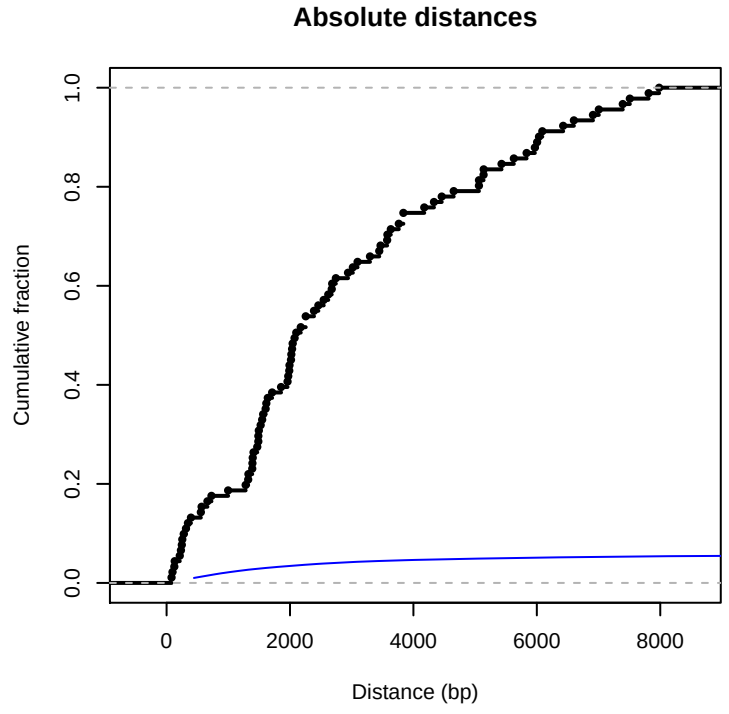
Query population : 89
Reference population : 26
Relative Ks p−value : 0.00666838
Relative ecdf deviation area : 0.0376981
Relative ecdf area correlation : −0.143417
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00691923
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.00991

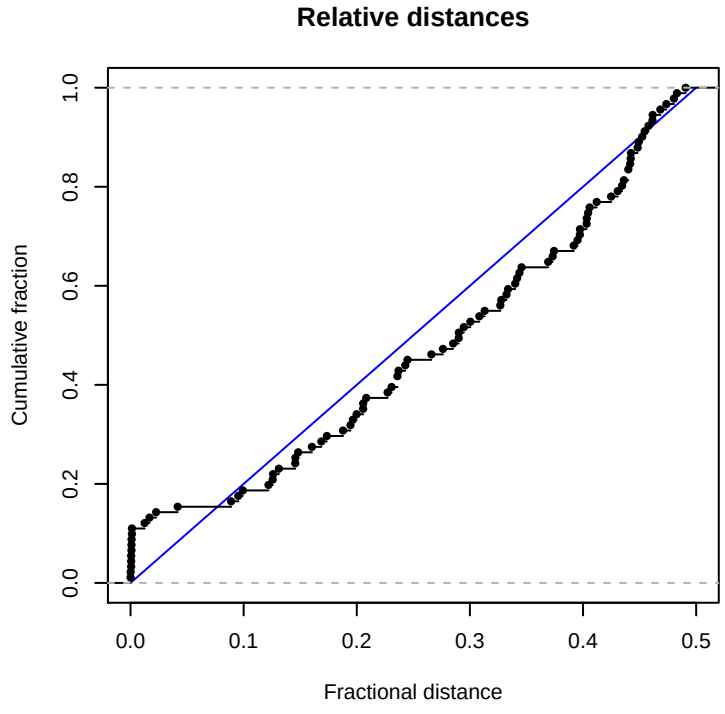




pcontig_104

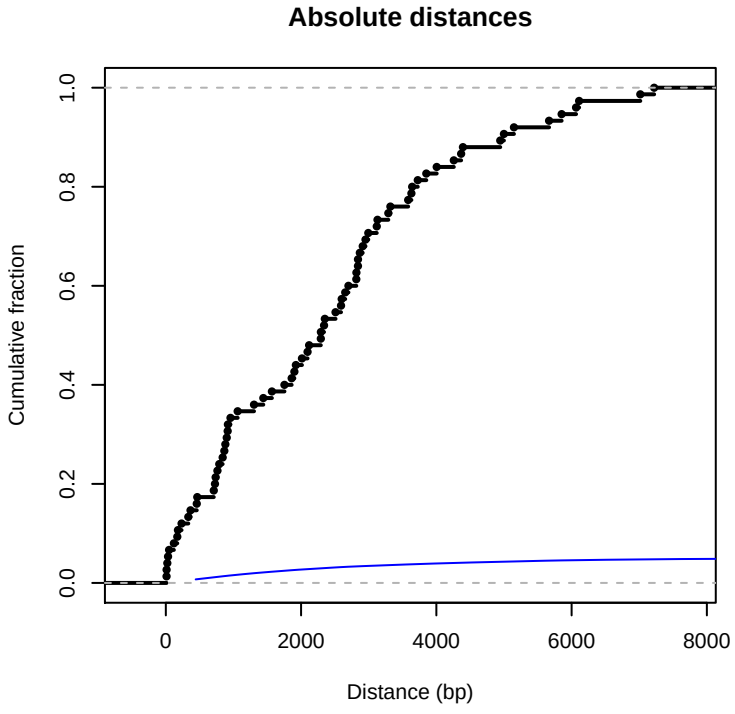
Query population : 91
Reference population : 35
Relative Ks p−value : 0.179754
Relative ecdf deviation area : 0.029767
Relative ecdf area correlation : −0.0743084
Relative ecdf deviation area p−value : 0.04
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.02297e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.54419

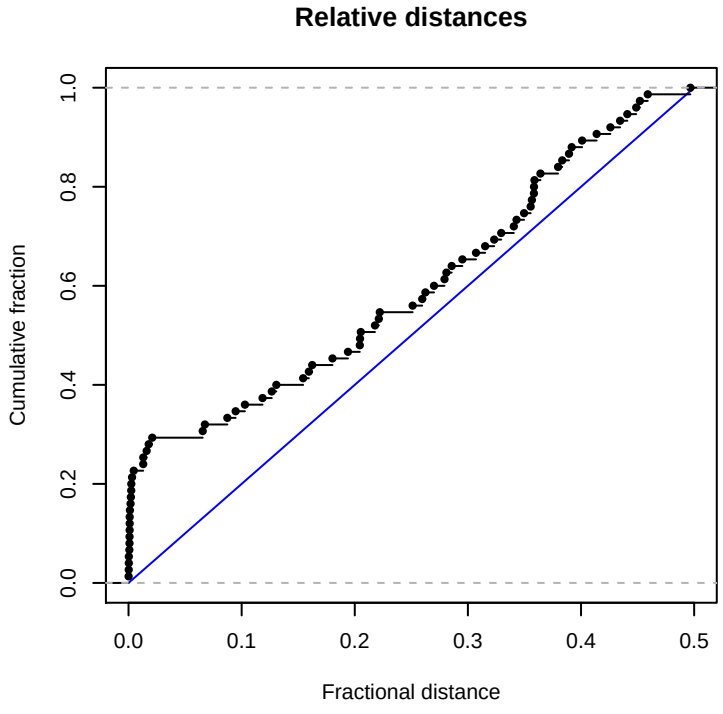




pcontig_106

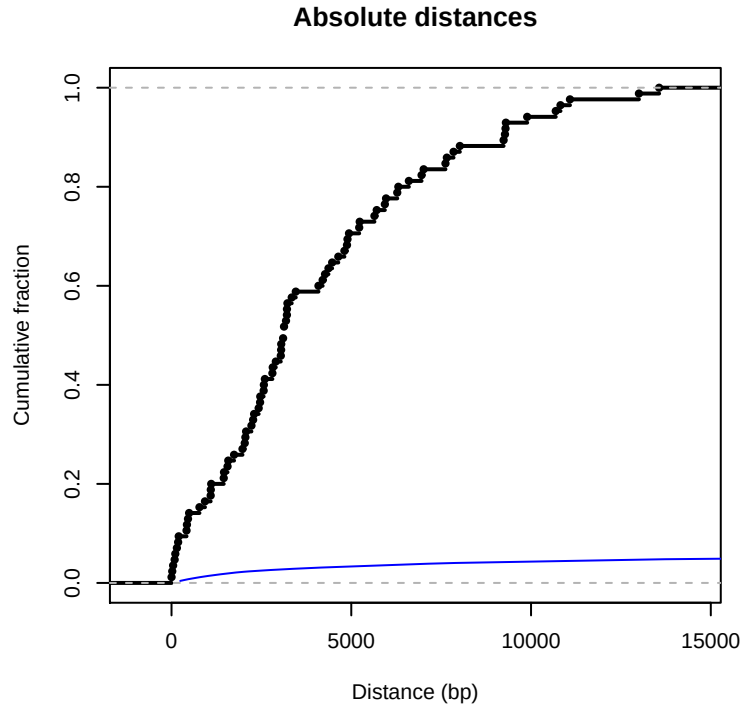
Query population : 75
Reference population : 25
Relative Ks p−value : 0.000115358
Relative ecdf deviation area : 0.047415
Relative ecdf area correlation : 0.190091
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.22045e−16
Projection test lower tail : FALSE
Projection test observed to expected ratio : 15.5801

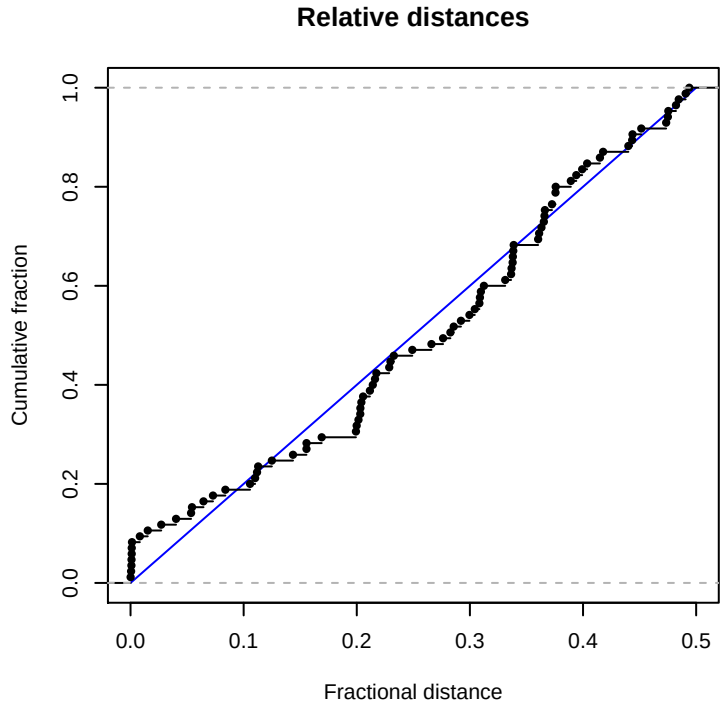




pcontig_110

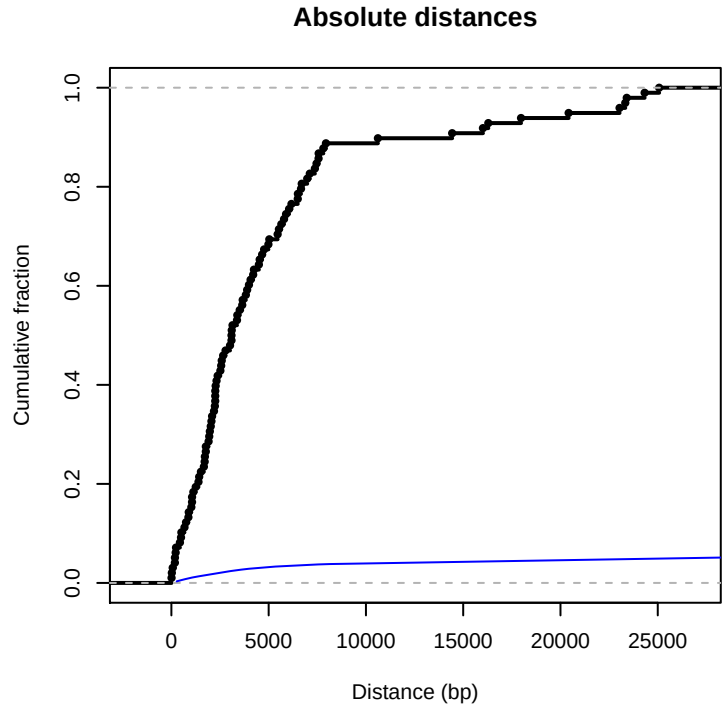
Query population : 85
Reference population : 26
Relative Ks p−value : 0.291477
Relative ecdf deviation area : 0.0178791
Relative ecdf area correlation : −0.0206645
Relative ecdf deviation area p−value : 0.34
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.51006e−09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.84

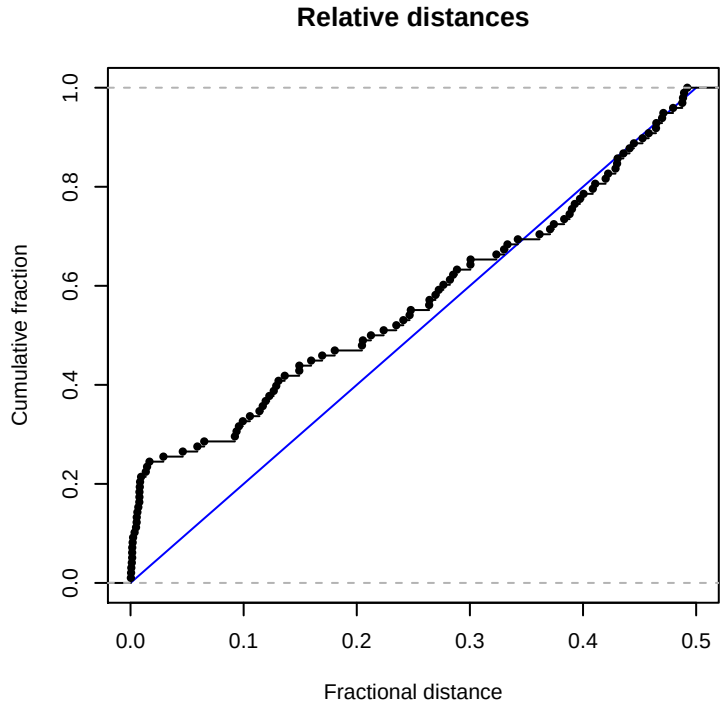




pcontig_112

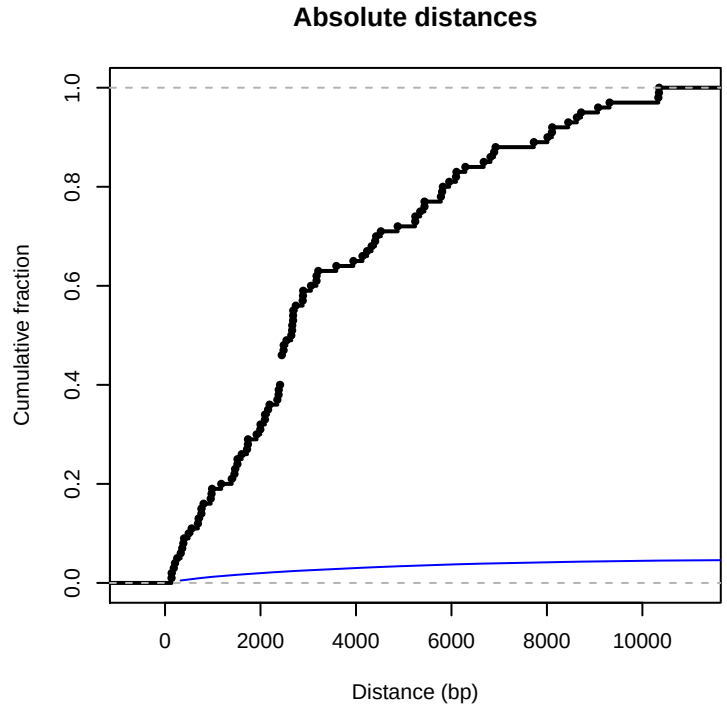
Query population : 98
Reference population : 18
Relative Ks p−value : 0.000255001
Relative ecdf deviation area : 0.0352655
Relative ecdf area correlation : 0.121321
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.63766e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 12.957

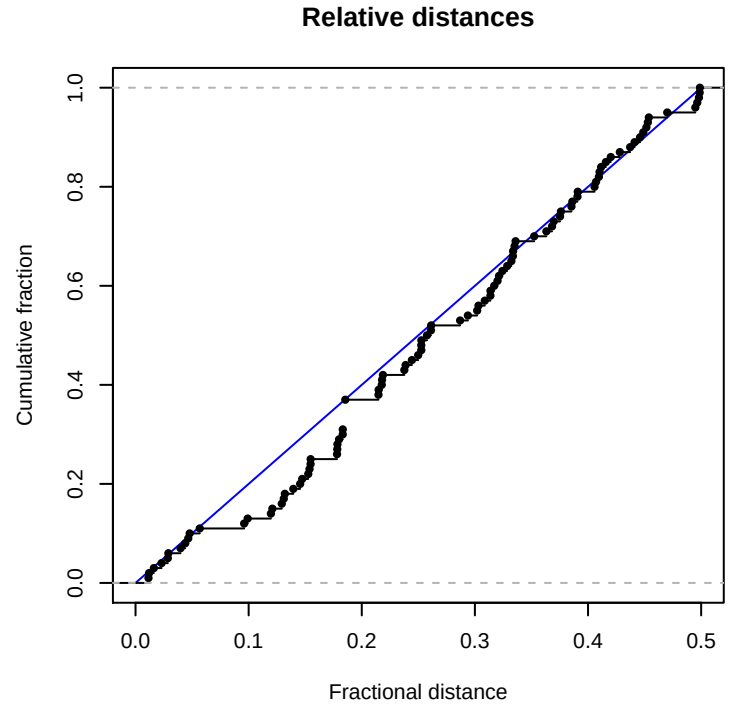




pcontig_115

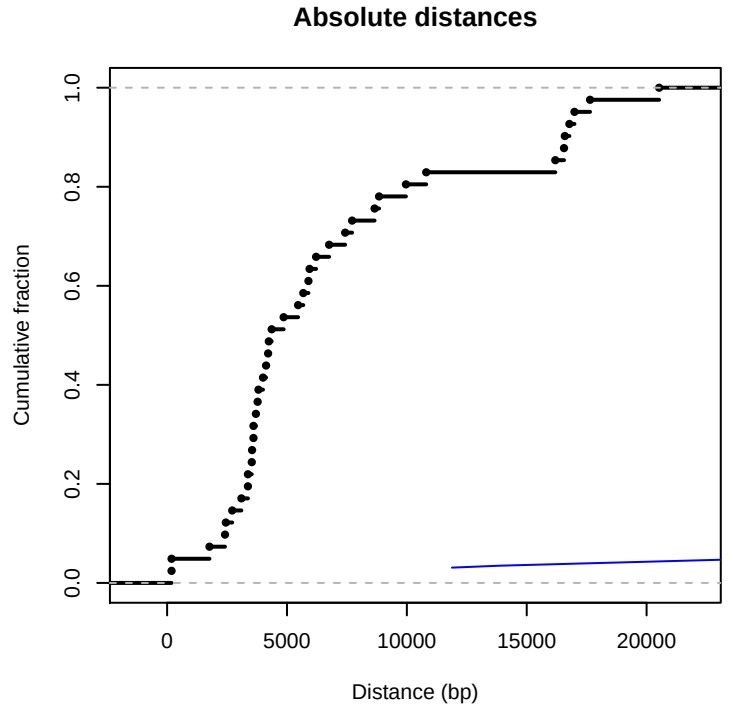
Query population : 100
Reference population : 23
Relative Ks p−value : 0.182998
Relative ecdf deviation area : 0.017442
Relative ecdf area correlation : −0.063051
Relative ecdf deviation area p−value : 0.33
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.92002e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.6618

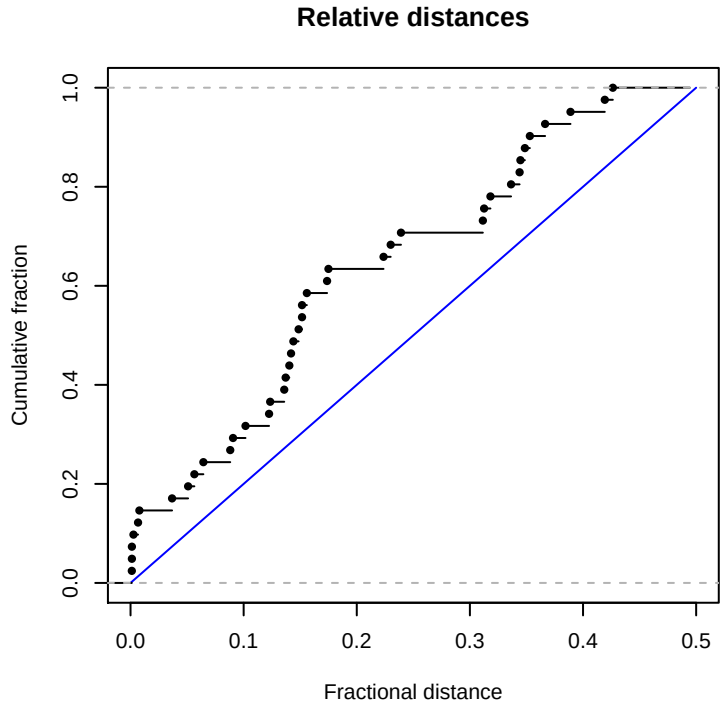




pcontig_118

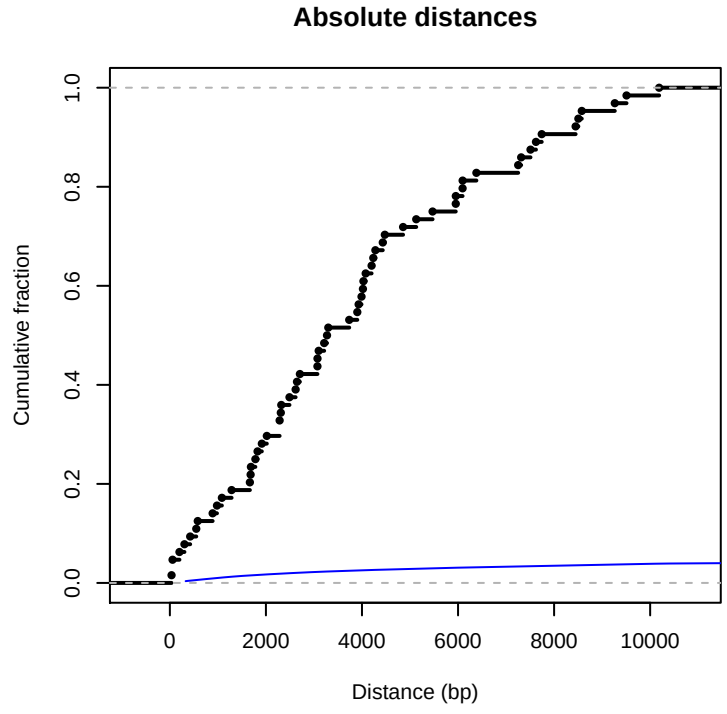
Query population : 41
Reference population : 4
Relative Ks p−value : 0.00200316
Relative ecdf deviation area : 0.0699209
Relative ecdf area correlation : 0.280646
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.57983e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 42.3197

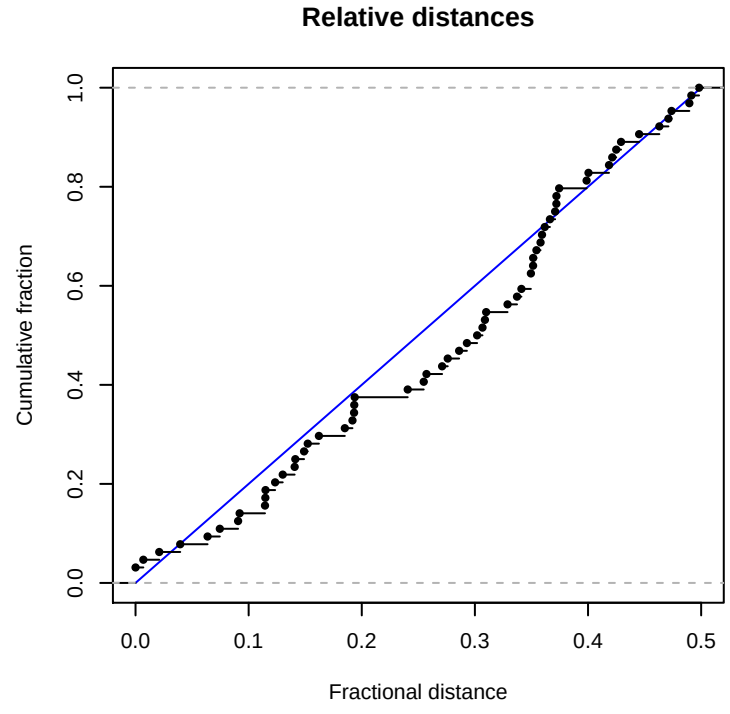




pcontig_120

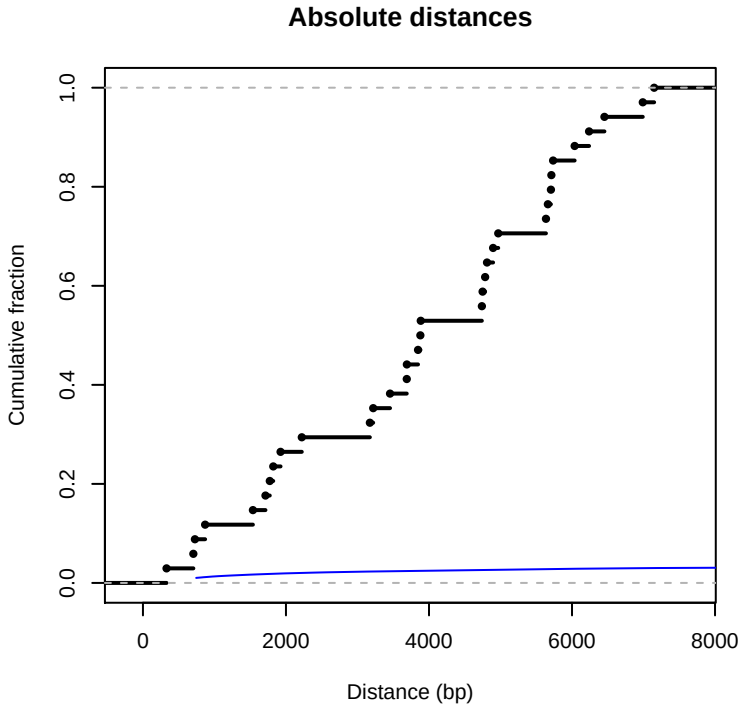
Query population : 64
Reference population : 17
Relative Ks p−value : 0.290008
Relative ecdf deviation area : 0.024057
Relative ecdf area correlation : −0.0823861
Relative ecdf deviation area p−value : 0.17
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.33242e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.9237

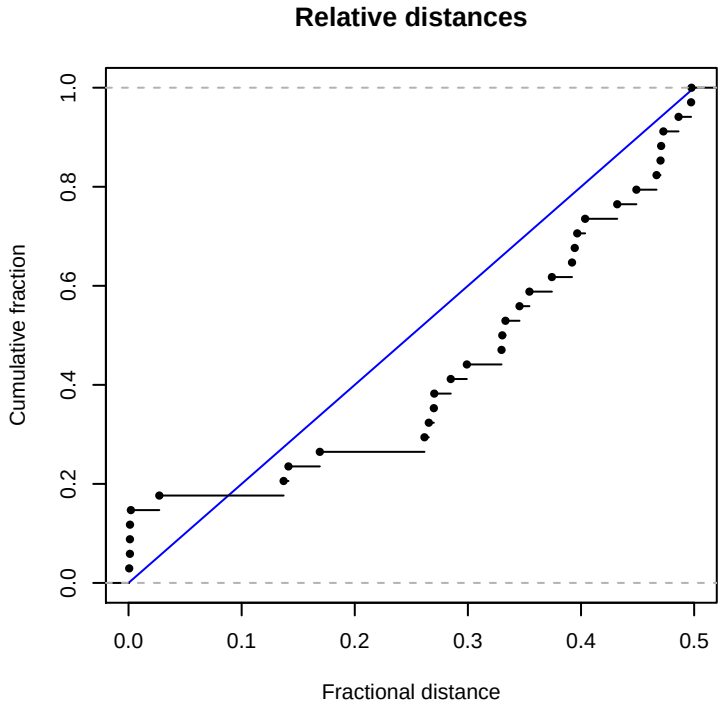




pcontig_129

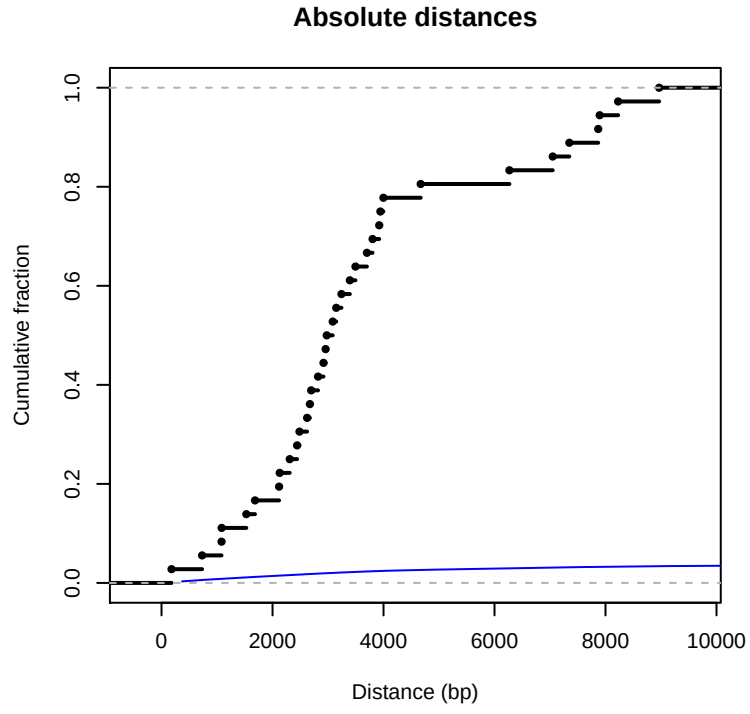
Query population : 34
Reference population : 21
Relative Ks p−value : 0.0171585
Relative ecdf deviation area : 0.0583451
Relative ecdf area correlation : −0.179925
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.303573
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

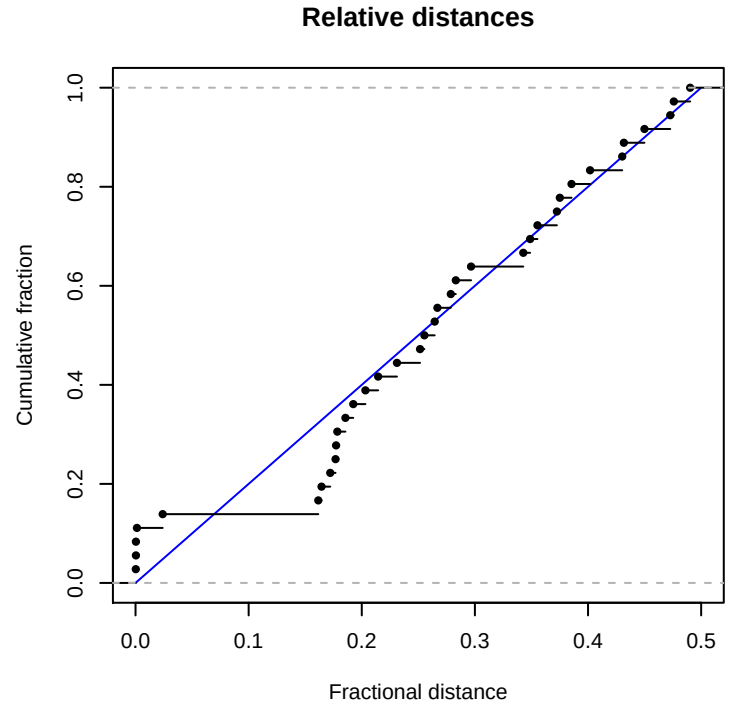




pcontig_130

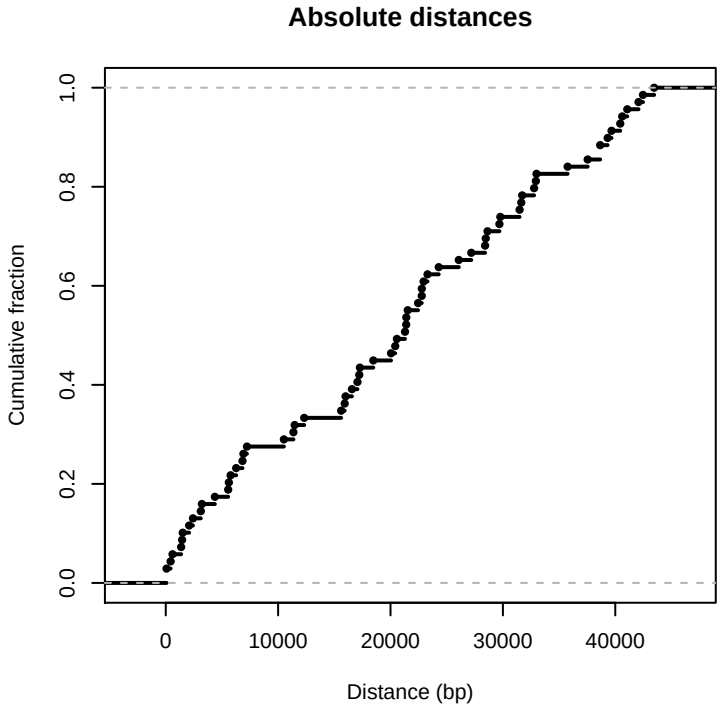
Query population : 36
Reference population : 13
Relative Ks p−value : 0.152761
Relative ecdf deviation area : 0.0213469
Relative ecdf area correlation : −0.0347221
Relative ecdf deviation area p−value : 0.56
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0200298
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.60273

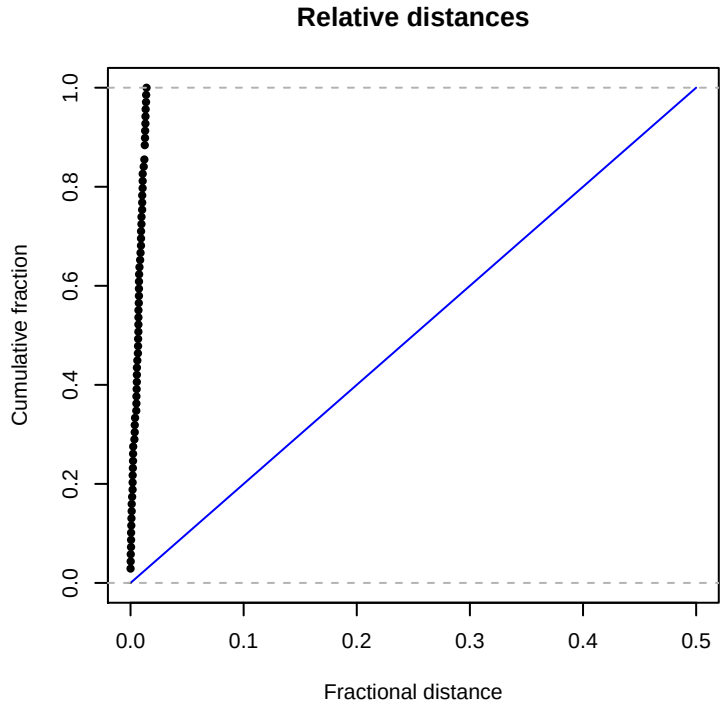




pcontig_134

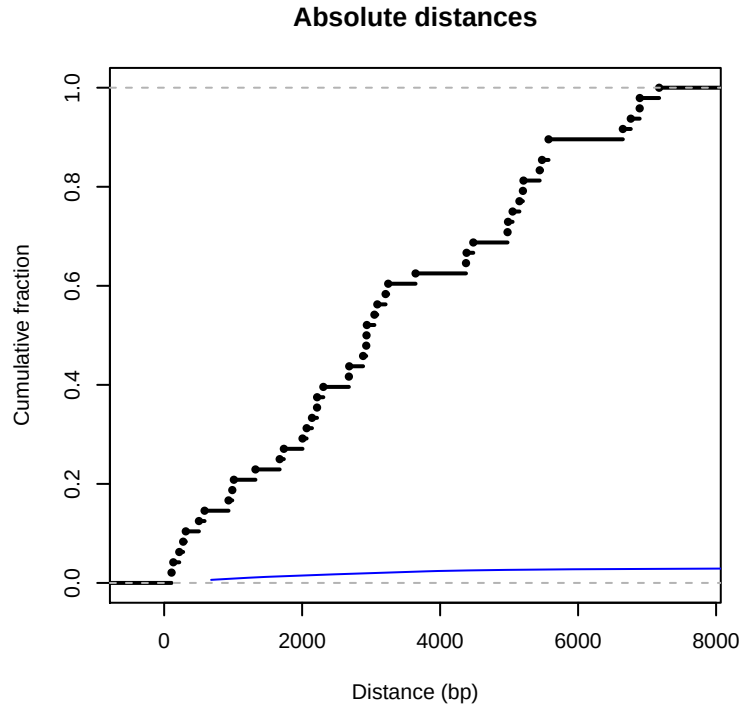
Query population : 69
Reference population : 1
Relative Ks p−value : 1.88738e−15
Relative ecdf deviation area : 0.243347
Relative ecdf area correlation : 0.973562
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.49963e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 331.111

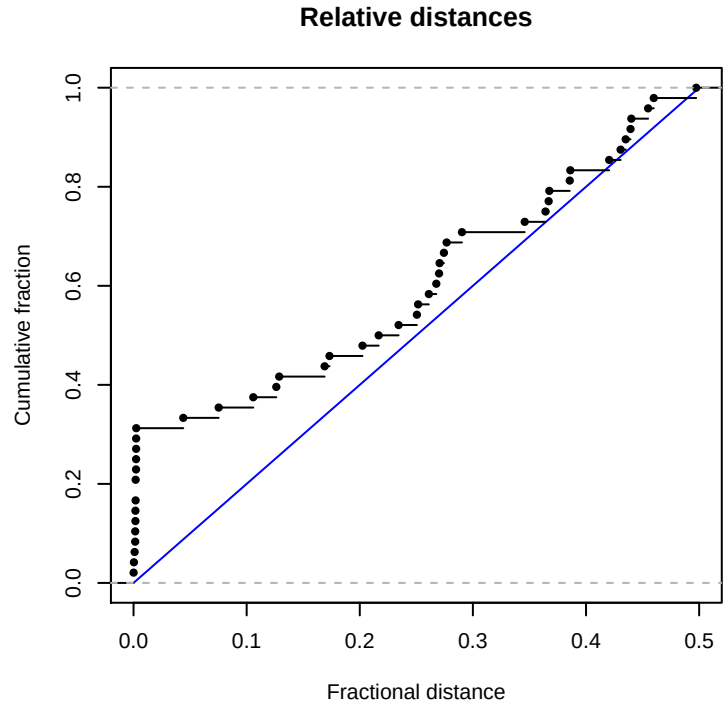




pcontig_138

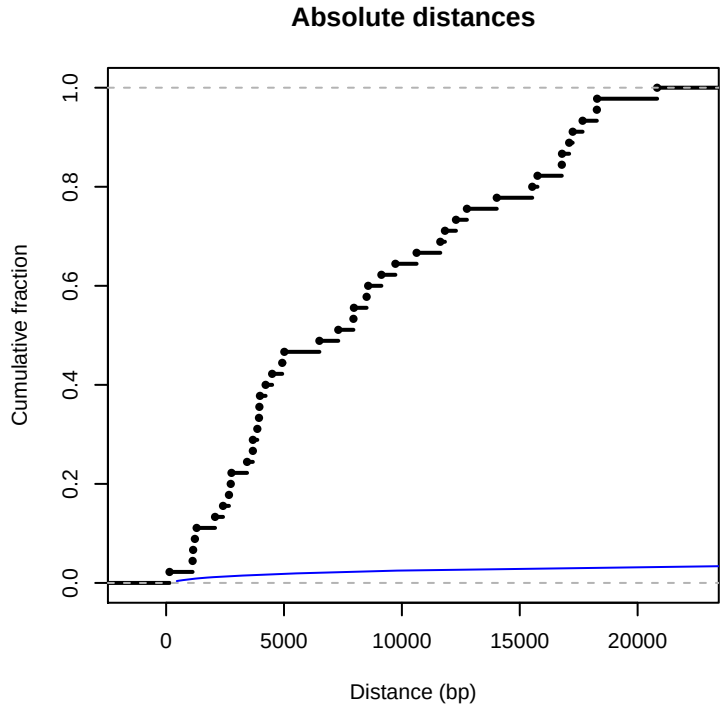
Query population : 48
Reference population : 14
Relative Ks p−value : 0.000156102
Relative ecdf deviation area : 0.0480795
Relative ecdf area correlation : 0.191086
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.9515e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 15.208

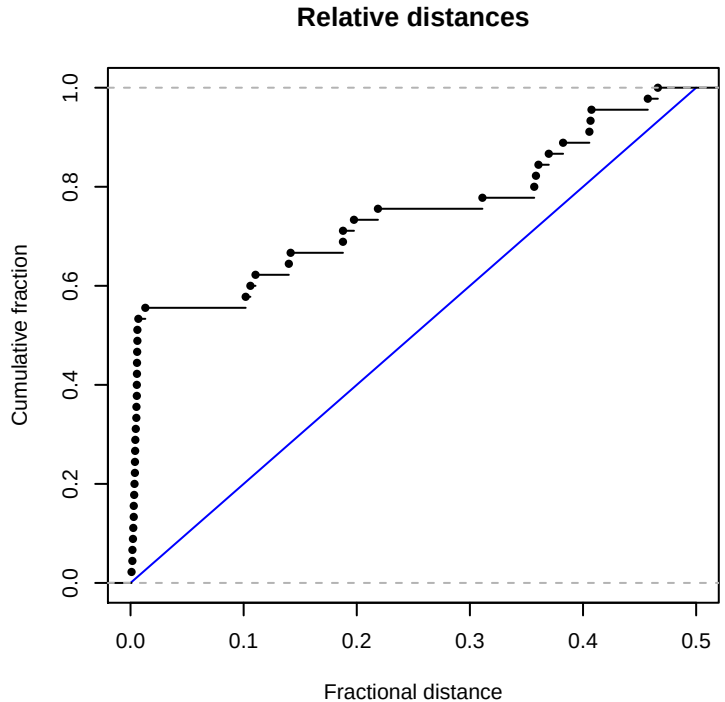




pcontig_139

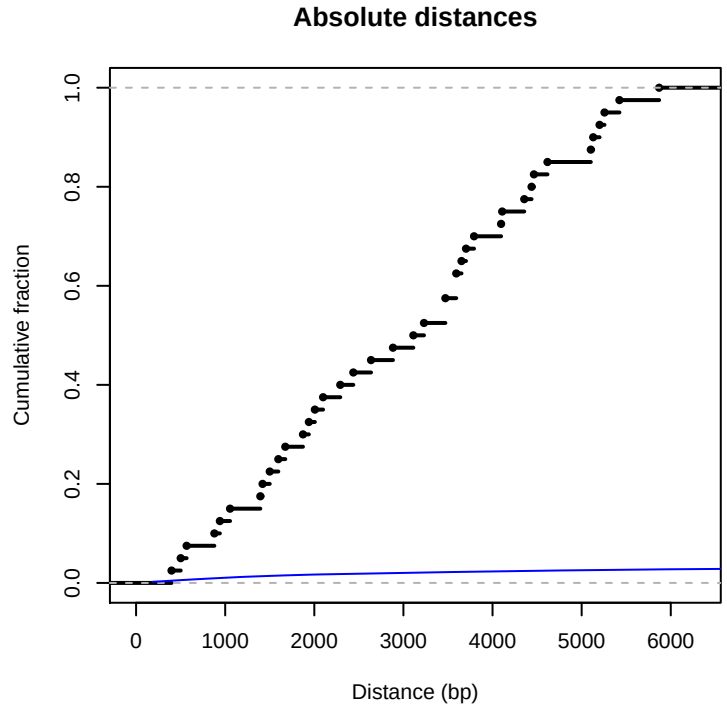
Query population : 45
Reference population : 13
Relative Ks p−value : 2.72615e−12
Relative ecdf deviation area : 0.121491
Relative ecdf area correlation : 0.485649
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.019141
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.72666

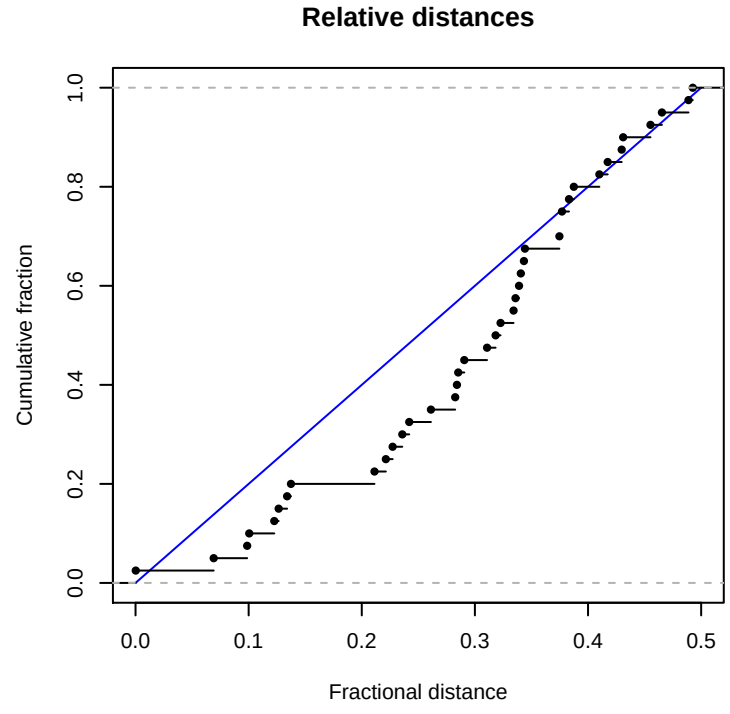




pcontig_140

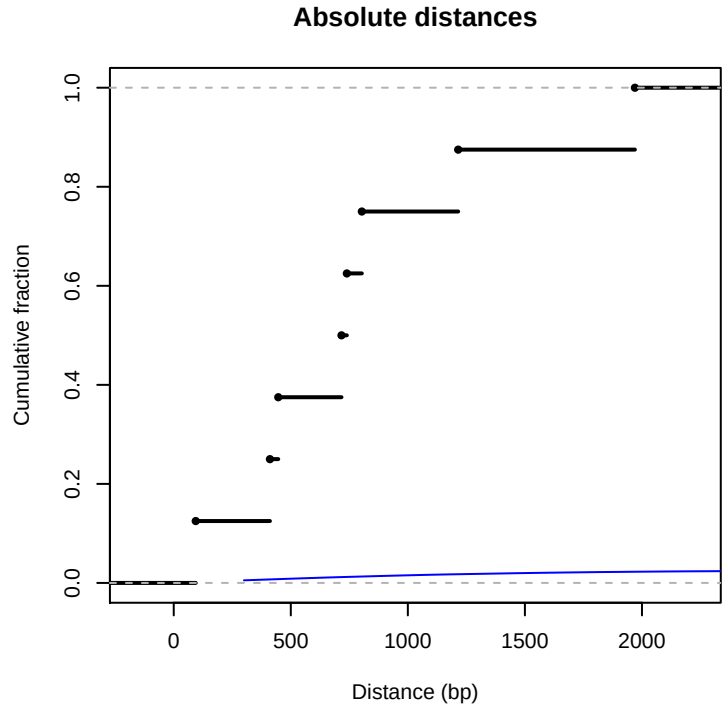
Query population : 40
Reference population : 18
Relative Ks p−value : 0.0321027
Relative ecdf deviation area : 0.0468228
Relative ecdf area correlation : −0.18087
Relative ecdf deviation area p−value : 0.0600000000000001
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.022047
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.37632

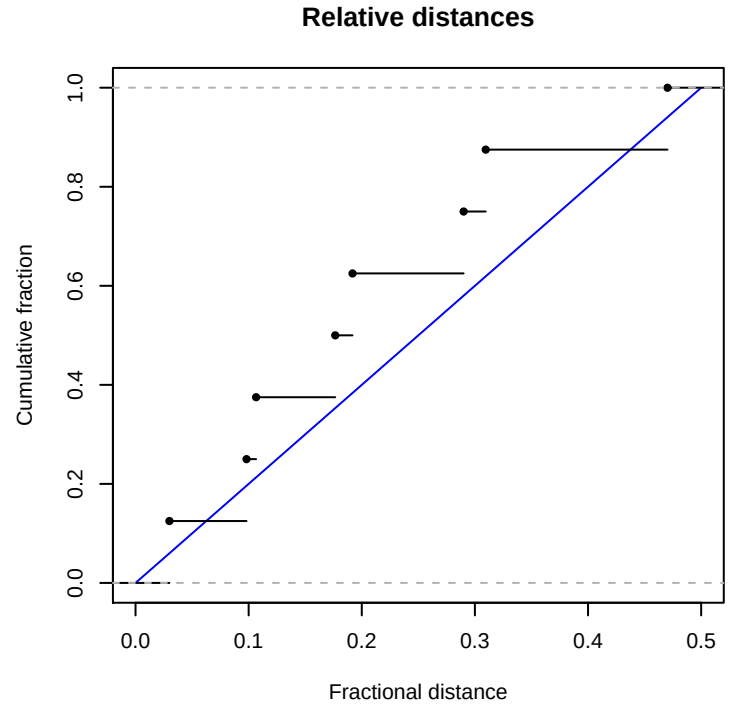




pcontig_146

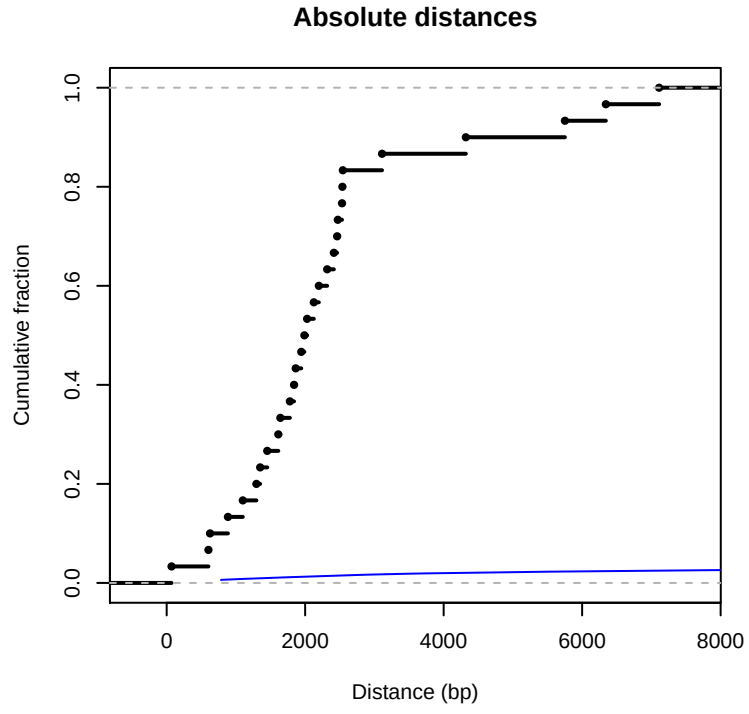
Query population : 8
Reference population : 27
Relative Ks p−value : 0.585723
Relative ecdf deviation area : 0.0476673
Relative ecdf area correlation : 0.163544
Relative ecdf deviation area p−value : 0.53
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00382296
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.4443

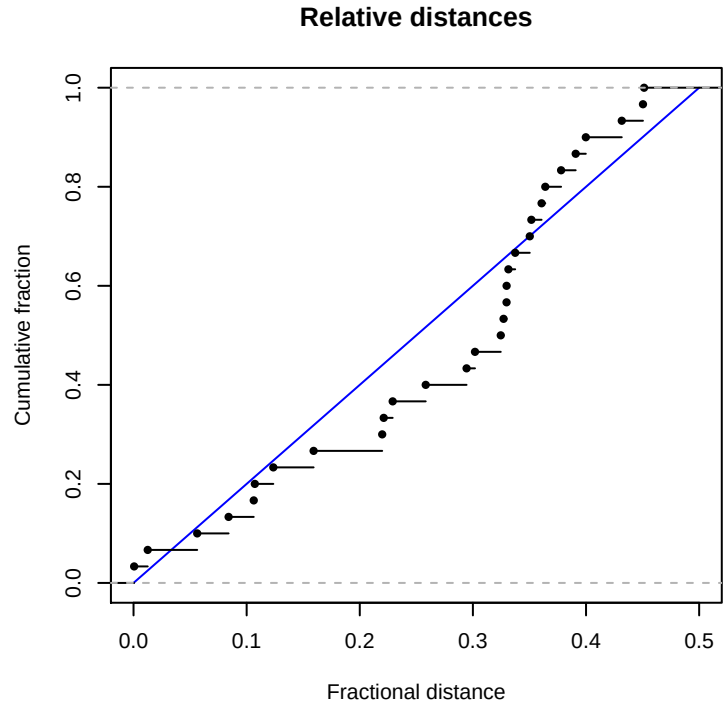




pcontig_147

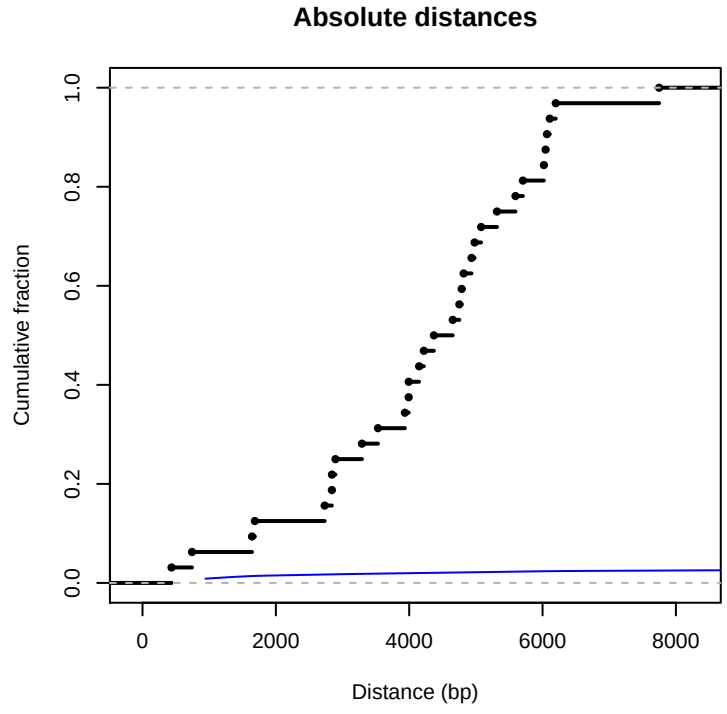
Query population : 30
Reference population : 12
Relative Ks p−value : 0.207201
Relative ecdf deviation area : 0.036991
Relative ecdf area correlation : −0.0777115
Relative ecdf deviation area p−value : 0.2
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.015278
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.30584

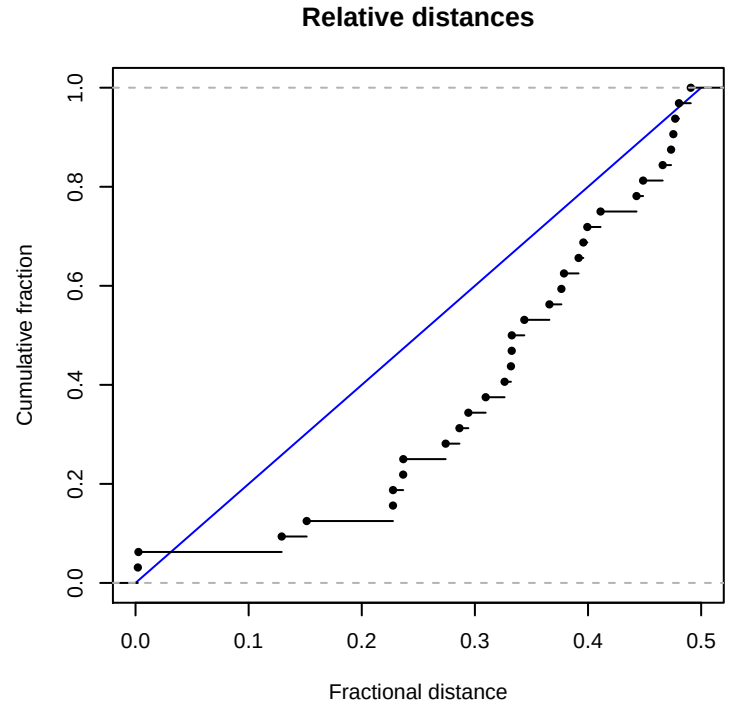




pcontig_148

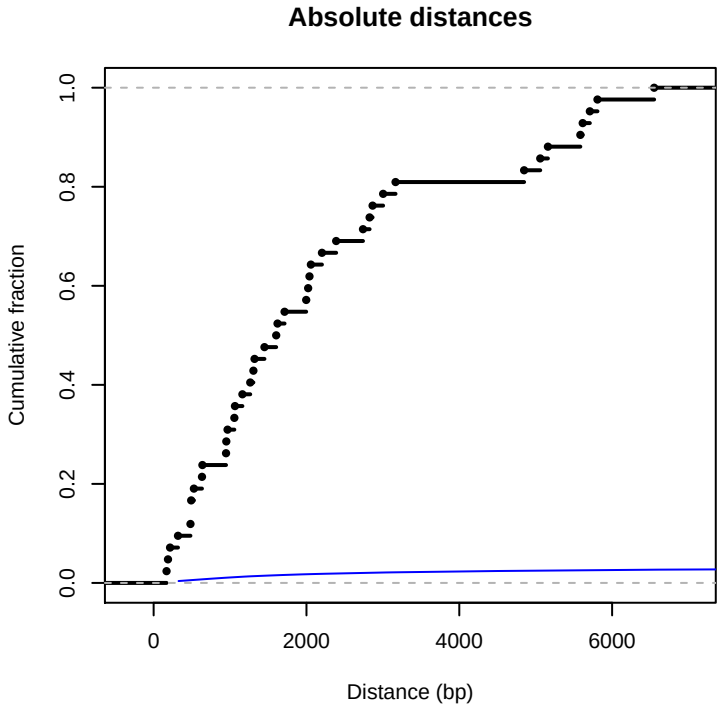
Query population : 32
Reference population : 14
Relative Ks p−value : 0.00130932
Relative ecdf deviation area : 0.0804531
Relative ecdf area correlation : −0.314832
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0387832
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.20883

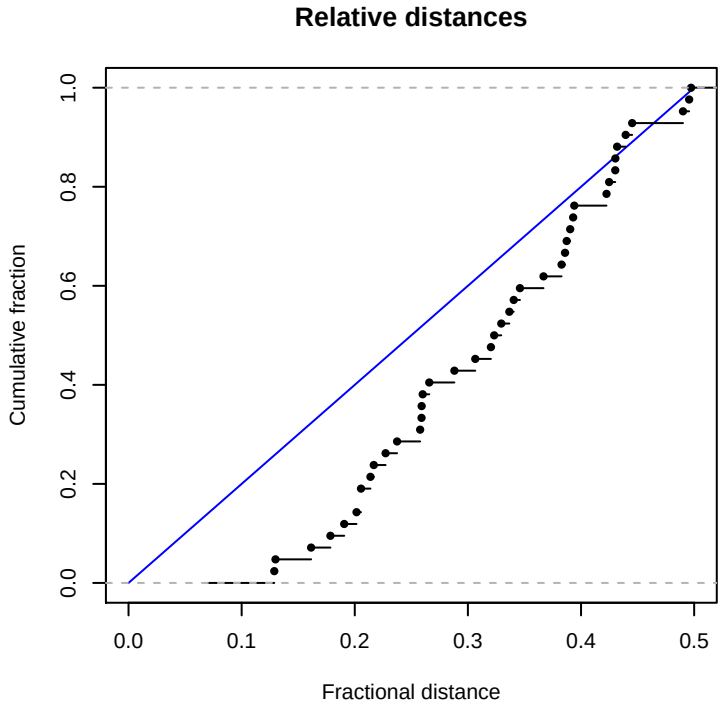




pcontig_149

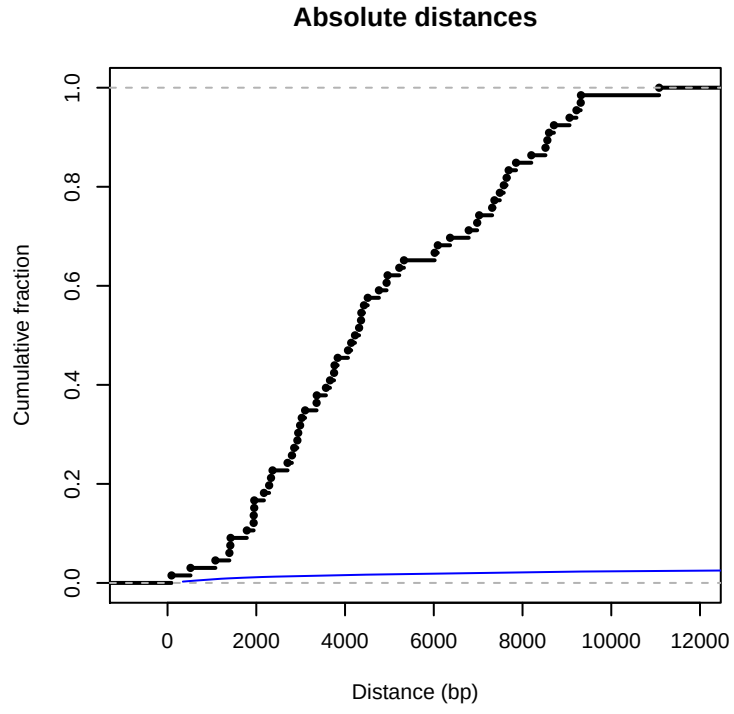
Query population : 42
Reference population : 18
Relative Ks p−value : 0.00154938
Relative ecdf deviation area : 0.0701265
Relative ecdf area correlation : −0.275949
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000237457
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.96781

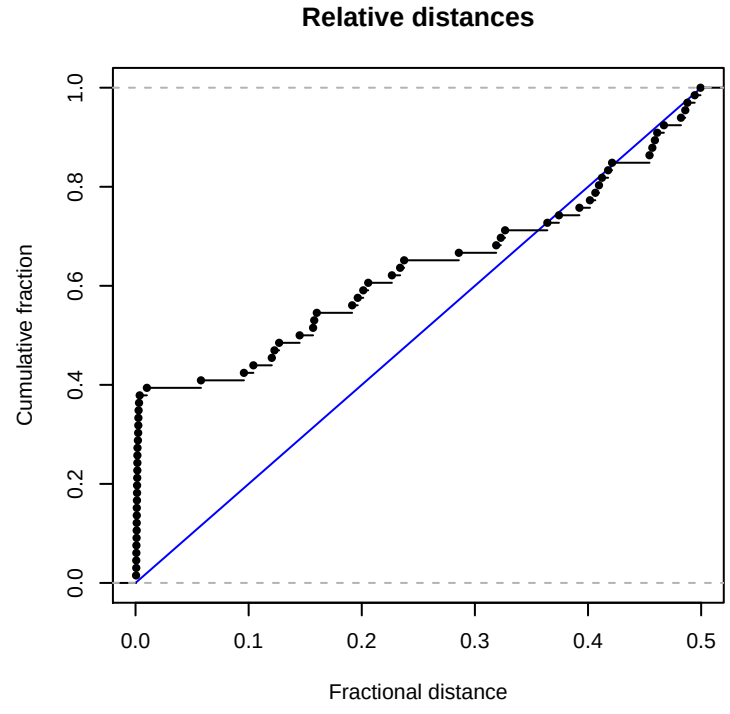




pcontig_150

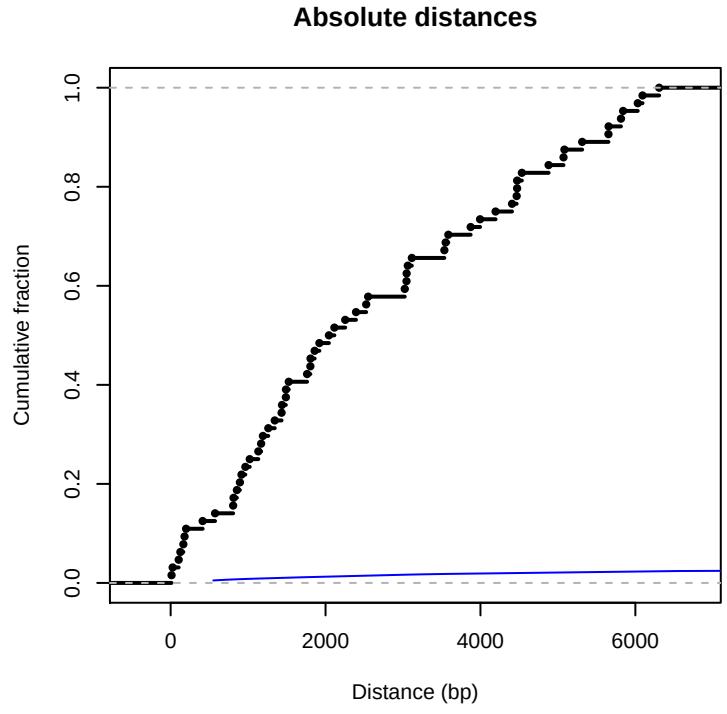
Query population : 66
Reference population : 12
Relative Ks p−value : 8.64004e−09
Relative ecdf deviation area : 0.0688211
Relative ecdf area correlation : 0.248907
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.05
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0336575
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.4899

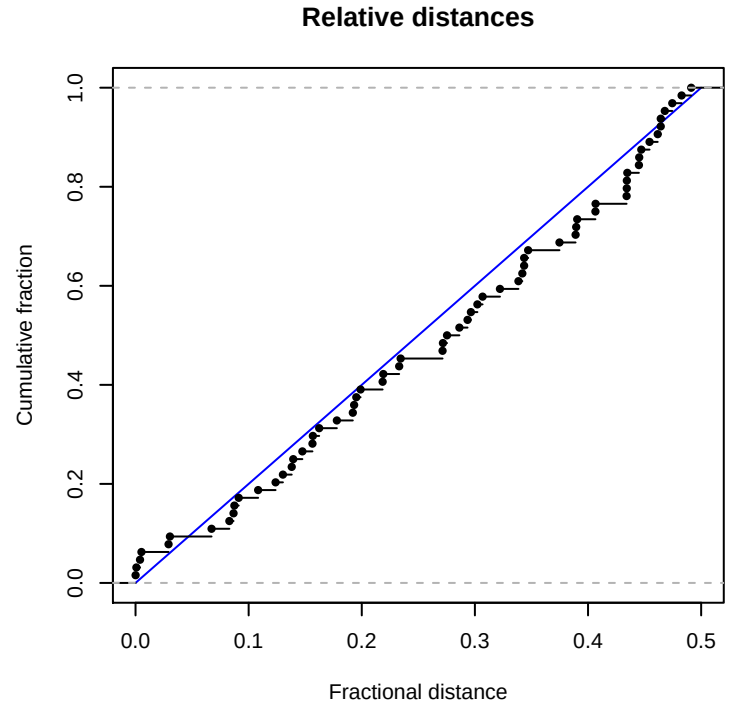




pcontig_152

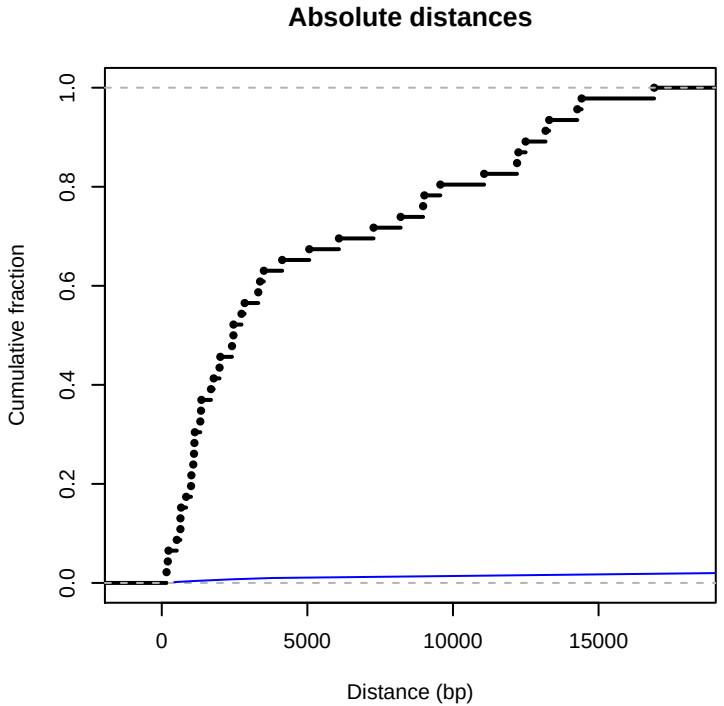
Query population : 64
Reference population : 14
Relative Ks p−value : 0.479973
Relative ecdf deviation area : 0.0200979
Relative ecdf area correlation : −0.071444
Relative ecdf deviation area p−value : 0.39
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.38827e−11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 26.6632

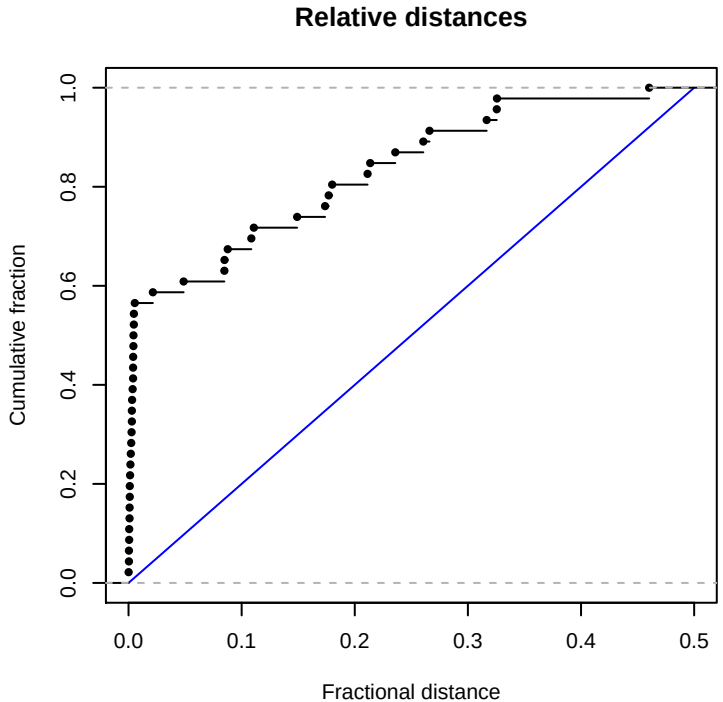




pcontig_154

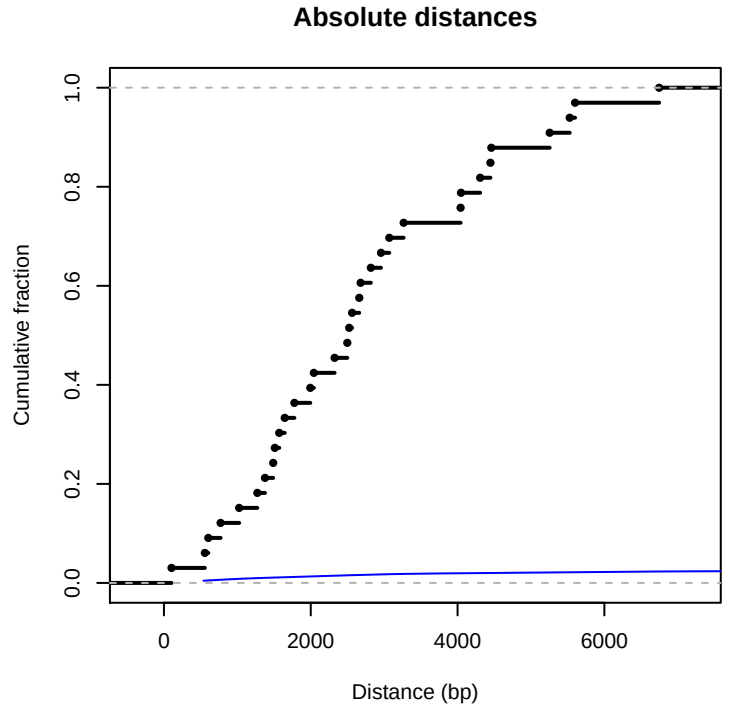
Query population : 46
Reference population : 6
Relative Ks p−value : 8.17124e−14
Relative ecdf deviation area : 0.165399
Relative ecdf area correlation : 0.660307
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.81523e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 29.1202

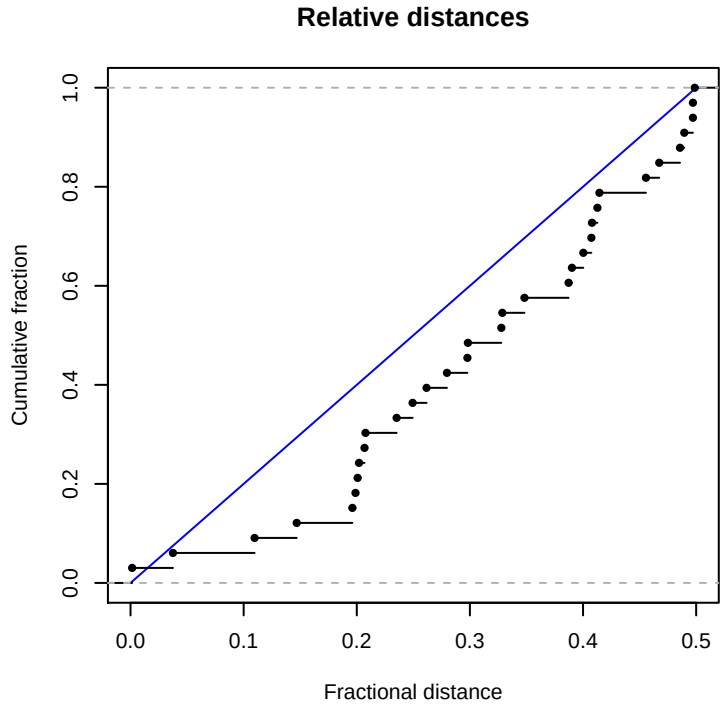




pcontig_157

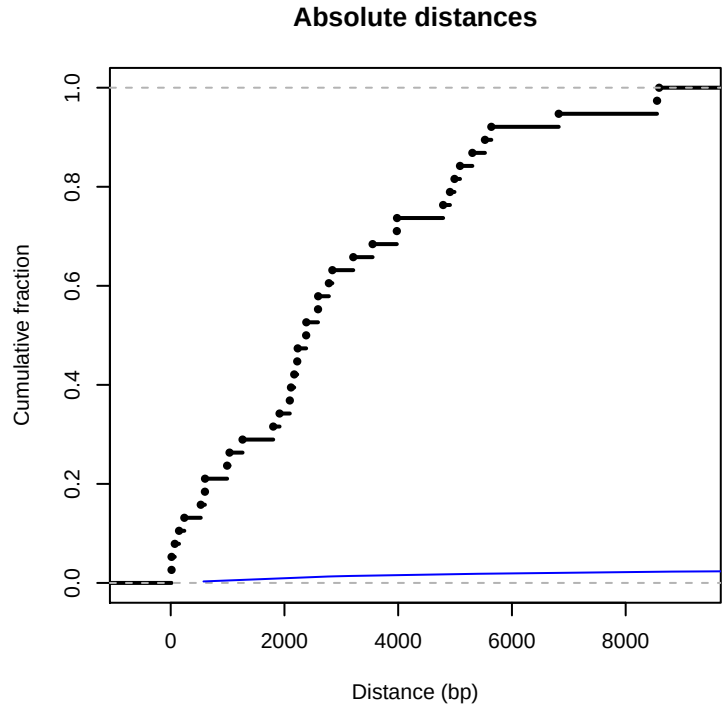
Query population : 33
Reference population : 13
Relative Ks p−value : 0.012455
Relative ecdf deviation area : 0.0637523
Relative ecdf area correlation : −0.254044
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00949239
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.82779

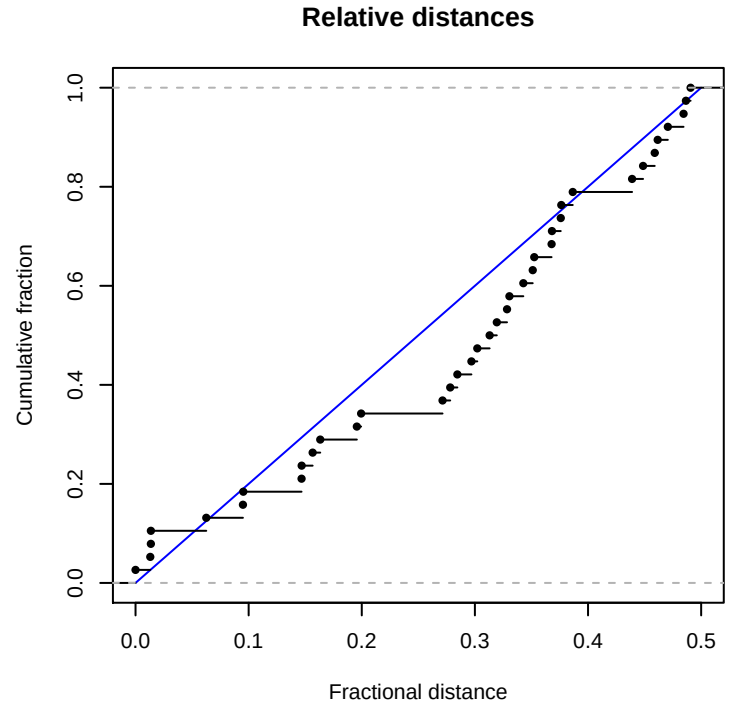




pcontig_163

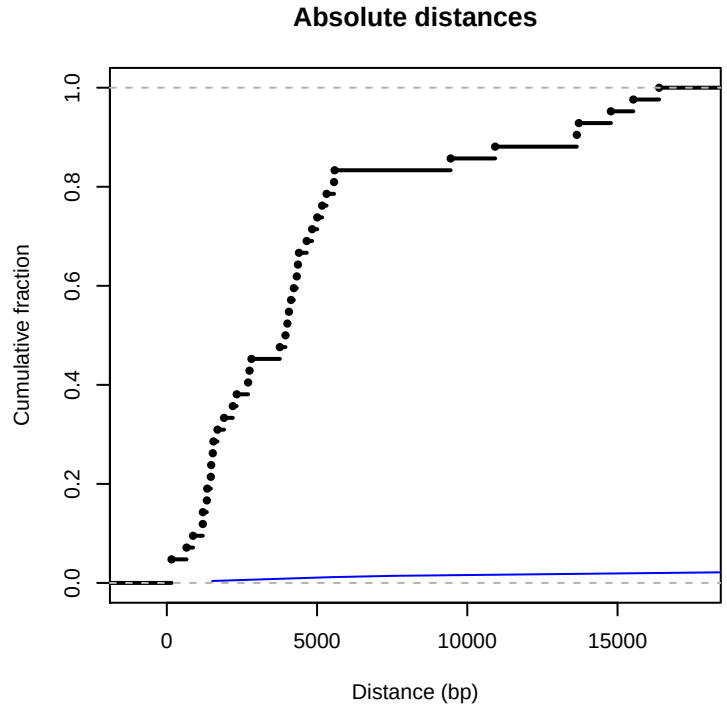
Query population : 38
Reference population : 8
Relative Ks p−value : 0.0811111
Relative ecdf deviation area : 0.0352078
Relative ecdf area correlation : −0.124983
Relative ecdf deviation area p−value : 0.19
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p−value : 9.27012e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 22.8014

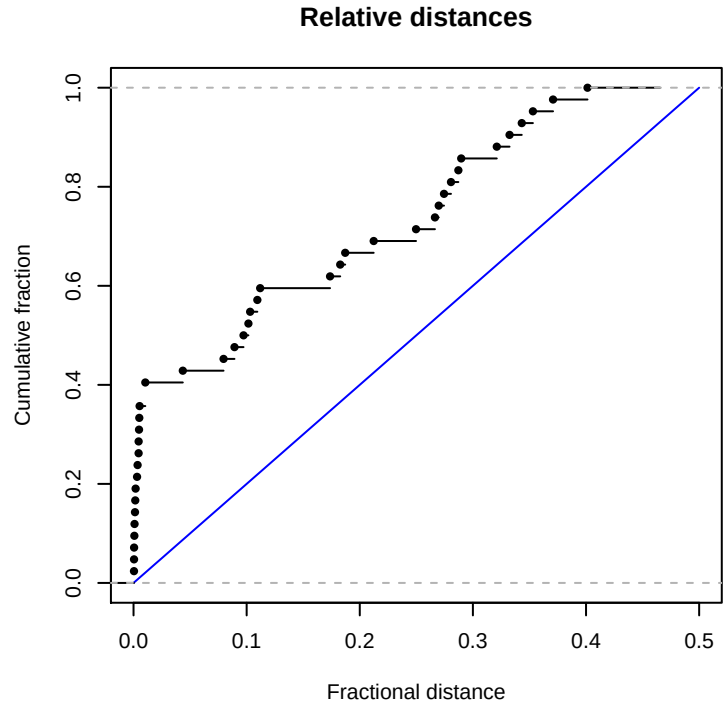




pcontig_164

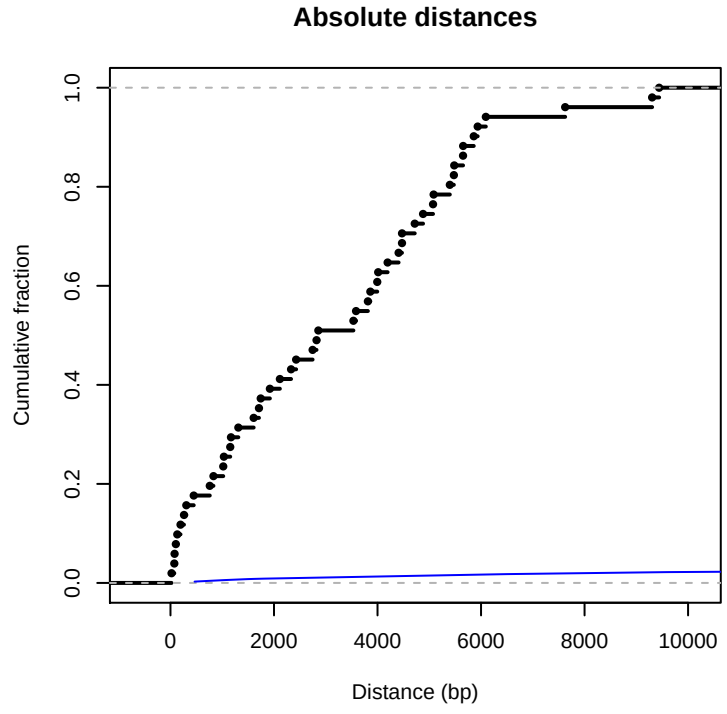
Query population : 42
Reference population : 4
Relative Ks p−value : 4.44265e−06
Relative ecdf deviation area : 0.117311
Relative ecdf area correlation : 0.46754
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.03683e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 66.9997

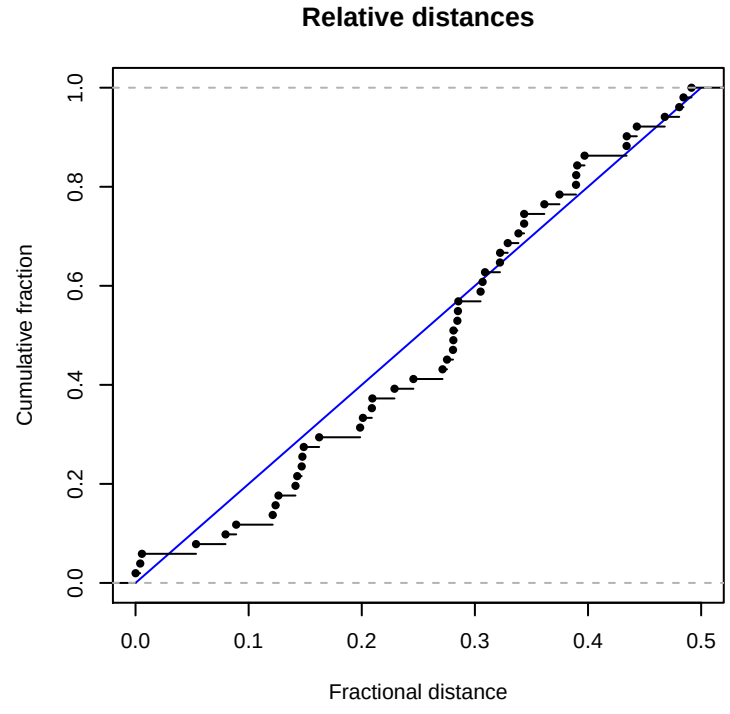




pcontig_165

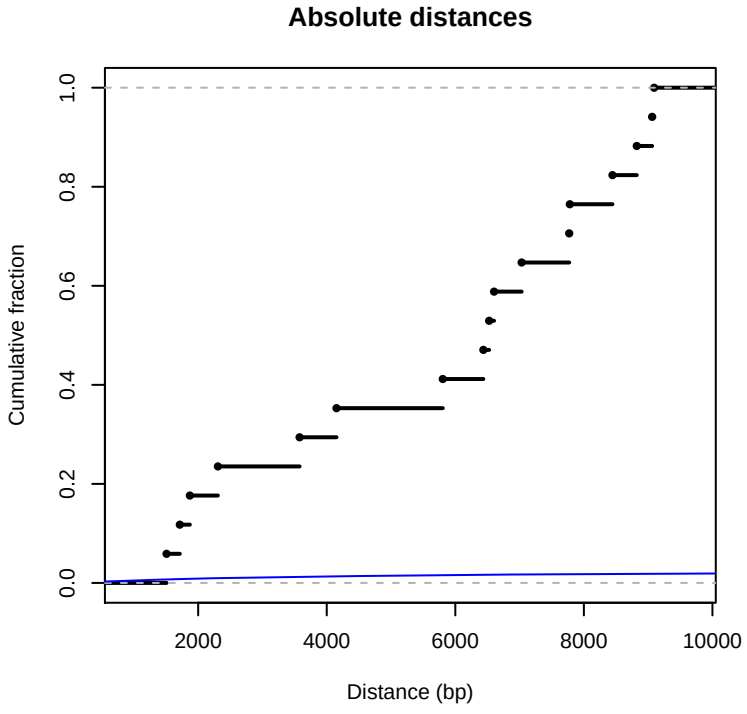
Query population : 51
Reference population : 9
Relative Ks p−value : 0.317119
Relative ecdf deviation area : 0.0239563
Relative ecdf area correlation : −0.0578708
Relative ecdf deviation area p−value : 0.36
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.85088e−14
Projection test lower tail : FALSE
Projection test observed to expected ratio : 51.7577

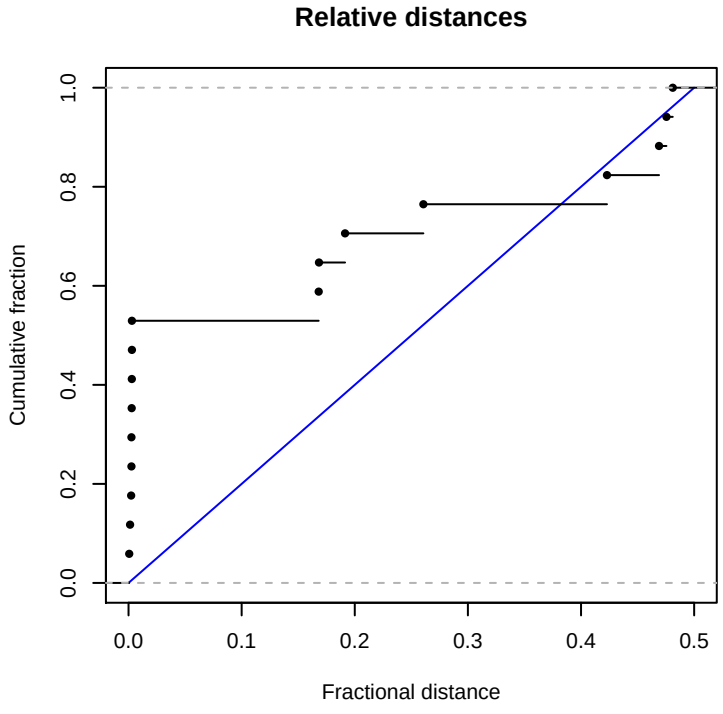




pcontig_166

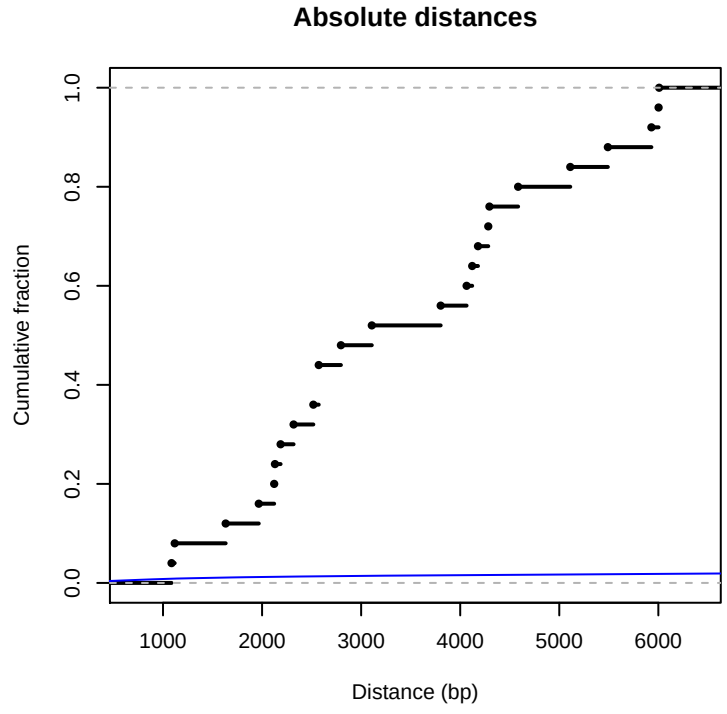
Query population : 17
Reference population : 8
Relative Ks p−value : 7.30045e−05
Relative ecdf deviation area : 0.104333
Relative ecdf area correlation : 0.374559
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.11
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0851576
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

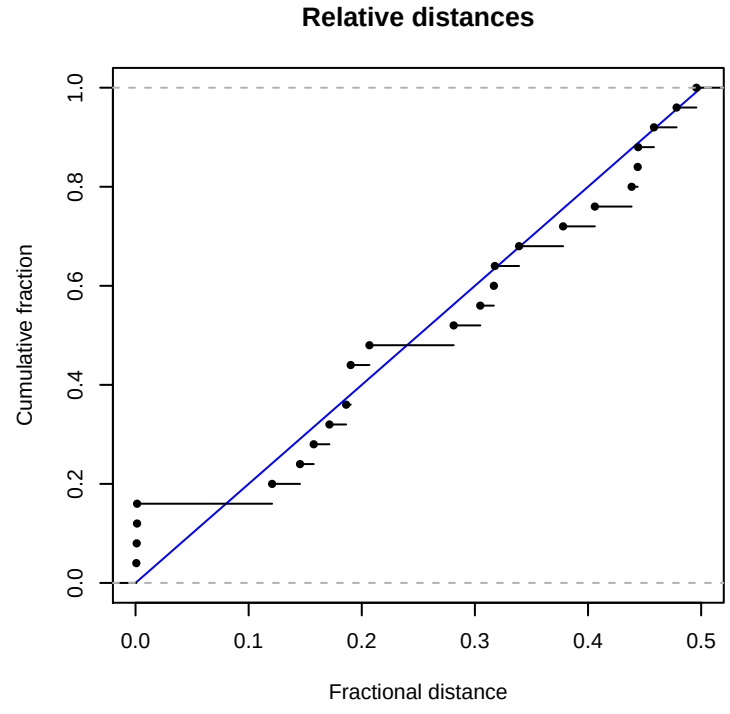




pcontig_170

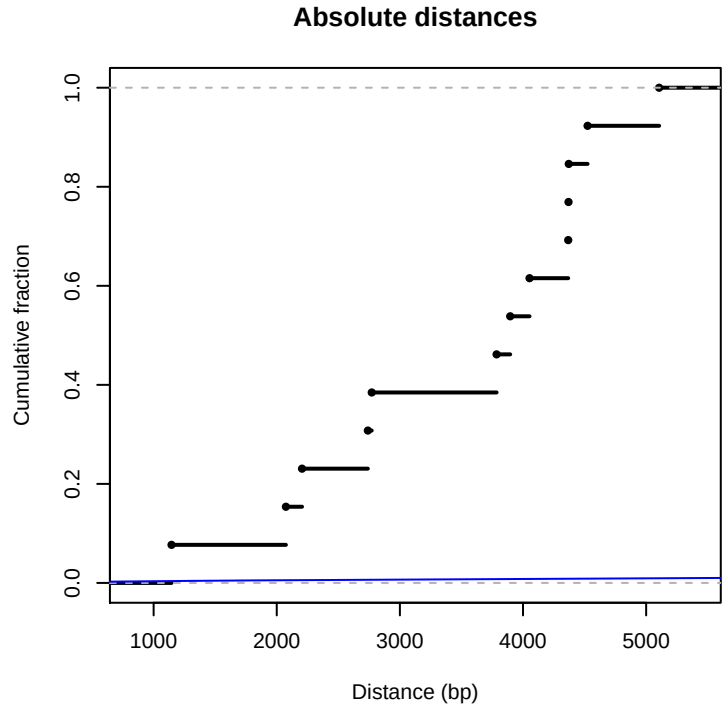
Query population : 25
Reference population : 14
Relative Ks p−value : 0.51645
Relative ecdf deviation area : 0.0246719
Relative ecdf area correlation : −0.0360836
Relative ecdf deviation area p−value : 0.6
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0971933
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

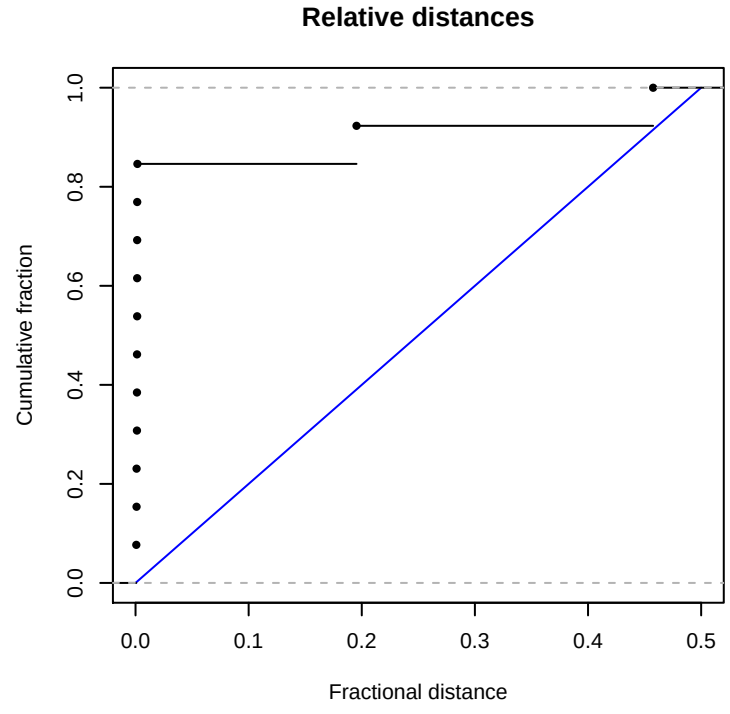




pcontig_171

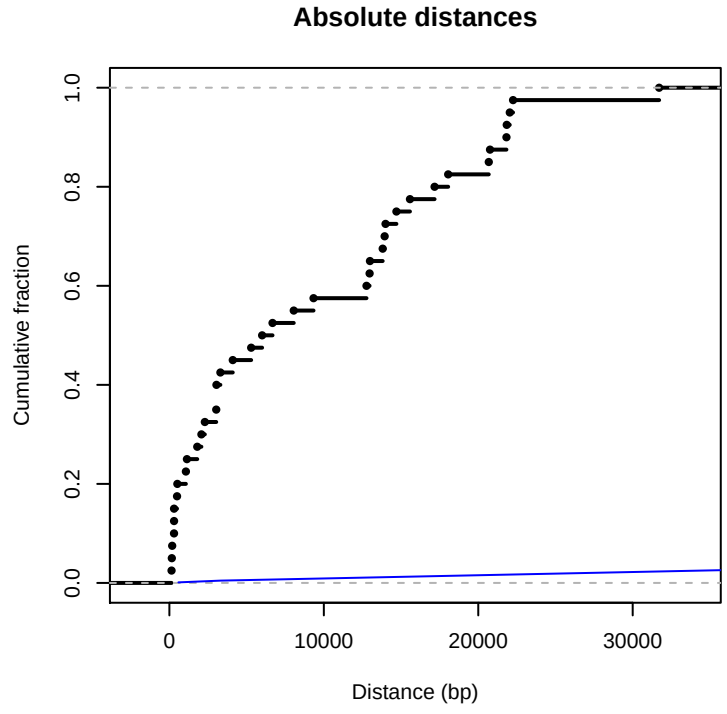
Query population : 13
Reference population : 7
Relative Ks p−value : 7.31123e−11
Relative ecdf deviation area : 0.198946
Relative ecdf area correlation : 0.794866
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0279027
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

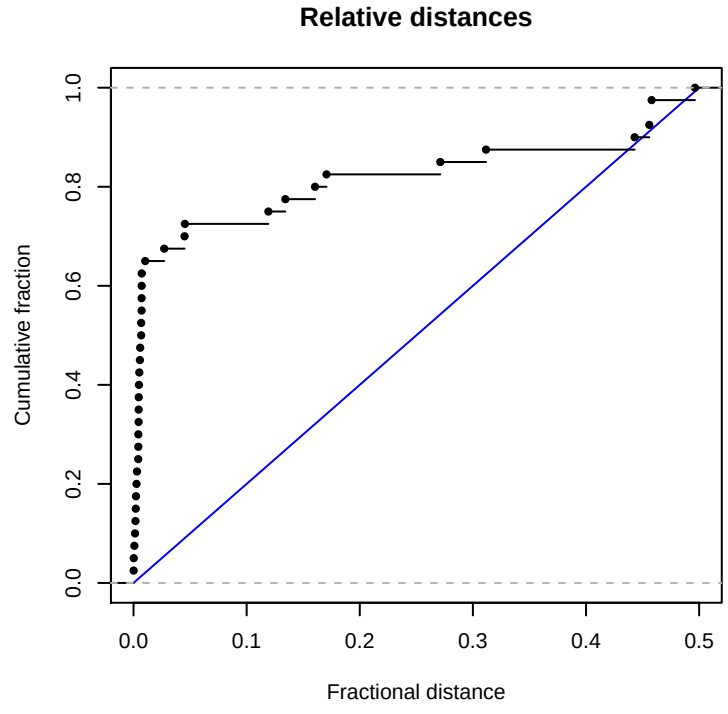




pcontig_172

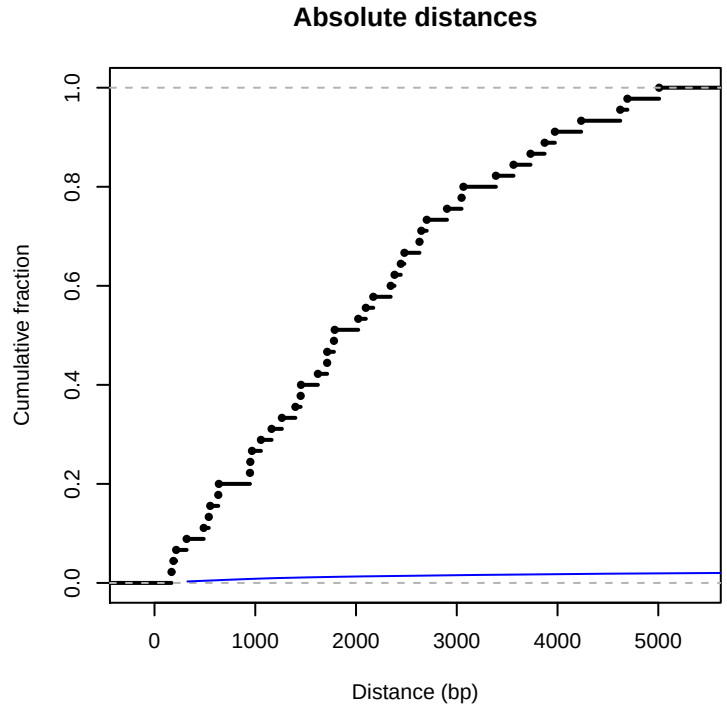
Query population : 40
Reference population : 3
Relative Ks p−value : 0
Relative ecdf deviation area : 0.157539
Relative ecdf area correlation : 0.628978
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.87421e−09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 80.5261

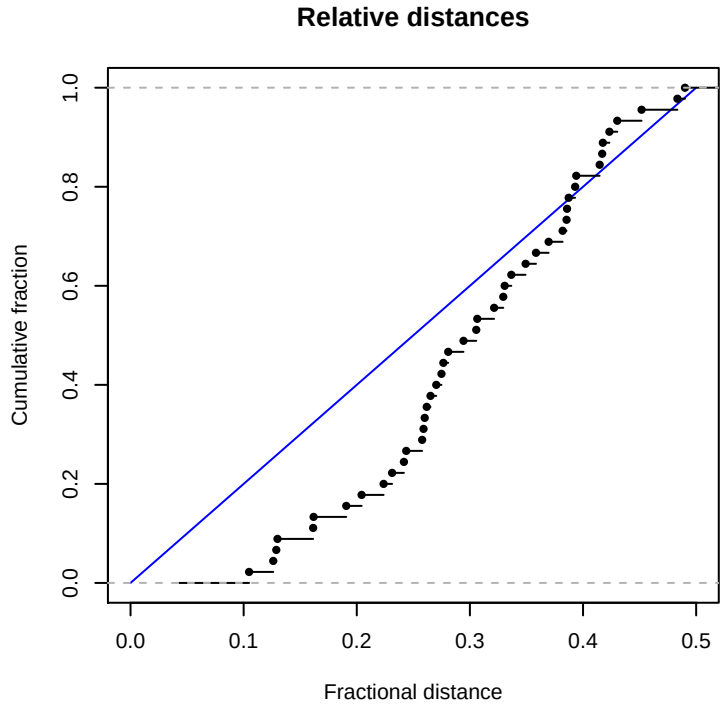




pcontig_173

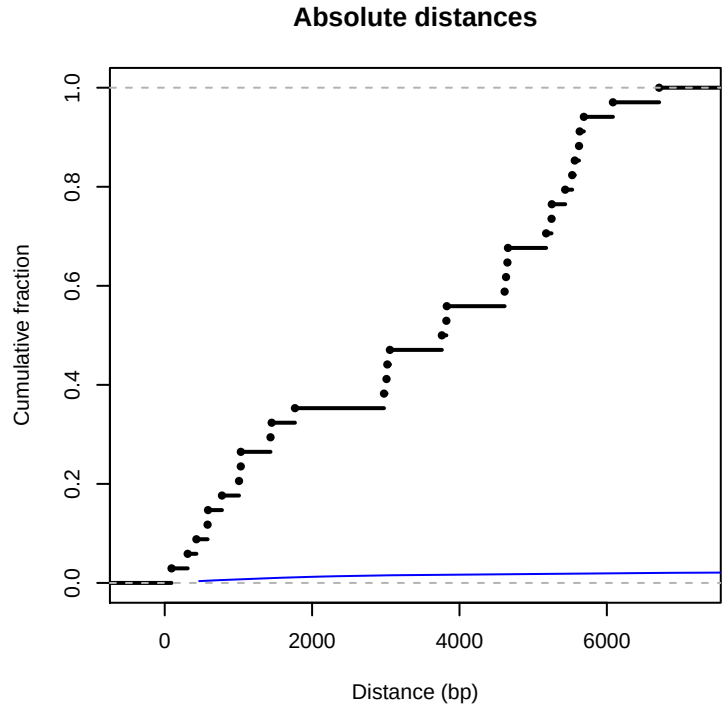
Query population : 45
Reference population : 14
Relative Ks p−value : 0.00221539
Relative ecdf deviation area : 0.0608517
Relative ecdf area correlation : −0.218875
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.93701e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.3649

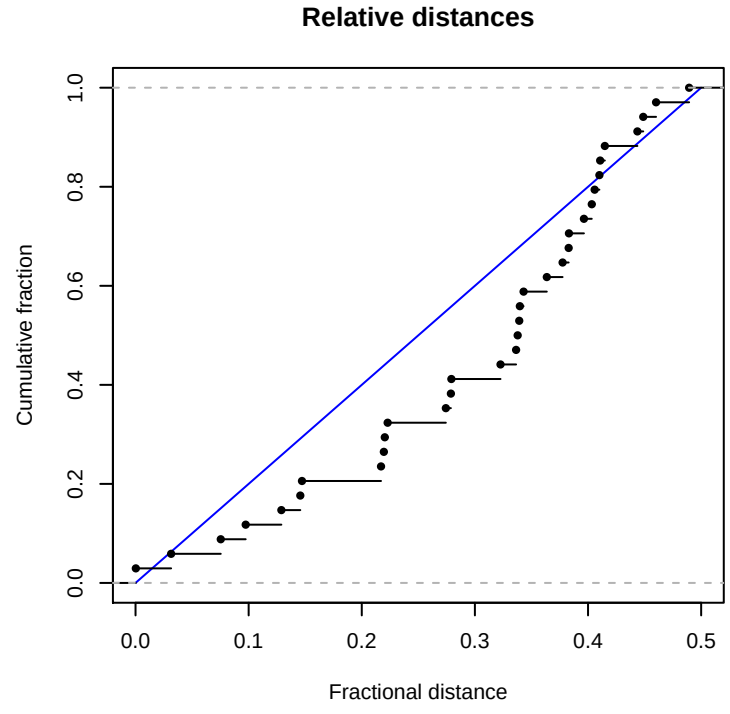




pcontig_174

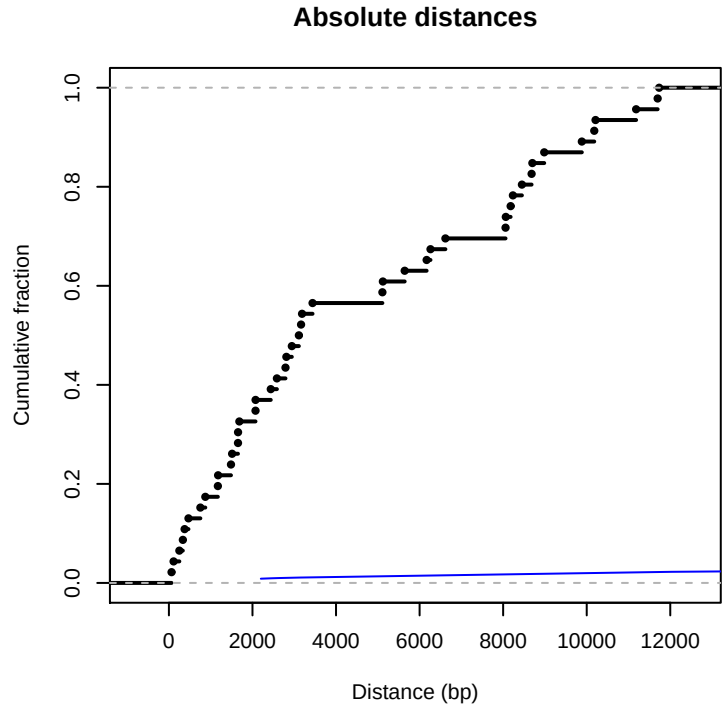
Query population : 34
Reference population : 12
Relative Ks p−value : 0.0409779
Relative ecdf deviation area : 0.0528682
Relative ecdf area correlation : −0.193797
Relative ecdf deviation area p−value : 0.04
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.11148e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 13.1041

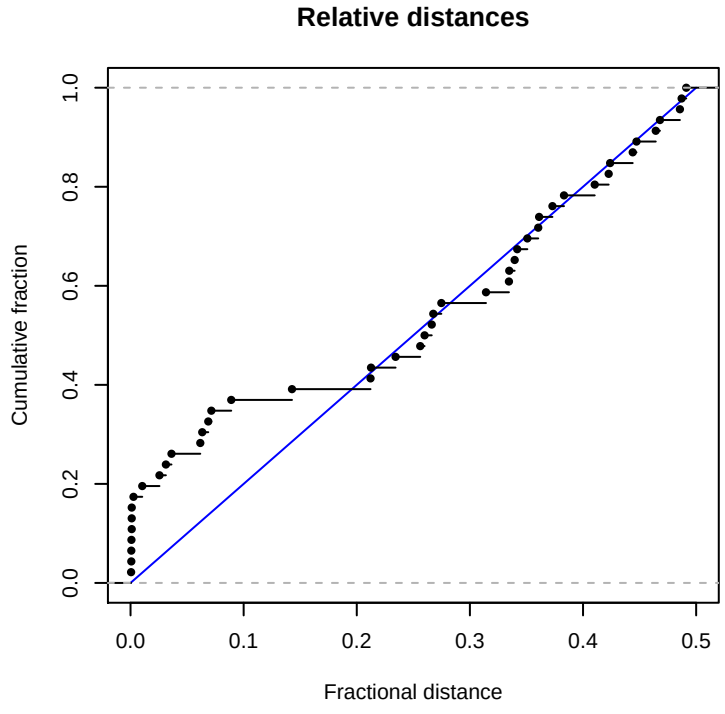




pcontig_176

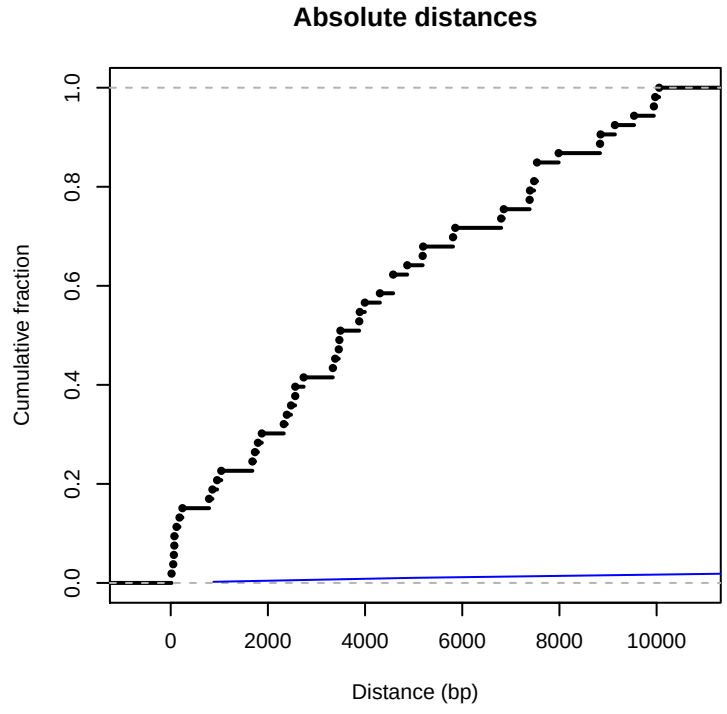
Query population : 46
Reference population : 6
Relative Ks p−value : 0.0359444
Relative ecdf deviation area : 0.0319994
Relative ecdf area correlation : 0.0756
Relative ecdf deviation area p−value : 0.18
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.15966e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 21.9833

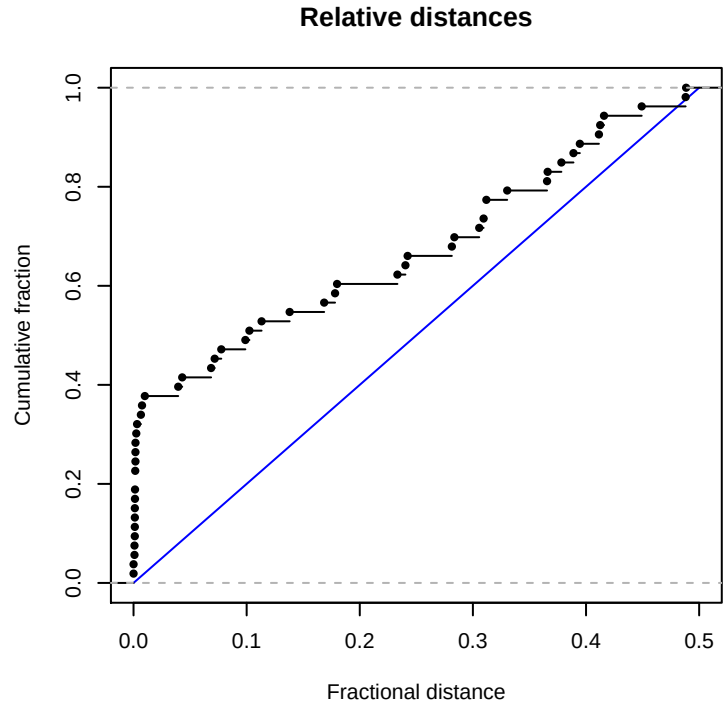




pcontig_177

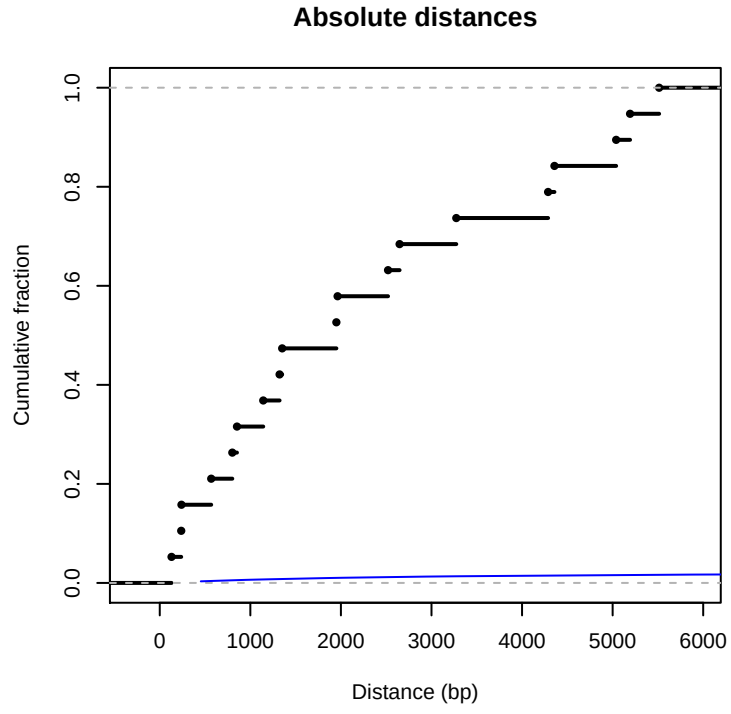
Query population : 53
Reference population : 4
Relative Ks p−value : 1.44995e−06
Relative ecdf deviation area : 0.0856891
Relative ecdf area correlation : 0.340753
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.22045e−16
Projection test lower tail : FALSE
Projection test observed to expected ratio : 161.952

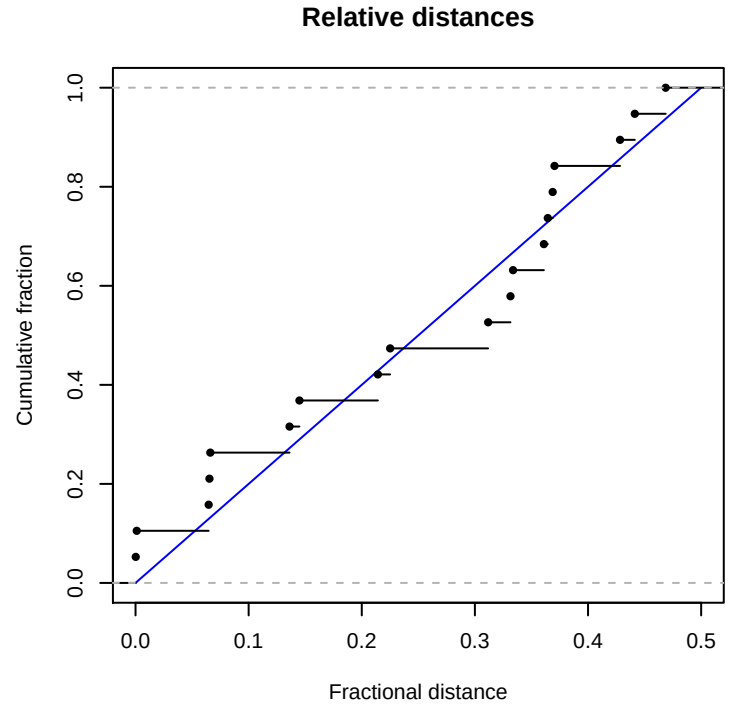




pcontig_179

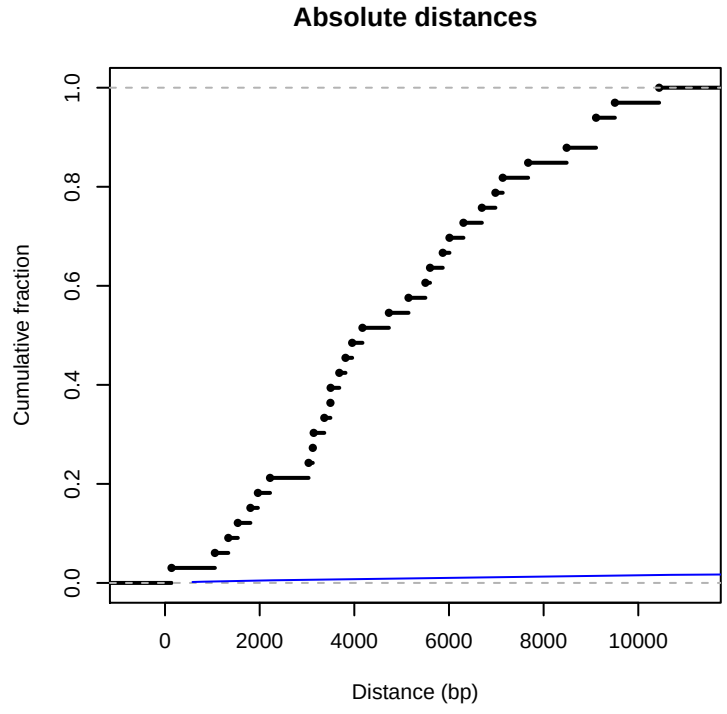
Query population : 19
Reference population : 11
Relative Ks p−value : 0.733119
Relative ecdf deviation area : 0.0255405
Relative ecdf area correlation : 0.0110612
Relative ecdf deviation area p−value : 0.82
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.61253e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 61.3405

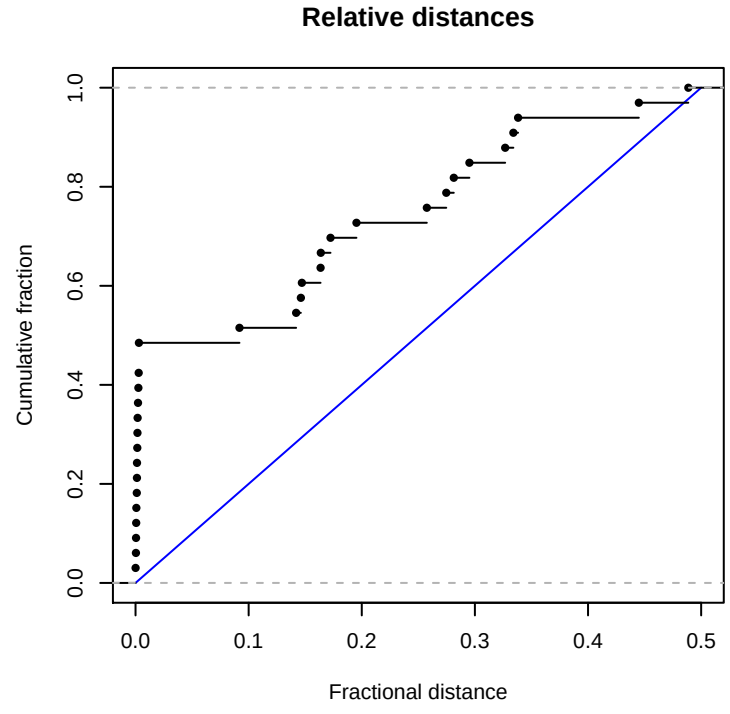




pcontig_181

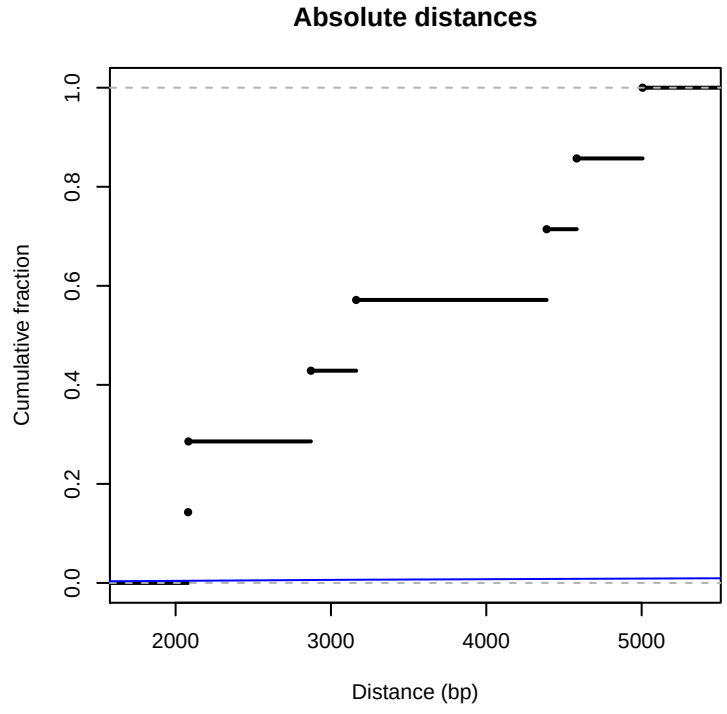
Query population : 33
Reference population : 5
Relative Ks p−value : 1.76544e−07
Relative ecdf deviation area : 0.120275
Relative ecdf area correlation : 0.480283
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.1483e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 26.5746

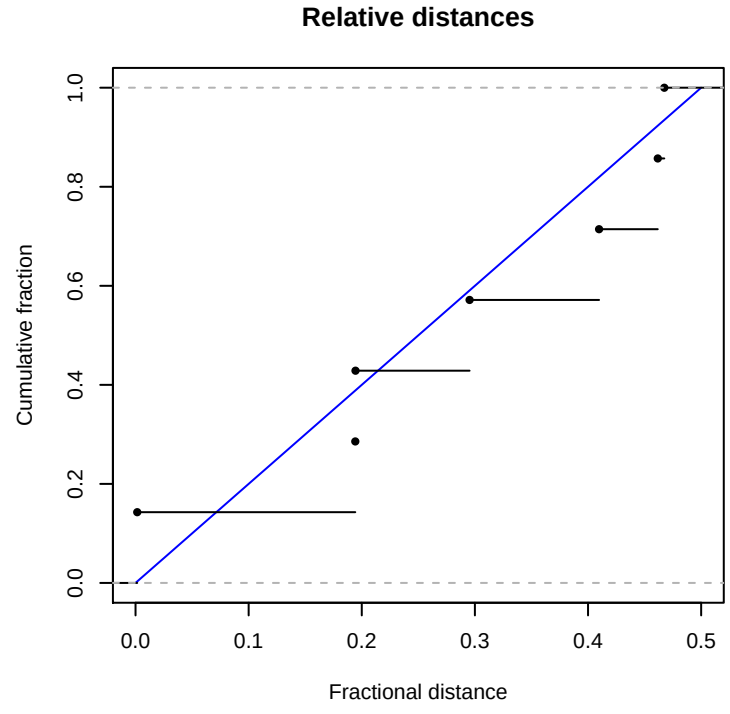




pcontig_185

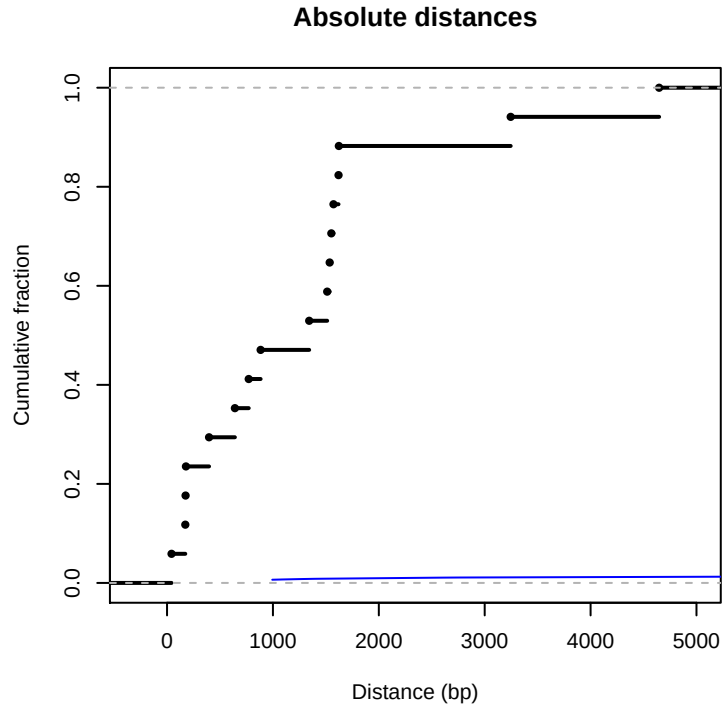
Query population : 7
Reference population : 4
Relative Ks p−value : 0.697303
Relative ecdf deviation area : 0.0520437
Relative ecdf area correlation : −0.156789
Relative ecdf deviation area p−value : 0.42
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0111834
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

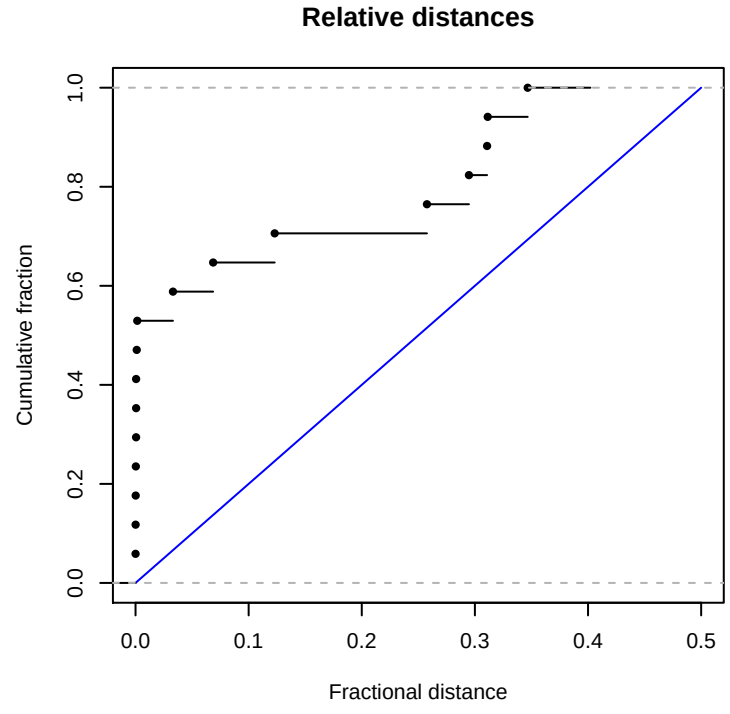




pcontig_186

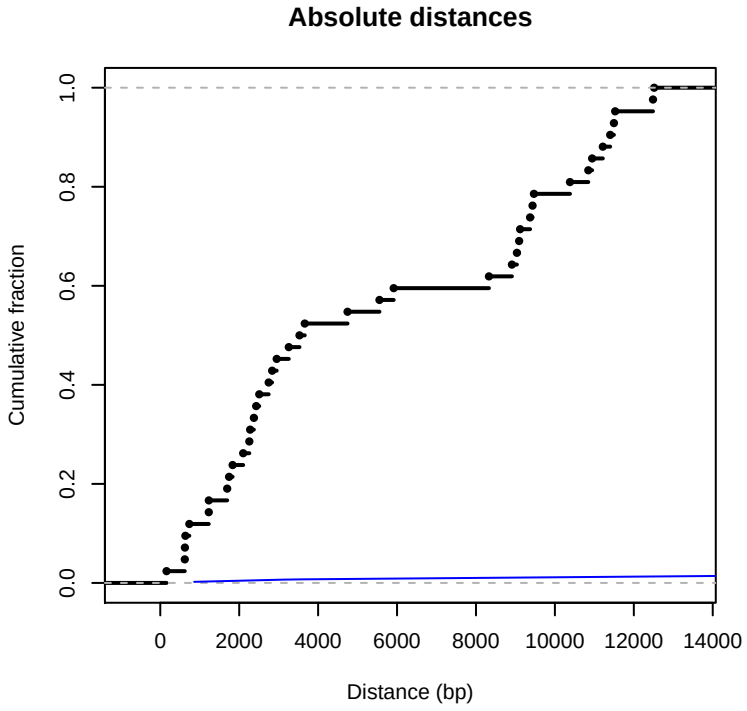
Query population : 17
Reference population : 10
Relative Ks p−value : 6.46086e−05
Relative ecdf deviation area : 0.147735
Relative ecdf area correlation : 0.588145
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard 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 : 163.72

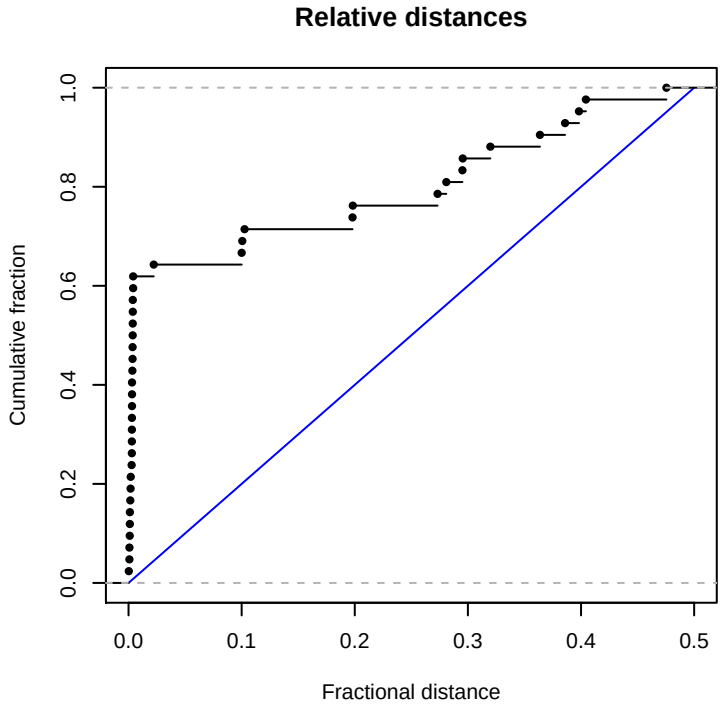




pcontig_187

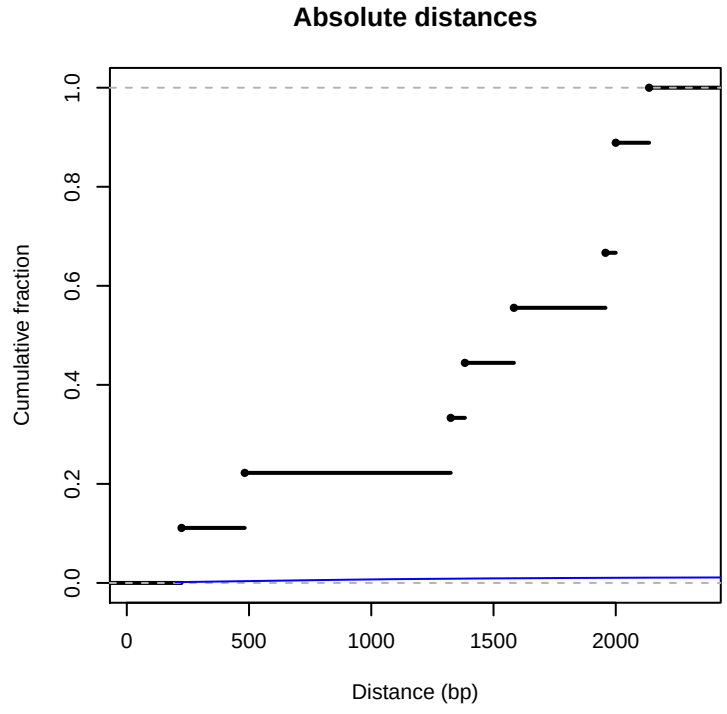
Query population : 42
Reference population : 4
Relative Ks p−value : 8.88178e−16
Relative ecdf deviation area : 0.148008
Relative ecdf area correlation : 0.592217
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000777634
Projection test lower tail : FALSE
Projection test observed to expected ratio : 24.7342

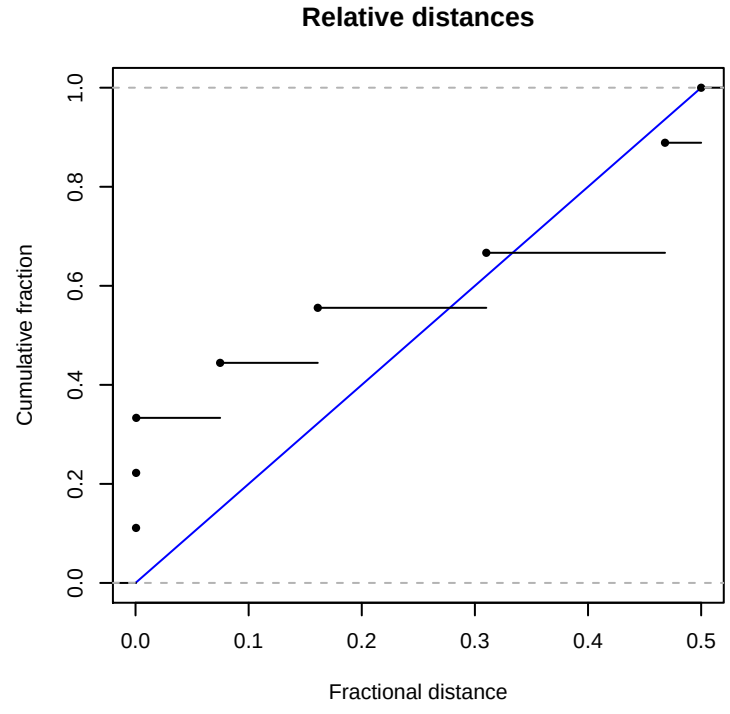




pcontig_188

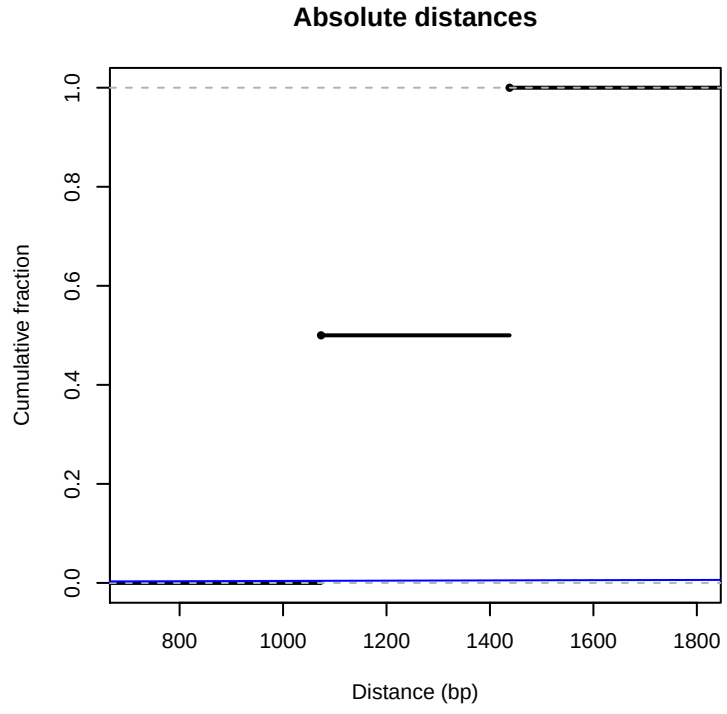
Query population : 9
Reference population : 12
Relative Ks p−value : 0.219194
Relative ecdf deviation area : 0.072505
Relative ecdf area correlation : 0.11835
Relative ecdf deviation area p−value : 0.08
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.20023e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 83.7815

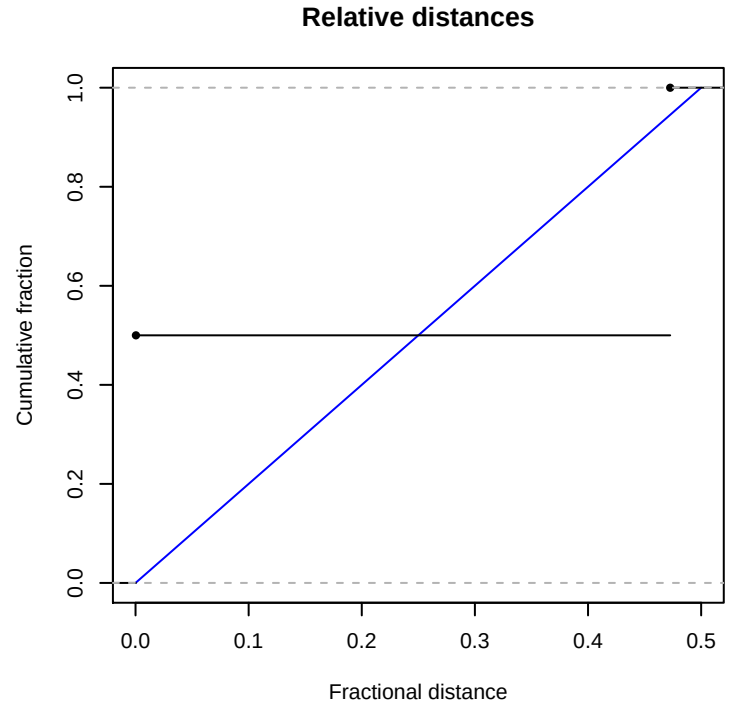




pcontig_189

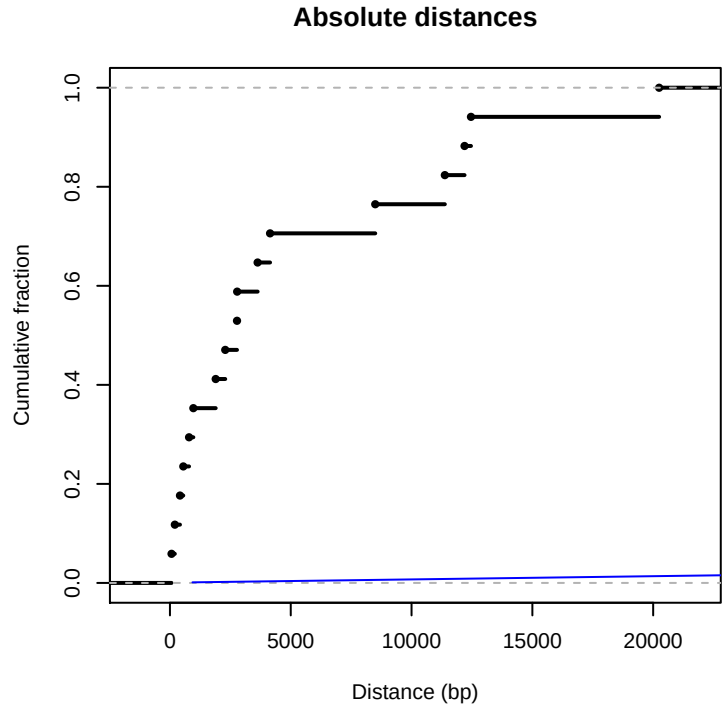
Query population : 2
Reference population : 7
Relative Ks p−value : 0.502814
Relative ecdf deviation area : 0.112928
Relative ecdf area correlation : 0.0540201
Relative ecdf deviation area p−value : 0.45
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00568104
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

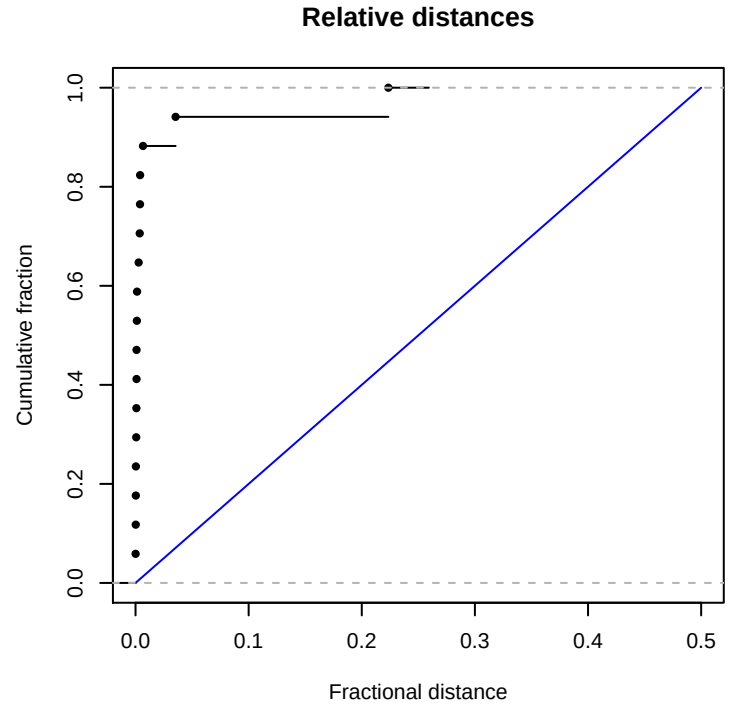




pcontig_191

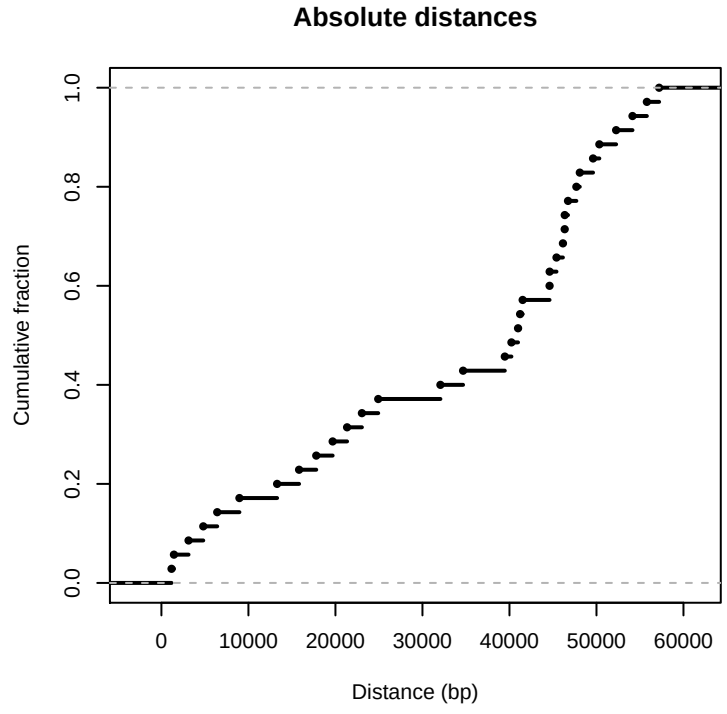
Query population : 17
Reference population : 2
Relative Ks p−value : 2.10942e−15
Relative ecdf deviation area : 0.233074
Relative ecdf area correlation : 0.93258
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.22916e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 120.425

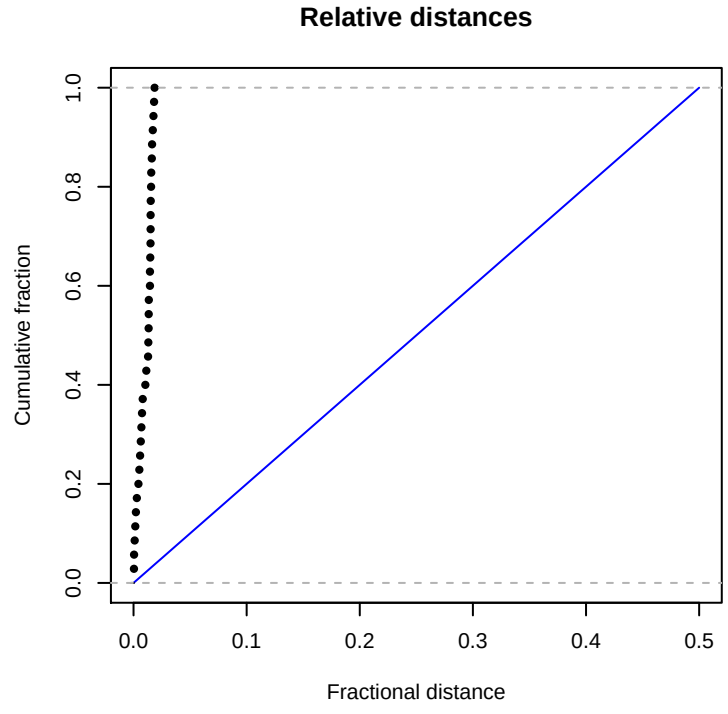




pcontig_193

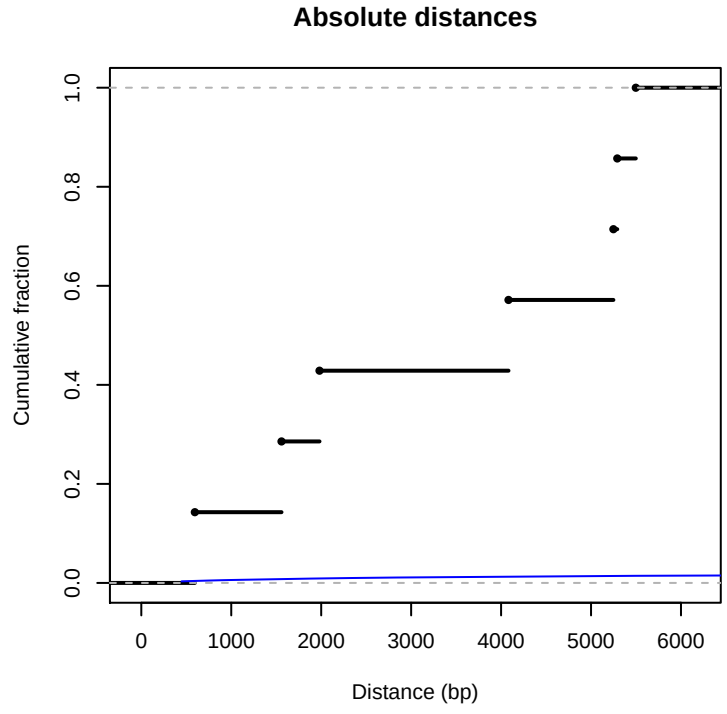
Query population : 35
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.239137
Relative ecdf area correlation : 0.956585
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00540738
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

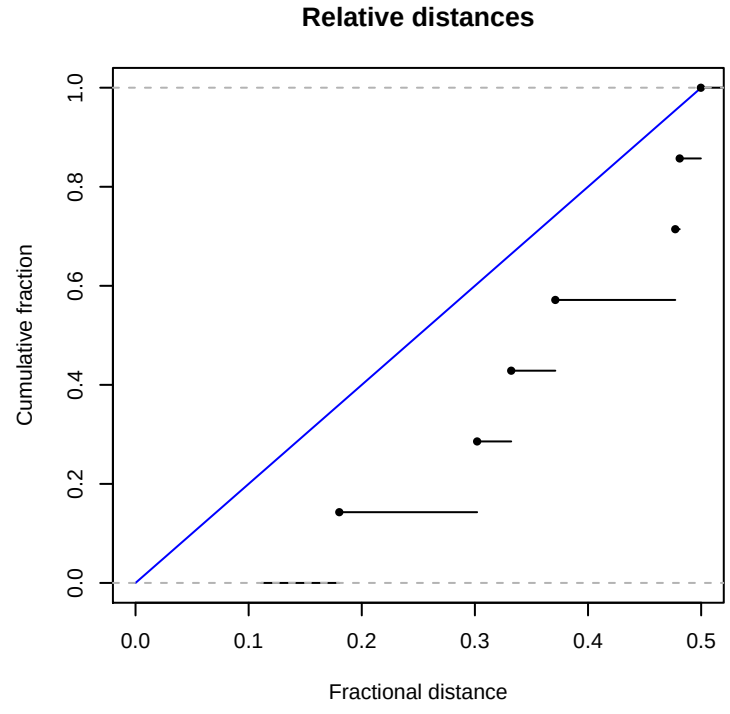




pcontig_195

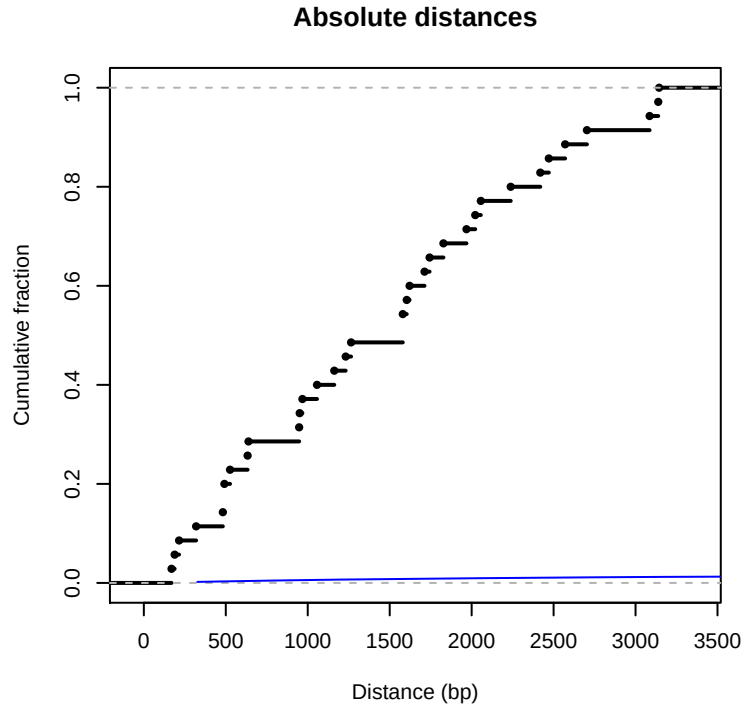
Query population : 7
Reference population : 11
Relative Ks p−value : 0.0701434
Relative ecdf deviation area : 0.127344
Relative ecdf area correlation : −0.510376
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000584695
Projection test lower tail : FALSE
Projection test observed to expected ratio : 26.8343

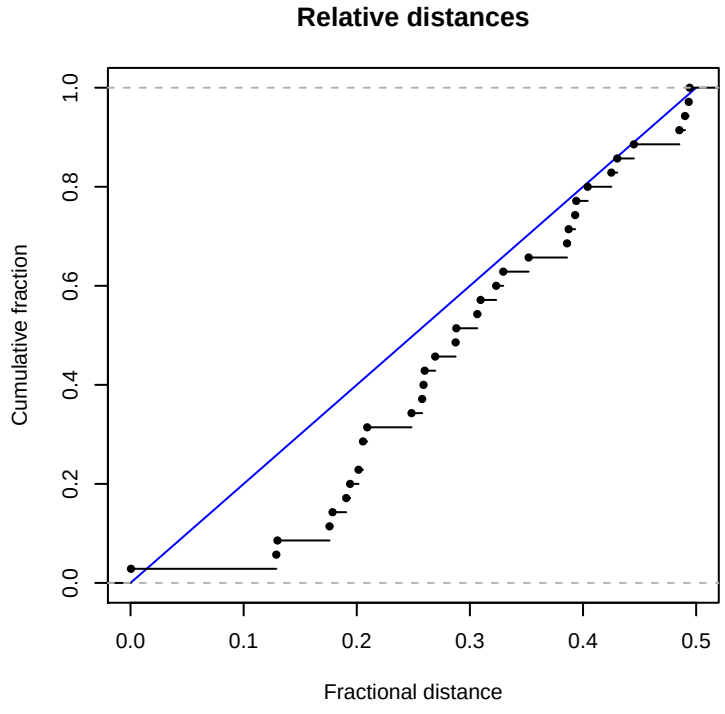




pcontig_200

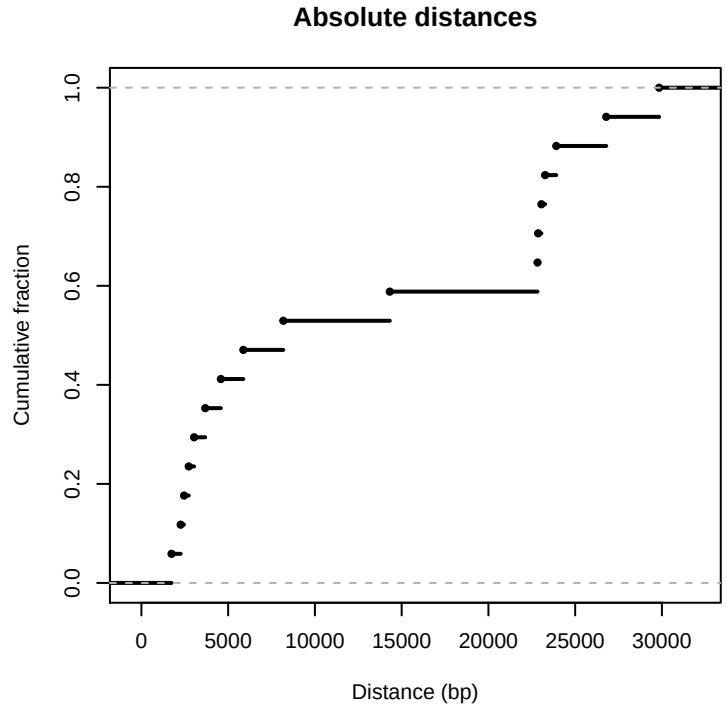
Query population : 35
Reference population : 10
Relative Ks p−value : 0.0111913
Relative ecdf deviation area : 0.0513596
Relative ecdf area correlation : −0.204366
Relative ecdf deviation area p−value : 0.05
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.64627e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 27.3907

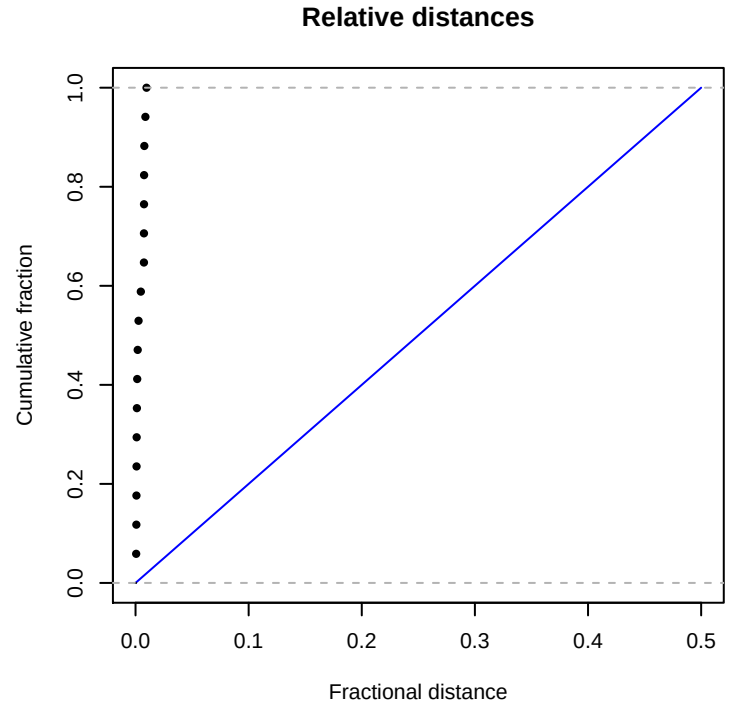




pcontig_202

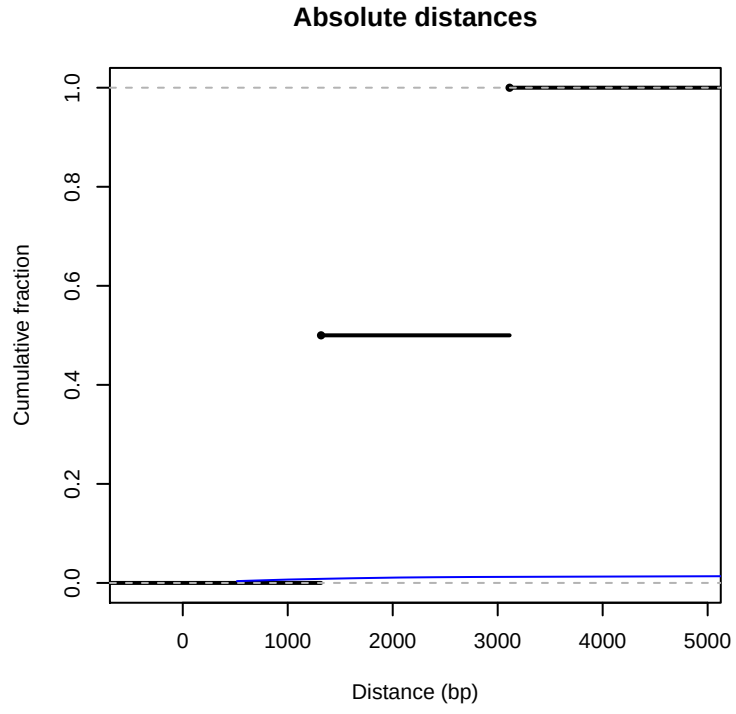
Query population : 17
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.245911
Relative ecdf area correlation : 0.983046
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00699182
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

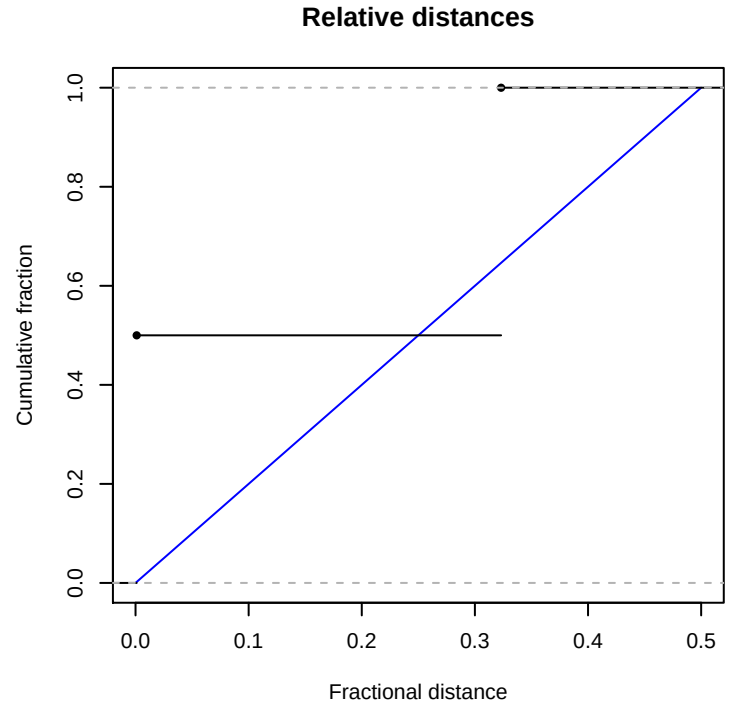




pcontig_203

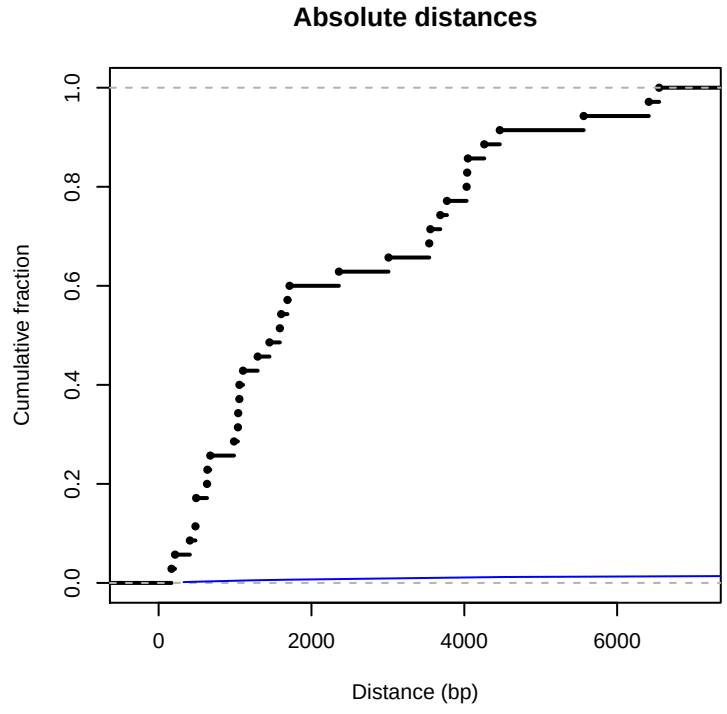
Query population : 2
Reference population : 11
Relative Ks p−value : 0.508156
Relative ecdf deviation area : 0.0982074
Relative ecdf area correlation : 0.351644
Relative ecdf deviation area p−value : 0.6
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0103354
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

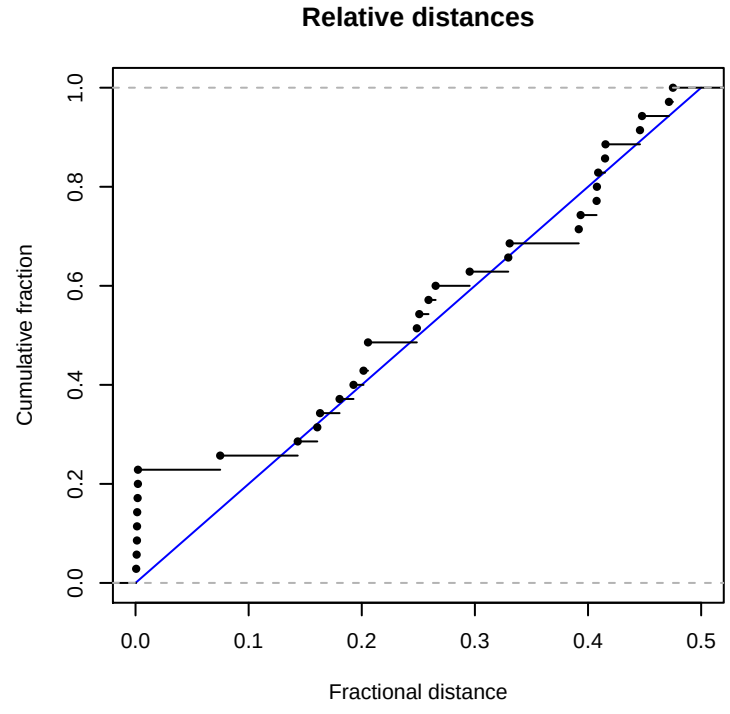




pcontig_204

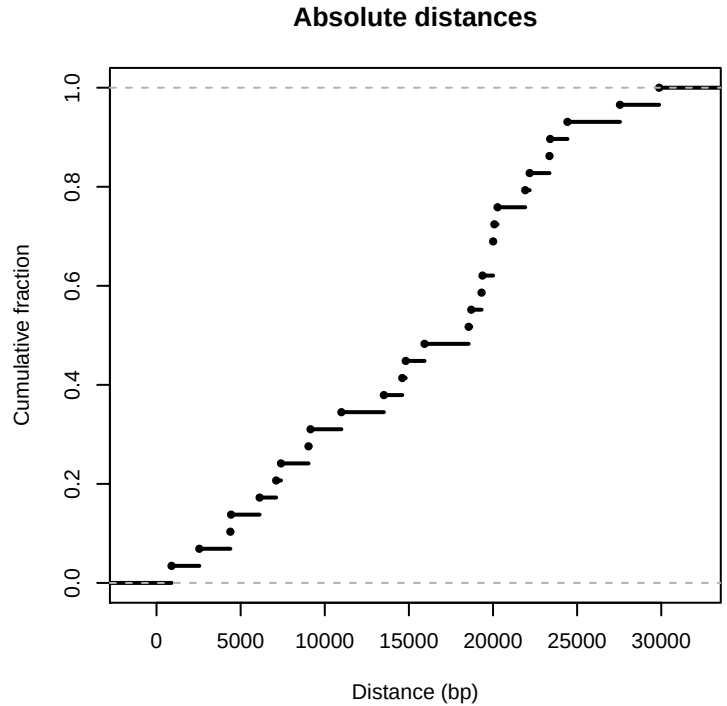
Query population : 35
Reference population : 8
Relative Ks p−value : 0.0499621
Relative ecdf deviation area : 0.0234597
Relative ecdf area correlation : 0.0629401
Relative ecdf deviation area p−value : 0.51
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.002196
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.5551

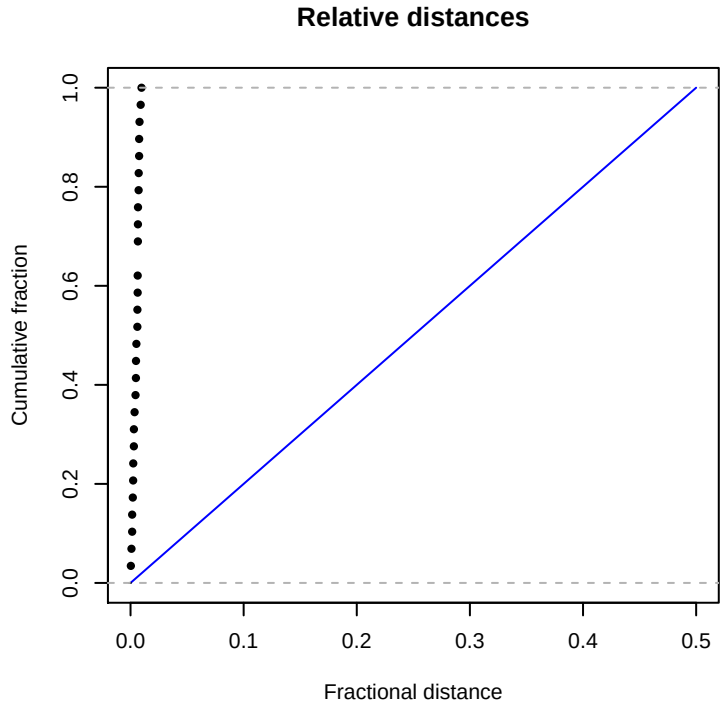




pcontig_205

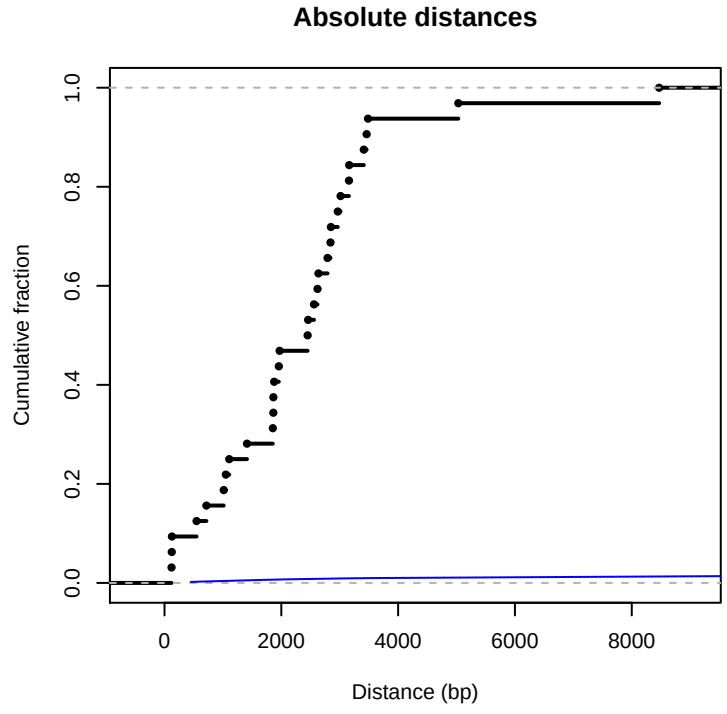
Query population : 29
Reference population : 1
Relative Ks p−value : 1.11022e−16
Relative ecdf deviation area : 0.244752
Relative ecdf area correlation : 0.979804
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00183866
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

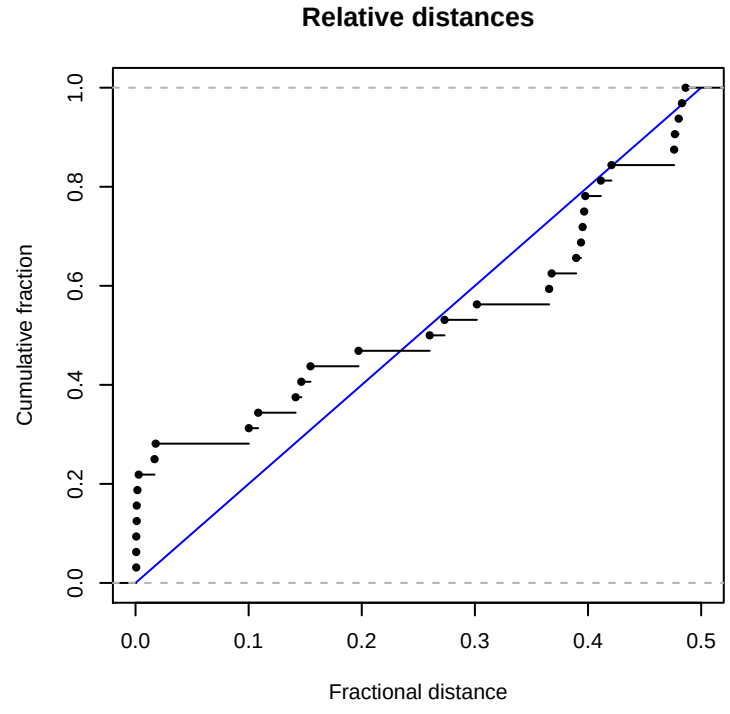




pcontig_207

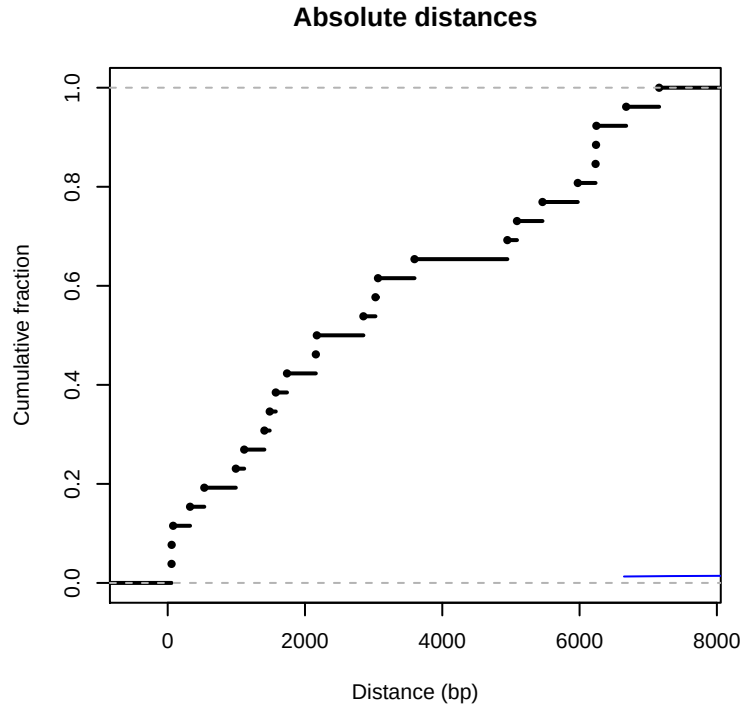
Query population : 32
Reference population : 7
Relative Ks p−value : 0.0346853
Relative ecdf deviation area : 0.0444325
Relative ecdf area correlation : 0.041646
Relative ecdf deviation area p−value : 0.09
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.49799e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 52.2314

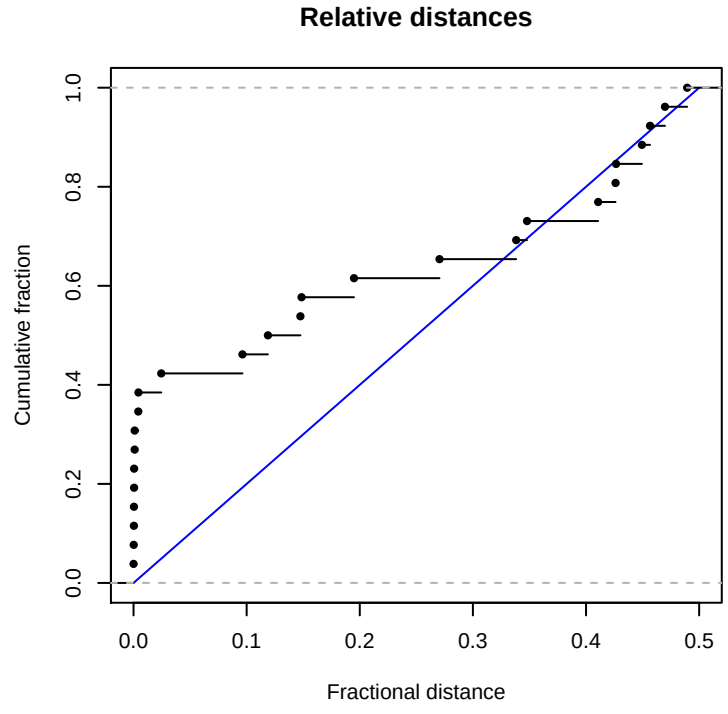




pcontig_214

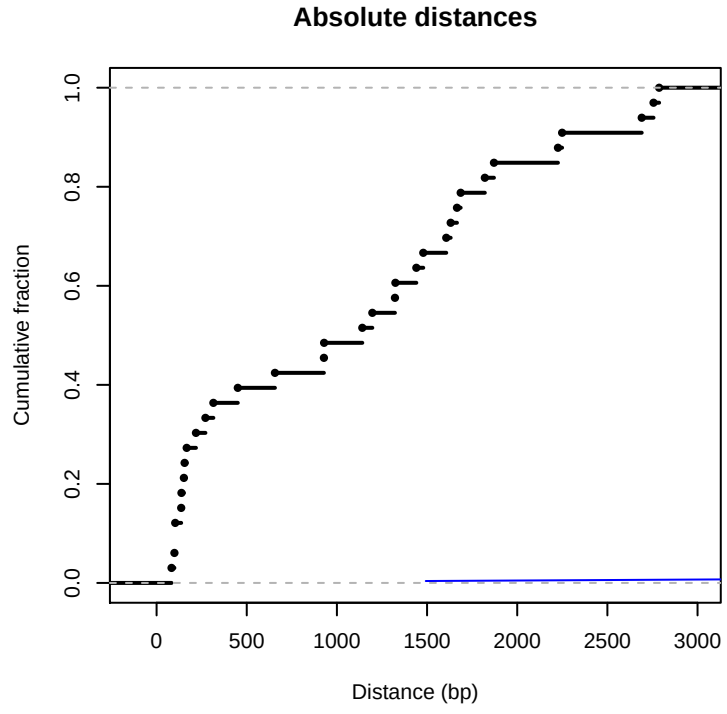
Query population : 26
Reference population : 3
Relative Ks p−value : 0.000825342
Relative ecdf deviation area : 0.0727531
Relative ecdf area correlation : 0.25719
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.95181e−09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 151.587

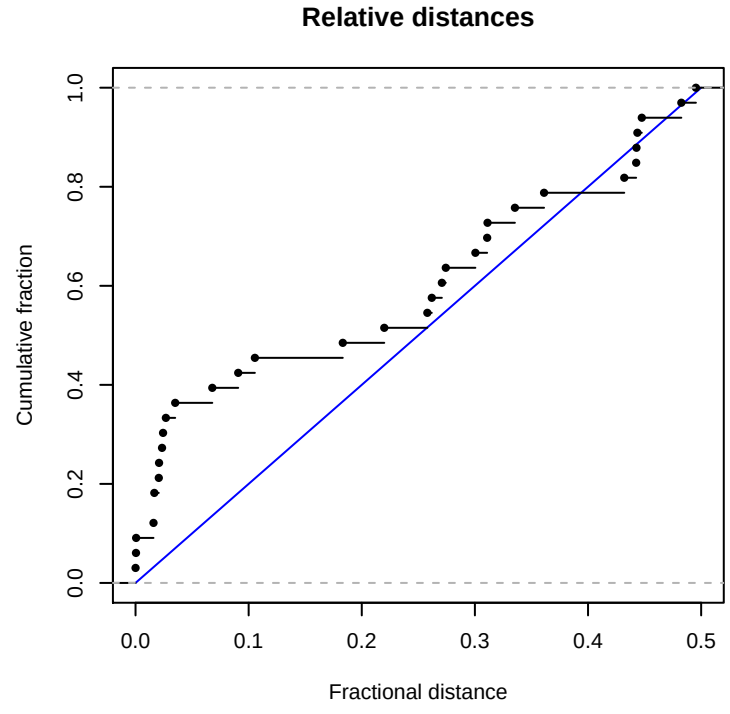




pcontig_218

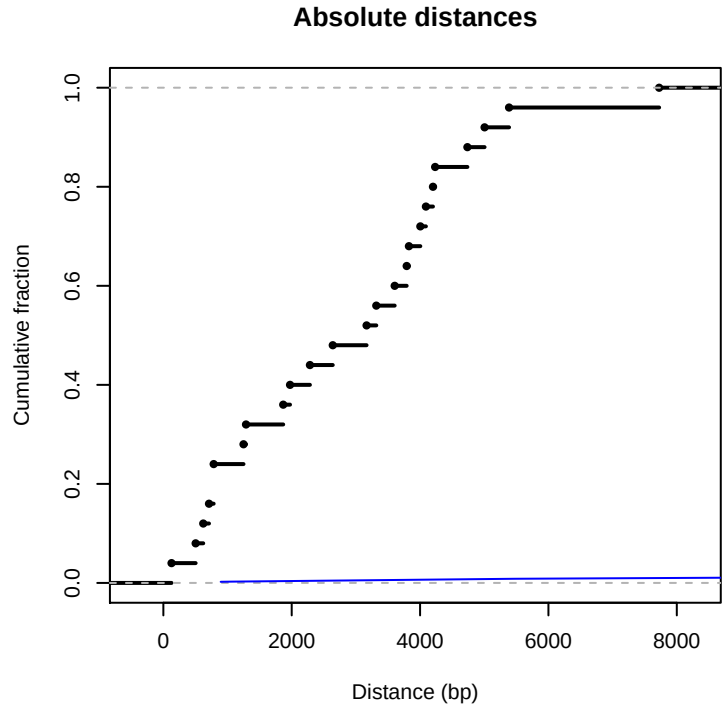
Query population : 33
Reference population : 4
Relative Ks p−value : 0.00516943
Relative ecdf deviation area : 0.0507597
Relative ecdf area correlation : 0.18318
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 272.672

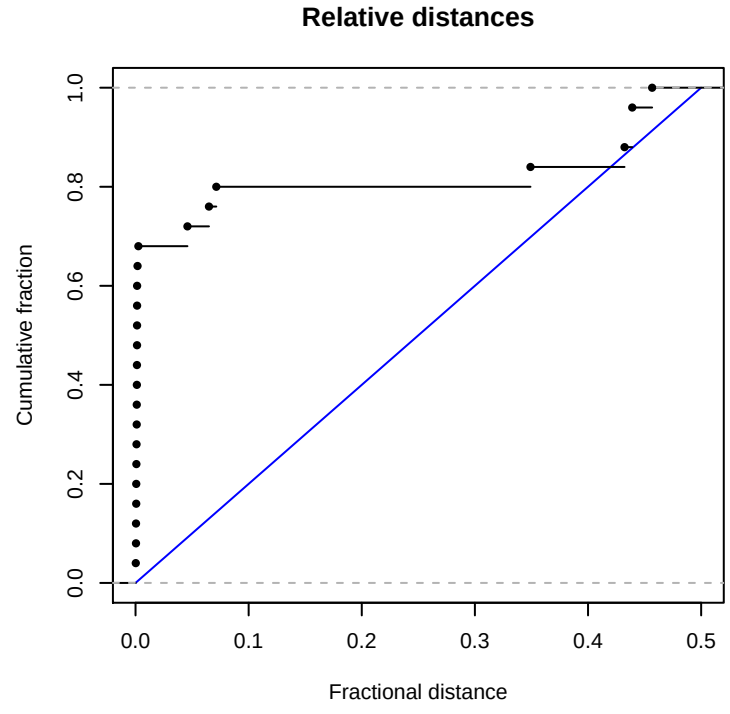




pcontig_221

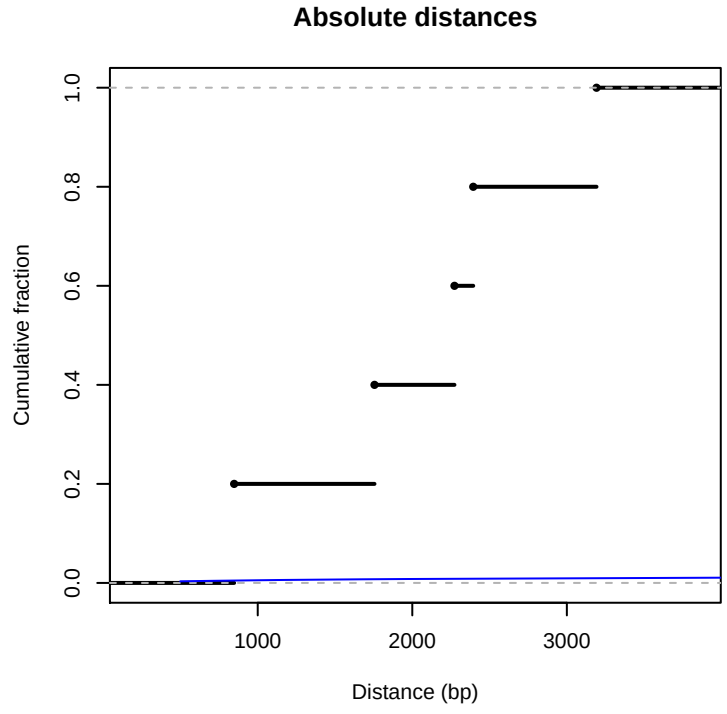
Query population : 25
Reference population : 4
Relative Ks p−value : 8.6291e−12
Relative ecdf deviation area : 0.157227
Relative ecdf area correlation : 0.629337
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.9627e−14
Projection test lower tail : FALSE
Projection test observed to expected ratio : 123.202

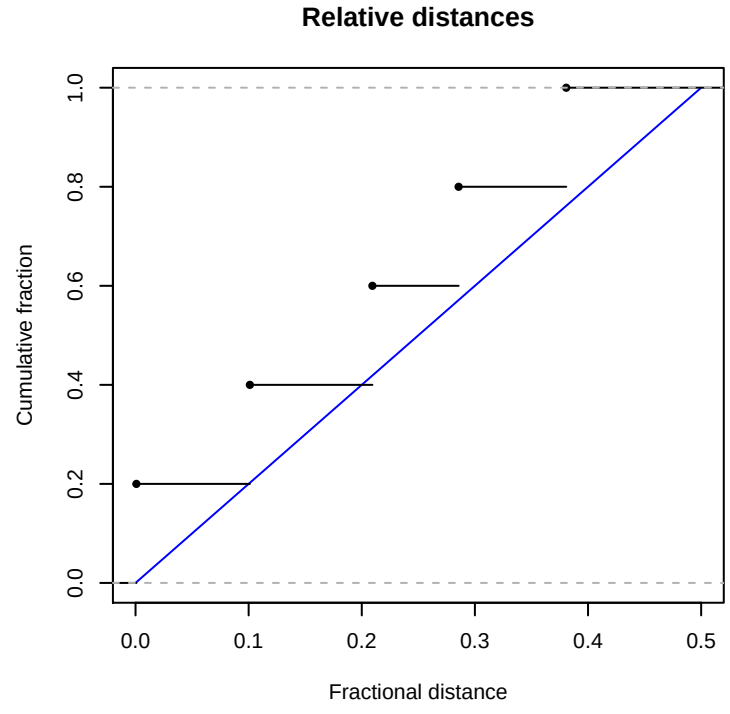




pcontig_223

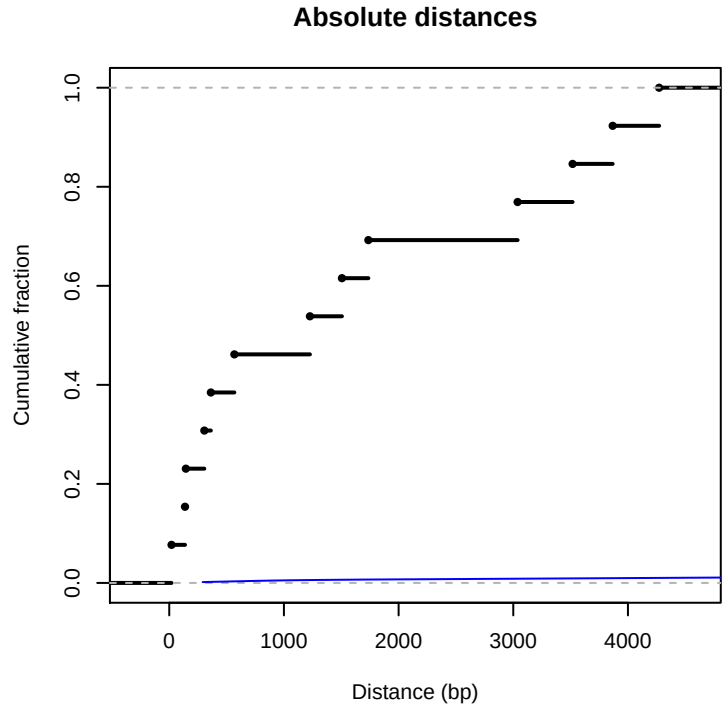
Query population : 5
Reference population : 10
Relative Ks p−value : 0.878347
Relative ecdf deviation area : 0.0548357
Relative ecdf area correlation : 0.217916
Relative ecdf deviation area p−value : 0.66
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000124956
Projection test lower tail : FALSE
Projection test observed to expected ratio : 56.3779

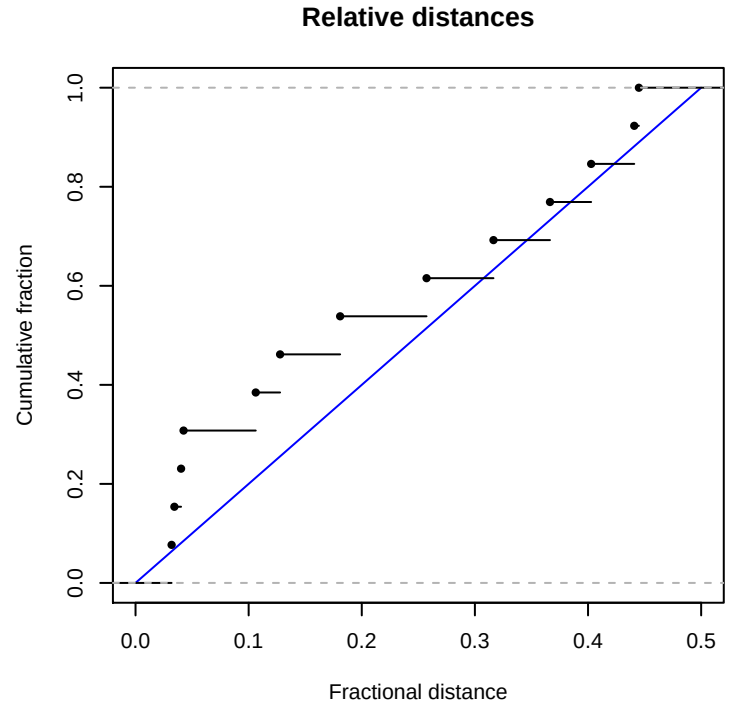




pcontig_225

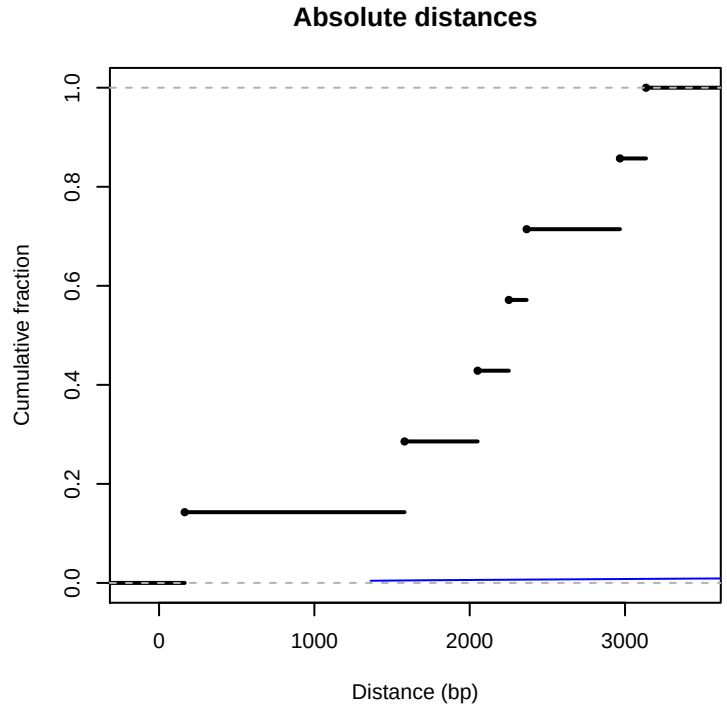
Query population : 13
Reference population : 9
Relative Ks p−value : 0.47206
Relative ecdf deviation area : 0.0393181
Relative ecdf area correlation : 0.14078
Relative ecdf deviation area p−value : 0.52
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.43849e−15
Projection test lower tail : FALSE
Projection test observed to expected ratio : 139.14

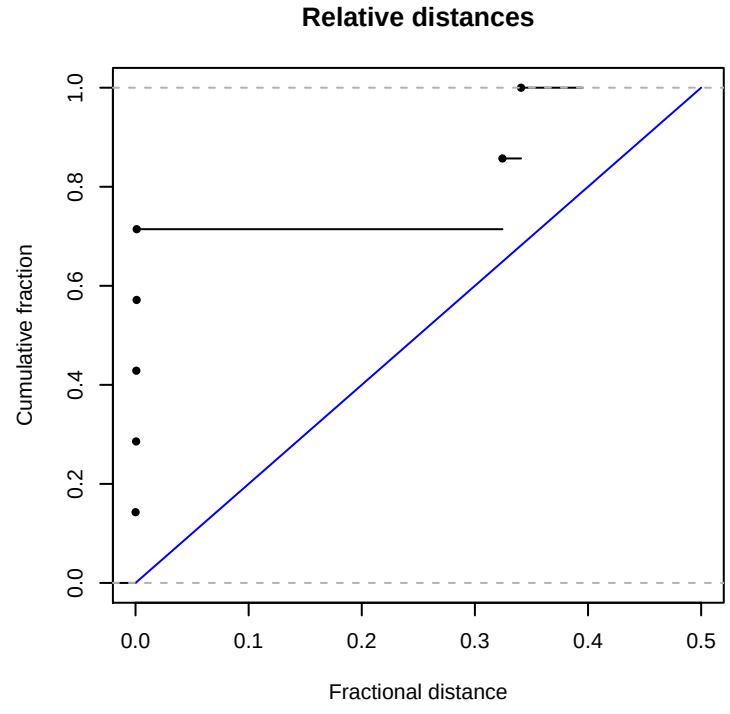




pcontig_233

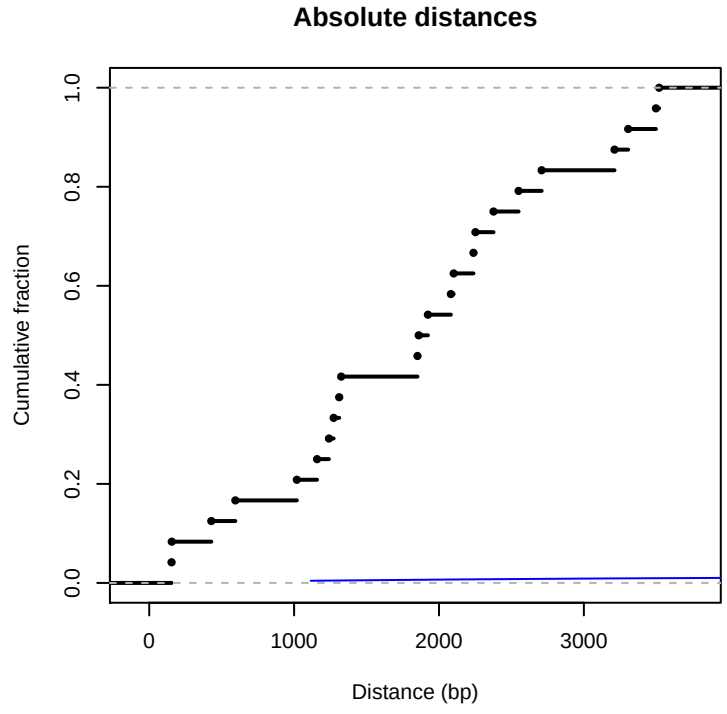
Query population : 7
Reference population : 5
Relative Ks p−value : 0.000419182
Relative ecdf deviation area : 0.153765
Relative ecdf area correlation : 0.618085
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000153296
Projection test lower tail : FALSE
Projection test observed to expected ratio : 52.6357

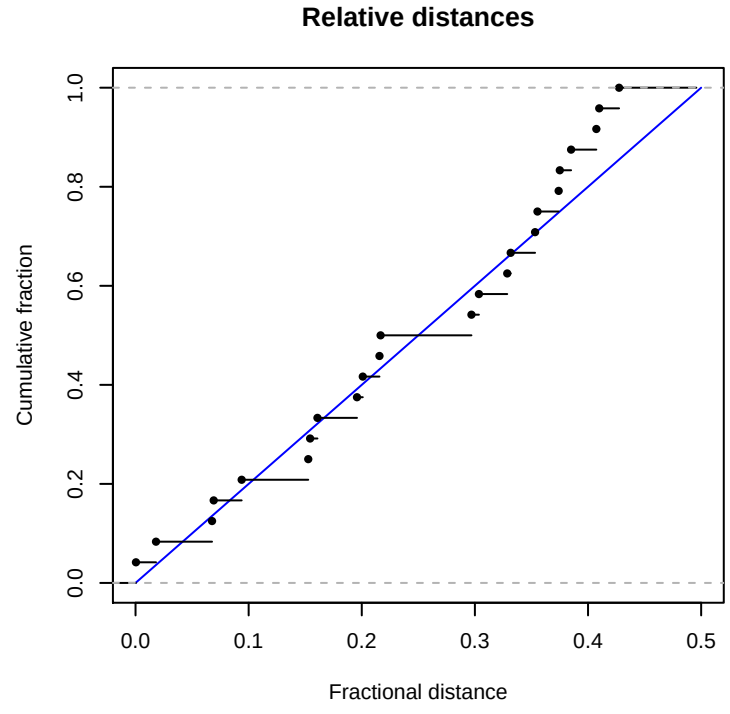


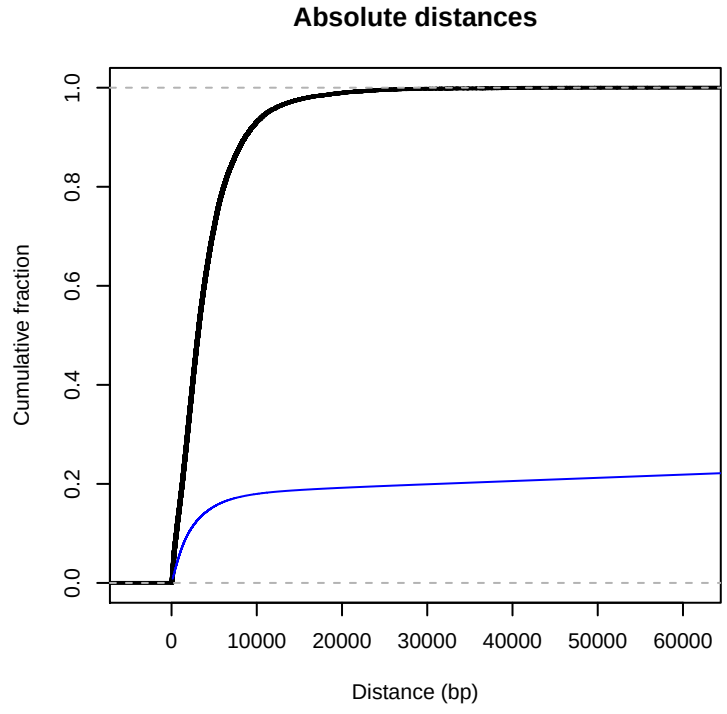
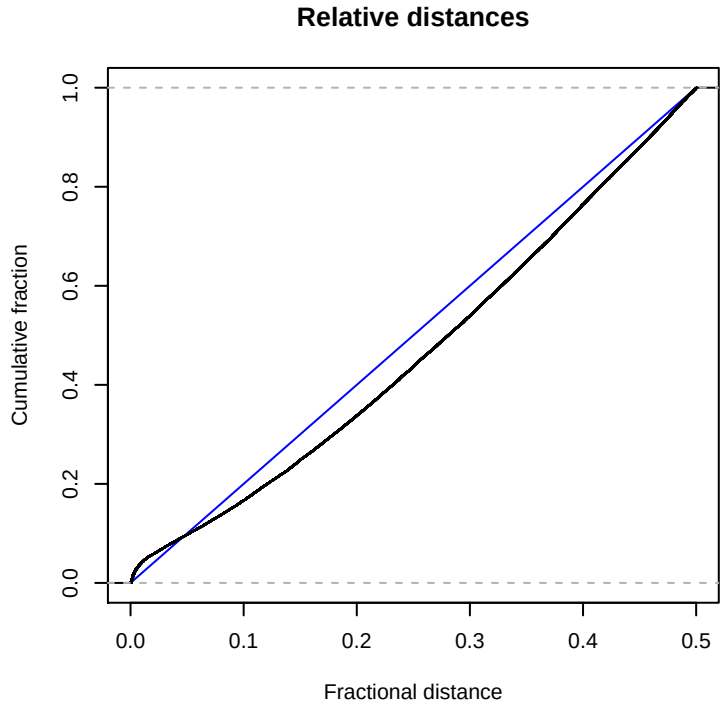


pcontig_235

Query population : 24
Reference population : 6
Relative Ks p−value : 0.640843
Relative ecdf deviation area : 0.0221
Relative ecdf area correlation : 0.017689
Relative ecdf deviation area p−value : 0.82
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000820065
Projection test lower tail : FALSE
Projection test observed to expected ratio : 23.8651





All Chromosomes

Query population : 49155
Reference population : 14477
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0195287
Relative ecdf area correlation : −0.0729074
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <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 : 2.2416