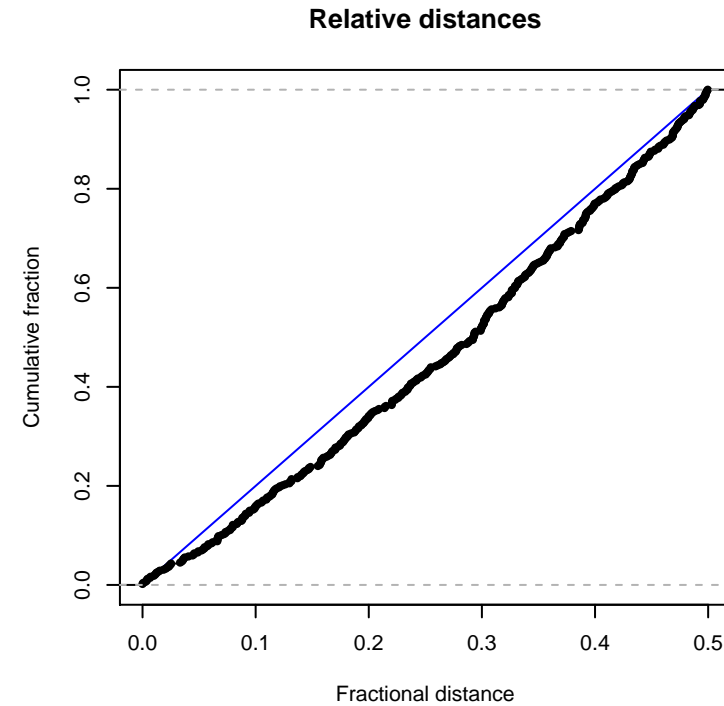
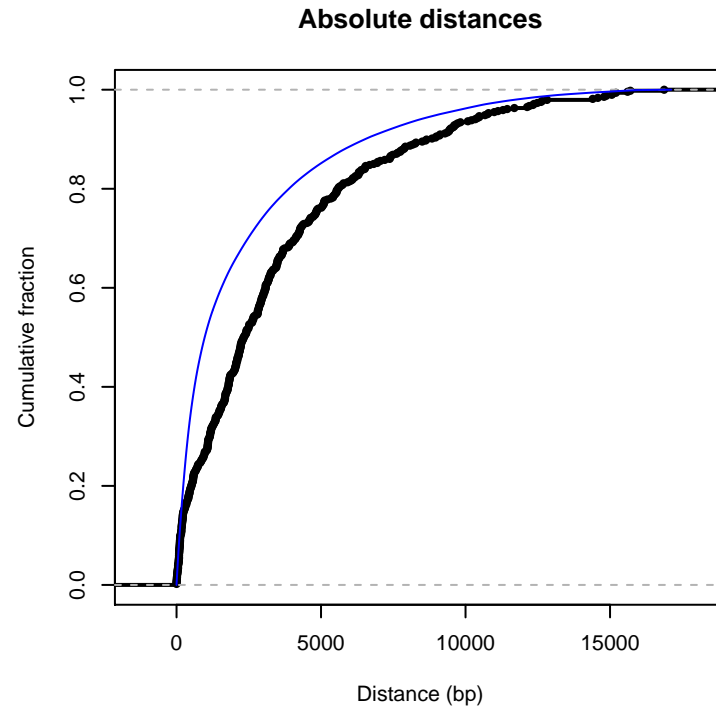


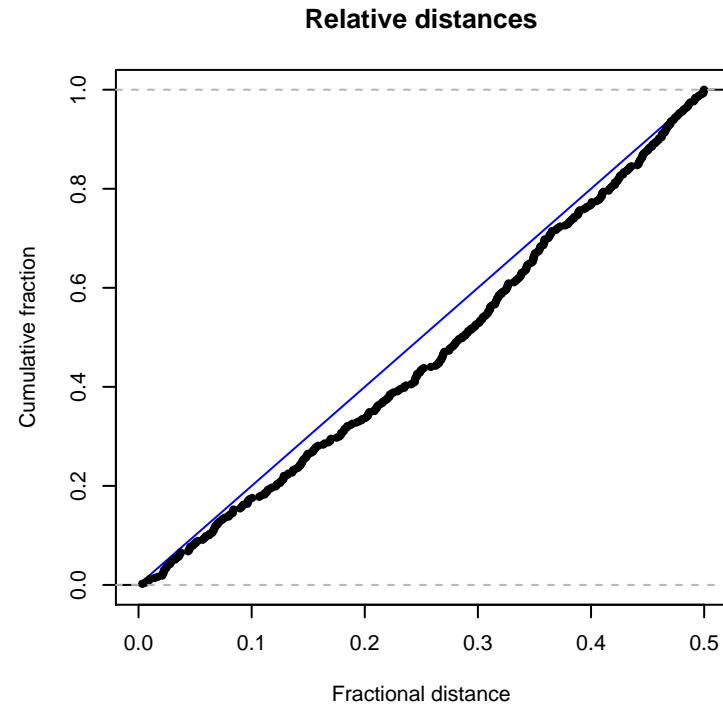
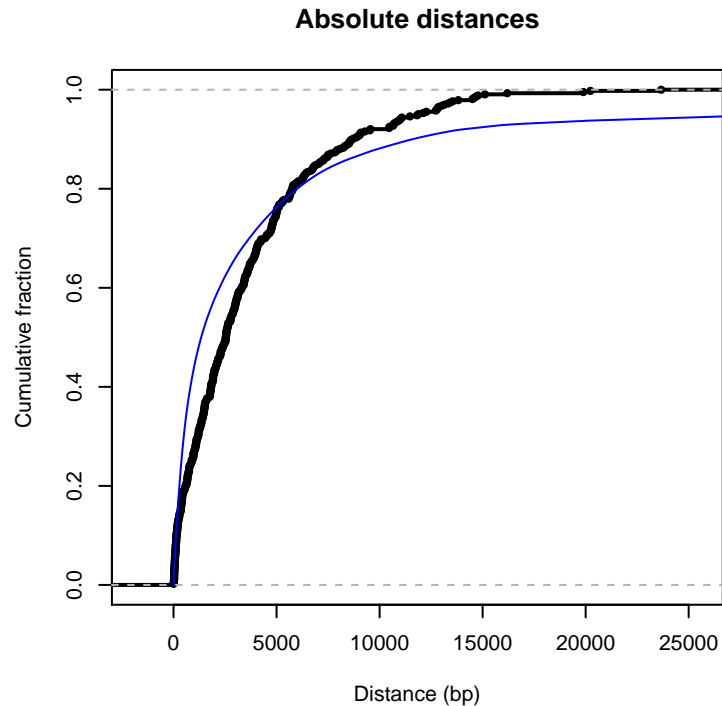
pcontig_000

Query population : 487
Reference population : 1836
Relative Ks p-value : 0.000627911
Relative ecdf deviation area : 0.0240341
Relative ecdf area correlation : -0.0966027
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 : 5.64159e-11
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.654324



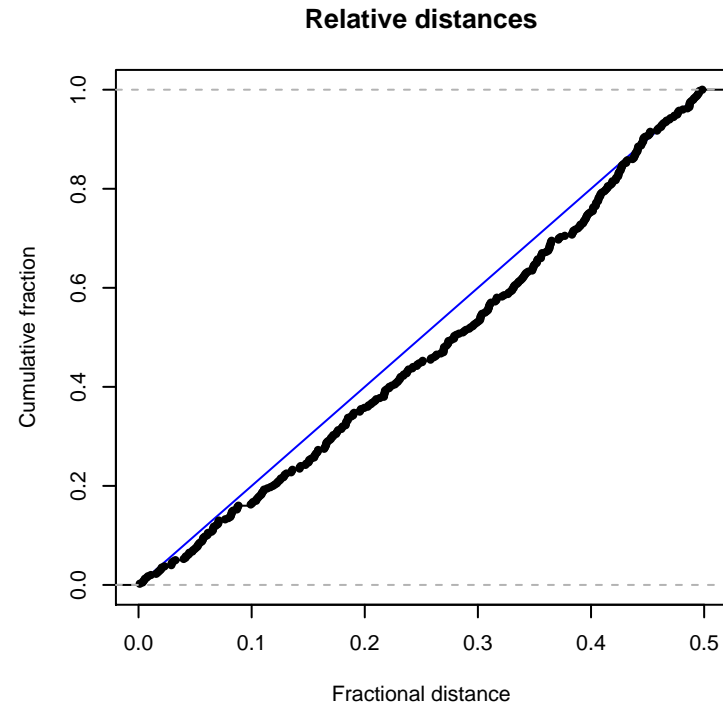
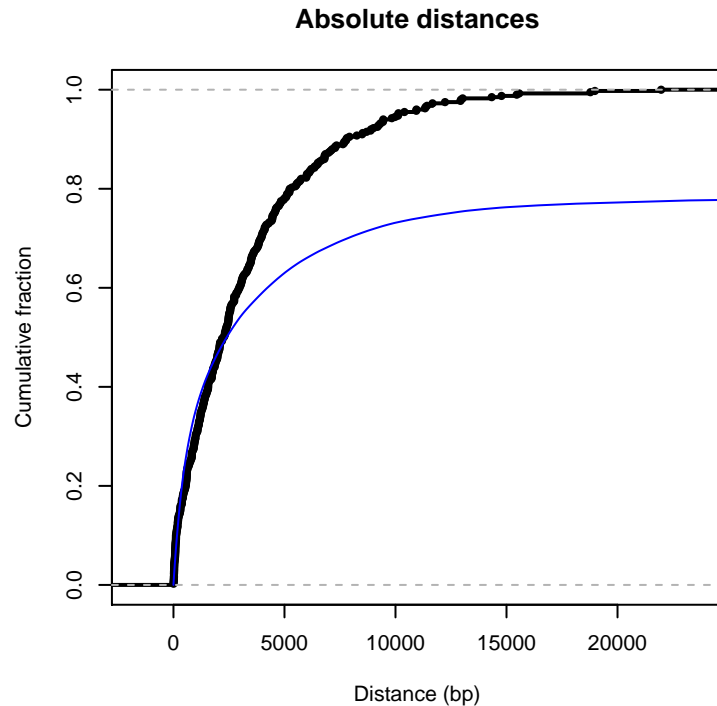
pcontig_001

Query population : 427
Reference population : 1560
Relative Ks p-value : 0.00372626
Relative ecdf deviation area : 0.019753
Relative ecdf area correlation : -0.0786036
Relative ecdf deviation area p-value : <0.01
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 : 1.61925e-07
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.668019



pcontig_002

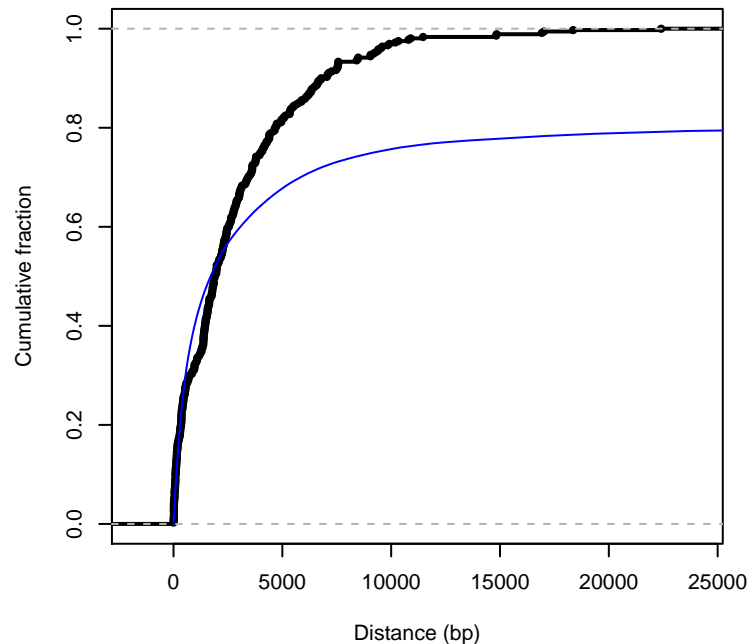
Query population : 400
Reference population : 1204
Relative Ks p-value : 0.0331388
Relative ecdf deviation area : 0.0185427
Relative ecdf area correlation : -0.0725497
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.350899
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.964754



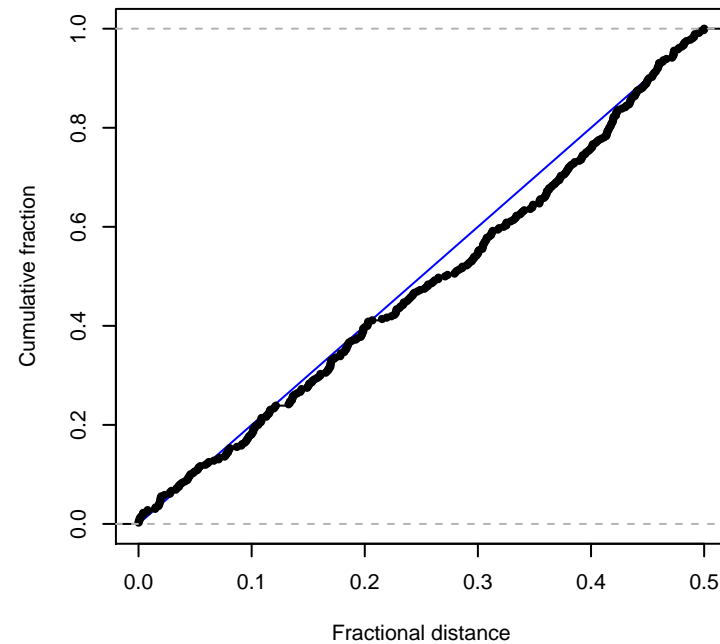
pcontig_003

Query population : 360
Reference population : 1462
Relative Ks p-value : 0.102963
Relative ecdf deviation area : 0.0122423
Relative ecdf area correlation : -0.0443058
Relative ecdf deviation area p-value : 0.12
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.401798
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.977456

Absolute distances

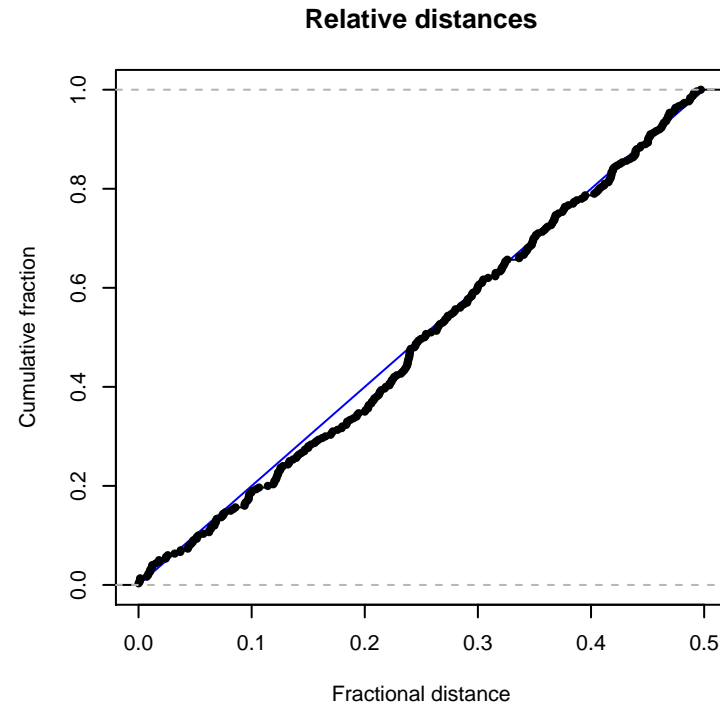
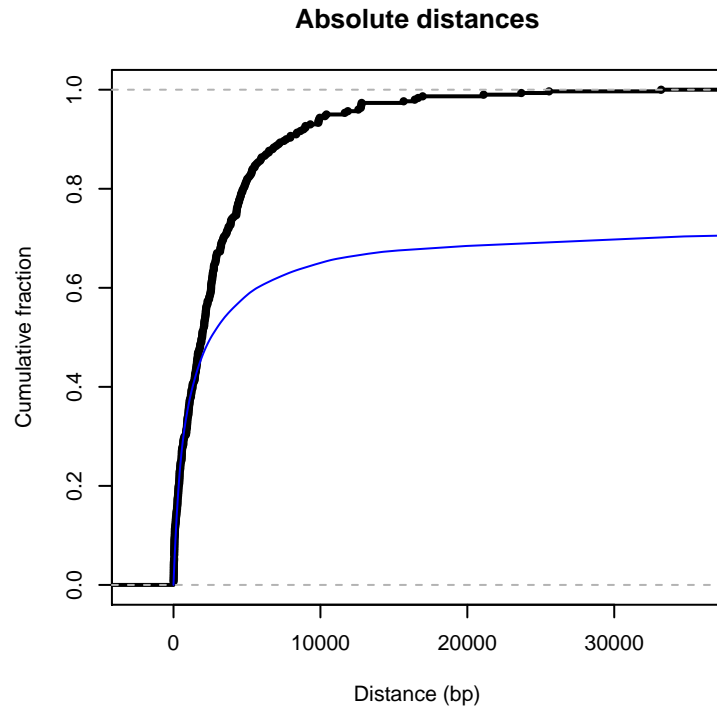


Relative distances



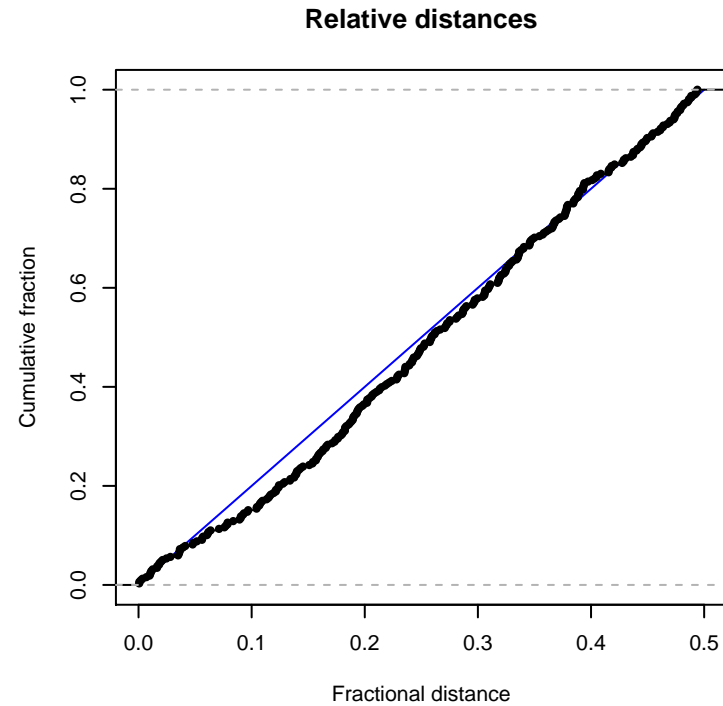
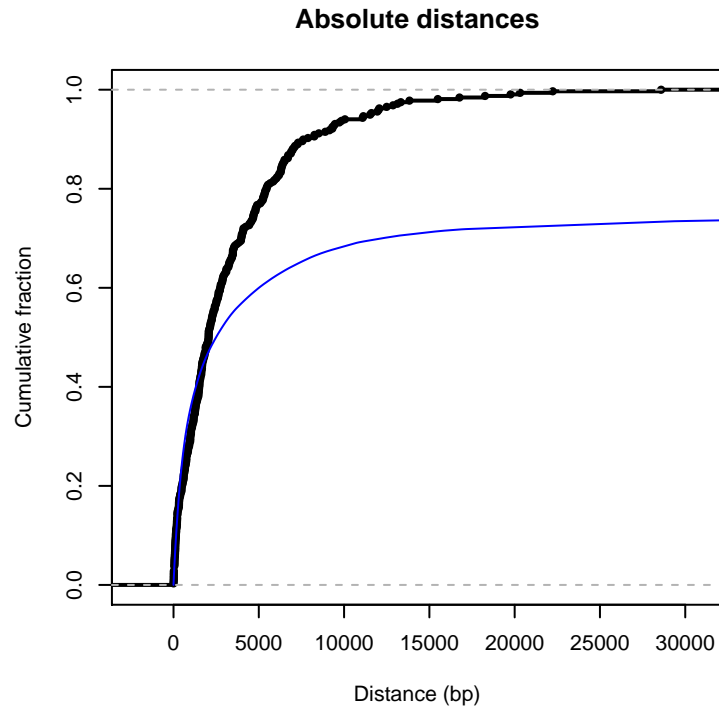
pcontig_004

Query population : 300
Reference population : 1370
Relative Ks p-value : 0.360777
Relative ecdf deviation area : 0.00745167
Relative ecdf area correlation : -0.0250619
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 : 0.02
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.352108
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.0272



pcontig_005

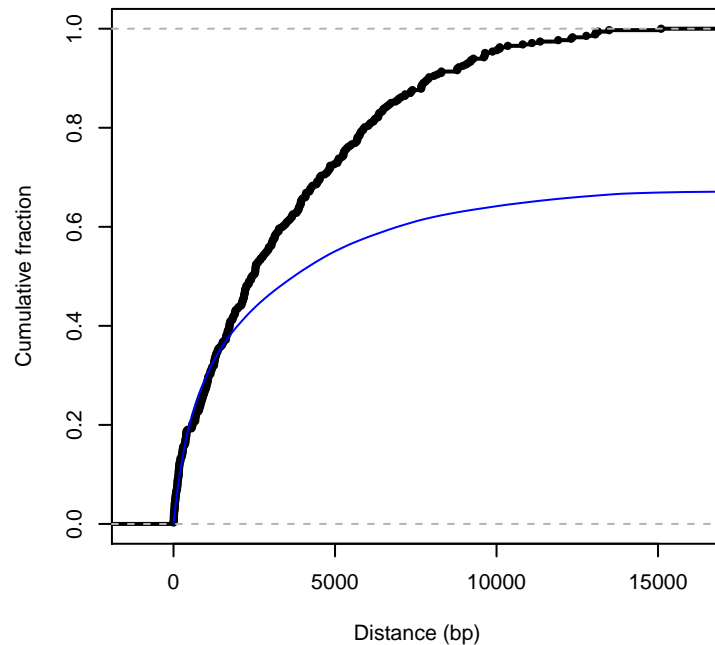
Query population : 318
Reference population : 1300
Relative Ks p-value : 0.132339
Relative ecdf deviation area : 0.0115361
Relative ecdf area correlation : -0.0414368
Relative ecdf deviation area p-value : 0.16
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.367969
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.965509



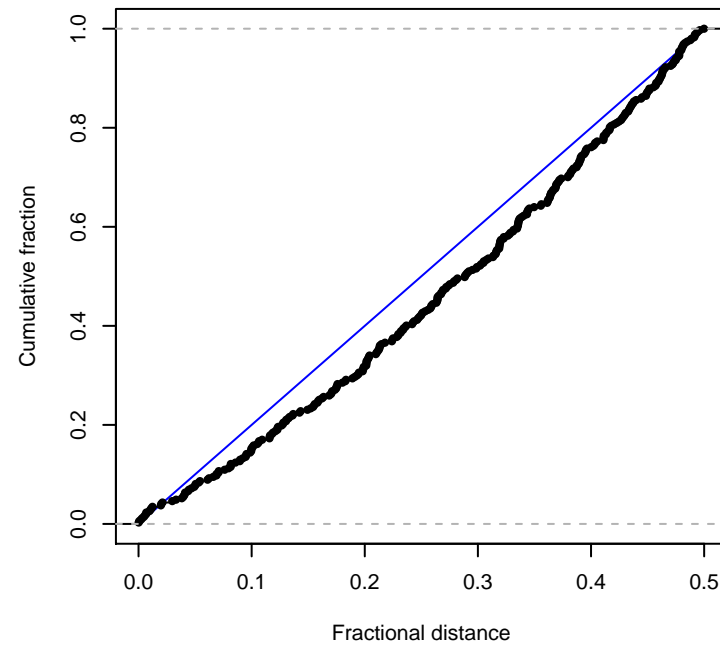
pcontig_006

Query population : 347
Reference population : 1069
Relative Ks p-value : 0.0065022
Relative ecdf deviation area : 0.0255461
Relative ecdf area correlation : -0.102013
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.06
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.305275
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.04124

Absolute distances

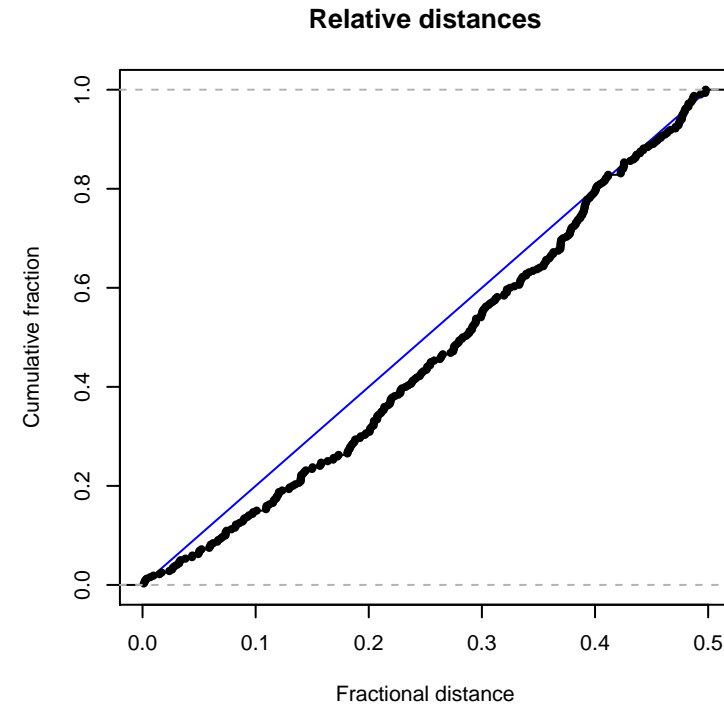
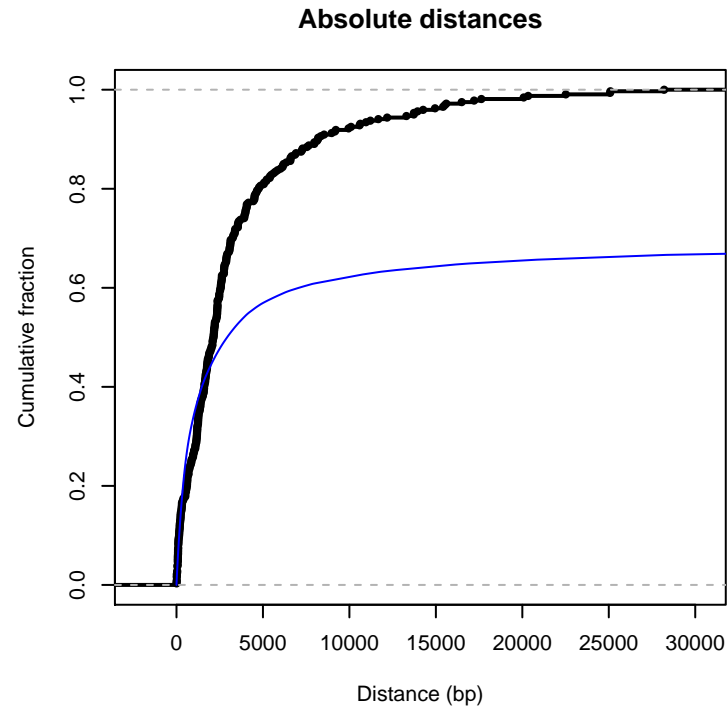


Relative distances



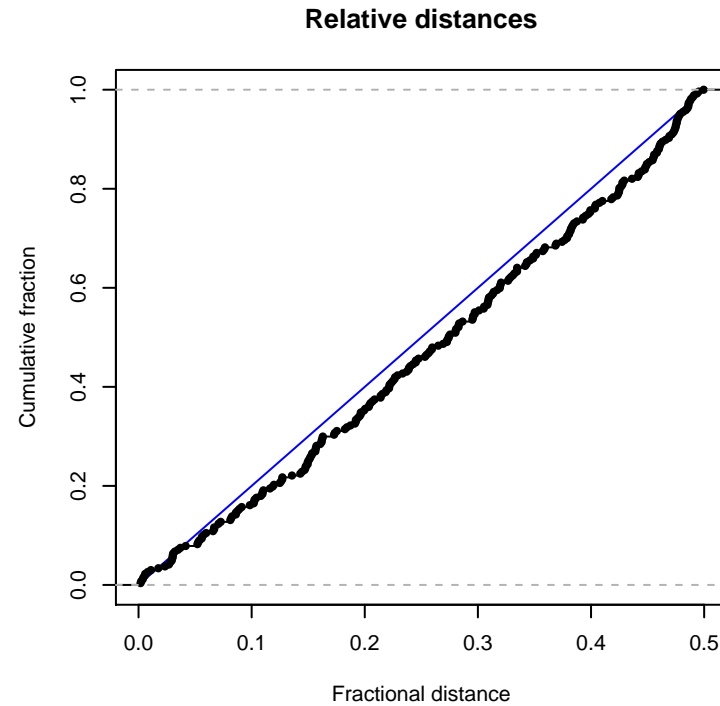
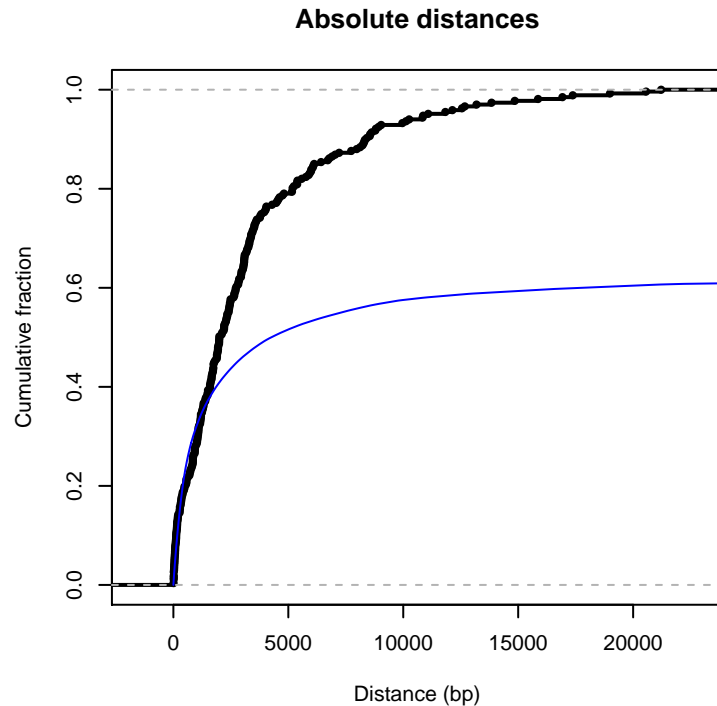
pcontig_007

Query population : 320
Reference population : 1310
Relative Ks p-value : 0.00345748
Relative ecdf deviation area : 0.0228132
Relative ecdf area correlation : -0.0913372
Relative ecdf deviation area p-value : <0.01
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 : 0.396981
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.01641



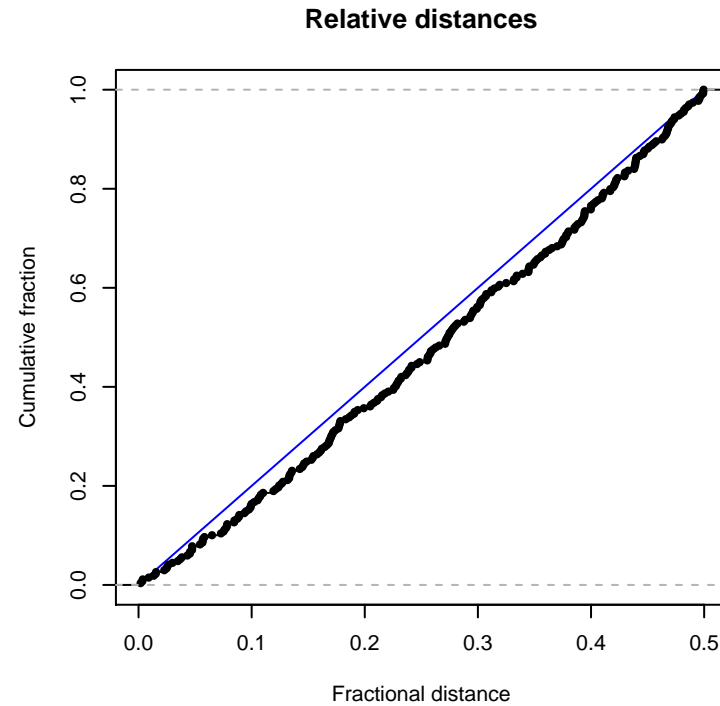
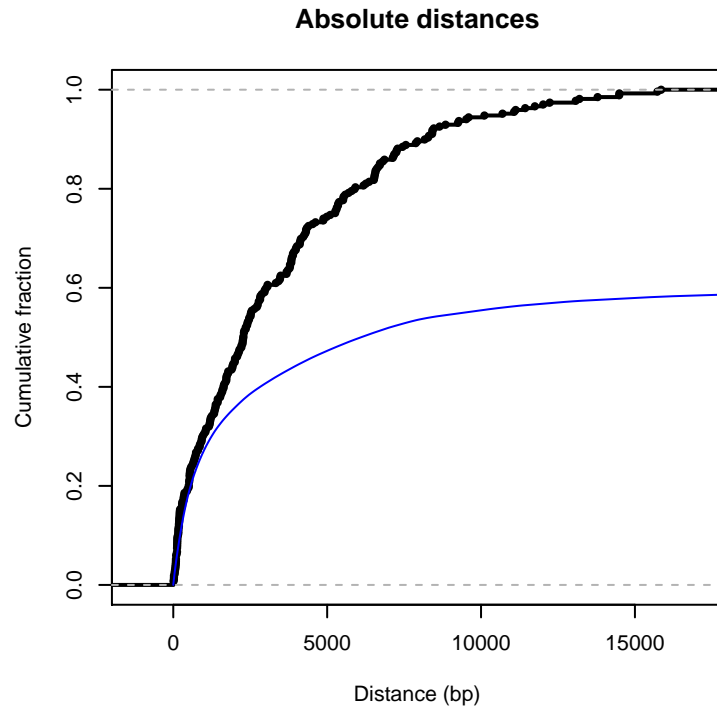
pcontig_008

Query population : 267
Reference population : 1175
Relative Ks p-value : 0.206289
Relative ecdf deviation area : 0.0190178
Relative ecdf area correlation : -0.0747209
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 : TRUE
Projection test p-value : 0.156663
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.09615



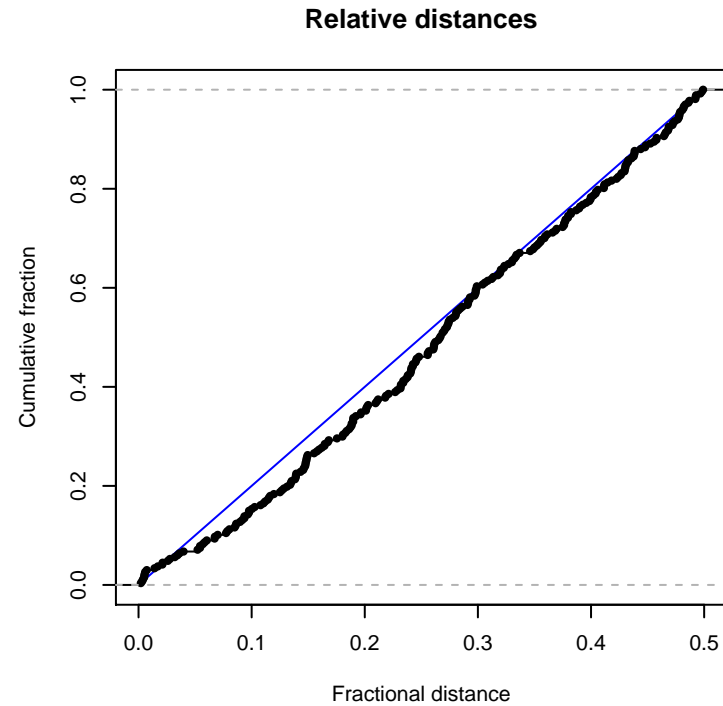
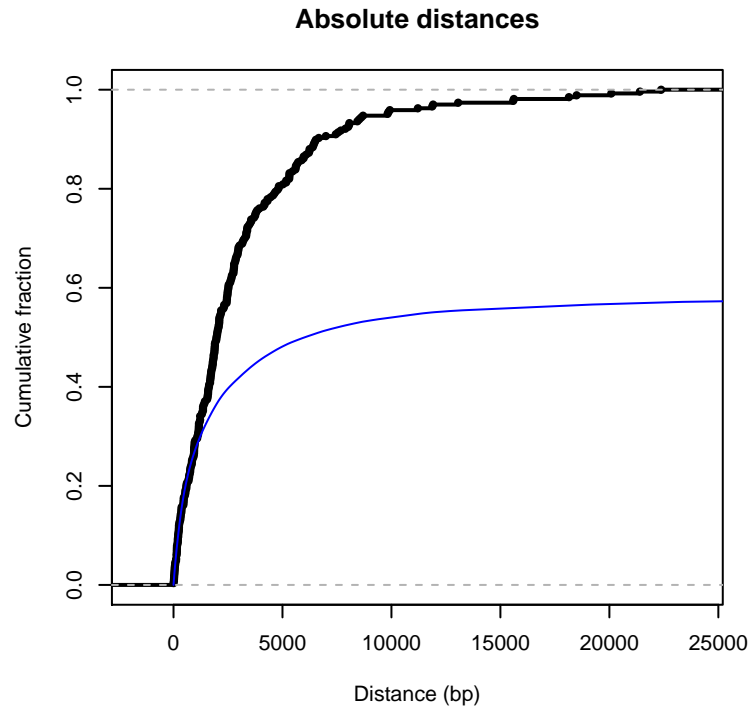
pcontig_009

Query population : 269
Reference population : 954
Relative Ks p-value : 0.231017
Relative ecdf deviation area : 0.018719
Relative ecdf area correlation : -0.0752679
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 : 0.12
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00901131
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.25702



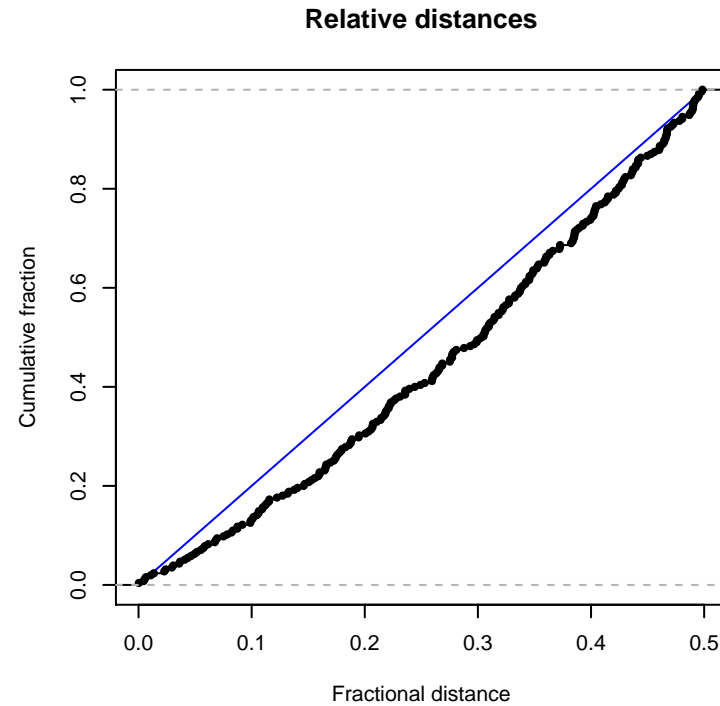
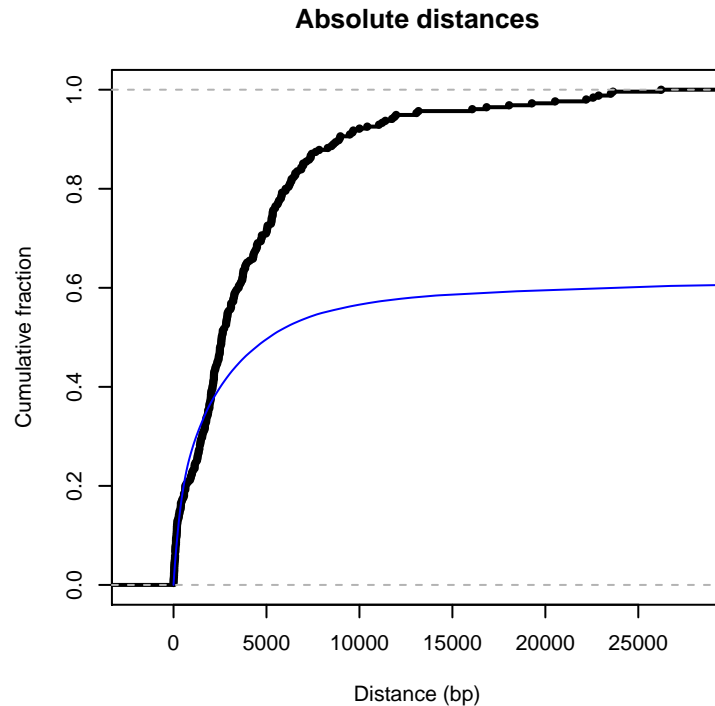
pcontig_010

Query population : 267
Reference population : 972
Relative Ks p-value : 0.147271
Relative ecdf deviation area : 0.0151564
Relative ecdf area correlation : -0.0589741
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 : 0.19
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.0343141
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.20016



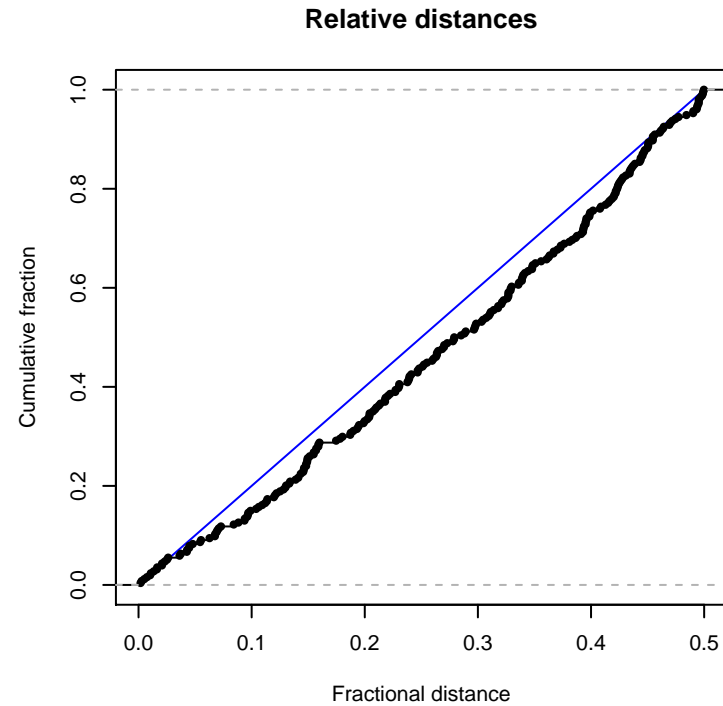
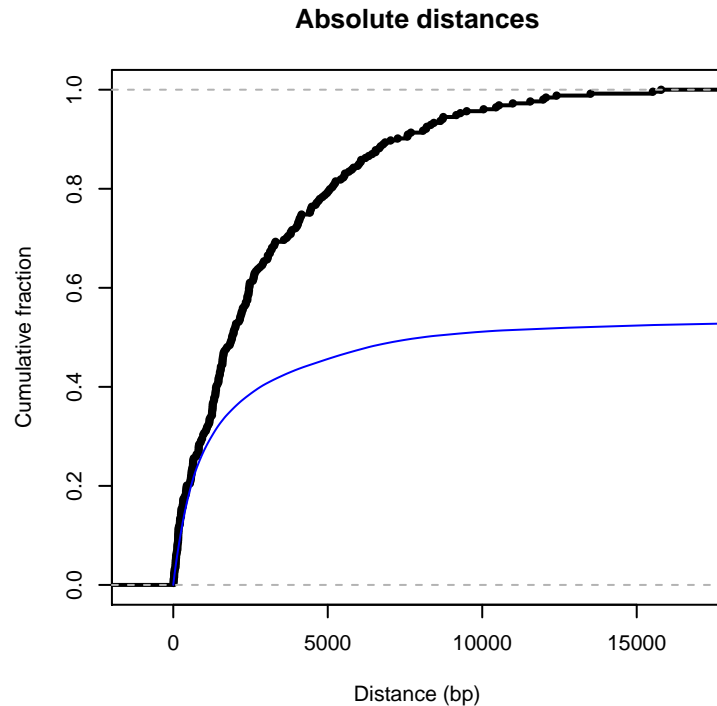
pcontig_011

Query population : 255
Reference population : 1007
Relative Ks p-value : 0.00339448
Relative ecdf deviation area : 0.0323061
Relative ecdf area correlation : -0.130169
Relative ecdf deviation area p-value : <0.01
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 : 0.359086
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.946271



pcontig_012

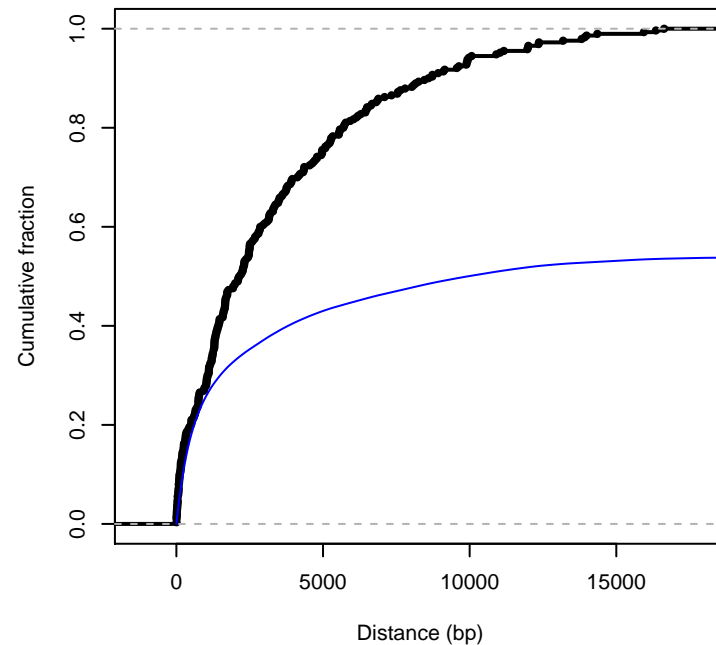
Query population : 254
Reference population : 897
Relative Ks p-value : 0.0694778
Relative ecdf deviation area : 0.0241553
Relative ecdf area correlation : -0.0968772
Relative ecdf deviation area p-value : 0.02
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.29
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.00176795
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.34437



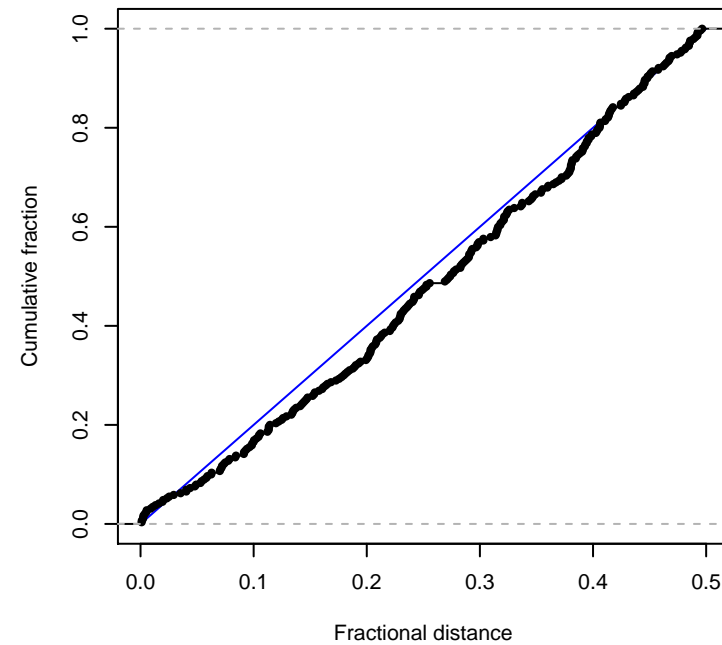
pcontig_013

Query population : 290
Reference population : 936
Relative Ks p-value : 0.108787
Relative ecdf deviation area : 0.0147653
Relative ecdf area correlation : -0.0570624
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 : 0.29
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.000803962
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.36074

Absolute distances

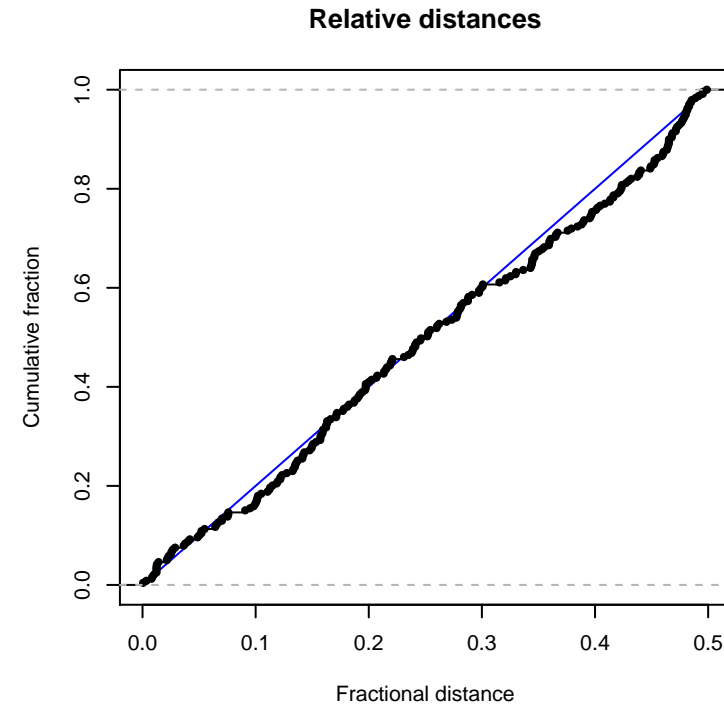
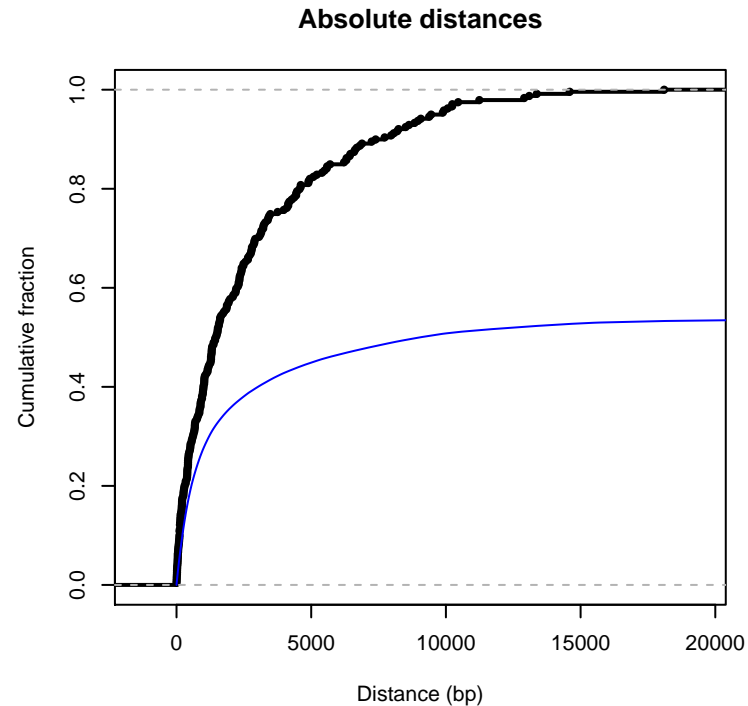


Relative distances



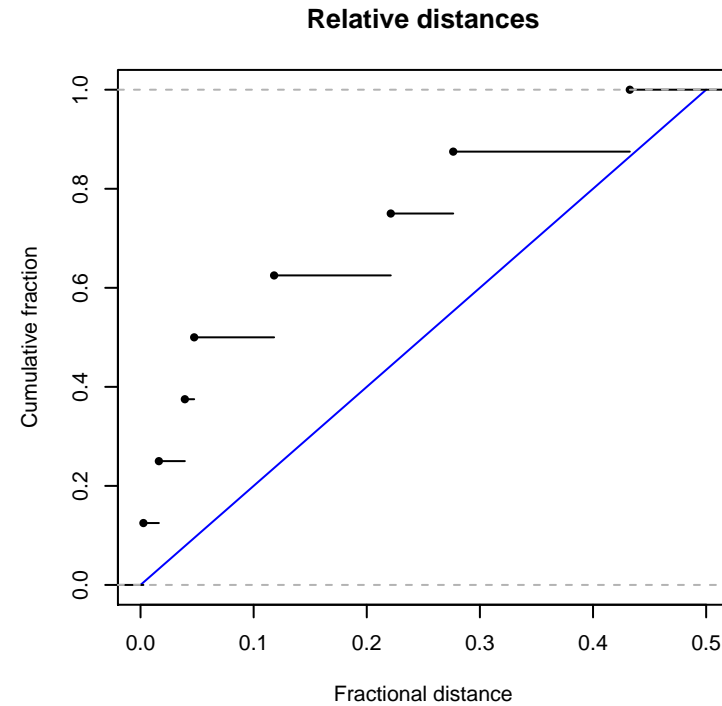
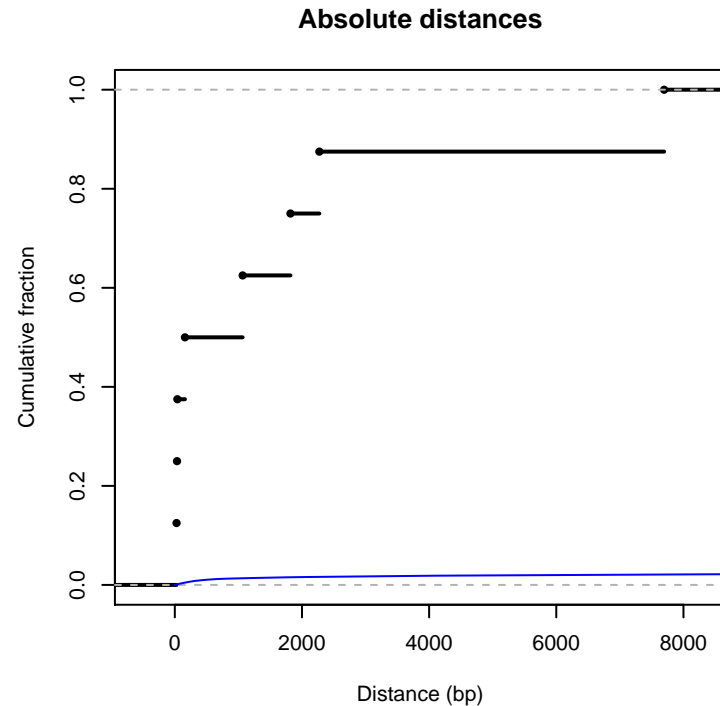
pcontig_014

Query population : 239
Reference population : 941
Relative Ks p-value : 0.338846
Relative ecdf deviation area : 0.0102948
Relative ecdf area correlation : -0.0367151
Relative ecdf deviation area p-value : 0.35
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 : 3.83877e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.52413



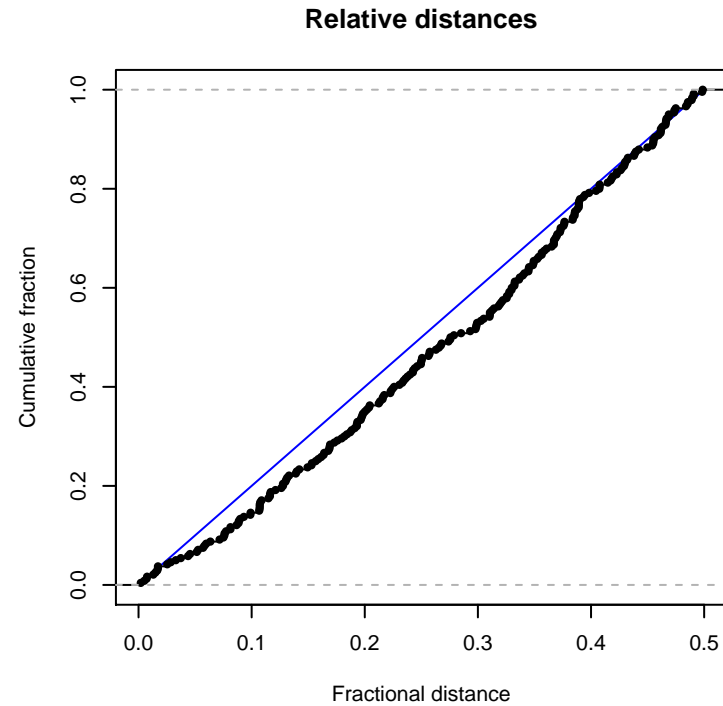
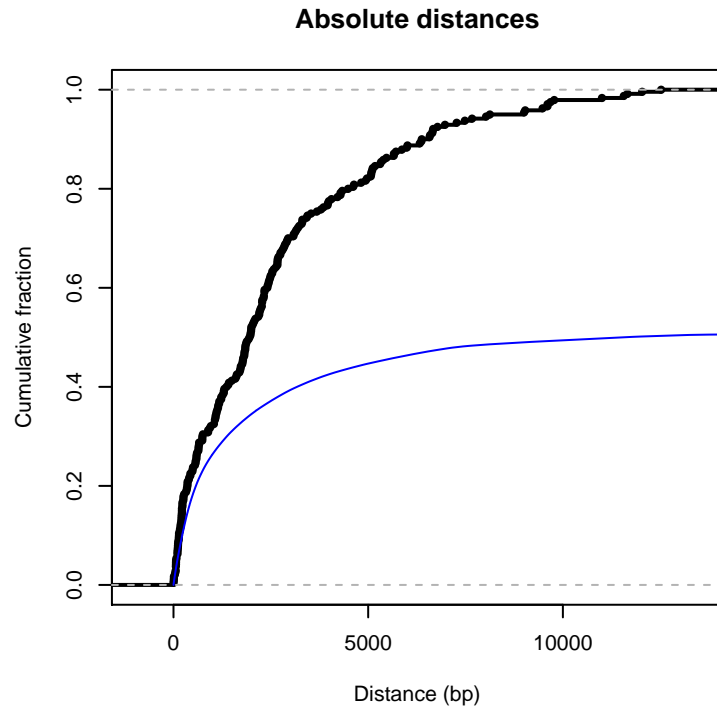
pcontig_015

Query population : 8
Reference population : 62
Relative Ks p-value : 0.106701
Relative ecdf deviation area : 0.105669
Relative ecdf area correlation : 0.423205
Relative ecdf deviation area p-value : 0.06000000000000001
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 : 2.34763e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 37.2867



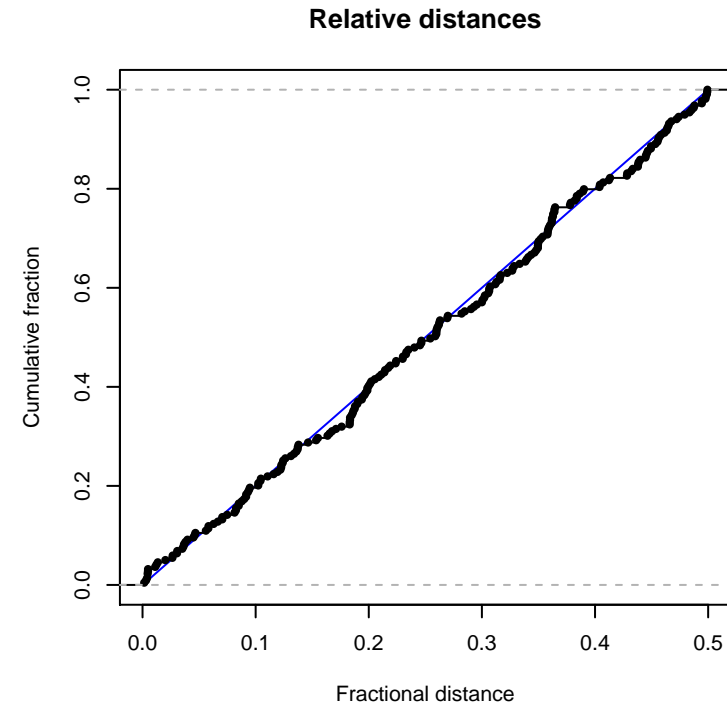
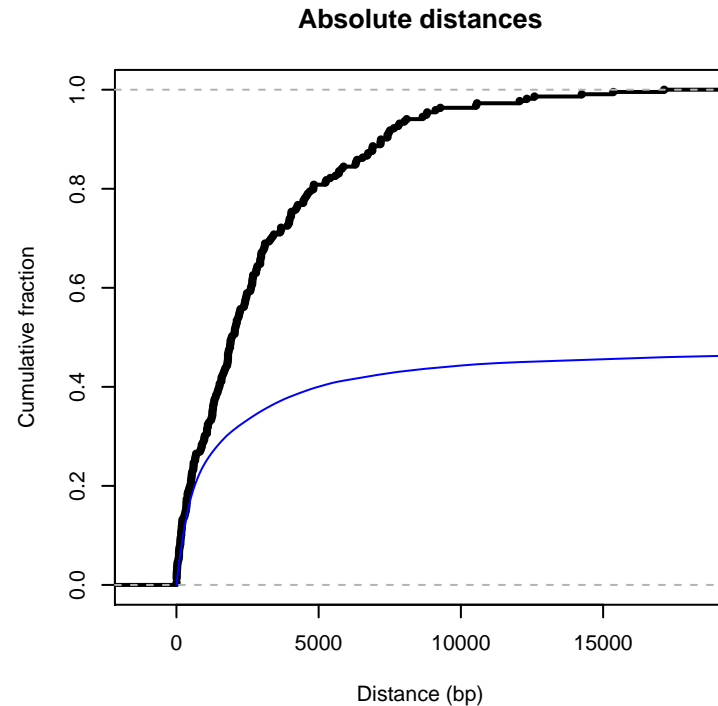
pcontig_016

Query population : 240
Reference population : 956
Relative Ks p-value : 0.072033
Relative ecdf deviation area : 0.0208331
Relative ecdf area correlation : -0.081206
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 : 0.07
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00193419
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.34345



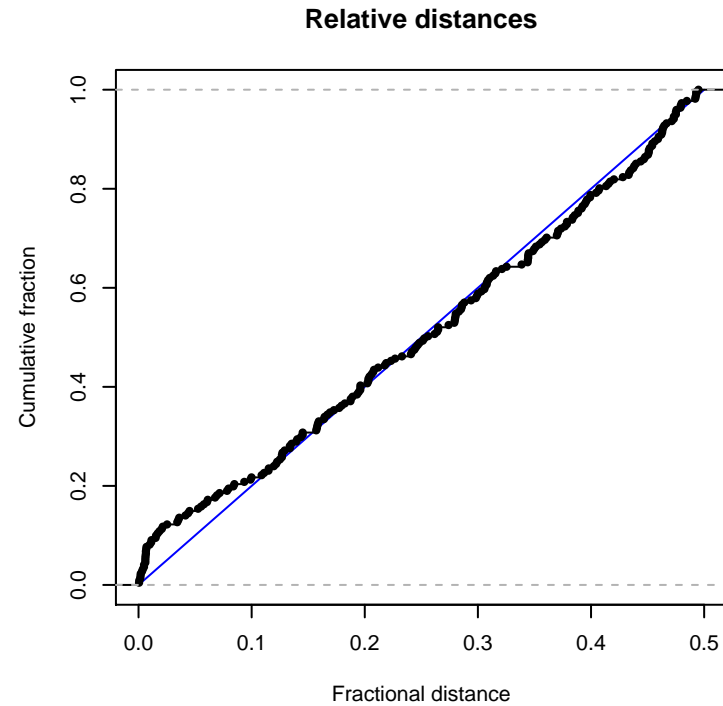
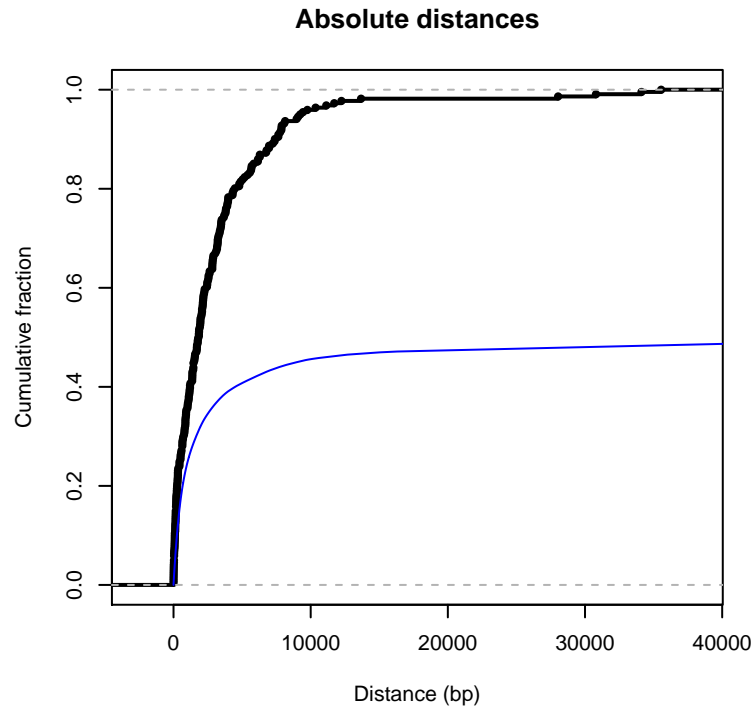
pcontig_017

Query population : 219
Reference population : 912
Relative Ks p-value : 0.728015
Relative ecdf deviation area : 0.00622167
Relative ecdf area correlation : -0.0161383
Relative ecdf deviation area p-value : 0.95
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.21
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.017485
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.28498



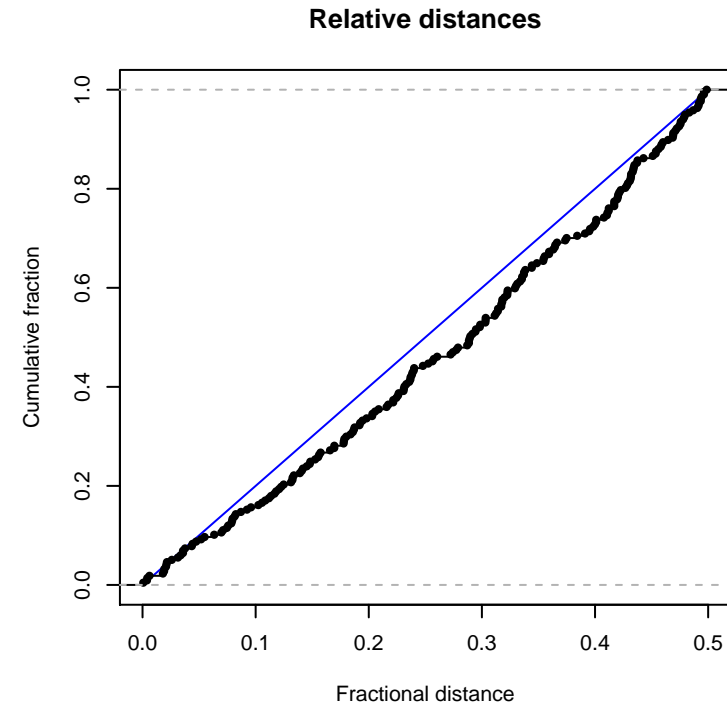
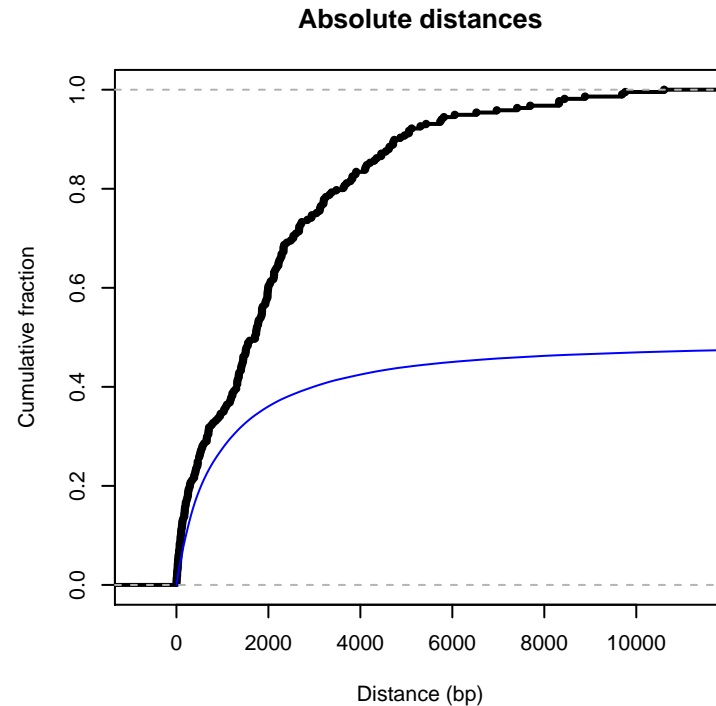
pcontig_018

Query population : 221
Reference population : 854
Relative Ks p-value : 0.169213
Relative ecdf deviation area : 0.0106301
Relative ecdf area correlation : 0.00131274
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 : 0.39
Jaccard Measure lower tail : FALSE
Projection test p-value : 5.57187e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.65097



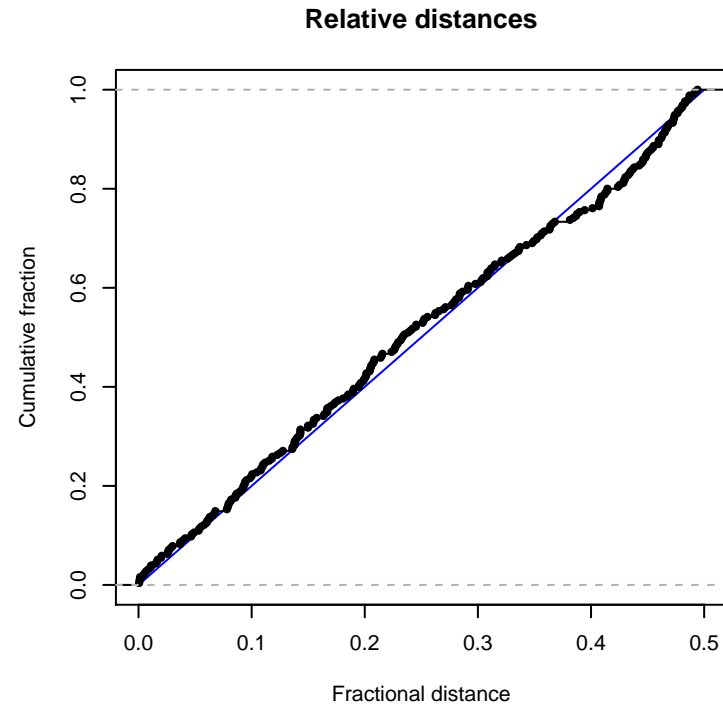
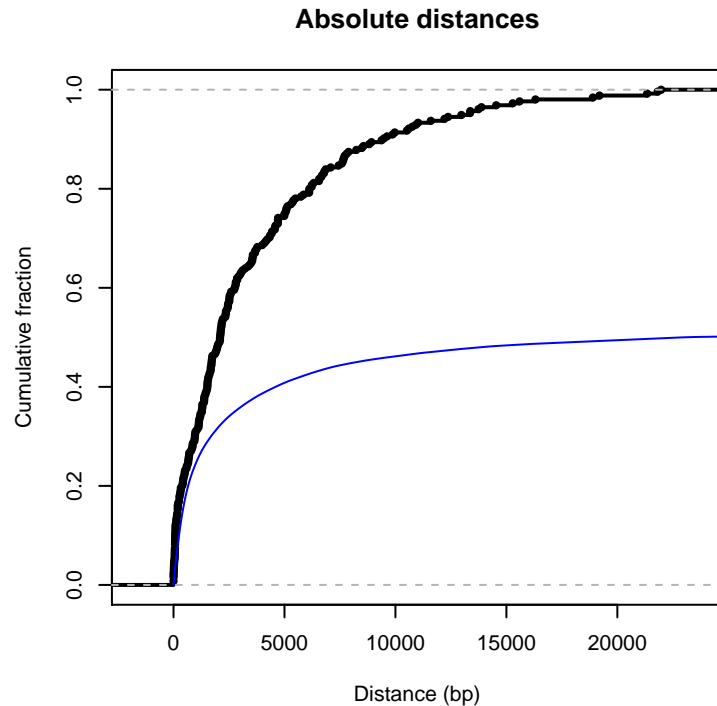
pcontig_019

Query population : 217
Reference population : 1007
Relative Ks p-value : 0.040331
Relative ecdf deviation area : 0.0234615
Relative ecdf area correlation : -0.0958551
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.07
Jaccard Measure lower tail : FALSE
Projection test p-value : 5.13768e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.46911



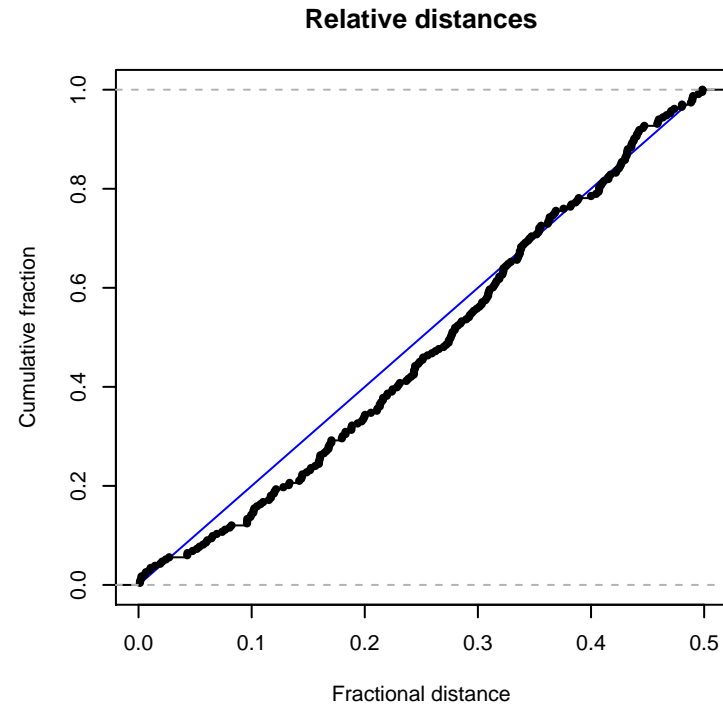
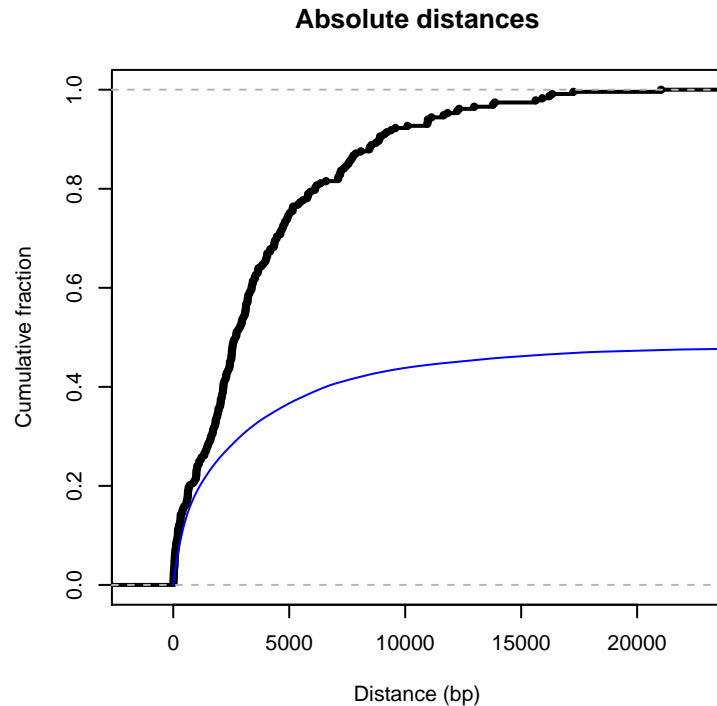
pcontig_020

Query population : 255
Reference population : 826
Relative Ks p-value : 0.460545
Relative ecdf deviation area : 0.00885768
Relative ecdf area correlation : 0.00660524
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 : 0.03
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.13712e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.49686



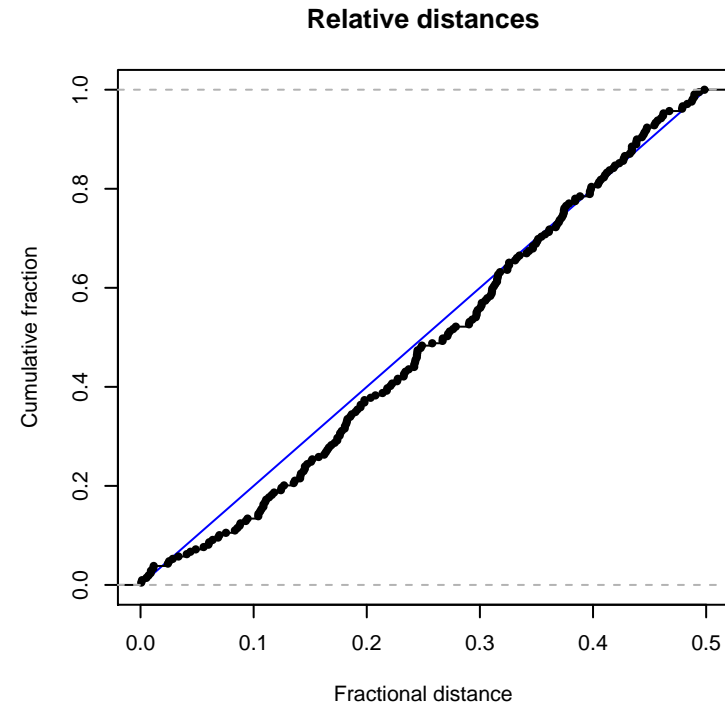
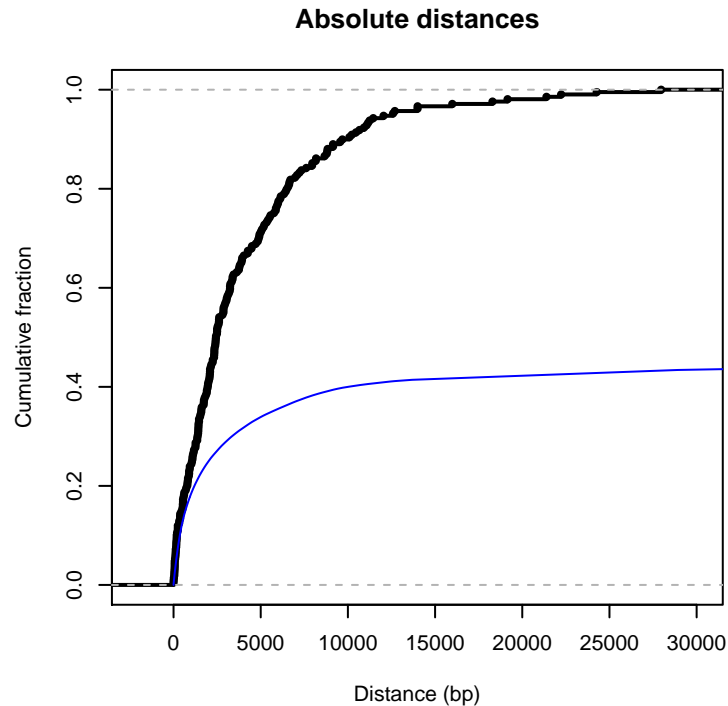
pcontig_021

Query population : 233
Reference population : 659
Relative Ks p-value : 0.113127
Relative ecdf deviation area : 0.0170697
Relative ecdf area correlation : -0.0577686
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 : 0.34
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000374276
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.5342



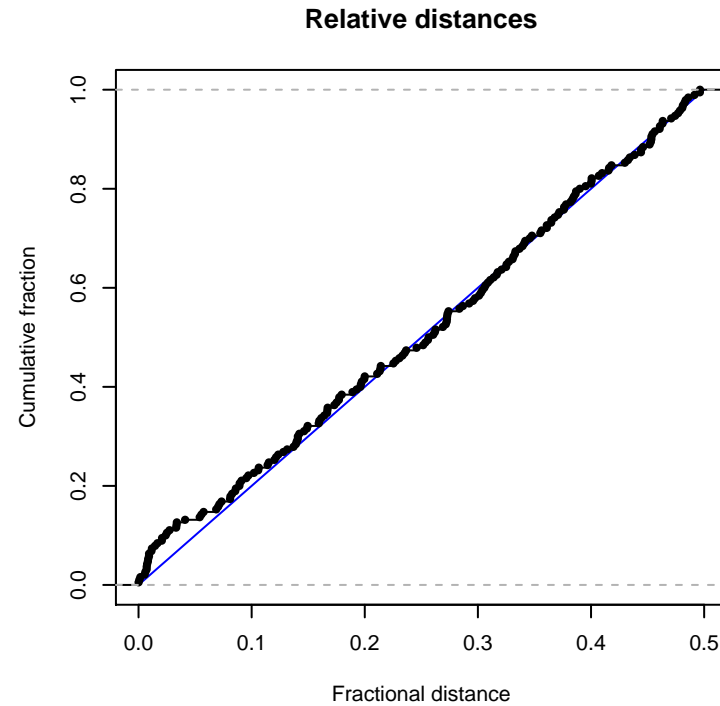
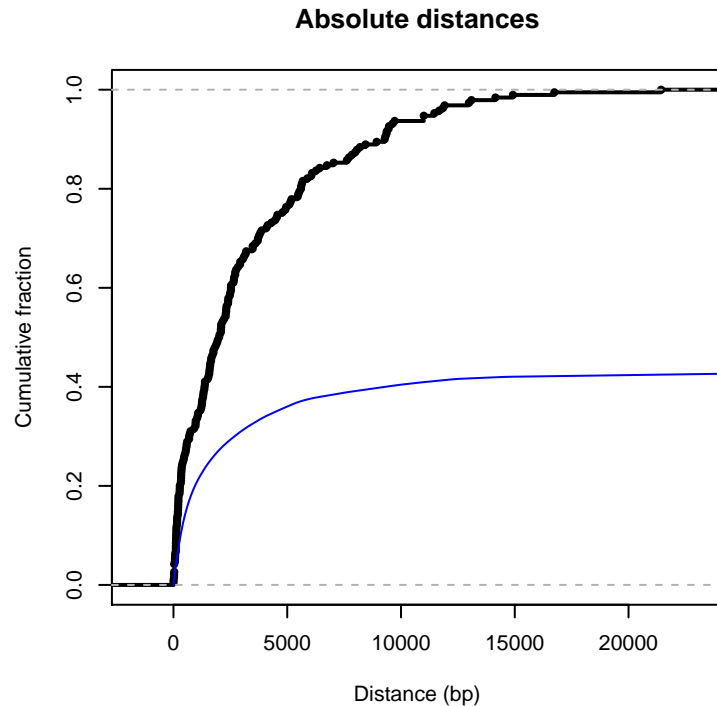
pcontig_022

Query population : 209
Reference population : 643
Relative Ks p-value : 0.200174
Relative ecdf deviation area : 0.0145723
Relative ecdf area correlation : -0.0481041
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 : 0.13
Jaccard Measure lower tail : FALSE
Projection test p-value : 7.42049e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.78437



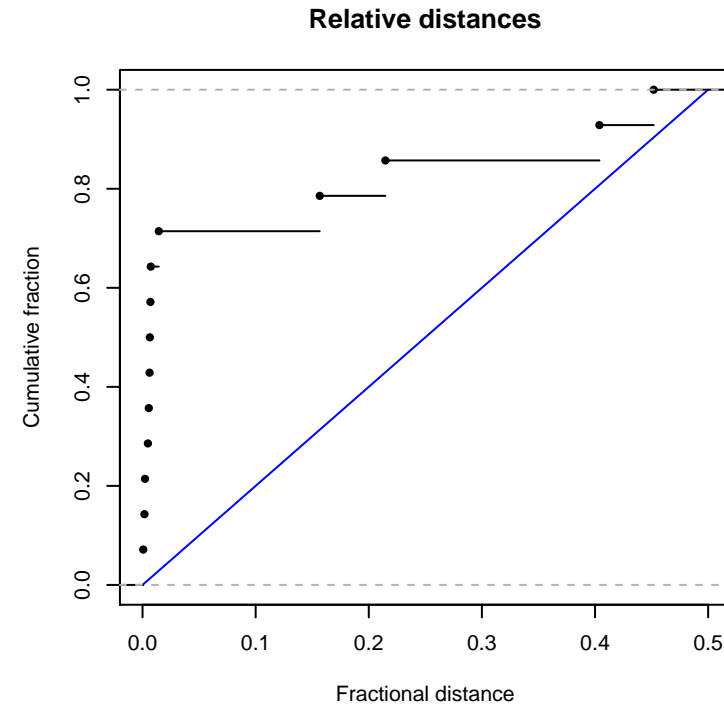
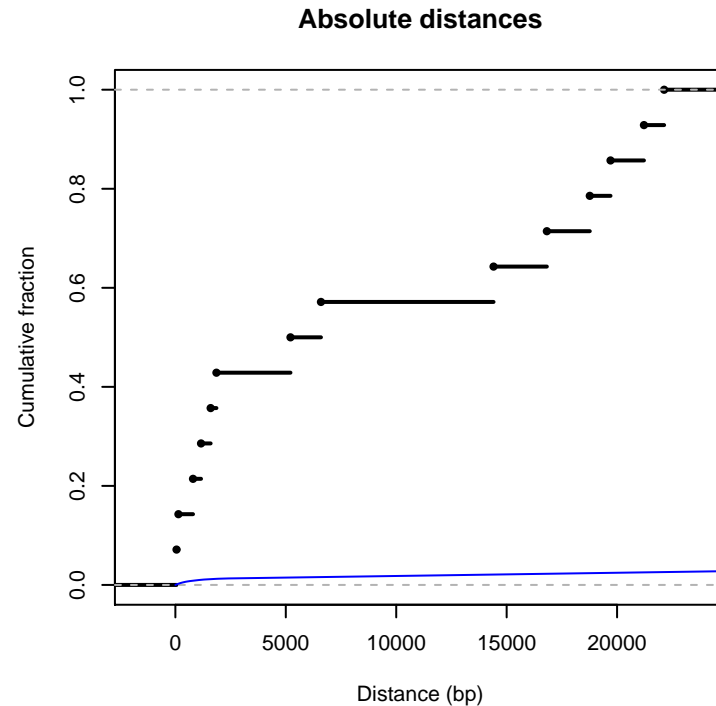
pcontig_023

Query population : 190
Reference population : 747
Relative Ks p-value : 0.531636
Relative ecdf deviation area : 0.00717139
Relative ecdf area correlation : 0.0146641
Relative ecdf deviation area p-value : 0.84
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.39
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.82612e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.80977



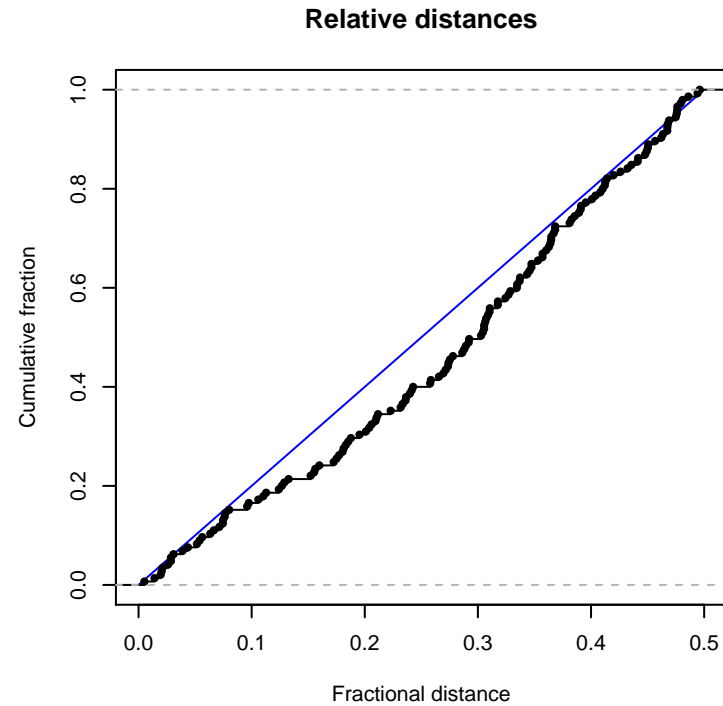
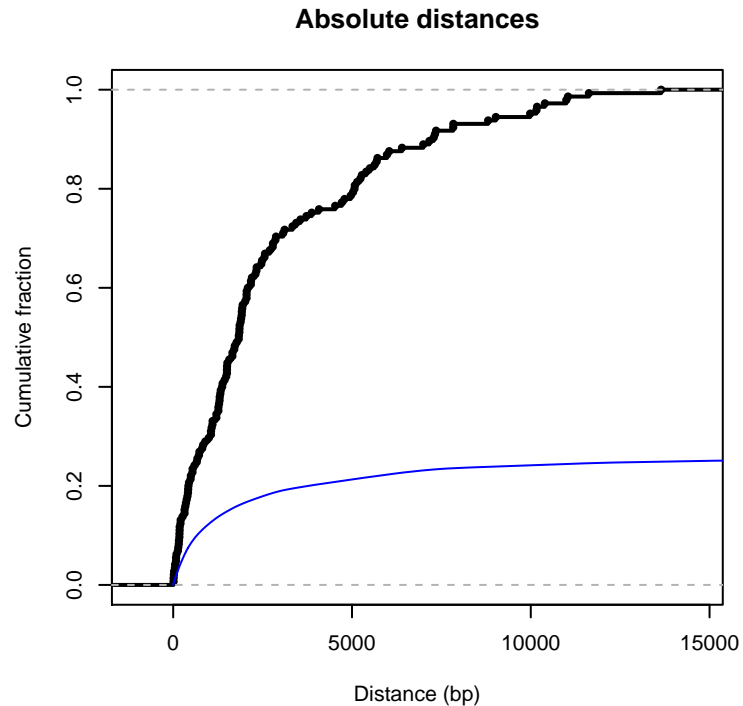
pcontig_024

Query population : 14
Reference population : 34
Relative Ks p-value : 4.54173e-07
Relative ecdf deviation area : 0.157867
Relative ecdf area correlation : 0.633382
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 3.45544e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 34.4765



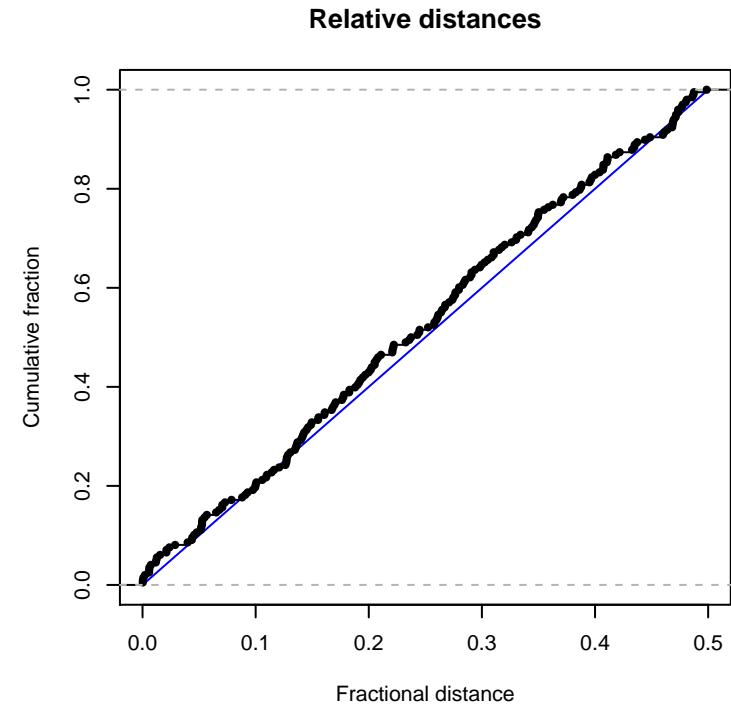
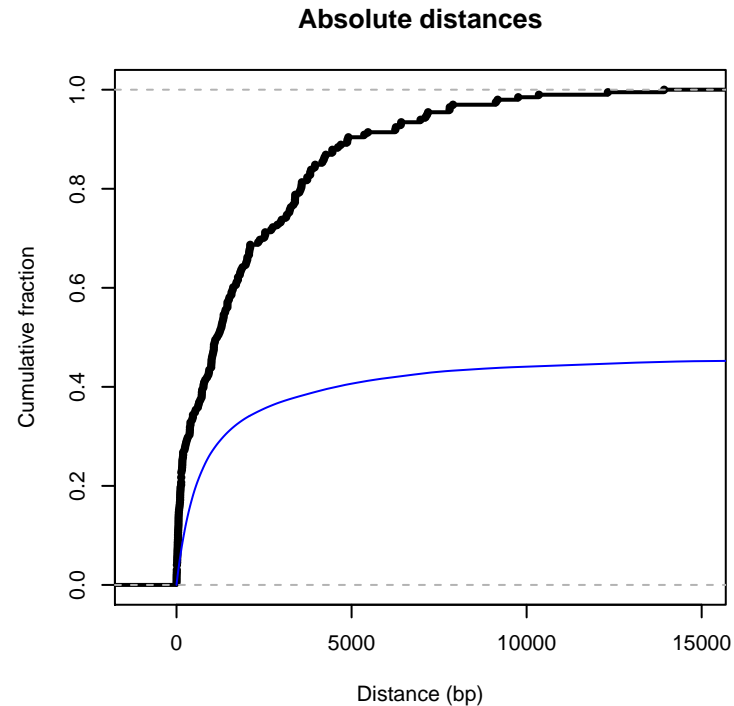
pcontig_025

Query population : 145
Reference population : 424
Relative Ks p-value : 0.0344557
Relative ecdf deviation area : 0.0261242
Relative ecdf area correlation : -0.102804
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 : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.69727



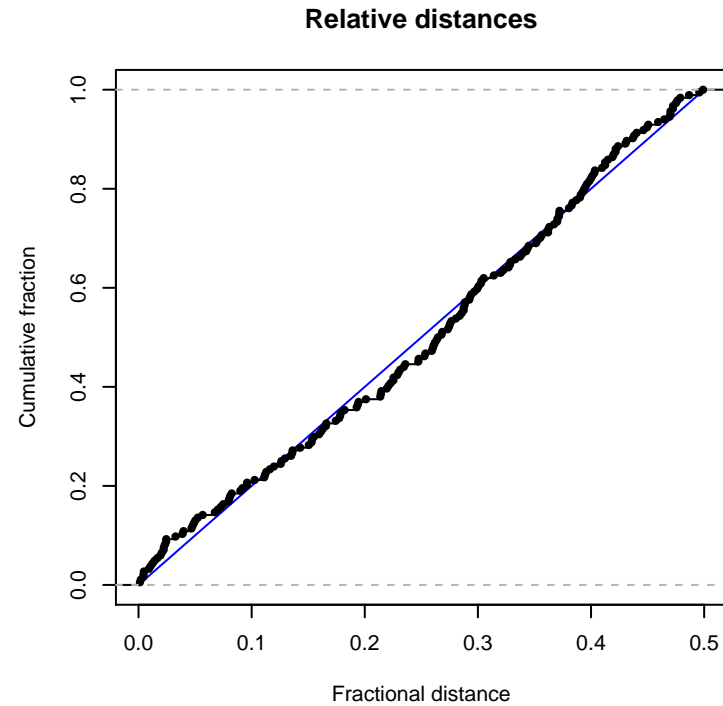
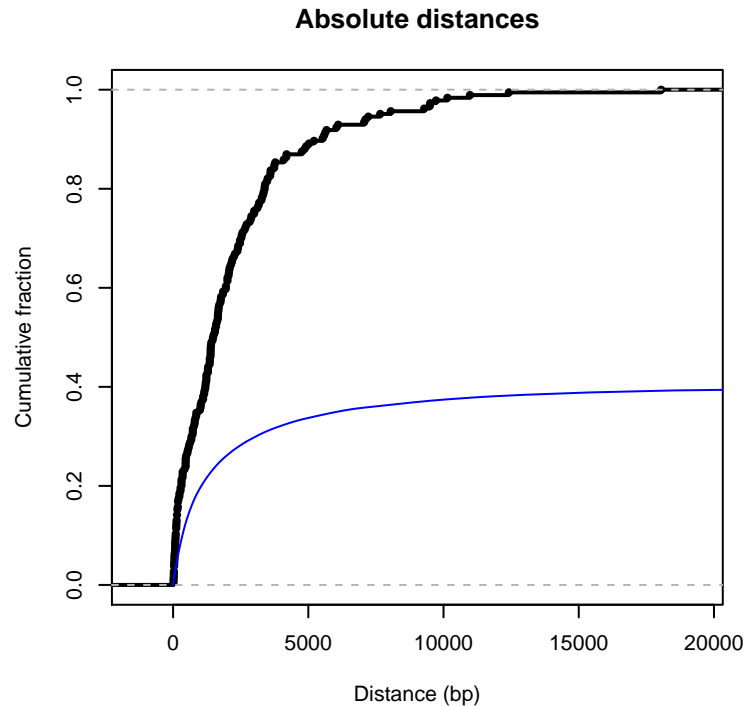
pcontig_026

Query population : 198
Reference population : 1040
Relative Ks p-value : 0.654083
Relative ecdf deviation area : 0.0116112
Relative ecdf area correlation : 0.0408238
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 : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 6.78419e-10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.83939



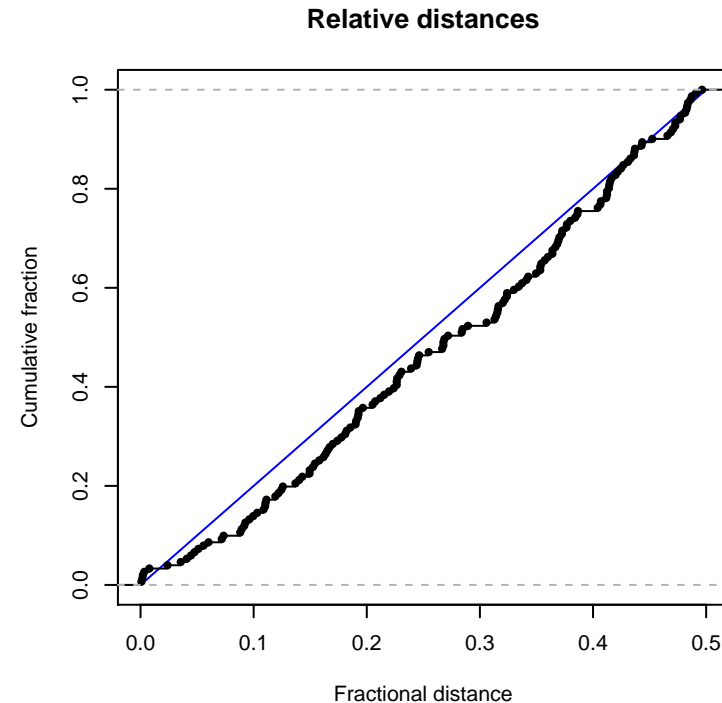
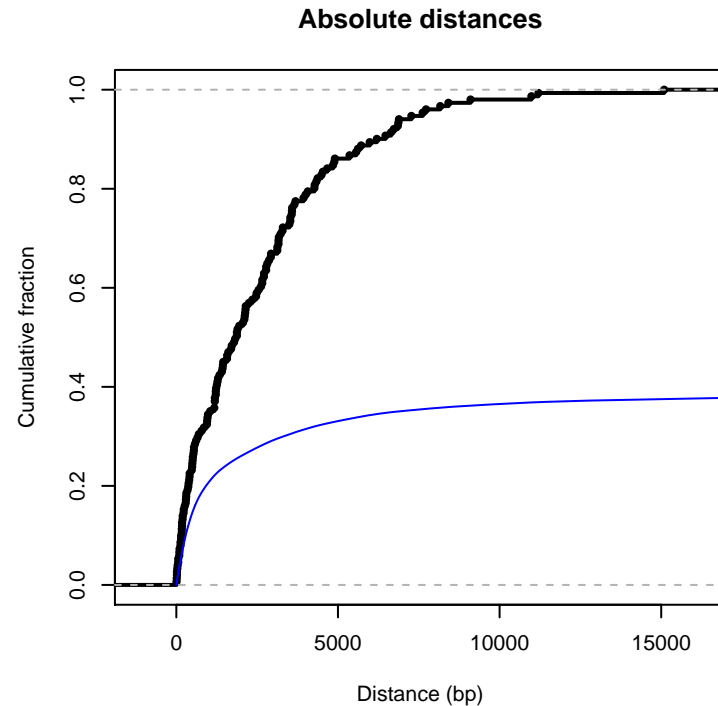
pcontig_027

Query population : 184
Reference population : 667
Relative Ks p-value : 0.691245
Relative ecdf deviation area : 0.00896548
Relative ecdf area correlation : -0.00502167
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 : 1.43596e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.29095



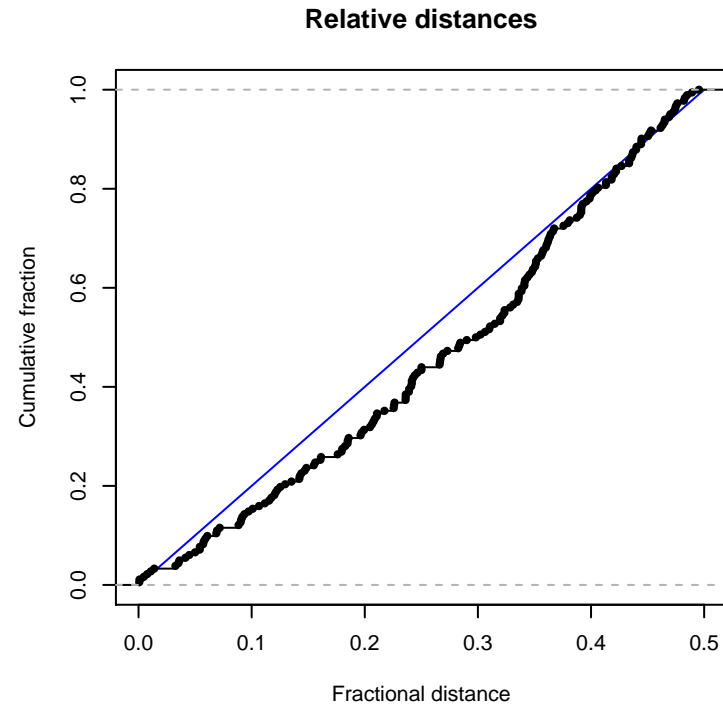
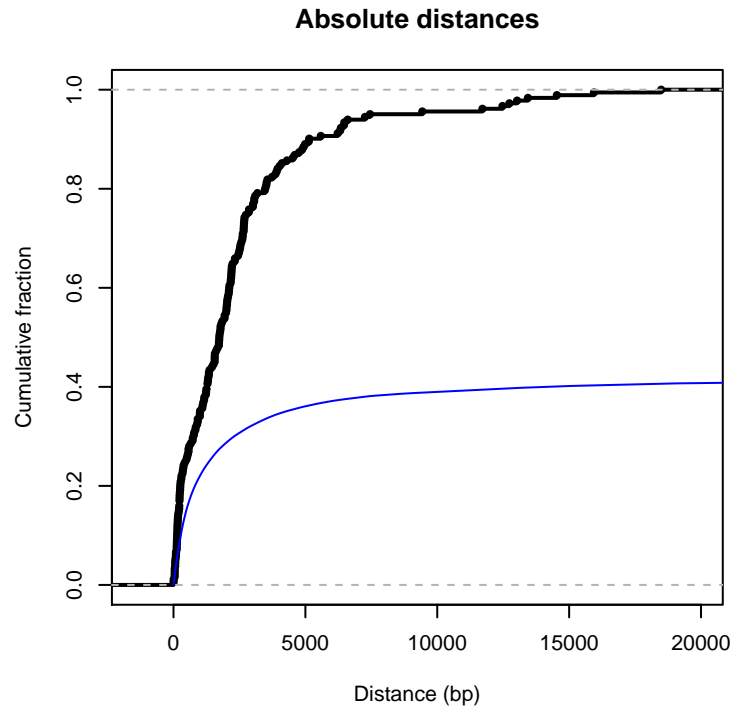
pcontig_028

Query population : 151
Reference population : 761
Relative Ks p-value : 0.122927
Relative ecdf deviation area : 0.0223919
Relative ecdf area correlation : -0.0865662
Relative ecdf deviation area p-value : 0.06000000000000001
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.08
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.70867e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.04503



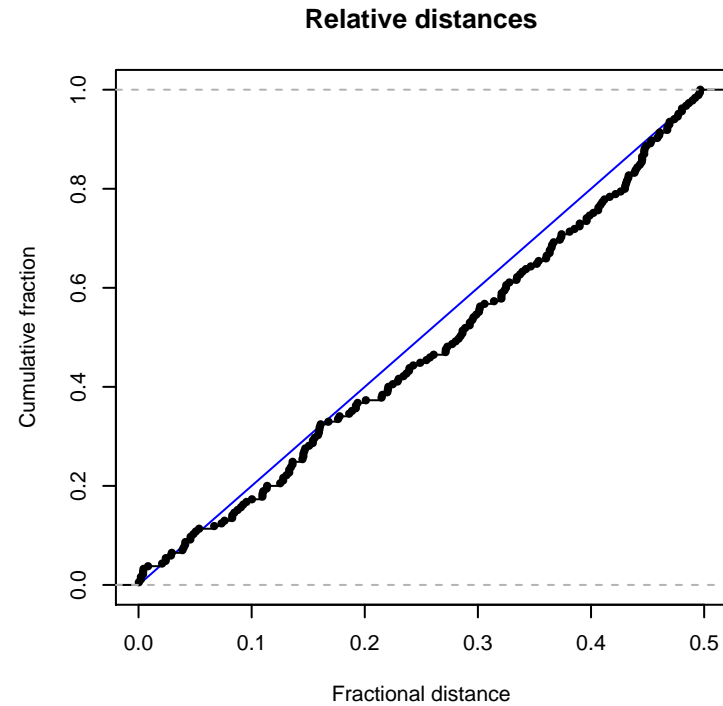
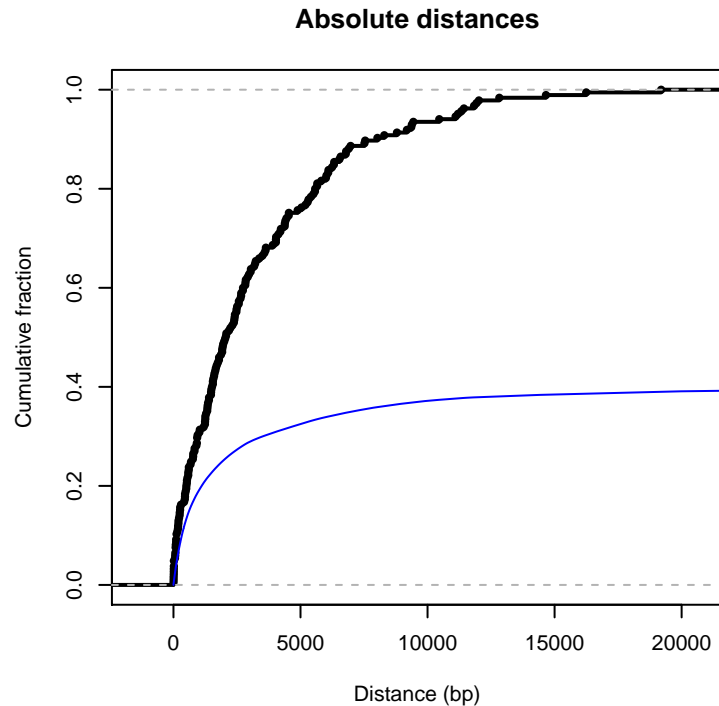
pcontig_029

Query population : 182
Reference population : 791
Relative Ks p-value : 0.02127
Relative ecdf deviation area : 0.0258499
Relative ecdf area correlation : -0.0986638
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 : 3.28597e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.91825



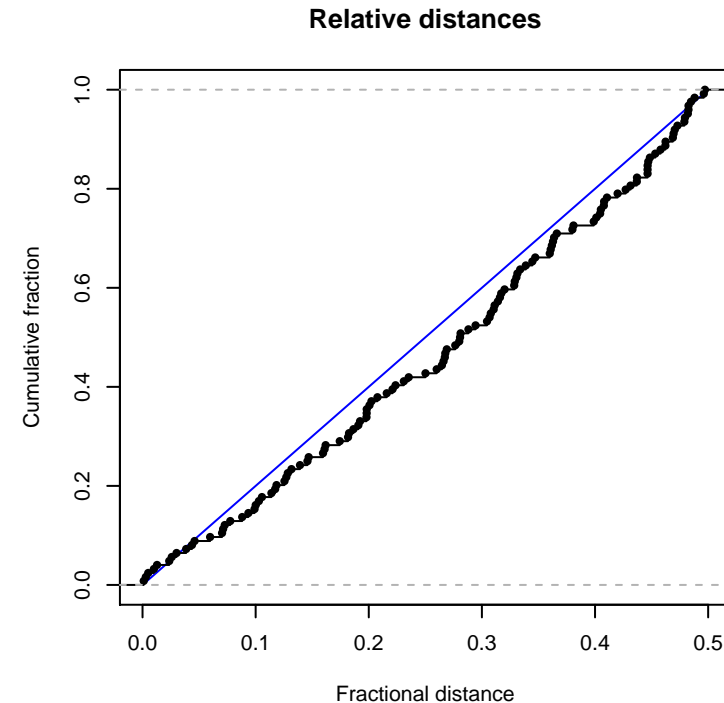
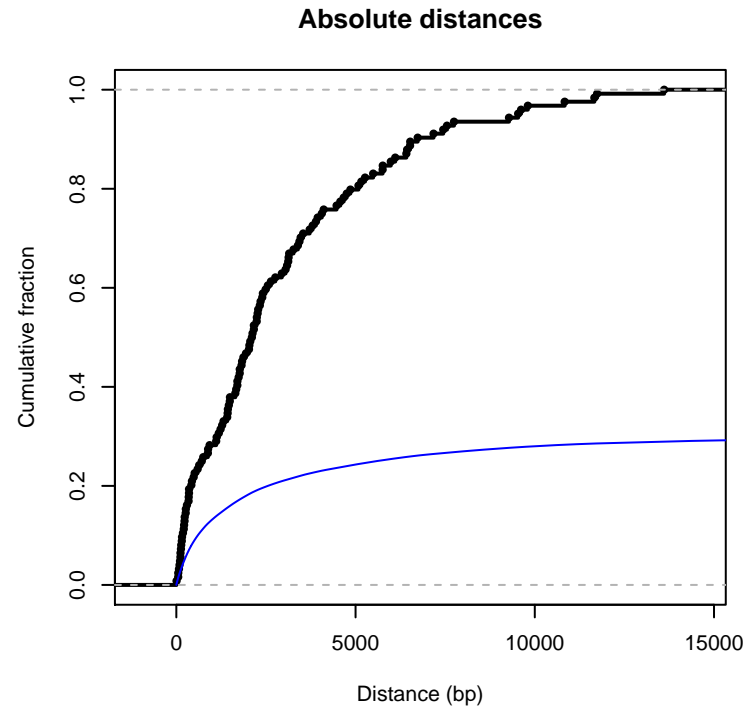
pcontig_030

Query population : 185
Reference population : 715
Relative Ks p-value : 0.210468
Relative ecdf deviation area : 0.0177822
Relative ecdf area correlation : -0.0686956
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 : 0.05
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.89985e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.72094



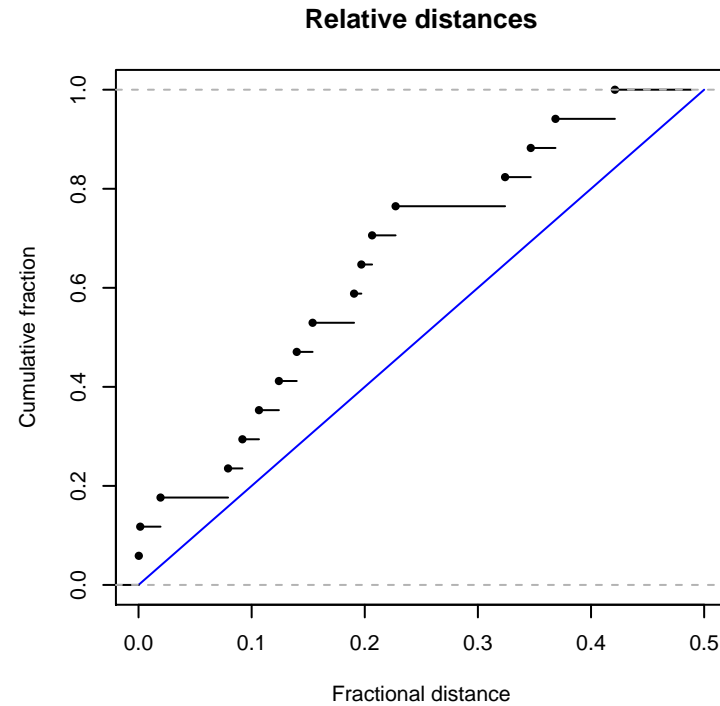
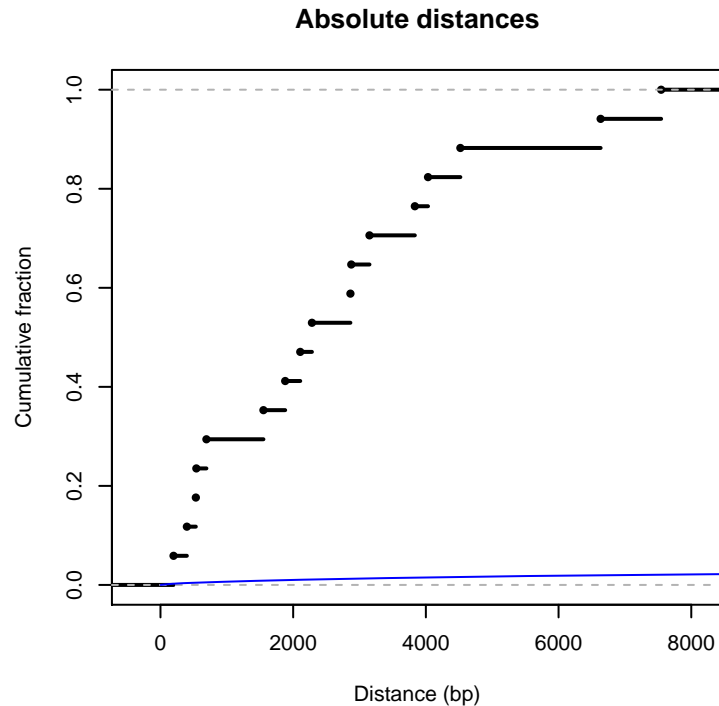
pcontig_031

Query population : 124
Reference population : 482
Relative Ks p-value : 0.225344
Relative ecdf deviation area : 0.0224554
Relative ecdf area correlation : -0.0865483
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 : 3.39672e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.9051



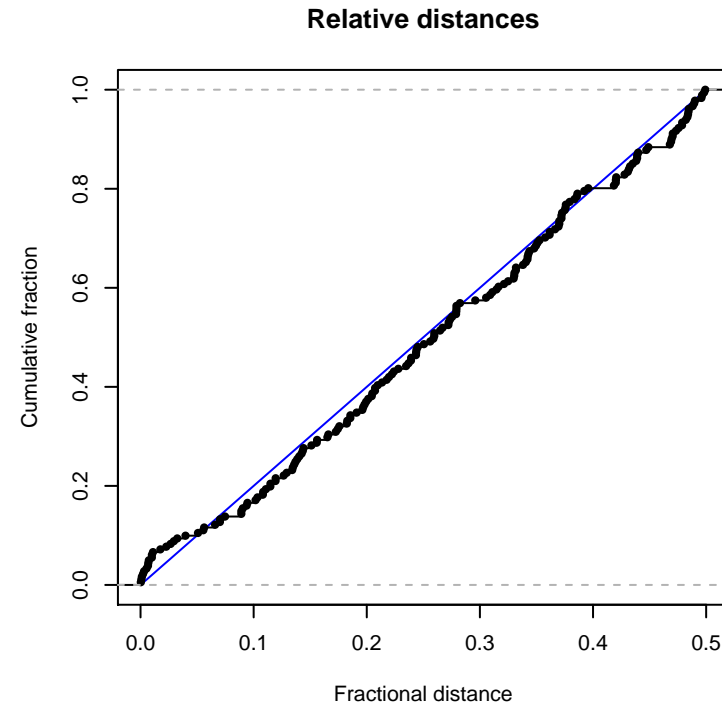
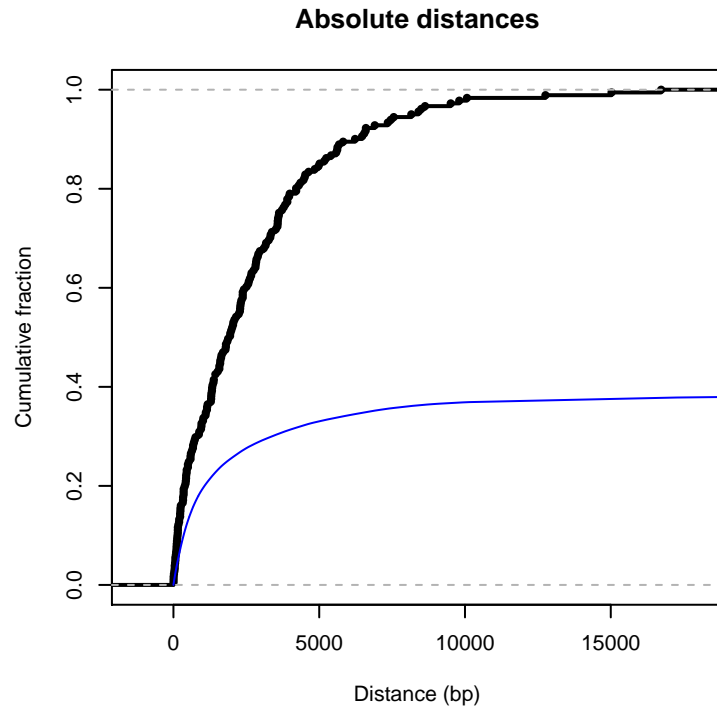
pcontig_032

Query population : 17
Reference population : 23
Relative Ks p-value : 0.059665
Relative ecdf deviation area : 0.0737044
Relative ecdf area correlation : 0.294546
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 : 53.0434



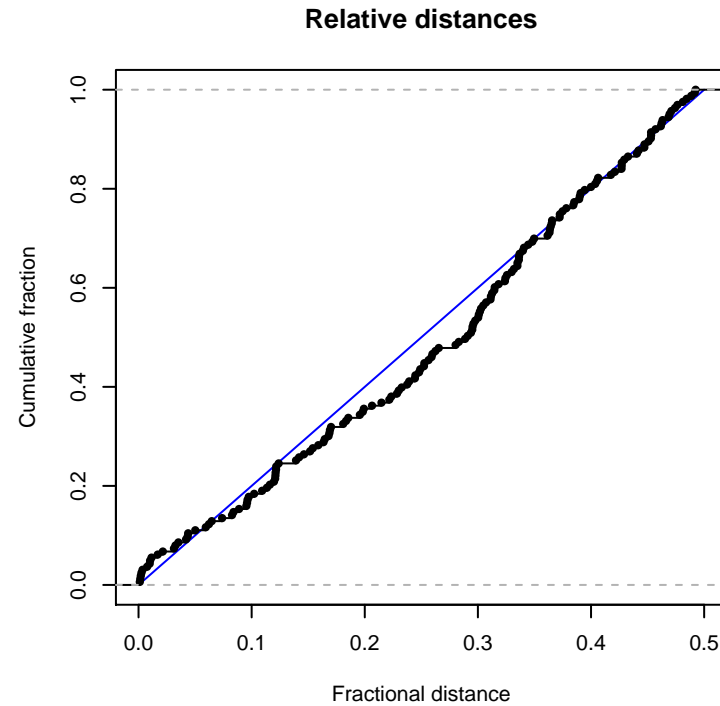
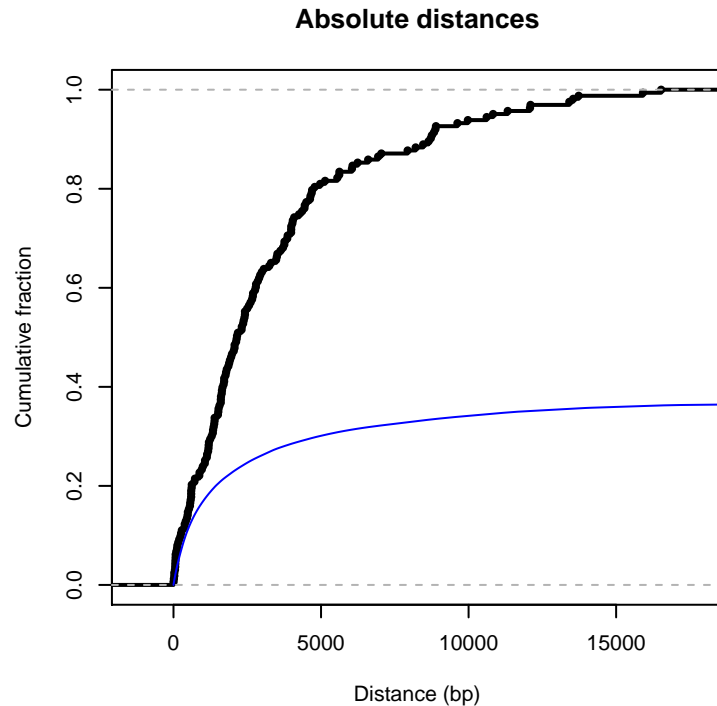
pcontig_033

Query population : 181
Reference population : 637
Relative Ks p-value : 0.715067
Relative ecdf deviation area : 0.0120134
Relative ecdf area correlation : -0.0346321
Relative ecdf deviation area p-value : 0.43
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.78629e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.06397



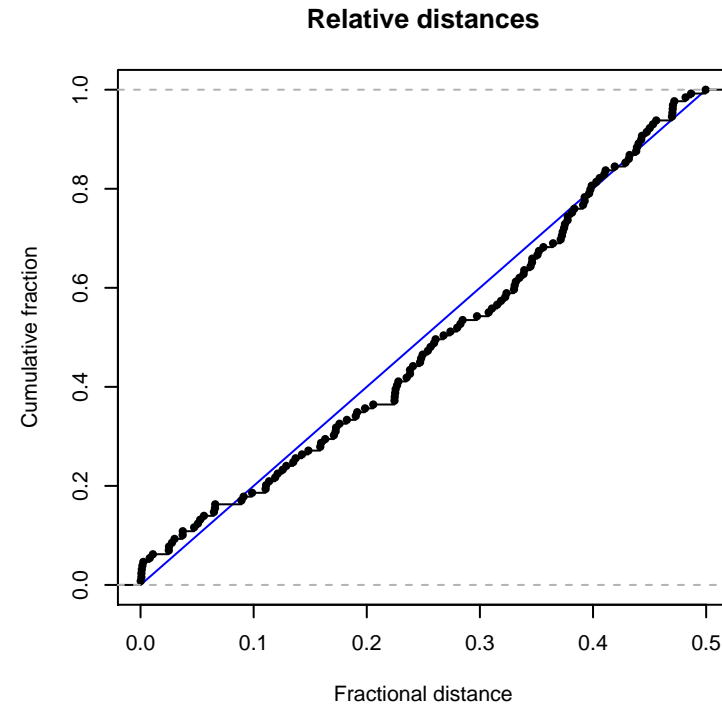
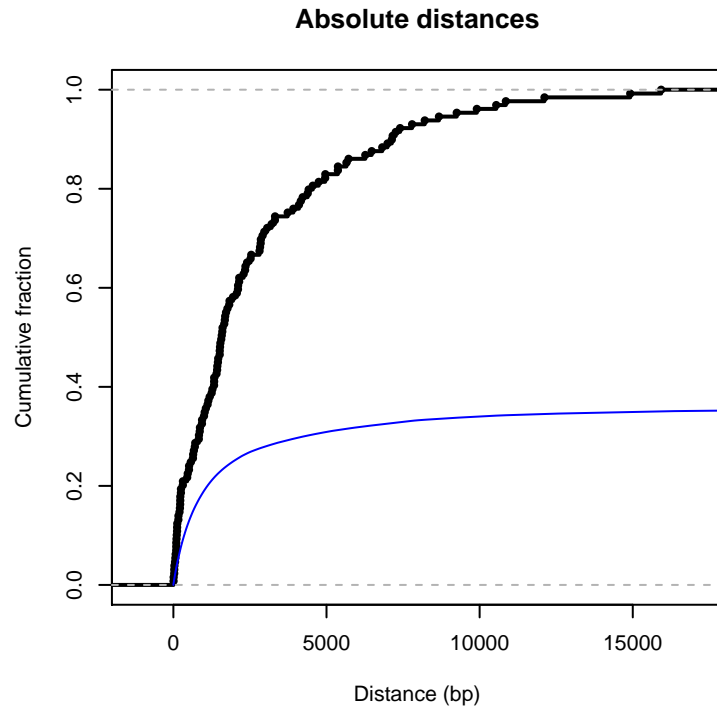
pcontig_034

Query population : 163
Reference population : 579
Relative Ks p-value : 0.173766
Relative ecdf deviation area : 0.0139906
Relative ecdf area correlation : -0.04609
Relative ecdf deviation area p-value : 0.35
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.2404e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.8254



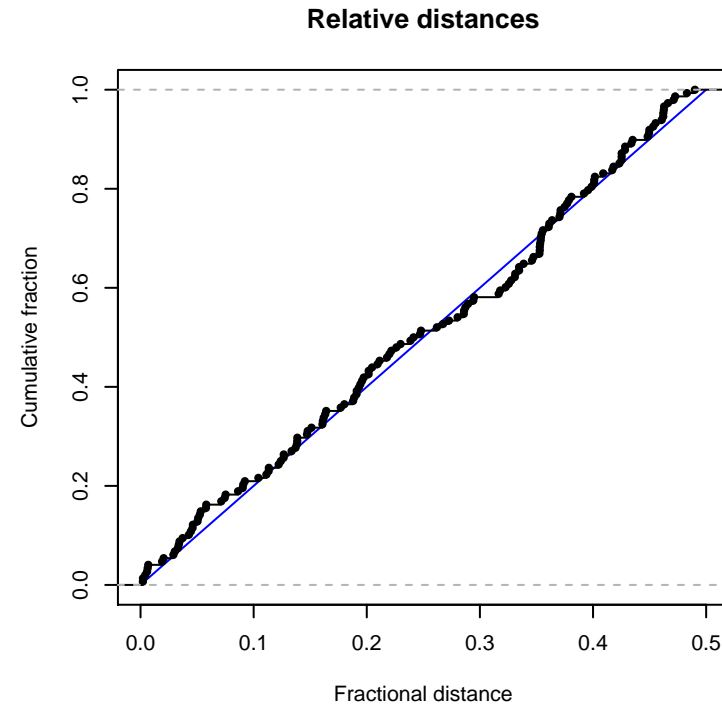
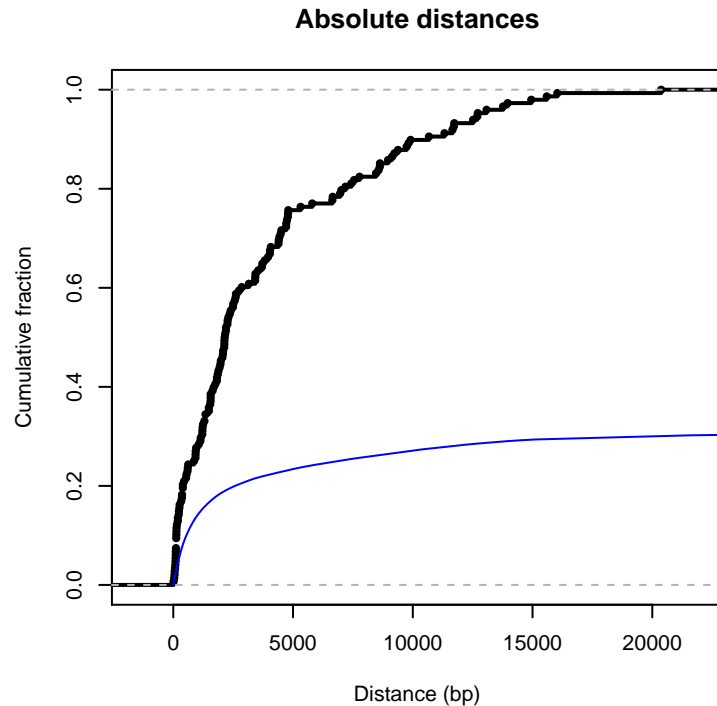
pcontig_035

Query population : 129
Reference population : 688
Relative Ks p-value : 0.313817
Relative ecdf deviation area : 0.0160708
Relative ecdf area correlation : -0.0384108
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 : 1.38232e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.00976



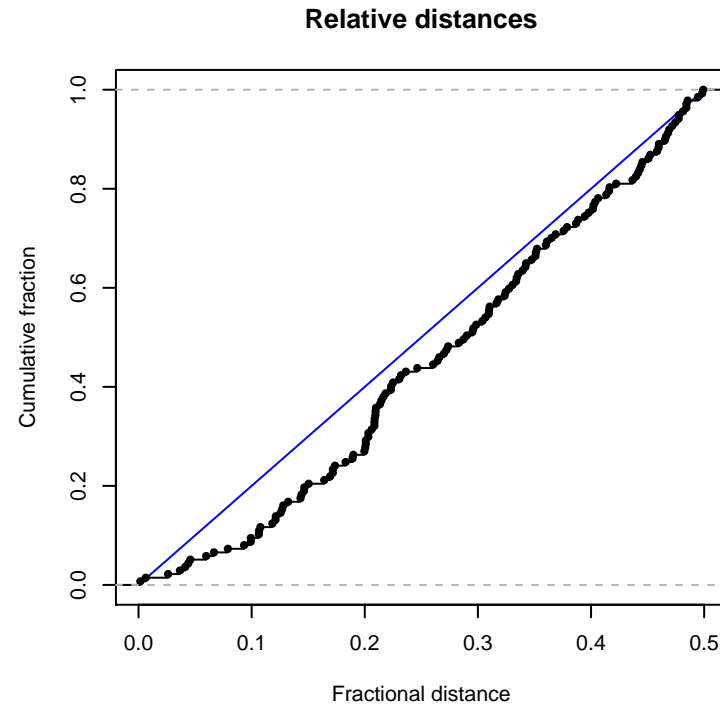
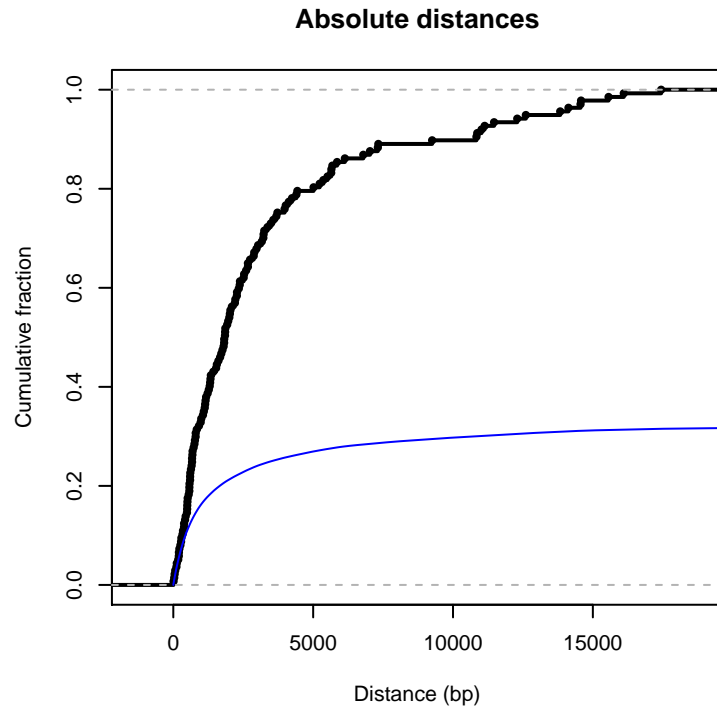
pcontig_036

Query population : 148
Reference population : 488
Relative Ks p-value : 0.817075
Relative ecdf deviation area : 0.00776387
Relative ecdf area correlation : 0.0110617
Relative ecdf deviation area p-value : 0.88
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 9.58722e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.57827



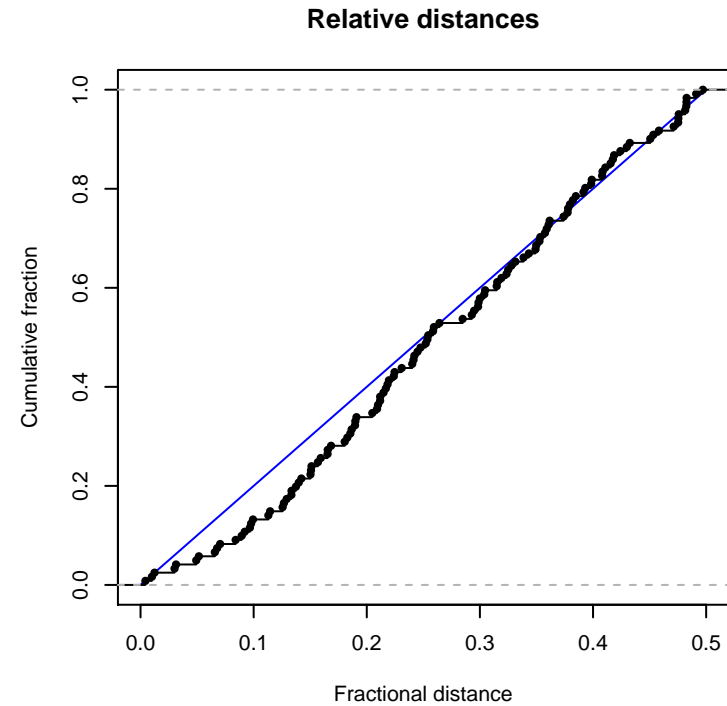
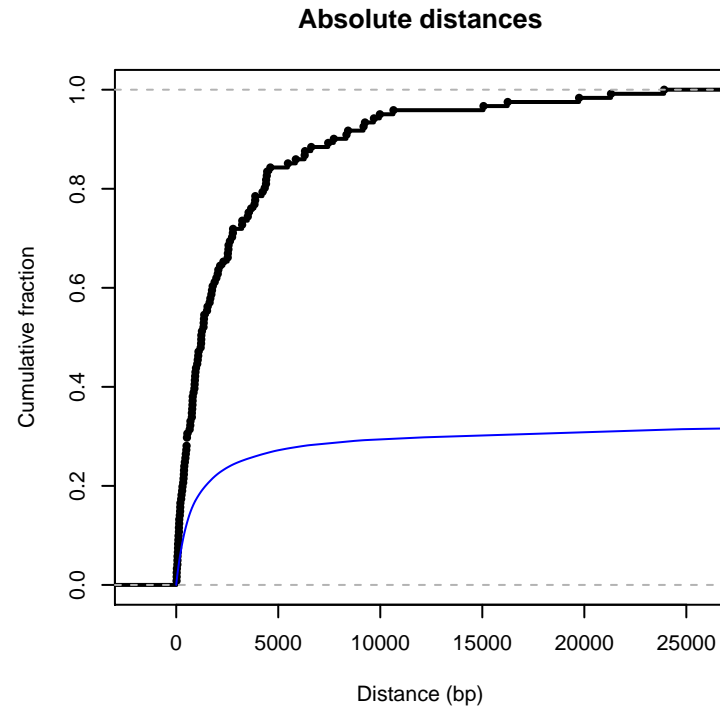
pcontig_037

Query population : 137
Reference population : 562
Relative Ks p-value : 0.0121455
Relative ecdf deviation area : 0.0325863
Relative ecdf area correlation : -0.128256
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 5.72012e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.1453



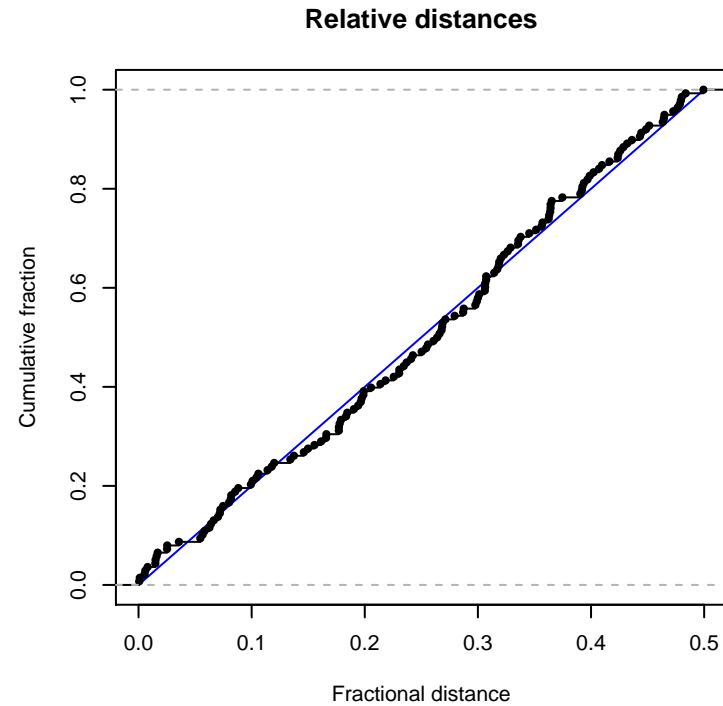
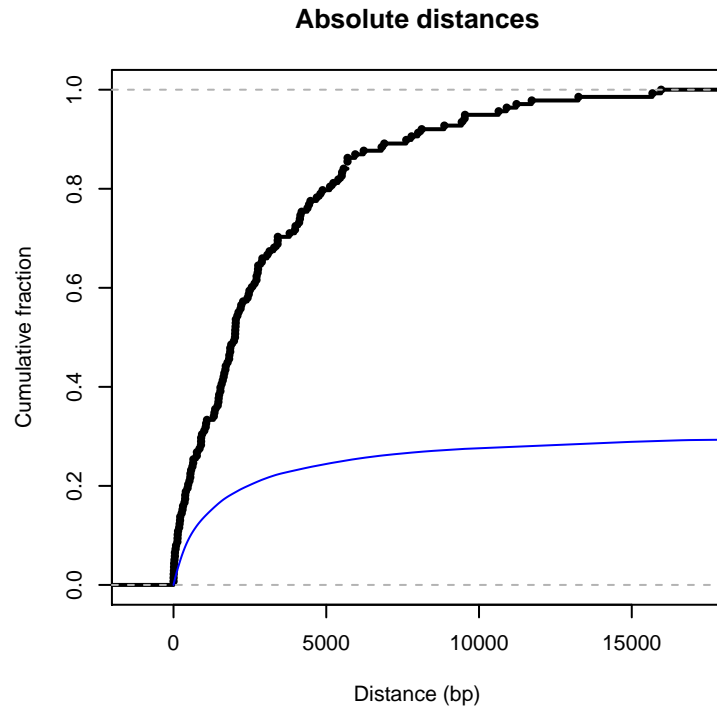
pcontig_039

Query population : 121
Reference population : 658
Relative Ks p-value : 0.157849
Relative ecdf deviation area : 0.0181007
Relative ecdf area correlation : -0.0623845
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 : 1.22466e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.34574



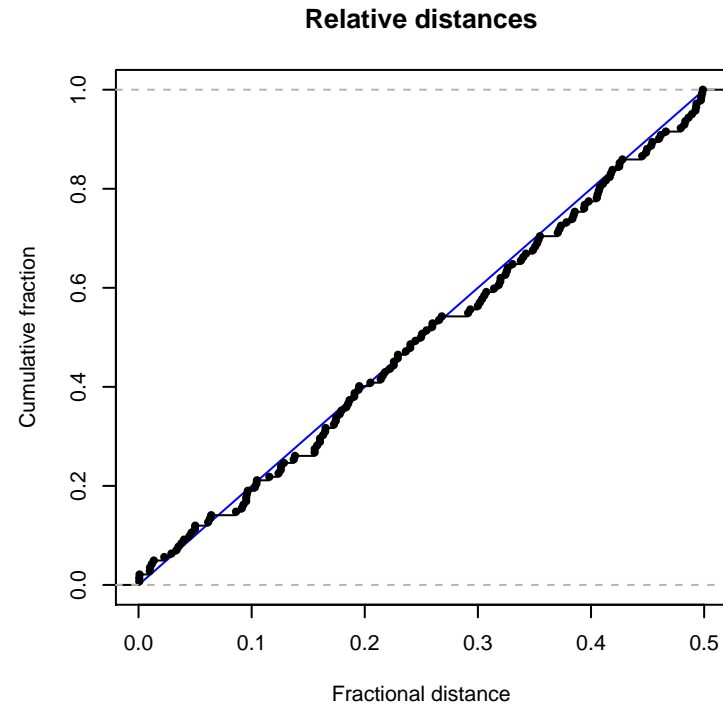
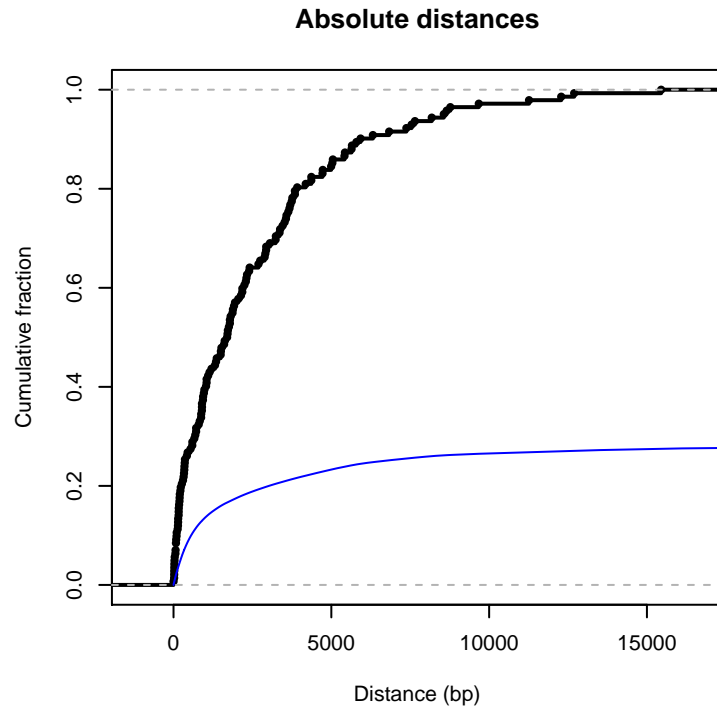
pcontig_040

Query population : 138
Reference population : 455
Relative Ks p-value : 0.883307
Relative ecdf deviation area : 0.0098875
Relative ecdf area correlation : -0.00380557
Relative ecdf deviation area p-value : 0.77
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.28201e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.5178



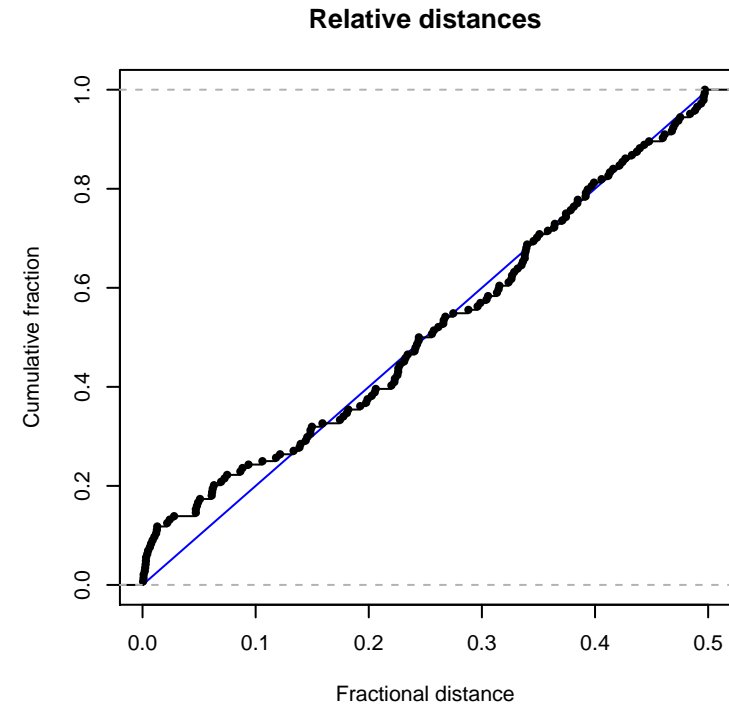
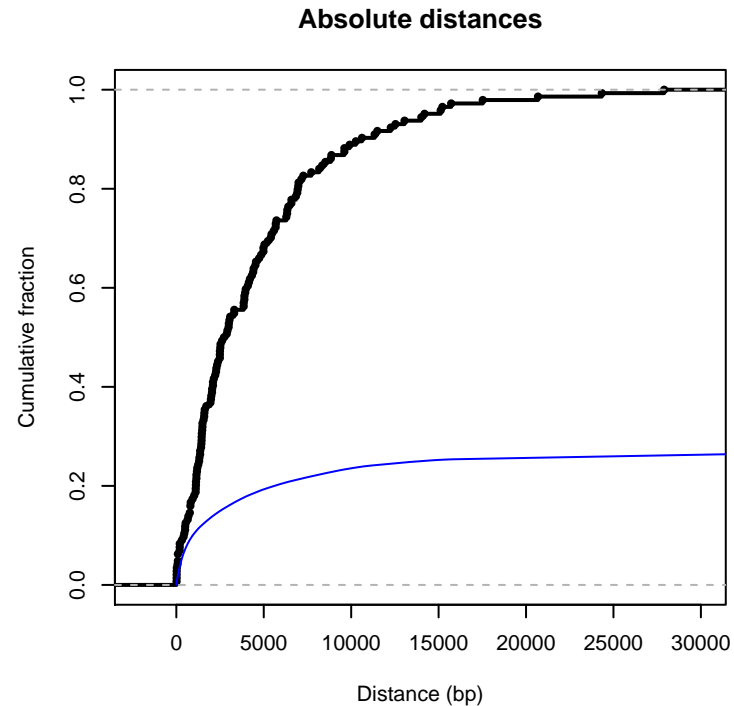
pcontig_041

Query population : 142
Reference population : 476
Relative Ks p-value : 0.857444
Relative ecdf deviation area : 0.00833523
Relative ecdf area correlation : -0.0292764
Relative ecdf deviation area p-value : 0.85
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.2975



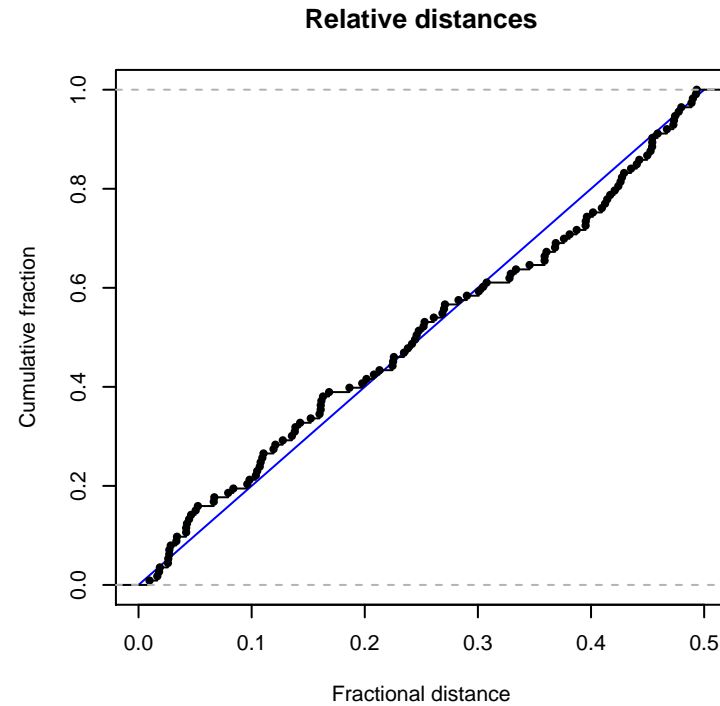
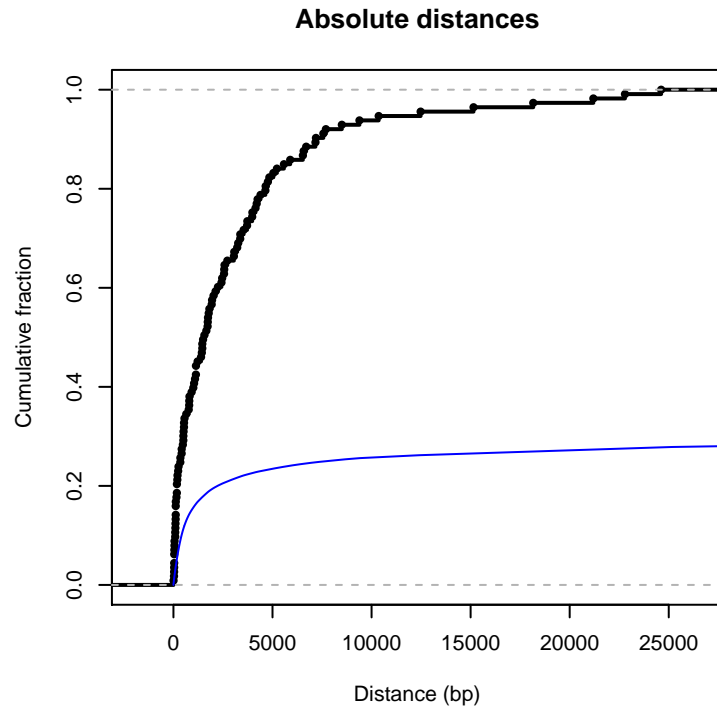
pcontig_042

Query population : 144
Reference population : 408
Relative Ks p-value : 0.174233
Relative ecdf deviation area : 0.0126345
Relative ecdf area correlation : 0.0116999
Relative ecdf deviation area p-value : 0.46
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00340111
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.77938



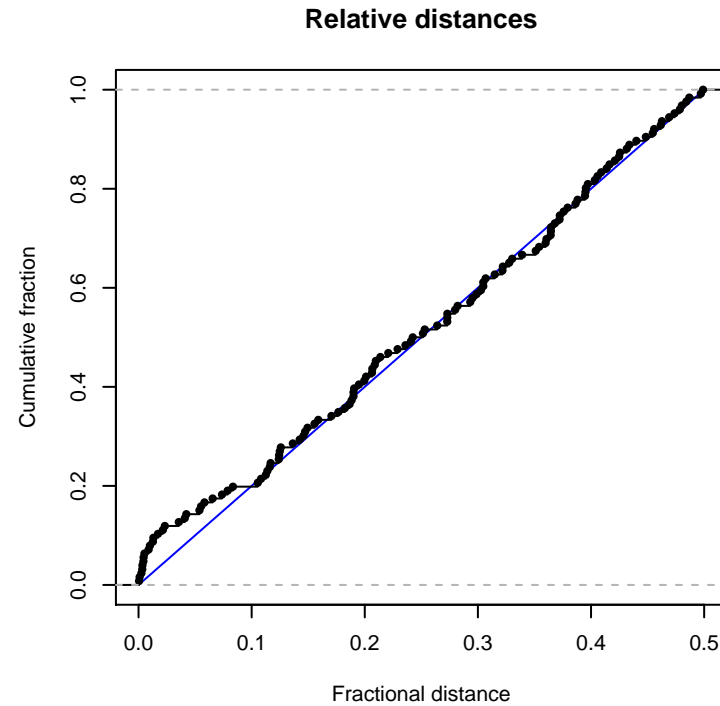
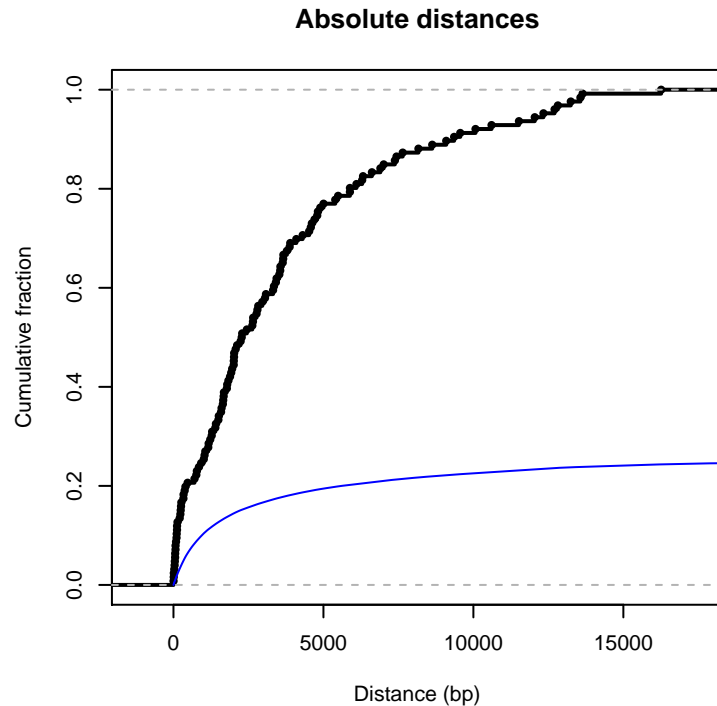
pcontig_043

Query population : 113
Reference population : 632
Relative Ks p-value : 0.573337
Relative ecdf deviation area : 0.0140639
Relative ecdf area correlation : -0.00837141
Relative ecdf deviation area p-value : 0.37
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.13003e-14
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.9621



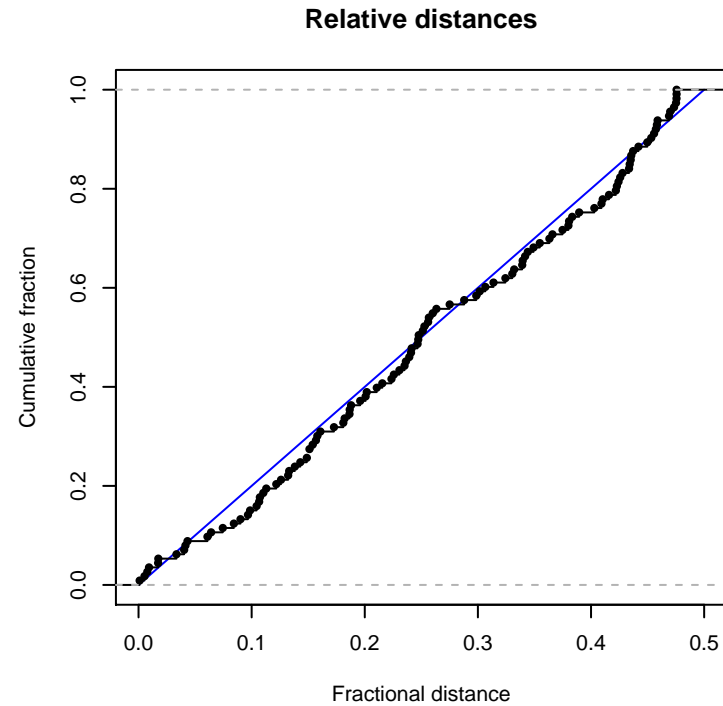
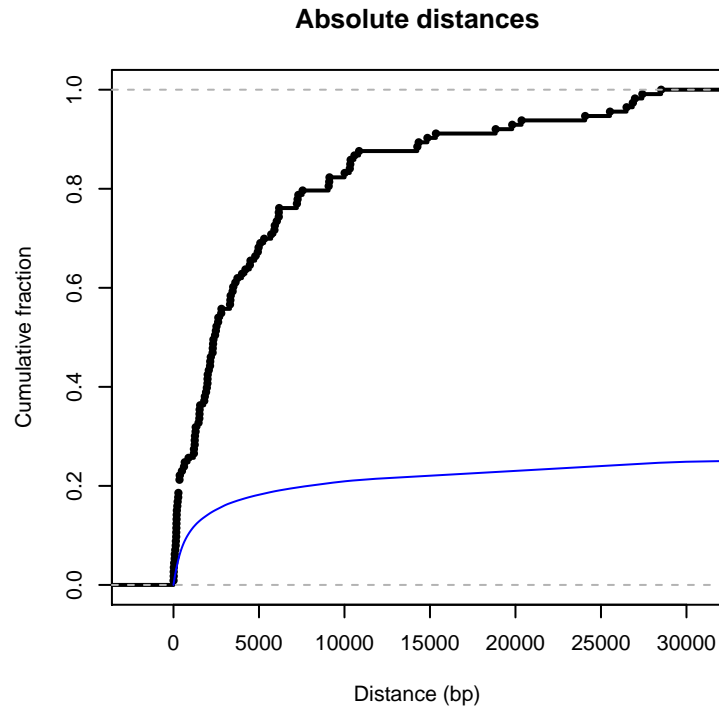
pcontig_044

Query population : 126
Reference population : 309
Relative Ks p-value : 0.521198
Relative ecdf deviation area : 0.00864694
Relative ecdf area correlation : 0.0176234
Relative ecdf deviation area p-value : 0.8
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.26456e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.91234



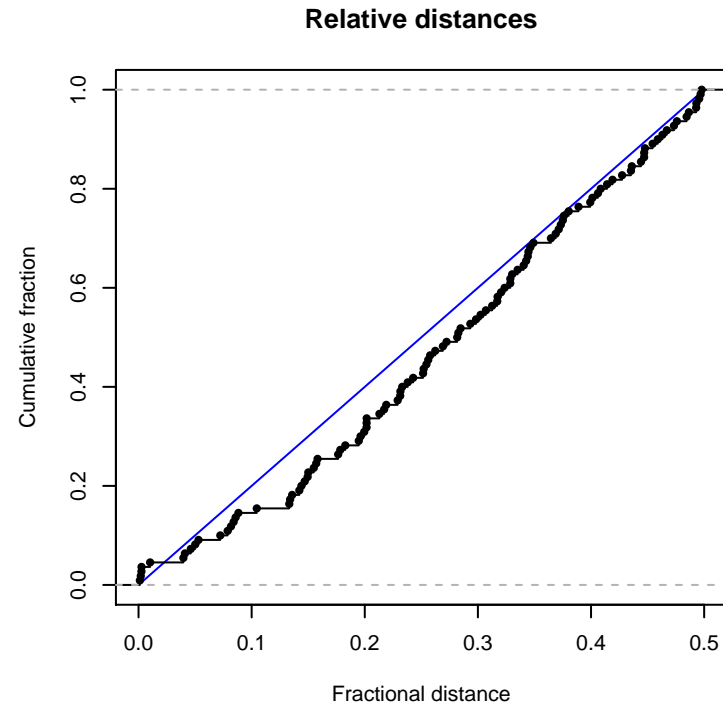
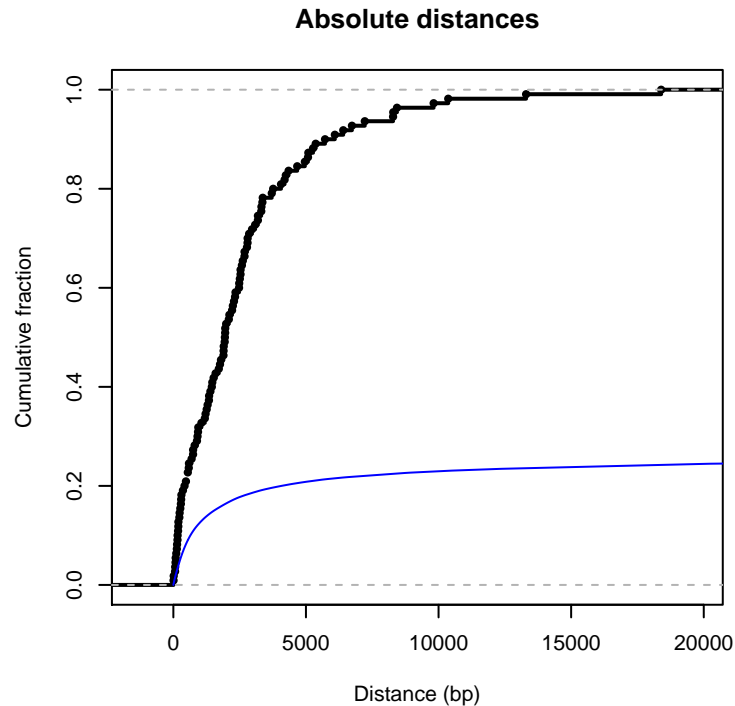
pcontig_045

Query population : 113
Reference population : 381
Relative Ks p-value : 0.798559
Relative ecdf deviation area : 0.0134136
Relative ecdf area correlation : -0.0400423
Relative ecdf deviation area p-value : 0.5
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.57487e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.9834



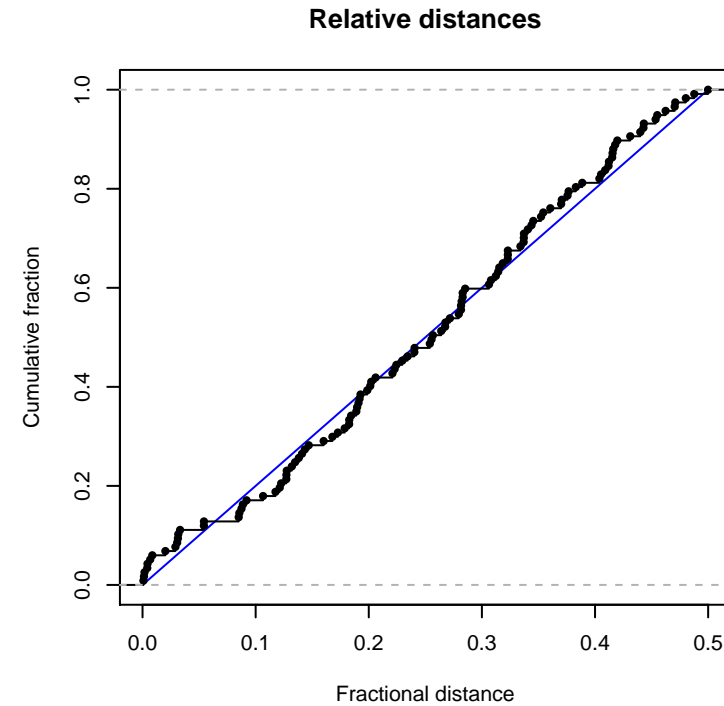
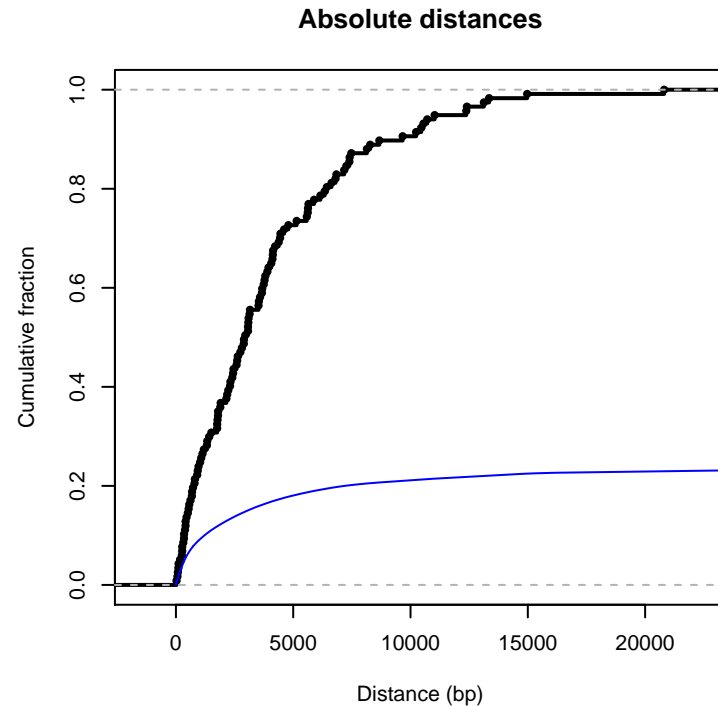
pcontig_046

Query population : 110
Reference population : 404
Relative Ks p-value : 0.126726
Relative ecdf deviation area : 0.0246157
Relative ecdf area correlation : -0.0951431
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 : 4.90719e-14
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.39085



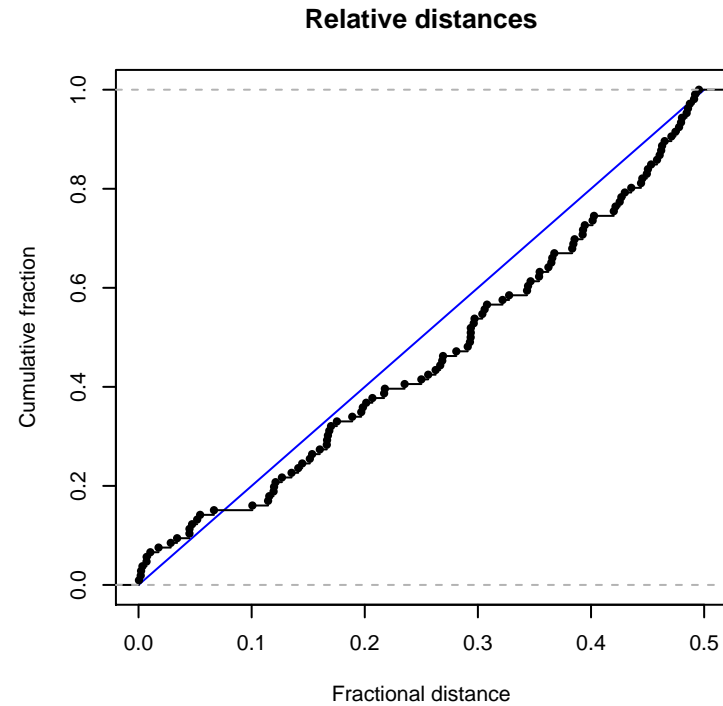
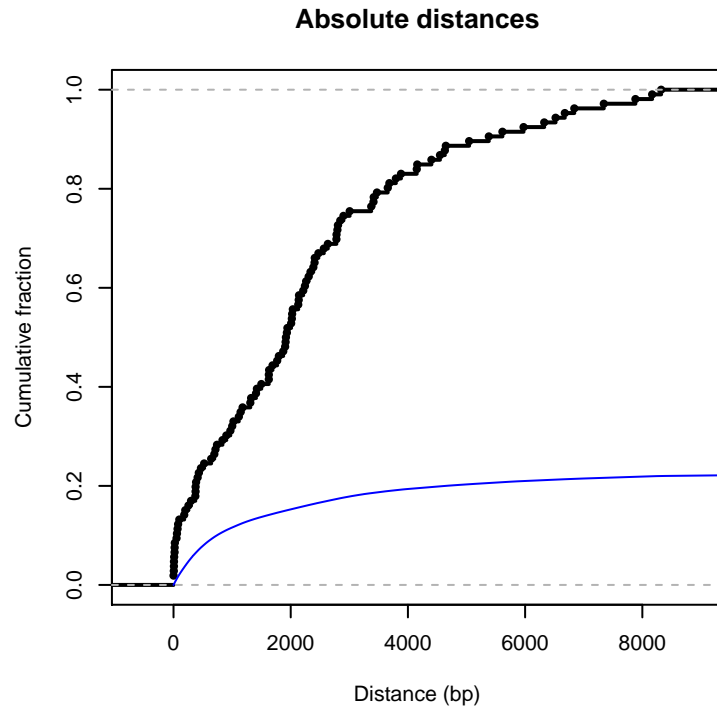
pcontig_047

Query population : 117
Reference population : 313
Relative Ks p-value : 0.826048
Relative ecdf deviation area : 0.0118122
Relative ecdf area correlation : 0.00619095
Relative ecdf deviation area p-value : 0.61
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.1263e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.79401



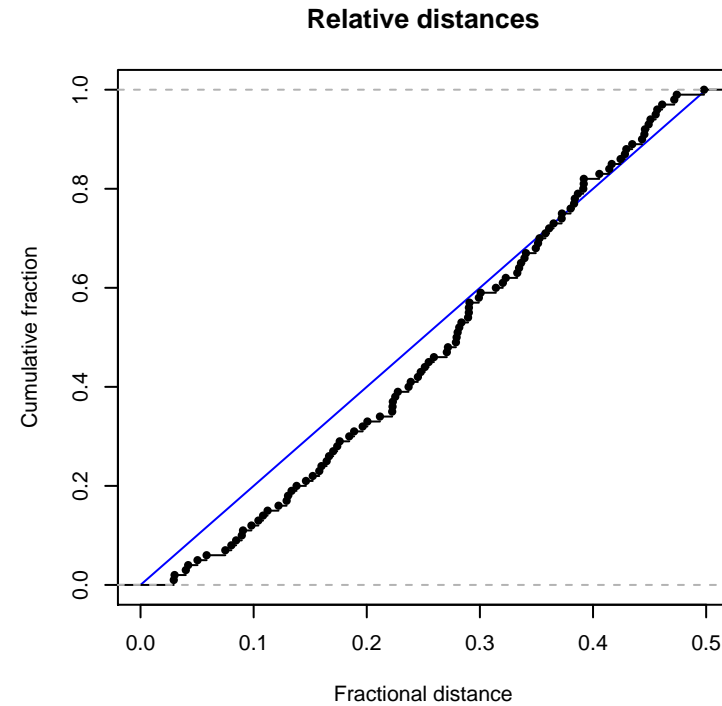
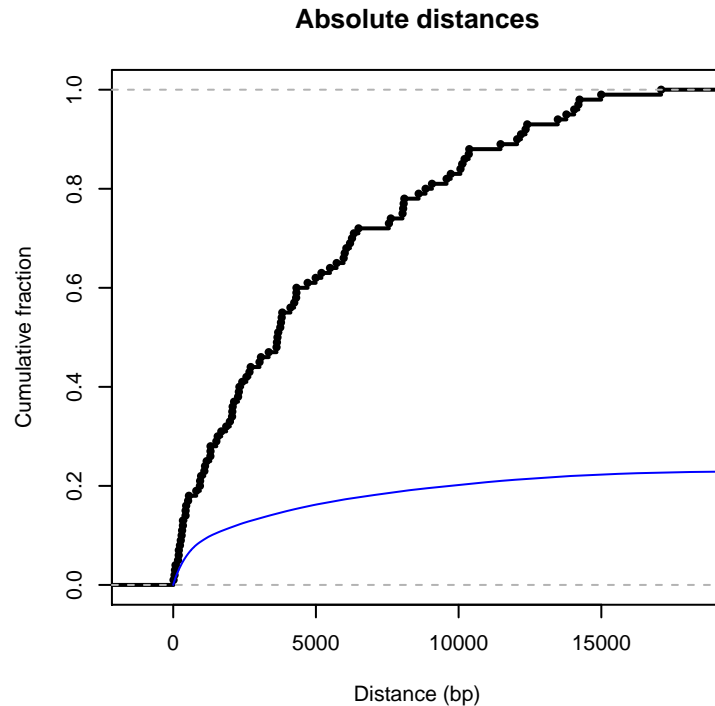
pcontig_048

Query population : 106
Reference population : 382
Relative Ks p-value : 0.151336
Relative ecdf deviation area : 0.0278964
Relative ecdf area correlation : -0.0964187
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 : 5.38236e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.27314



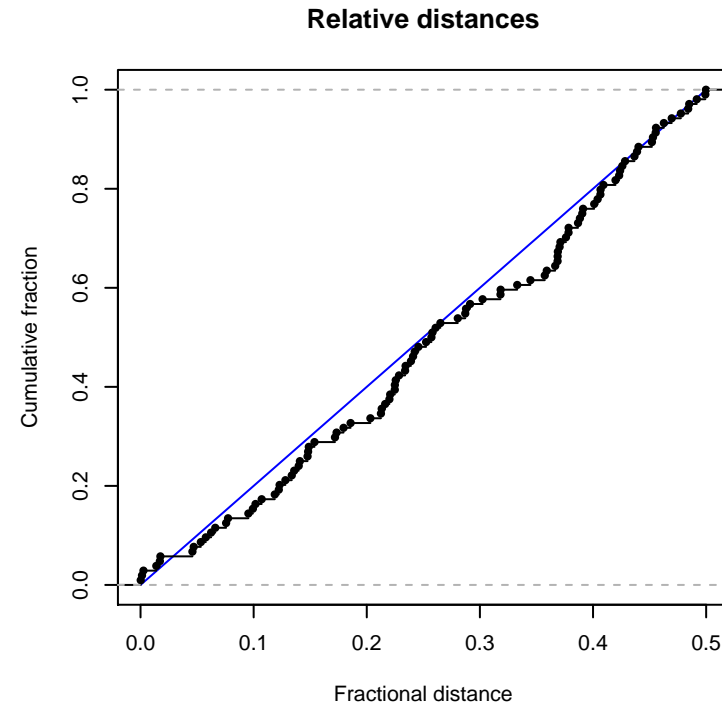
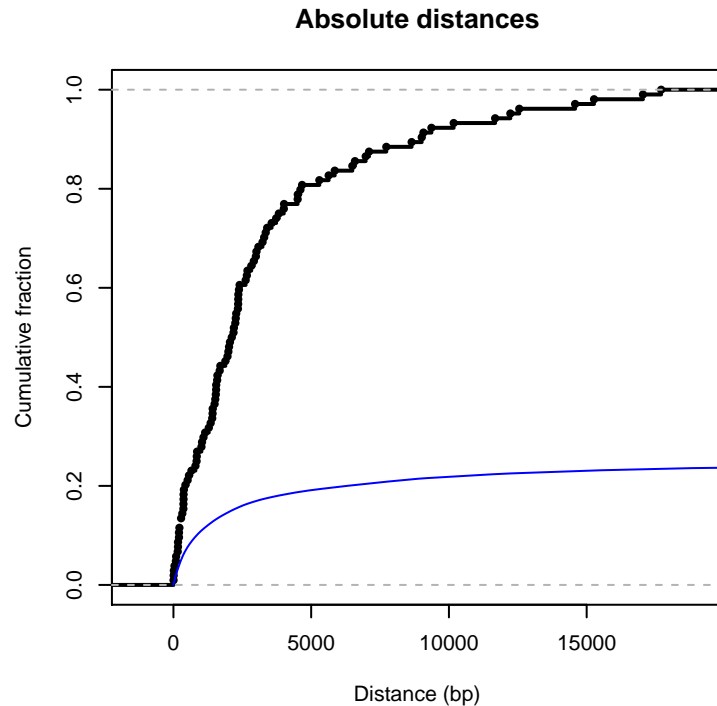
pcontig_049

Query population : 100
Reference population : 336
Relative Ks p-value : 0.221135
Relative ecdf deviation area : 0.0250666
Relative ecdf area correlation : -0.0798427
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 : 2.7935e-10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.62904



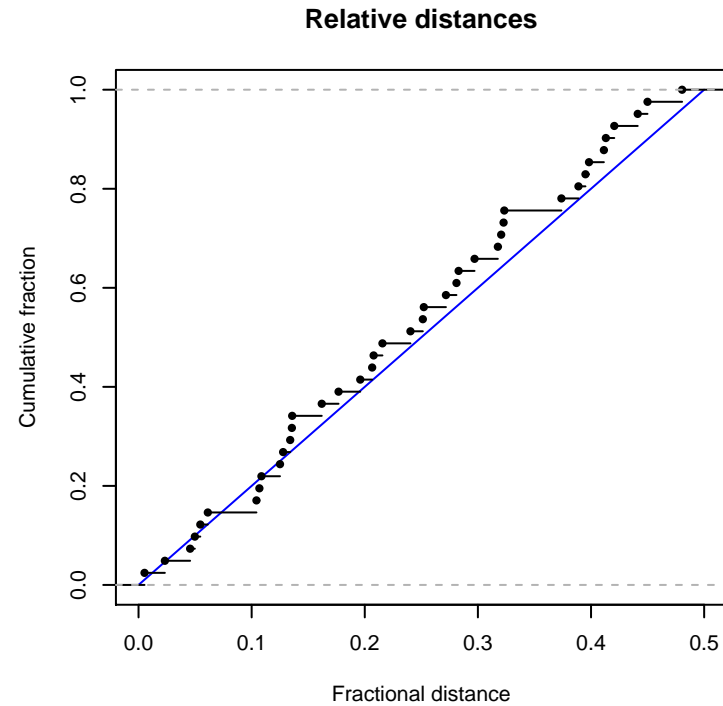
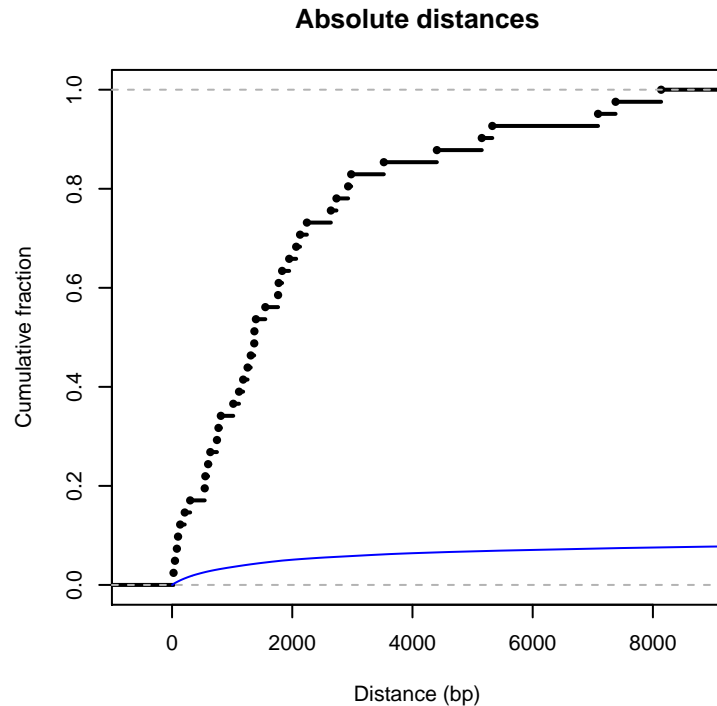
pcontig_050

Query population : 104
Reference population : 417
Relative Ks p-value : 0.256449
Relative ecdf deviation area : 0.0170305
Relative ecdf area correlation : -0.0671354
Relative ecdf deviation area p-value : 0.3
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.63536e-13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.77252



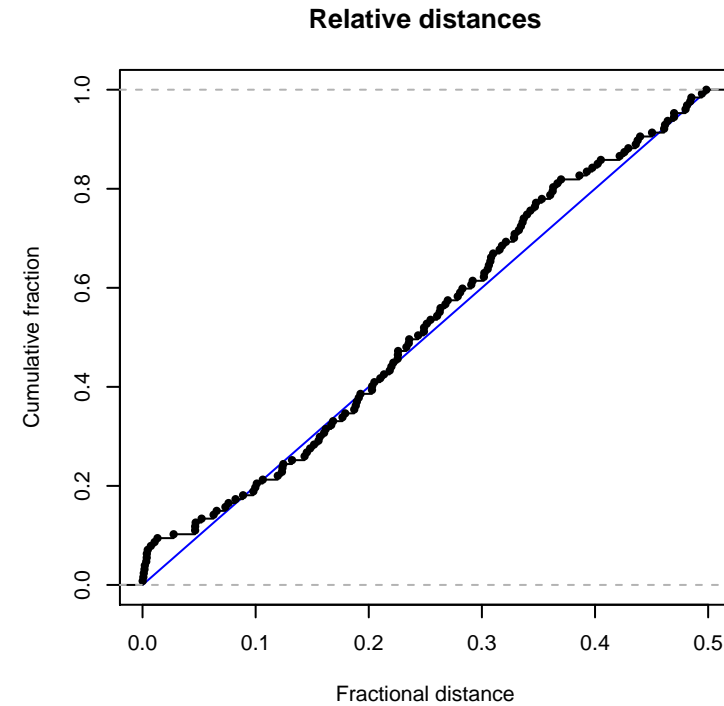
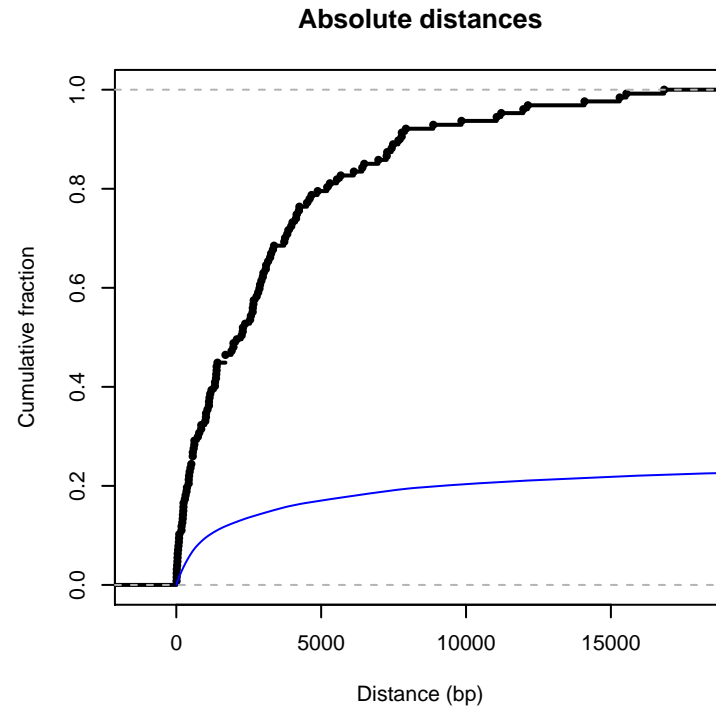
pcontig_051

Query population : 41
Reference population : 134
Relative Ks p-value : 0.669208
Relative ecdf deviation area : 0.0177841
Relative ecdf area correlation : 0.0520569
Relative ecdf deviation area p-value : 0.75
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 13.0371



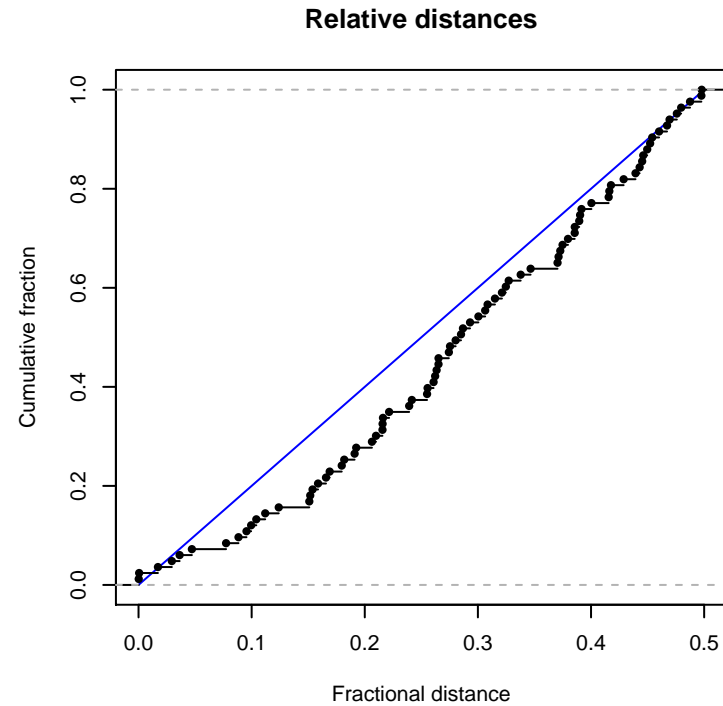
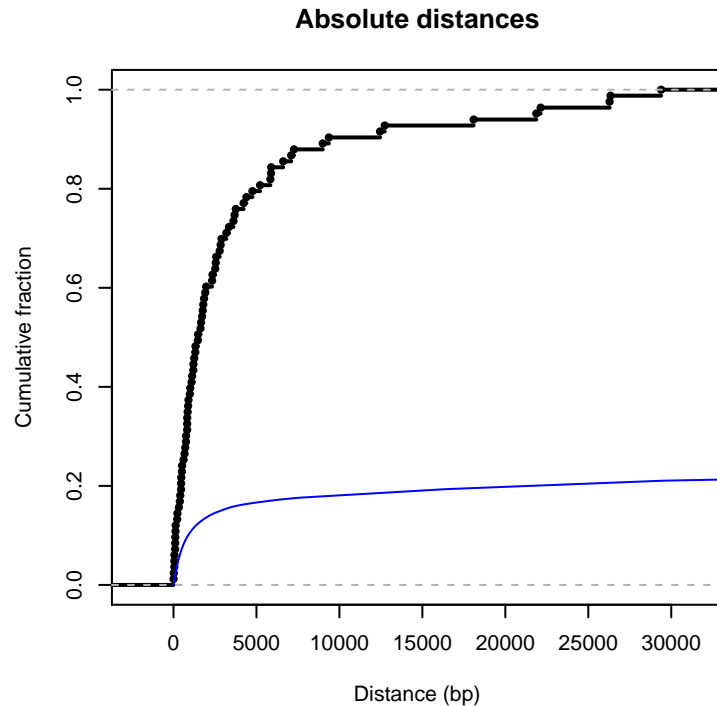
pcontig_052

Query population : 127
Reference population : 303
Relative Ks p-value : 0.407544
Relative ecdf deviation area : 0.0120636
Relative ecdf area correlation : 0.0360378
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 : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.27748



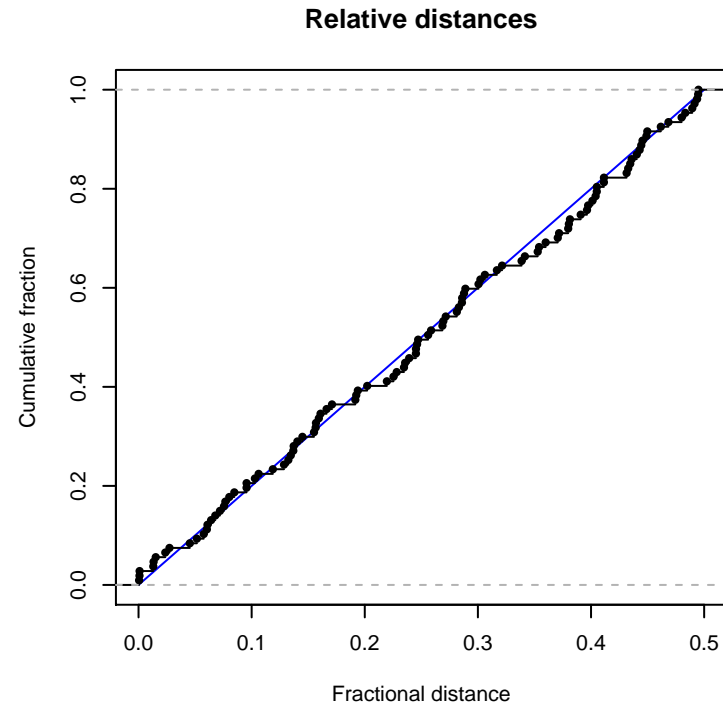
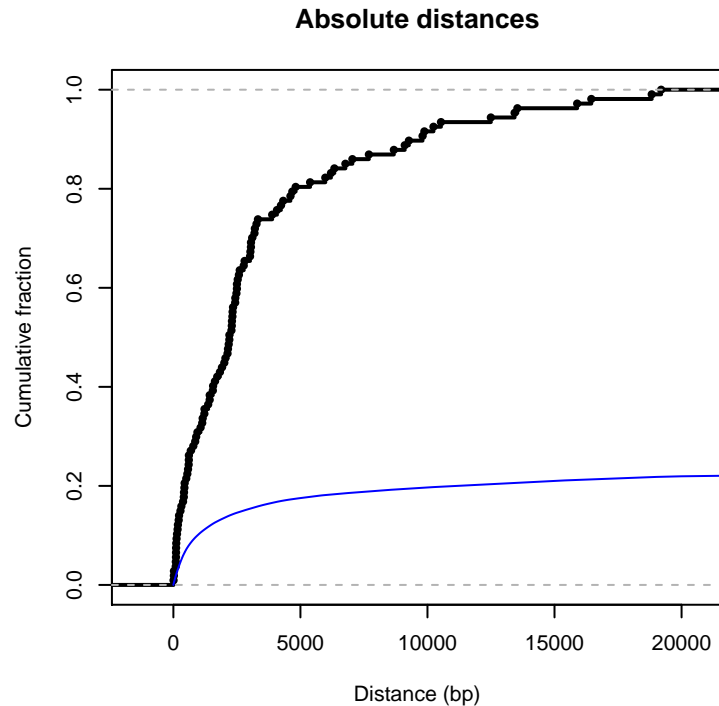
pcontig_054

Query population : 83
Reference population : 378
Relative Ks p-value : 0.0541423
Relative ecdf deviation area : 0.0340531
Relative ecdf area correlation : -0.135341
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 7.78377e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.94935



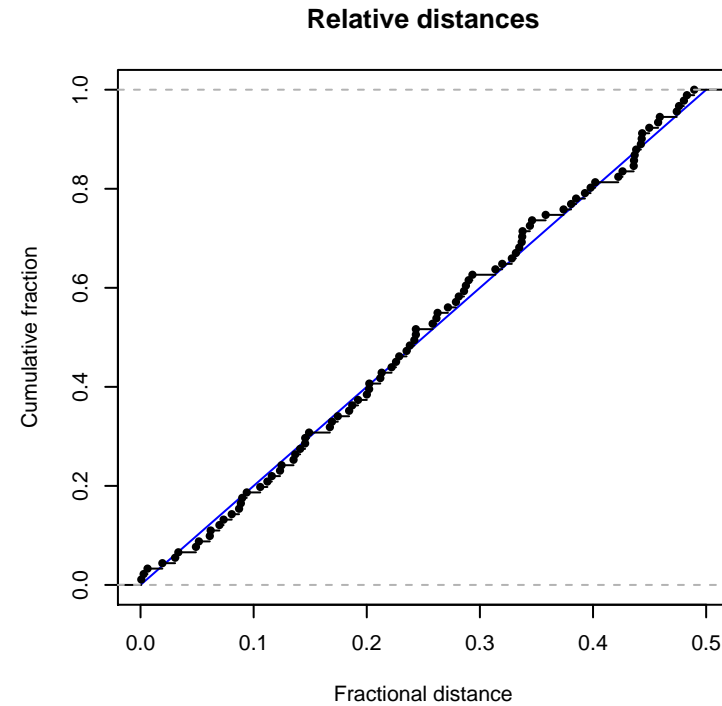
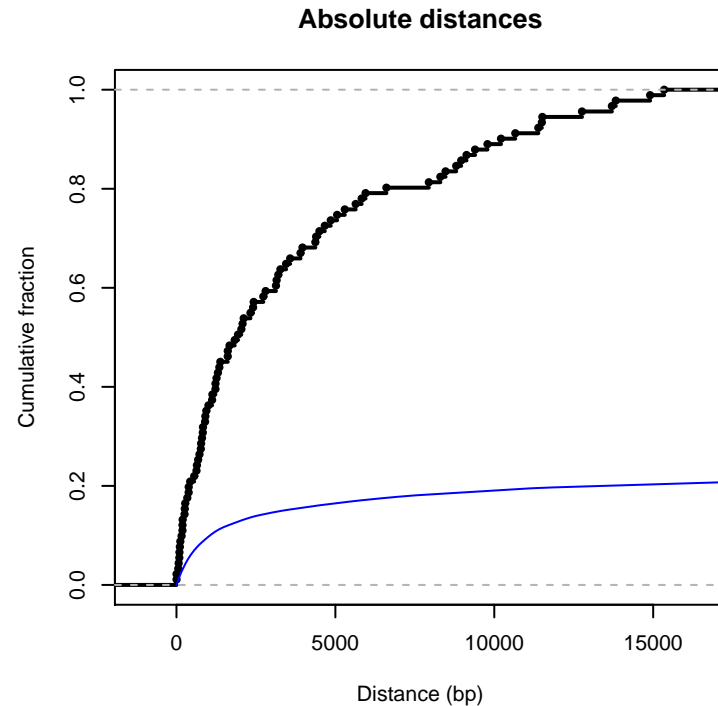
pcontig_055

Query population : 107
Reference population : 375
Relative Ks p-value : 0.954946
Relative ecdf deviation area : 0.0081203
Relative ecdf area correlation : -0.018392
Relative ecdf deviation area p-value : 0.9
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 6.24859e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.95492



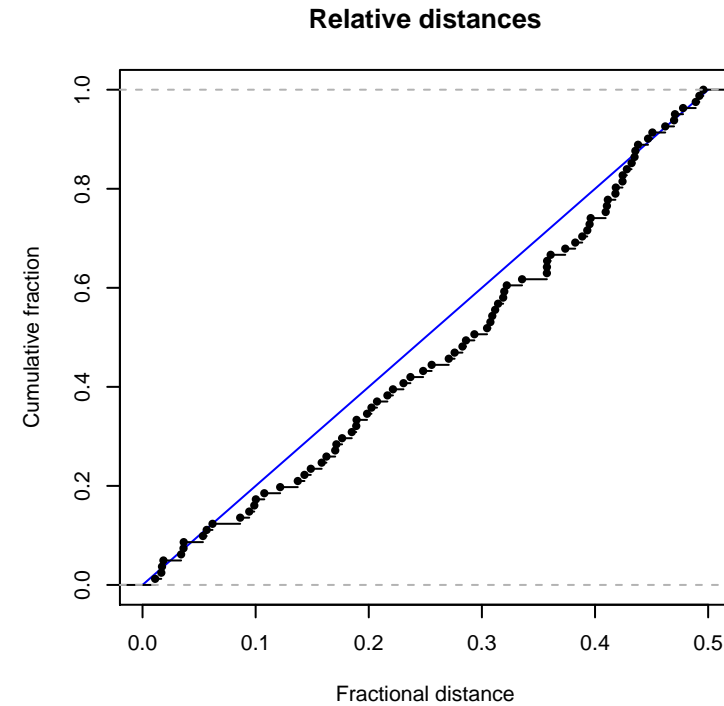
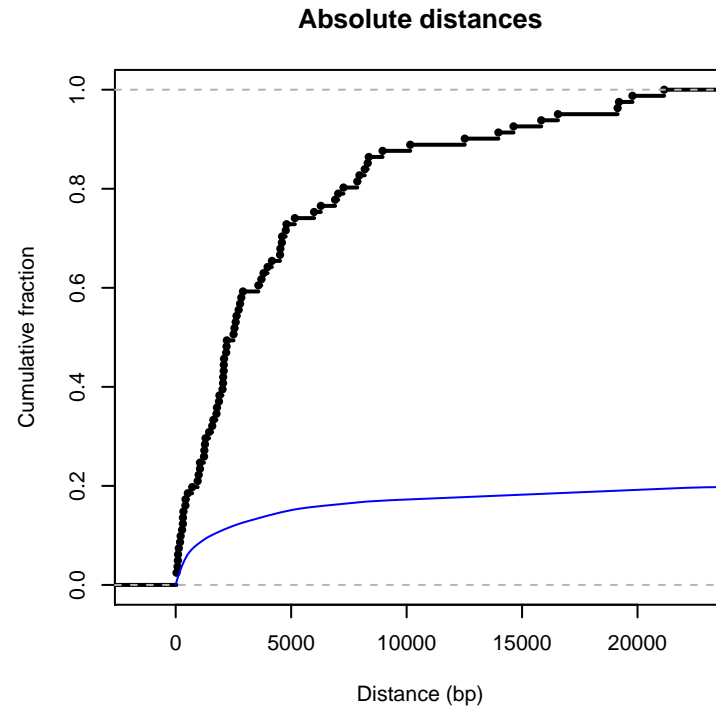
pcontig_056

Query population : 91
Reference population : 329
Relative Ks p-value : 0.991315
Relative ecdf deviation area : 0.00765876
Relative ecdf area correlation : -0.00238409
Relative ecdf deviation area p-value : 0.94
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.74065e-13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.31409



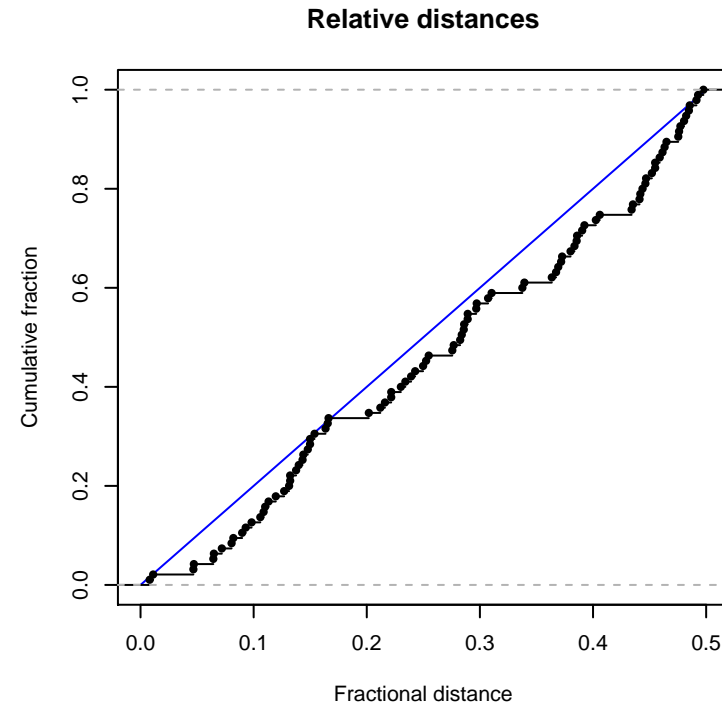
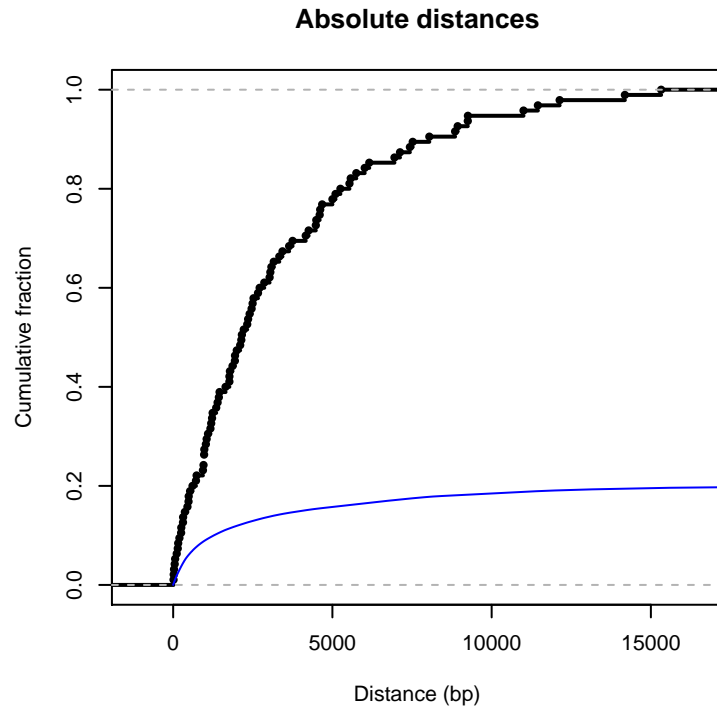
pcontig_057

Query population : 81
Reference population : 305
Relative Ks p-value : 0.334083
Relative ecdf deviation area : 0.024079
Relative ecdf area correlation : -0.0940858
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 : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.44785e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.53509



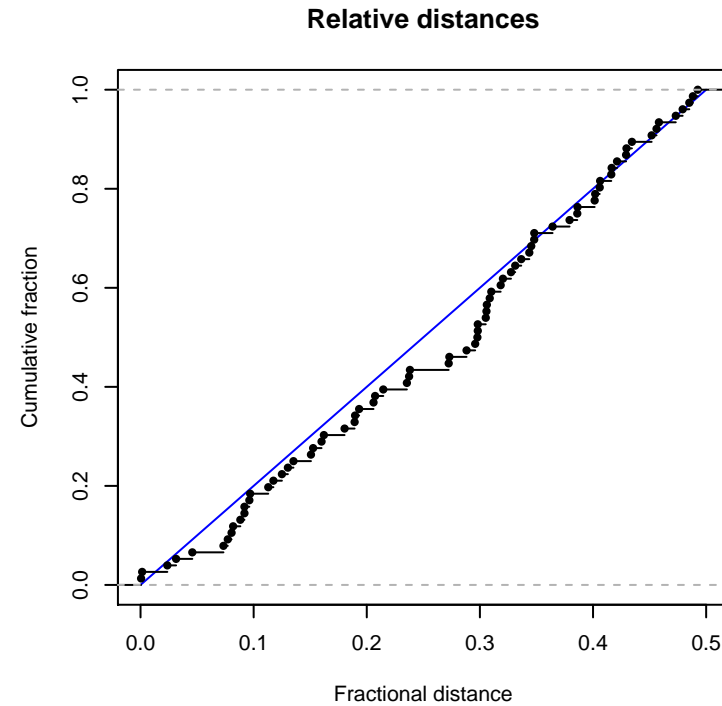
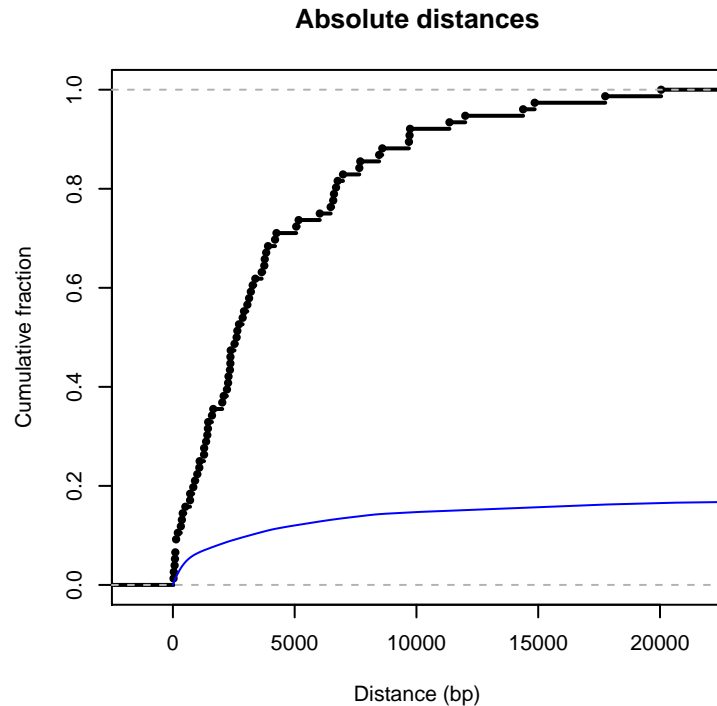
pcontig_058

Query population : 95
Reference population : 308
Relative Ks p-value : 0.114973
Relative ecdf deviation area : 0.0295229
Relative ecdf area correlation : -0.11779
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.33702e-13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.01881



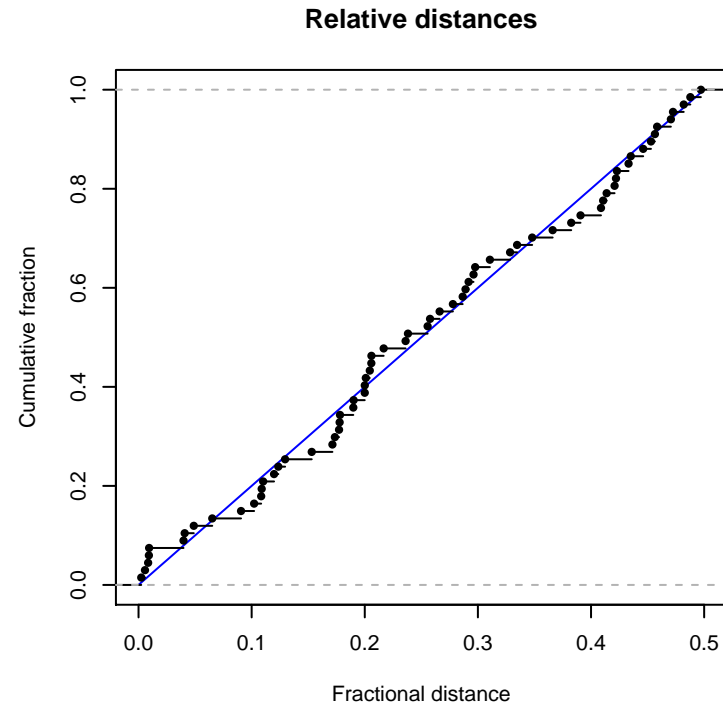
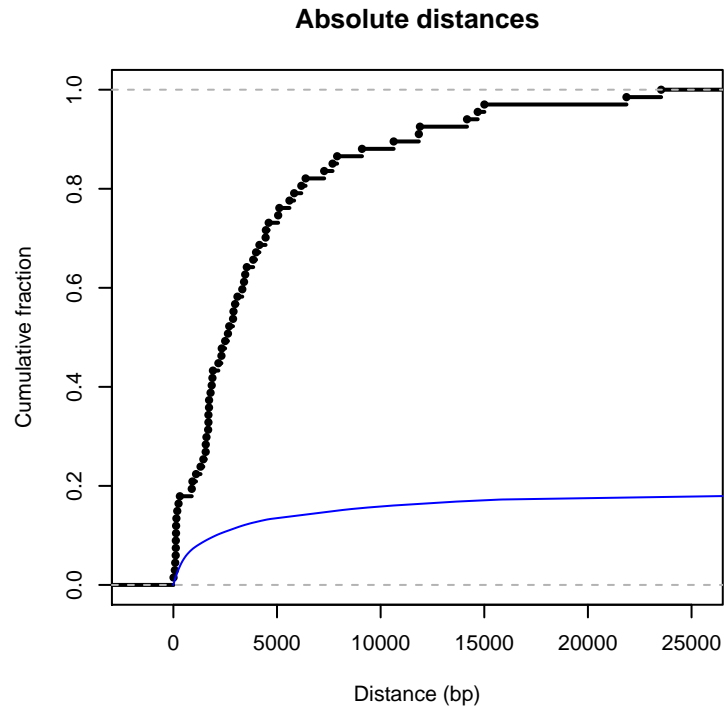
pcontig_059

Query population : 76
Reference population : 235
Relative Ks p-value : 0.222534
Relative ecdf deviation area : 0.0180393
Relative ecdf area correlation : -0.0662943
Relative ecdf deviation area p-value : 0.37
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 : 5.49753e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.10917



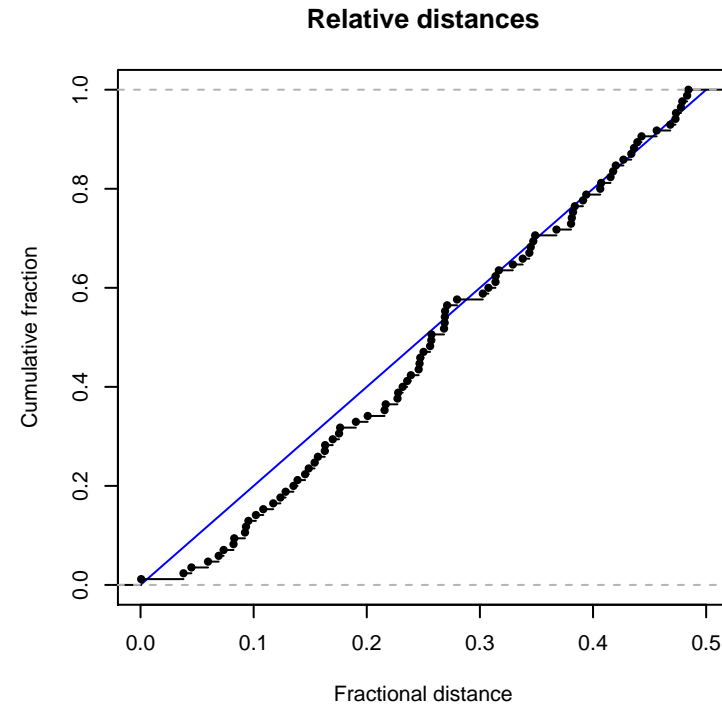
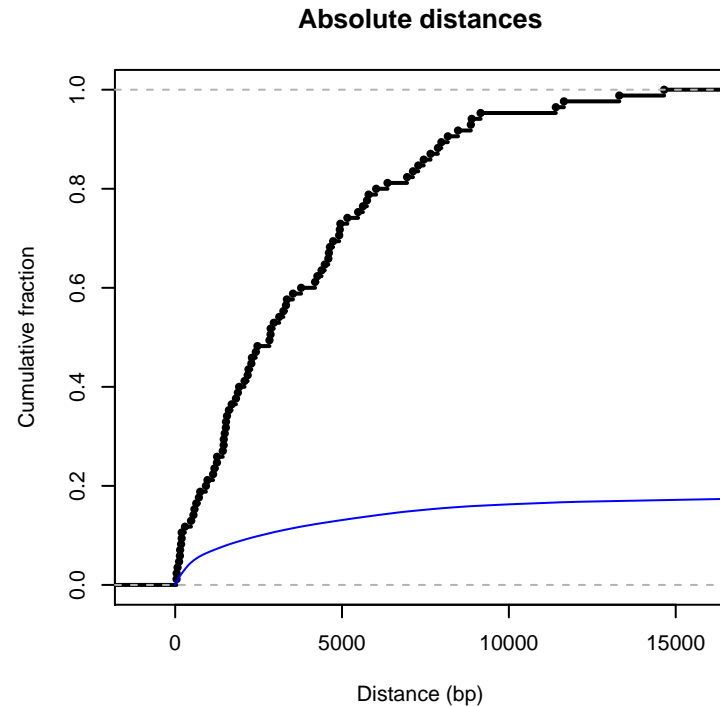
pcontig_060

Query population : 67
Reference population : 261
Relative Ks p-value : 0.828559
Relative ecdf deviation area : 0.0115415
Relative ecdf area correlation : -0.0156804
Relative ecdf deviation area p-value : 0.93
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.07921e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.40236



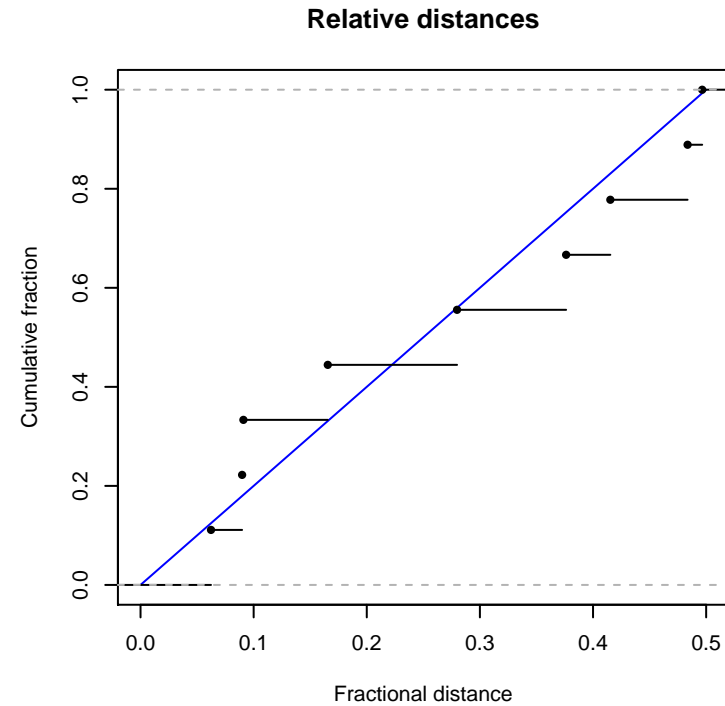
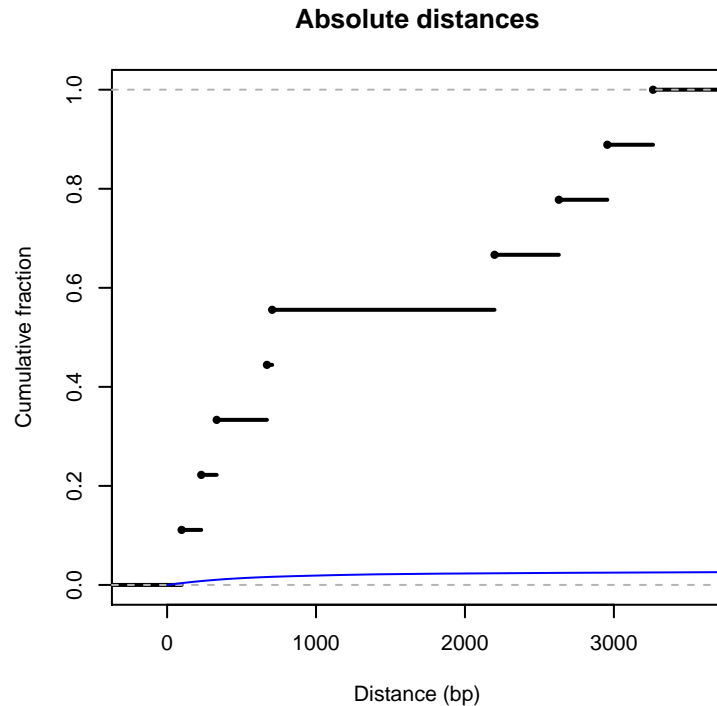
pcontig_062

Query population : 85
Reference population : 249
Relative Ks p-value : 0.417677
Relative ecdf deviation area : 0.0189957
Relative ecdf area correlation : -0.0700046
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 : 9.03287e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.97235



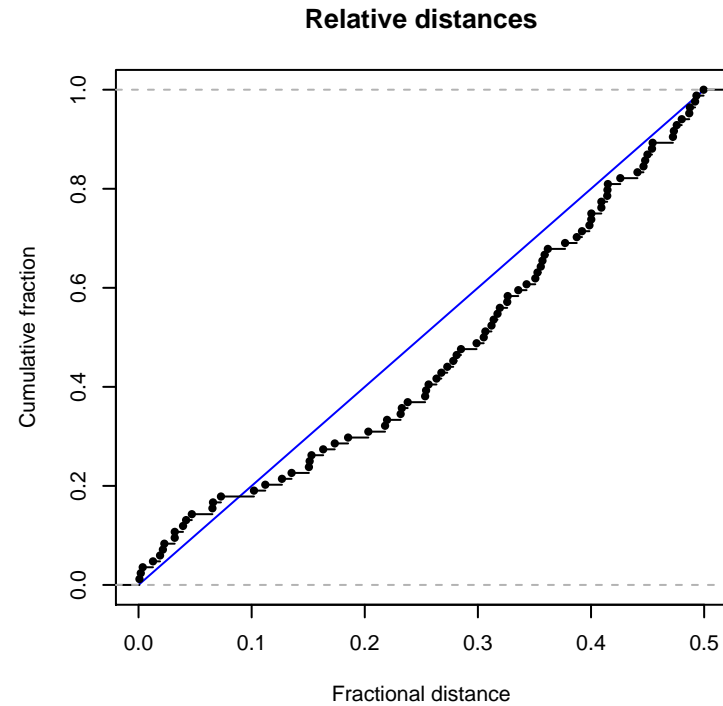
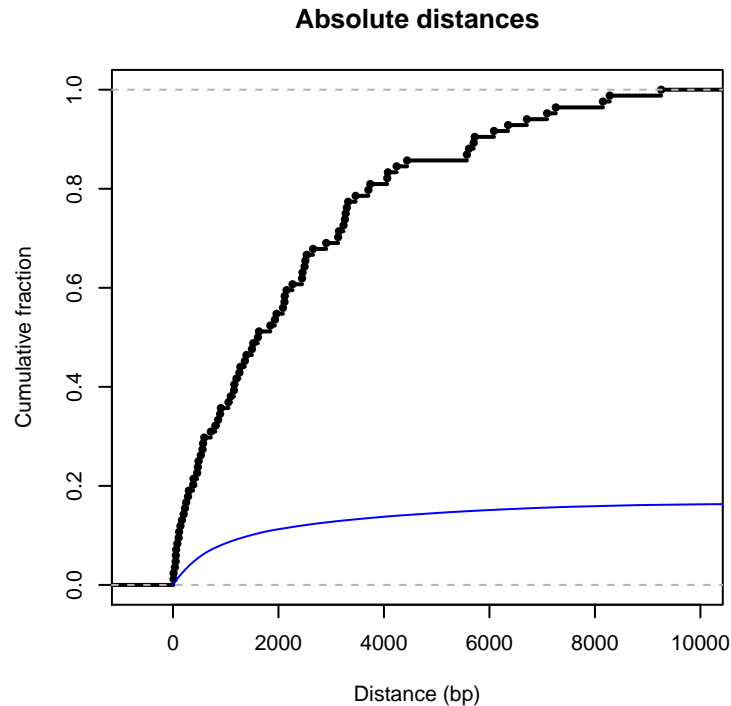
pcontig_063

Query population : 9
Reference population : 69
Relative Ks p-value : 0.813014
Relative ecdf deviation area : 0.0406735
Relative ecdf area correlation : -0.0933285
Relative ecdf deviation area p-value : 0.64
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.39824e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 33.3874



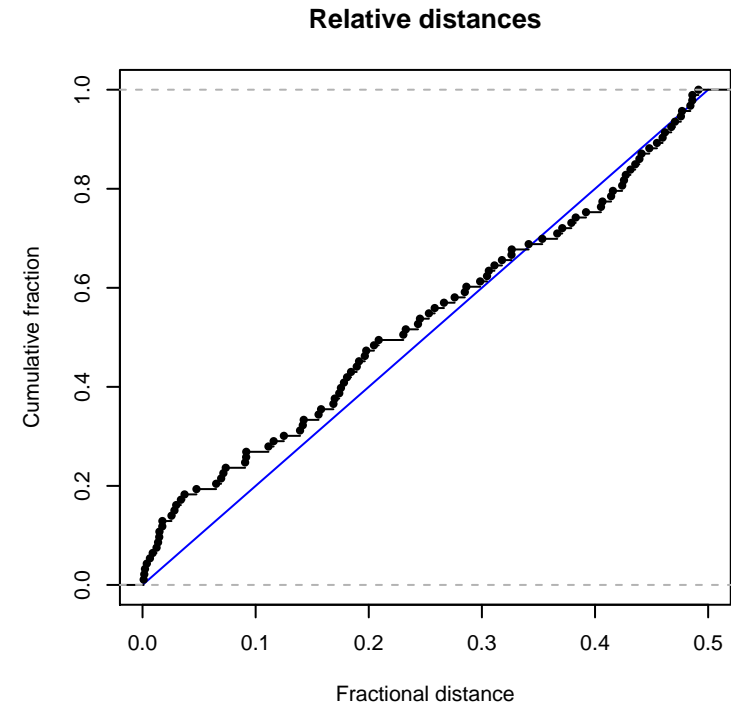
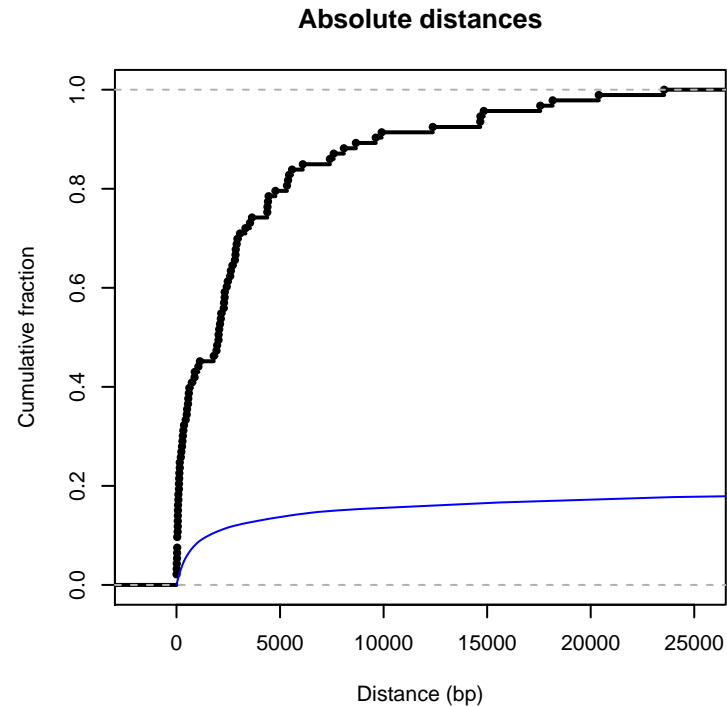
pcontig_064

Query population : 84
Reference population : 273
Relative Ks p-value : 0.0751121
Relative ecdf deviation area : 0.0309427
Relative ecdf area correlation : -0.106036
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 : 1.15719e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.63007



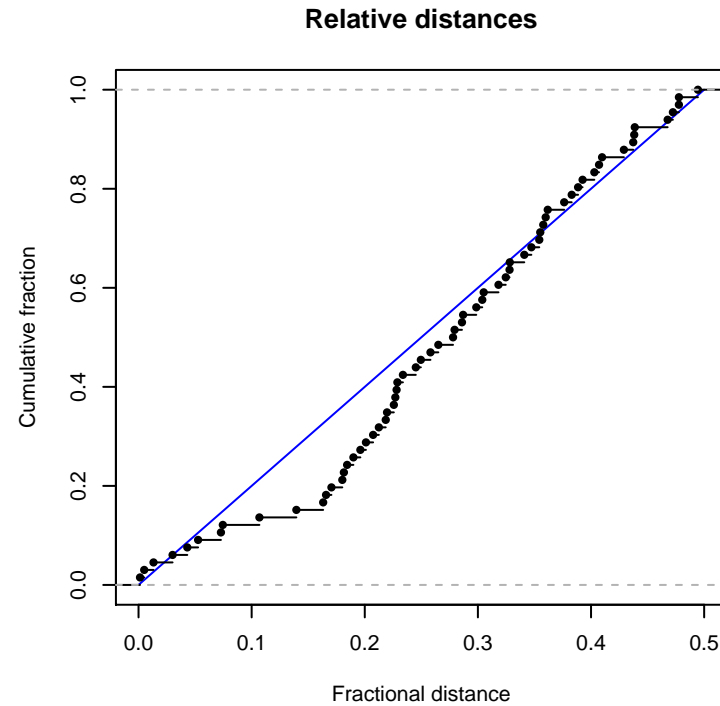
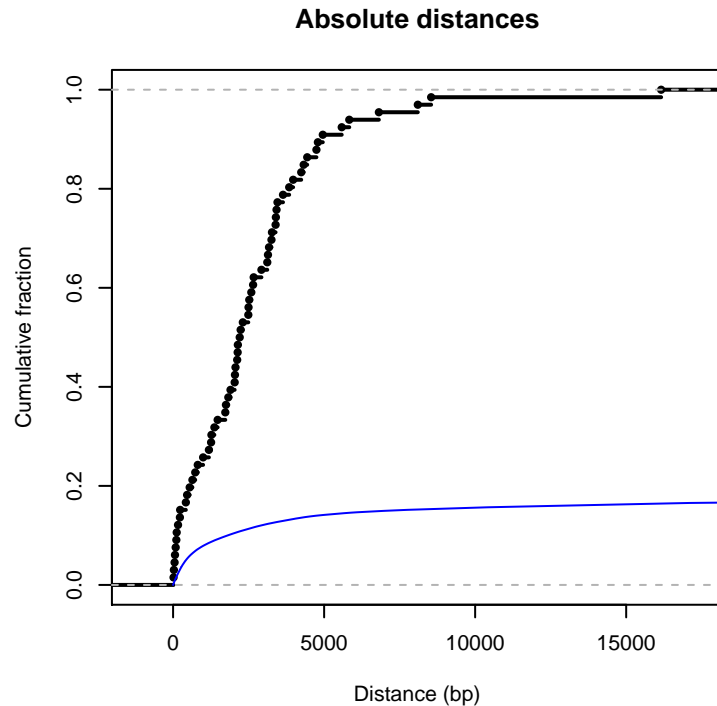
pcontig_065

Query population : 93
Reference population : 320
Relative Ks p-value : 0.208111
Relative ecdf deviation area : 0.0203414
Relative ecdf area correlation : 0.0510812
Relative ecdf deviation area p-value : 0.25
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.50085



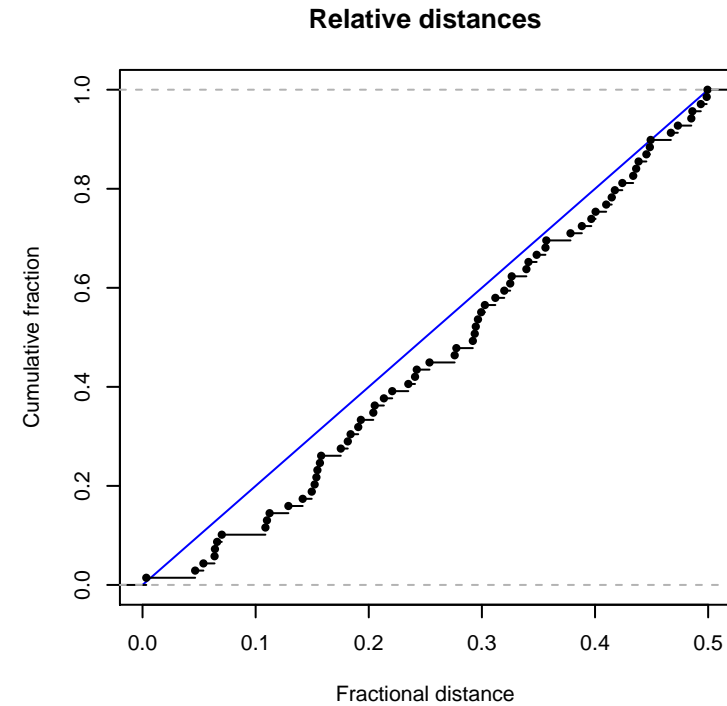
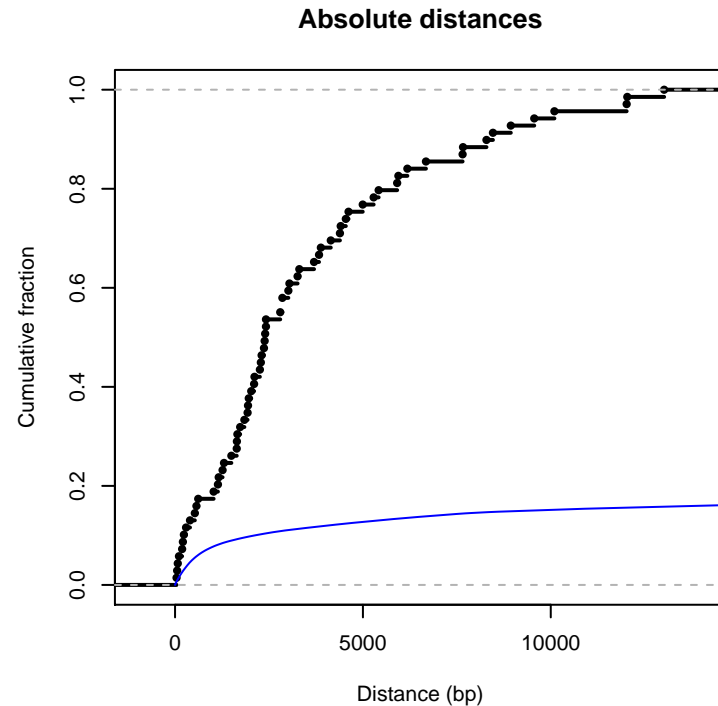
pcontig_066

Query population : 66
Reference population : 263
Relative Ks p-value : 0.0308722
Relative ecdf deviation area : 0.0266926
Relative ecdf area correlation : -0.0847284
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 : 2.22045e-16
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.3146



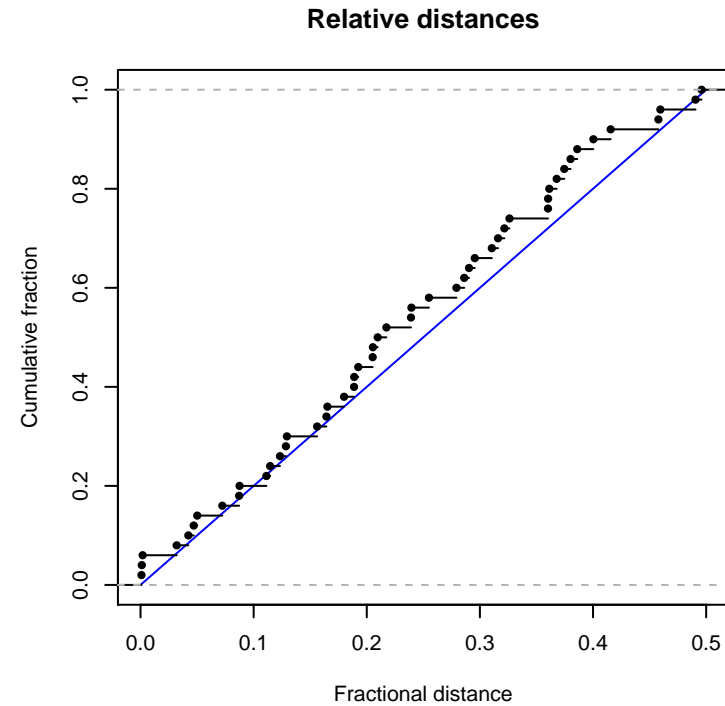
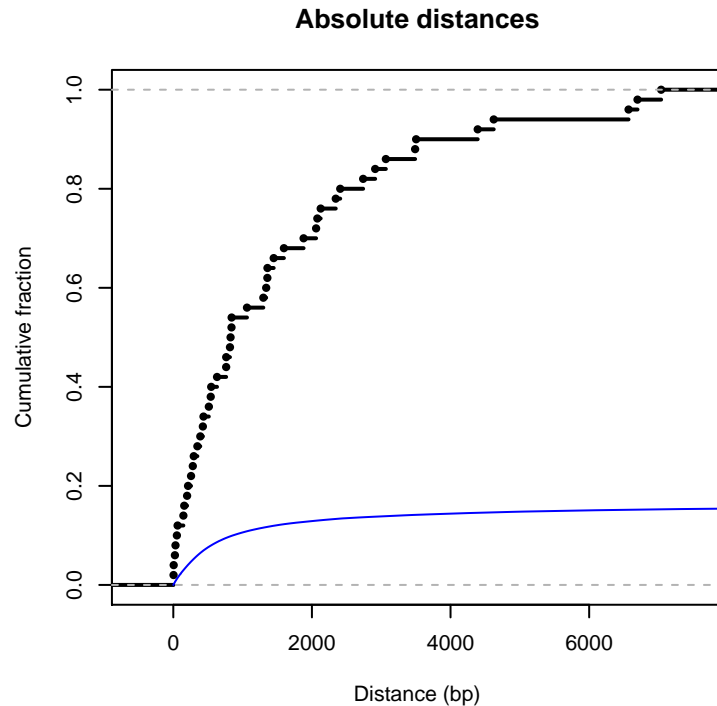
pcontig_067

Query population : 69
Reference population : 294
Relative Ks p-value : 0.211058
Relative ecdf deviation area : 0.0299283
Relative ecdf area correlation : -0.11741
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 : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.24123e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.19494



pcontig_068

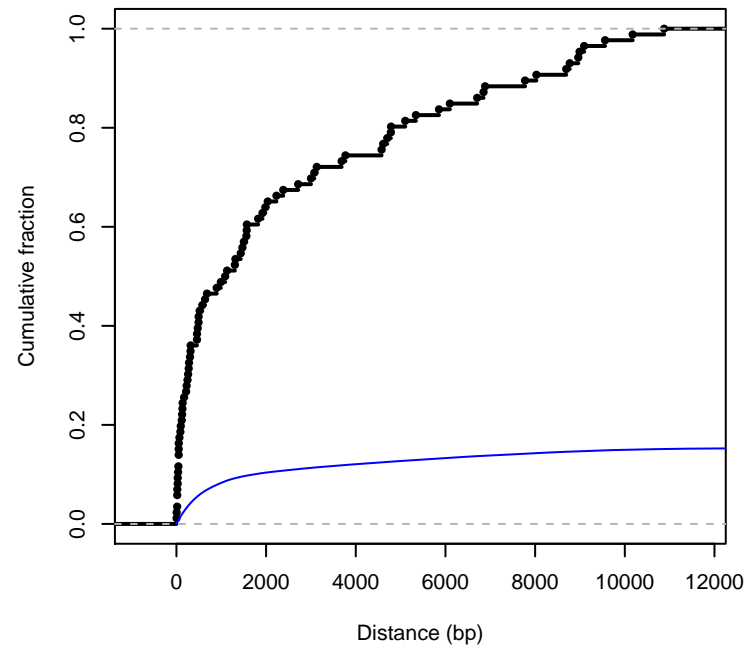
Query population : 50
Reference population : 406
Relative Ks p-value : 0.568877
Relative ecdf deviation area : 0.0187795
Relative ecdf area correlation : 0.0742473
Relative ecdf deviation area p-value : 0.55
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.96624



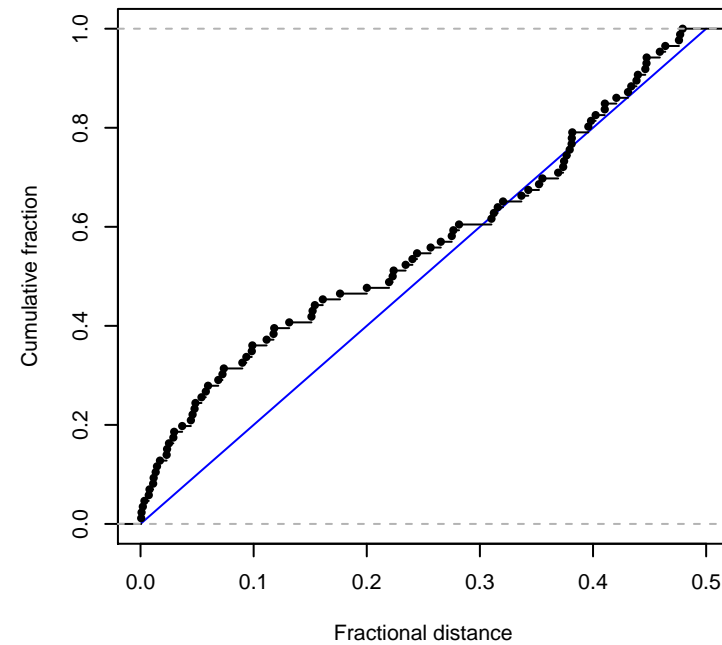
pcontig_069

Query population : 86
Reference population : 287
Relative Ks p-value : 0.014782
Relative ecdf deviation area : 0.0311137
Relative ecdf area correlation : 0.117898
Relative ecdf deviation area p-value : 0.06000000000000001
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.64183

Absolute distances

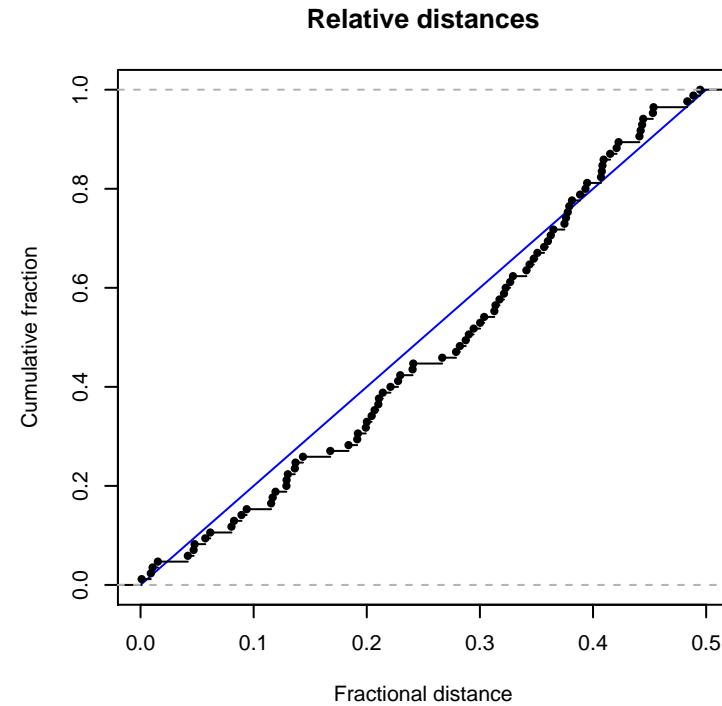
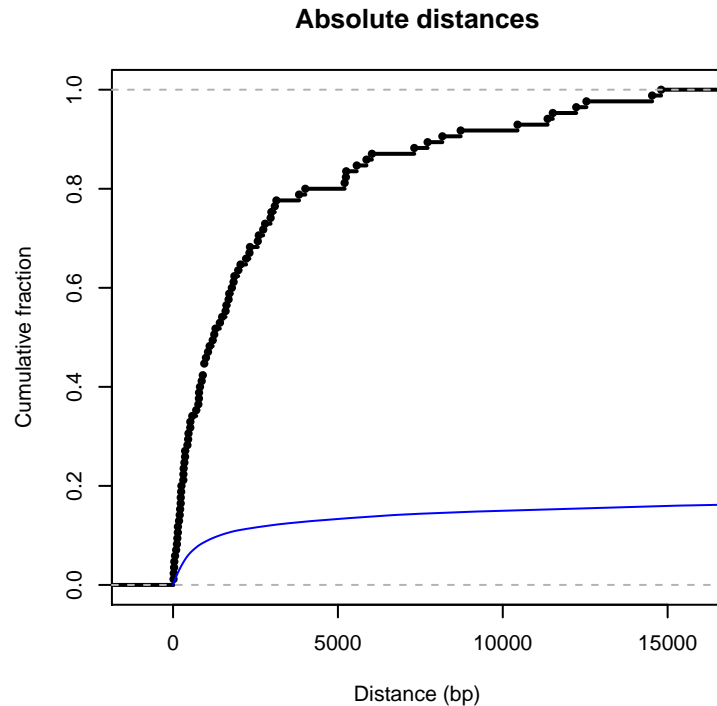


Relative distances



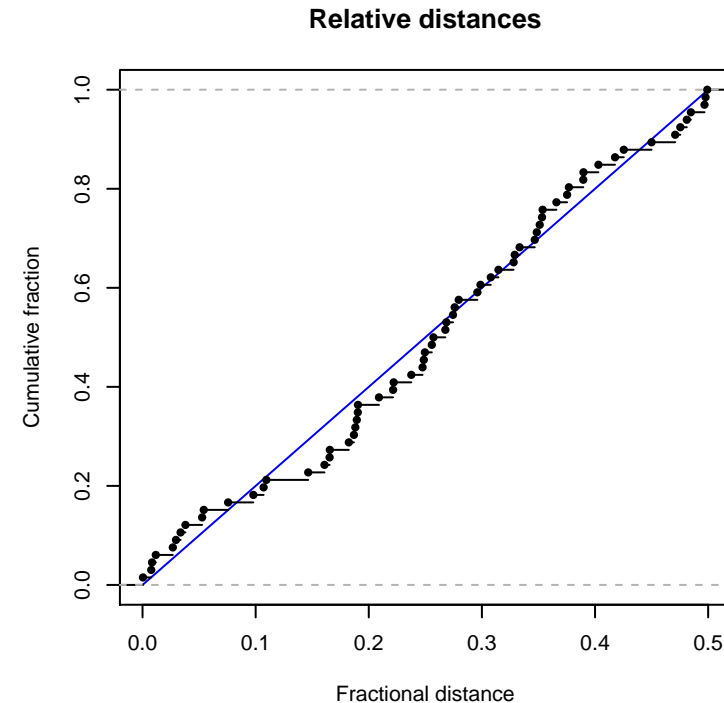
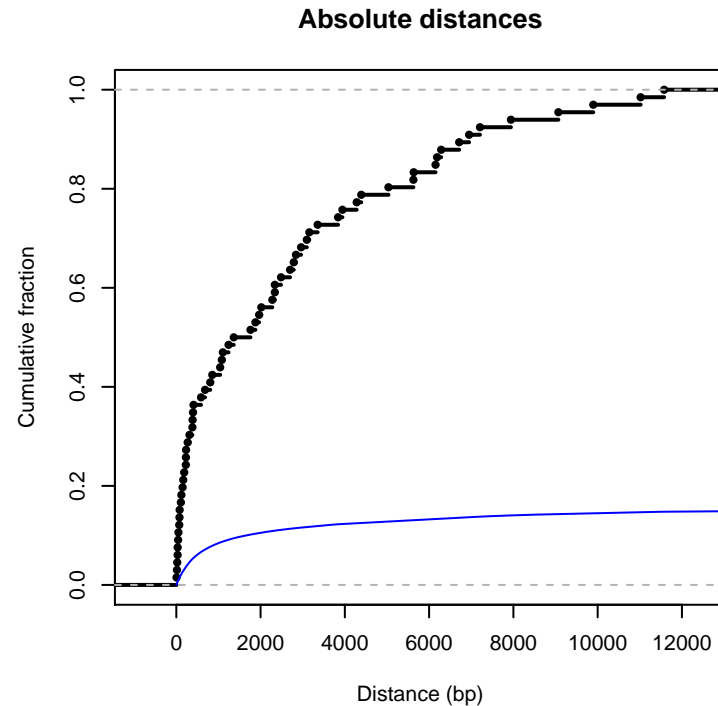
pcontig_070

Query population : 85
Reference population : 332
Relative Ks p-value : 0.331874
Relative ecdf deviation area : 0.0223474
Relative ecdf area correlation : -0.0640984
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 : 3.10862e-14
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.53967



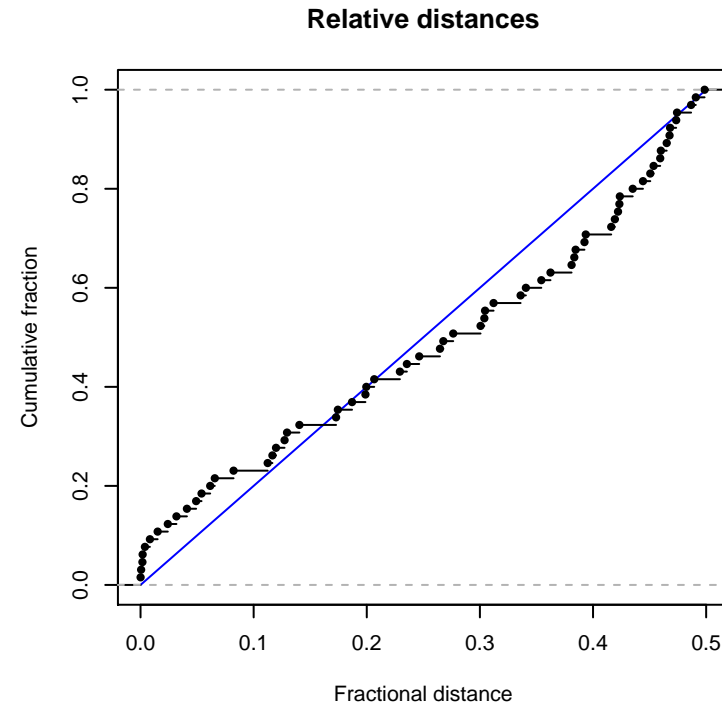
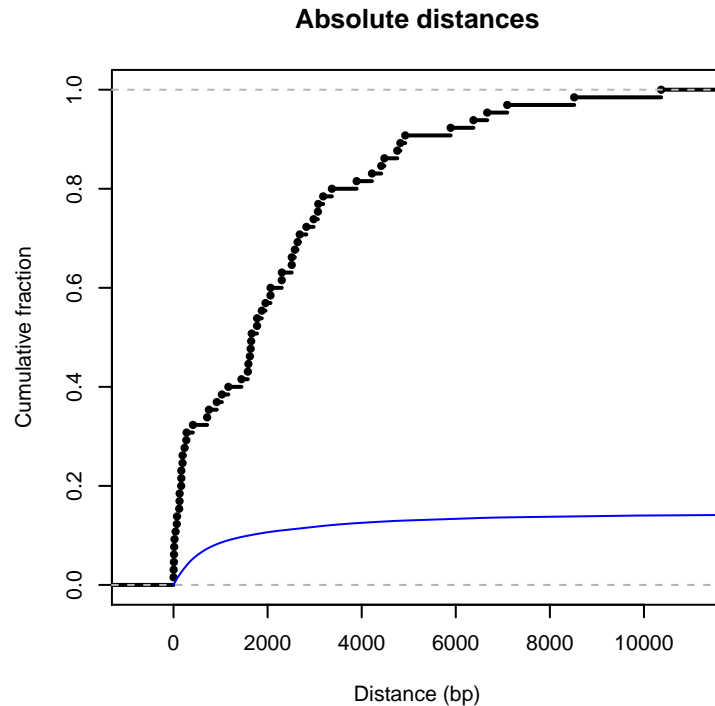
pcontig_072

Query population : 66
Reference population : 354
Relative Ks p-value : 0.566414
Relative ecdf deviation area : 0.0159834
Relative ecdf area correlation : -0.023877
Relative ecdf deviation area p-value : 0.55
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.1432



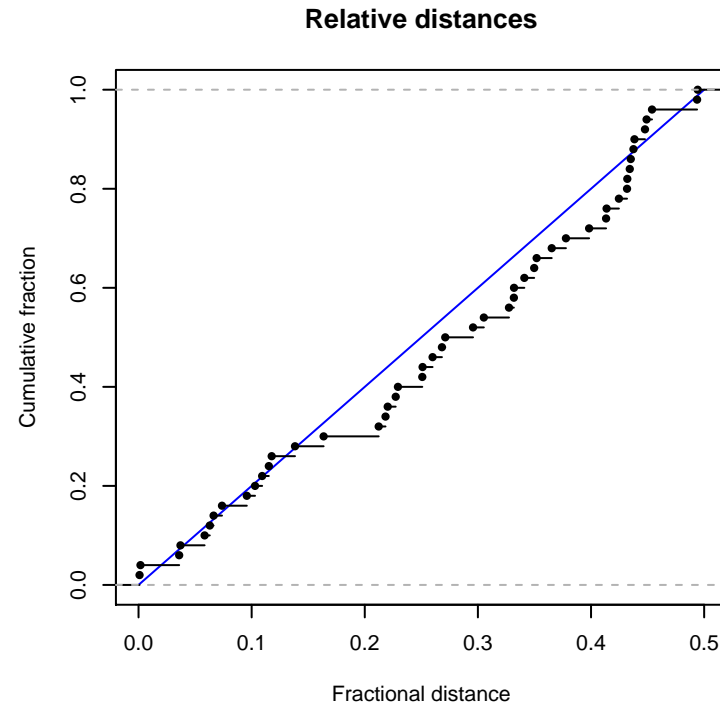
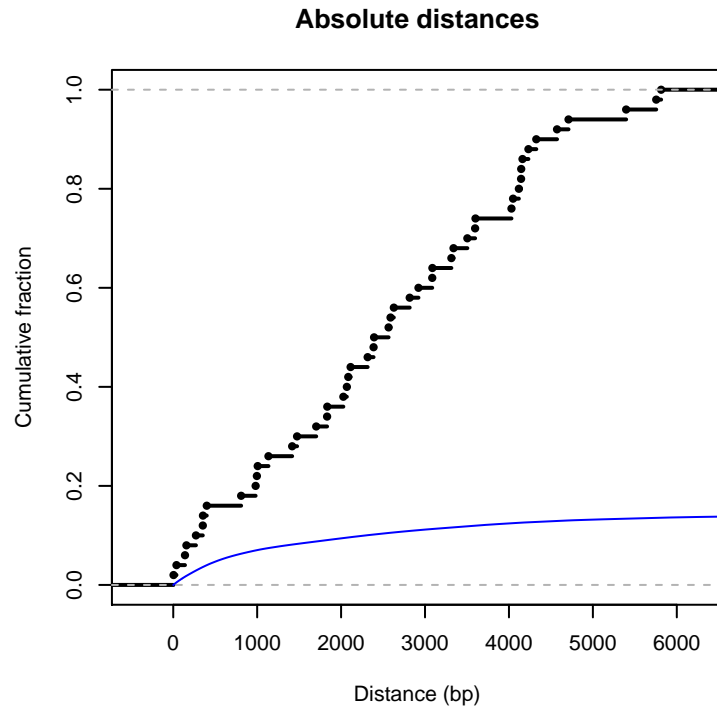
pcontig_073

Query population : 65
Reference population : 322
Relative Ks p-value : 0.194599
Relative ecdf deviation area : 0.0278051
Relative ecdf area correlation : -0.0478621
Relative ecdf deviation area p-value : 0.14
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.44089e-16
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.44511



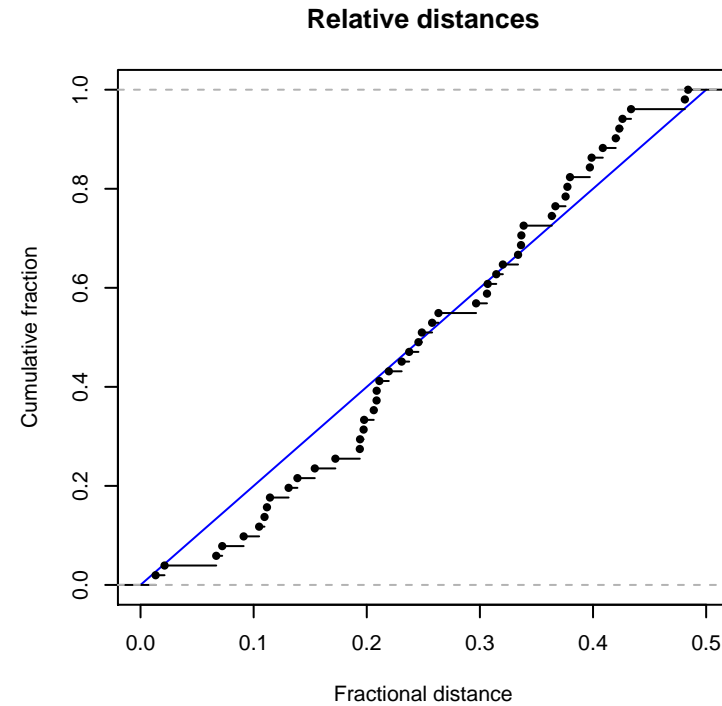
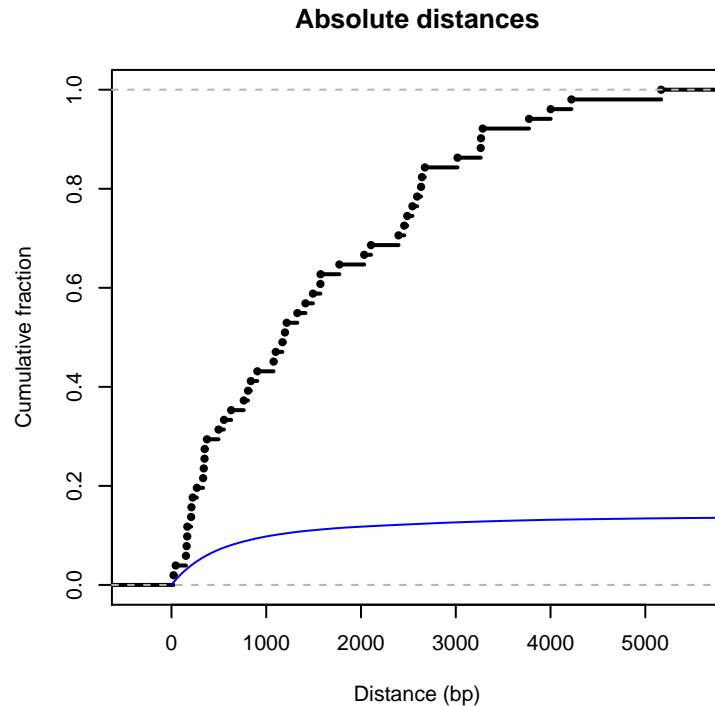
pcontig_074

Query population : 50
Reference population : 225
Relative Ks p-value : 0.38756
Relative ecdf deviation area : 0.0247529
Relative ecdf area correlation : -0.085173
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 : 2.74583e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.7098



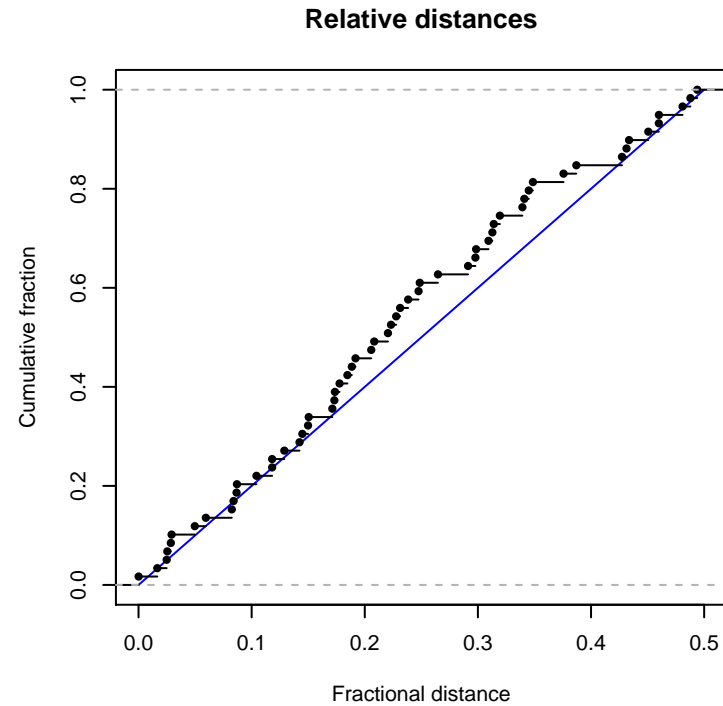
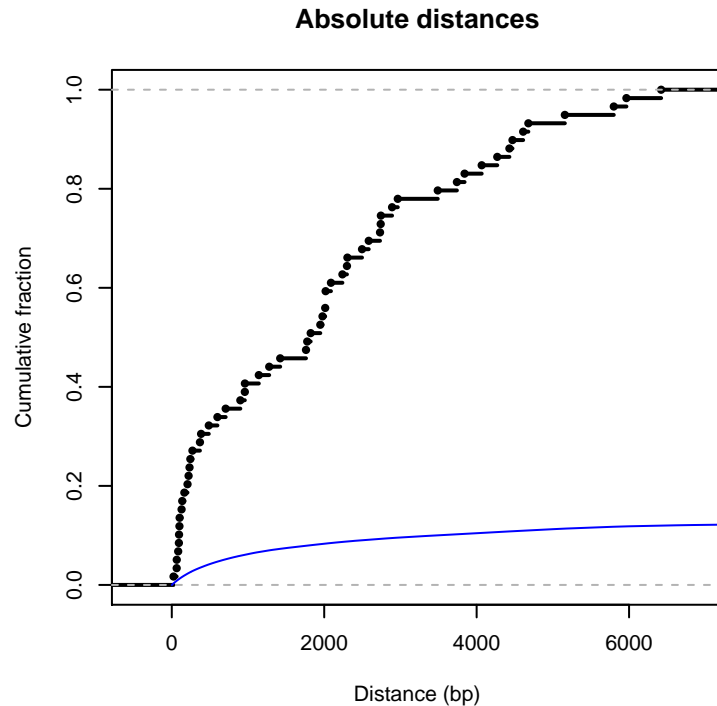
pcontig_075

Query population : 51
Reference population : 405
Relative Ks p-value : 0.302382
Relative ecdf deviation area : 0.0236596
Relative ecdf area correlation : -0.0390599
Relative ecdf deviation area p-value : 0.29
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.02489



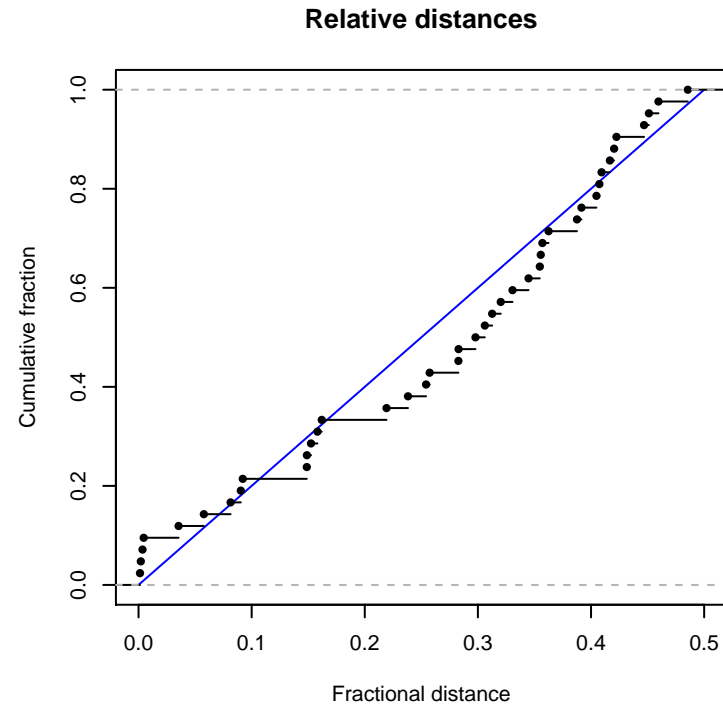
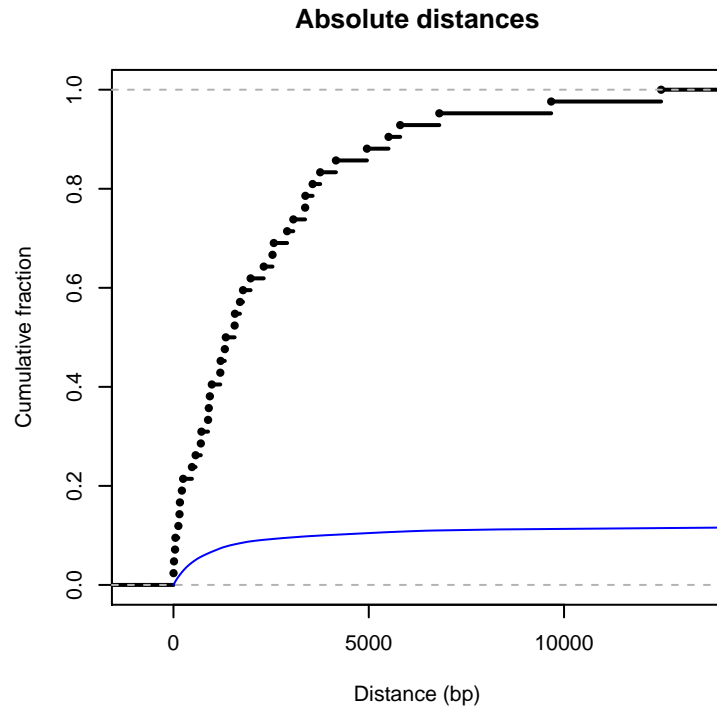
pcontig_077

Query population : 59
Reference population : 236
Relative Ks p-value : 0.373654
Relative ecdf deviation area : 0.0205596
Relative ecdf area correlation : 0.0770832
Relative ecdf deviation area p-value : 0.38
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.11022e-16
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.5679



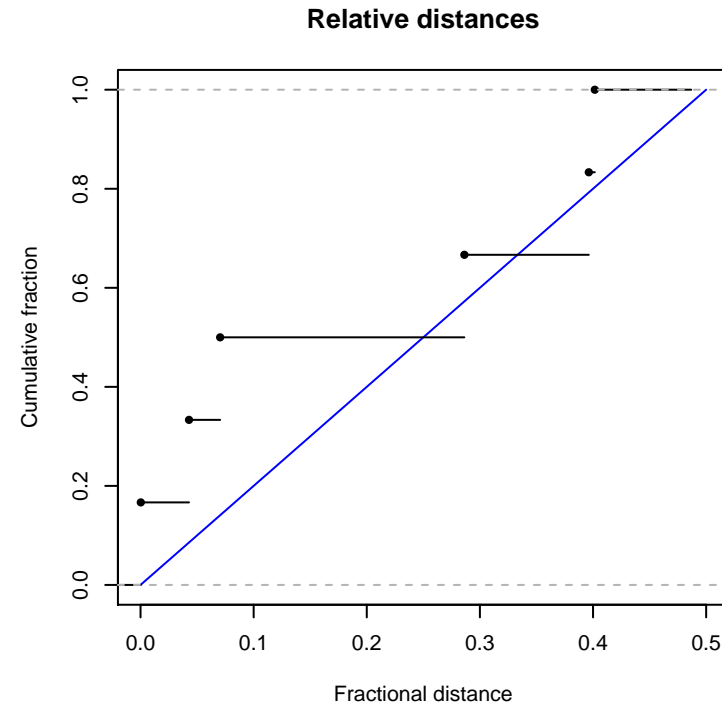
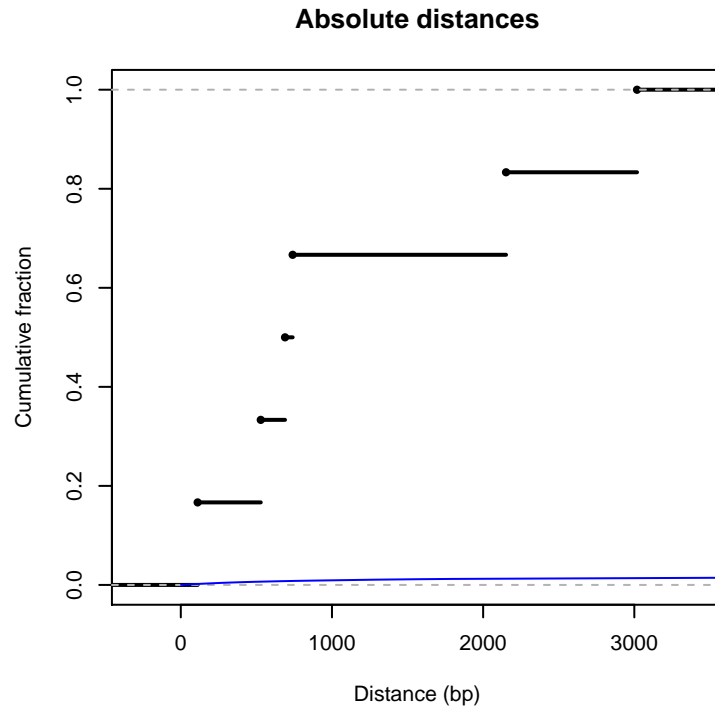
pcontig_078

Query population : 42
Reference population : 251
Relative Ks p-value : 0.375414
Relative ecdf deviation area : 0.025624
Relative ecdf area correlation : -0.0589179
Relative ecdf deviation area p-value : 0.27
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.46396e-10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.19733



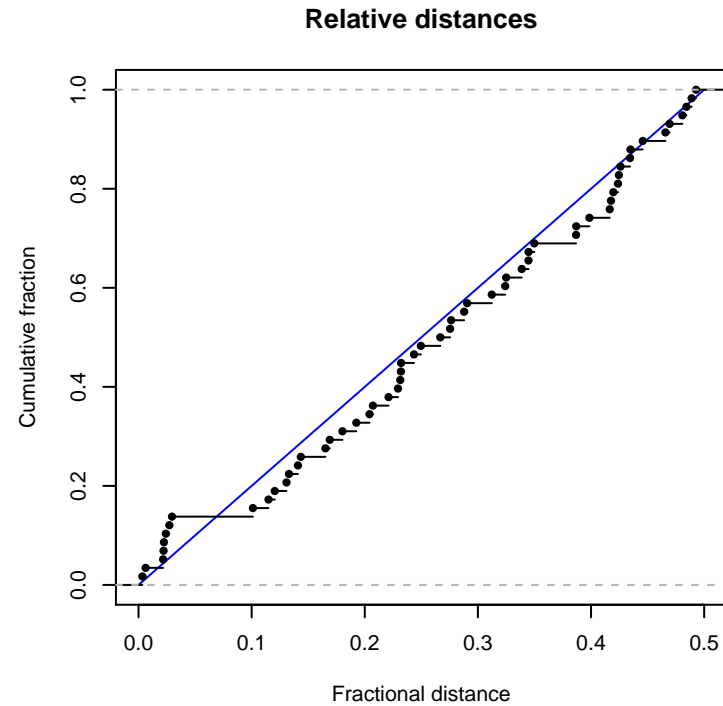
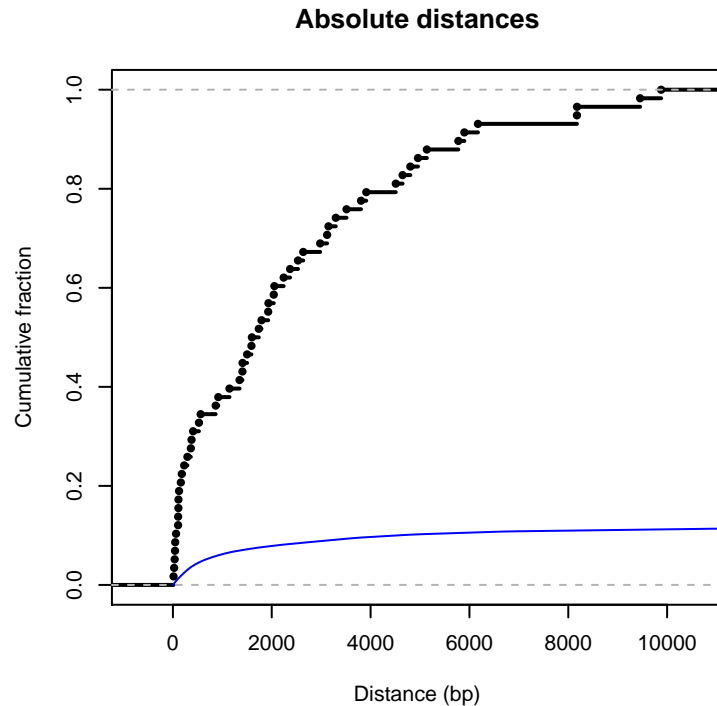
pcontig_079

Query population : 6
Reference population : 38
Relative Ks p-value : 0.337238
Relative ecdf deviation area : 0.0610879
Relative ecdf area correlation : 0.201599
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 : 1.08695e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 53.9915



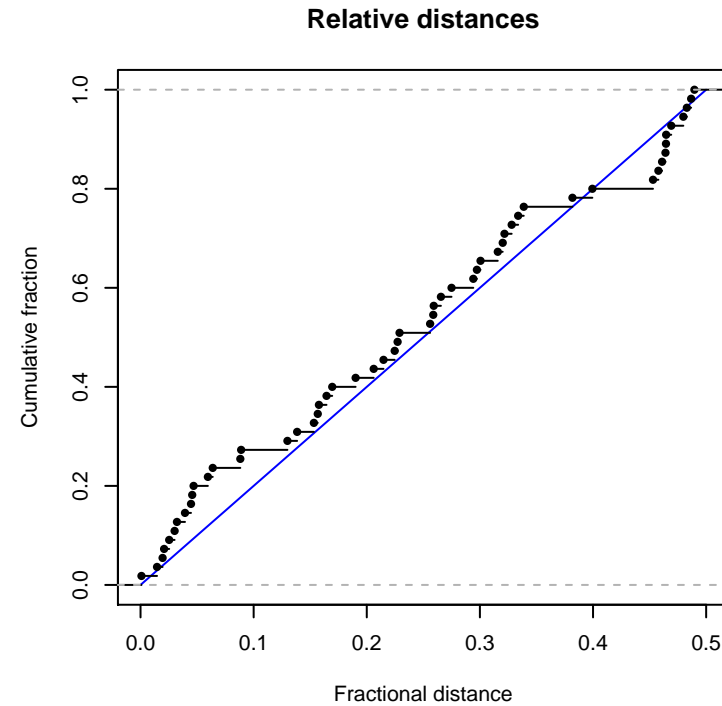
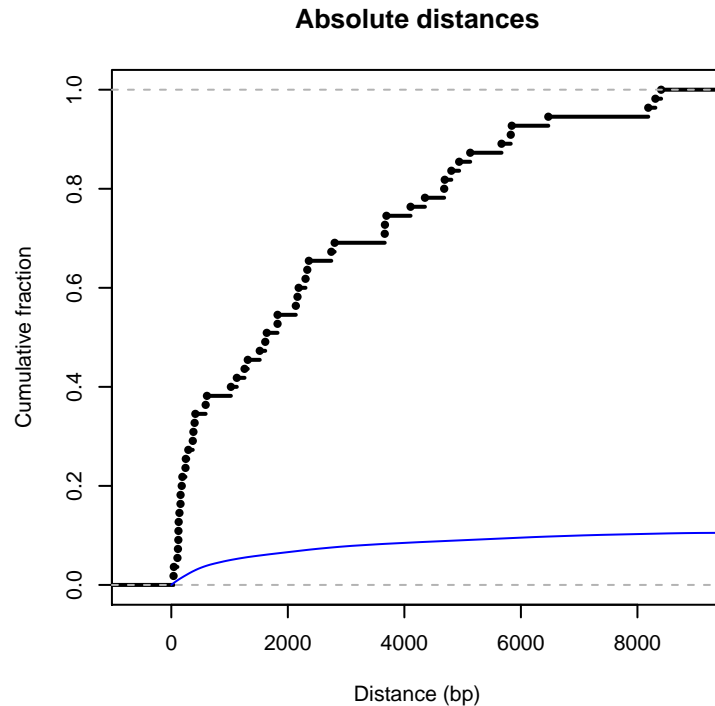
pcontig_080

Query population : 58
Reference population : 224
Relative Ks p-value : 0.680561
Relative ecdf deviation area : 0.0200997
Relative ecdf area correlation : -0.0643354
Relative ecdf deviation area p-value : 0.37
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.27987e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.34608



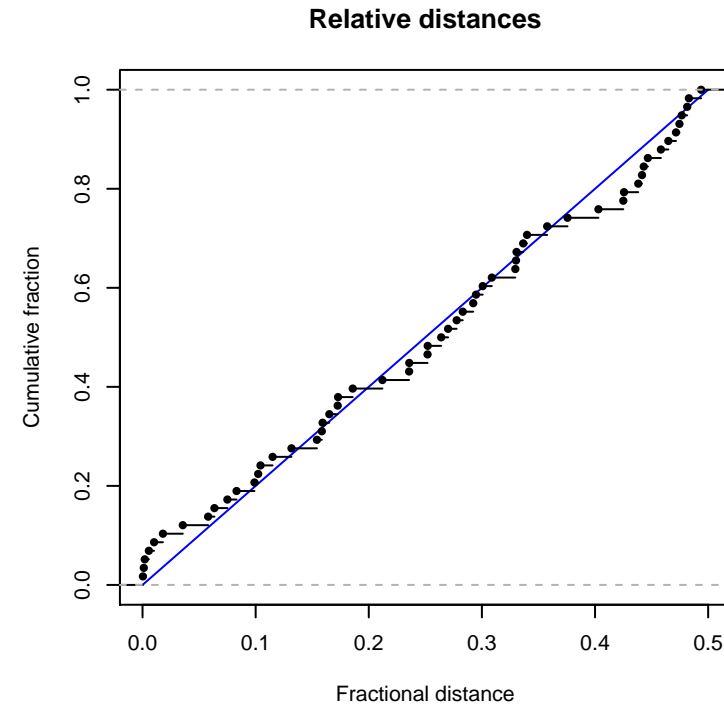
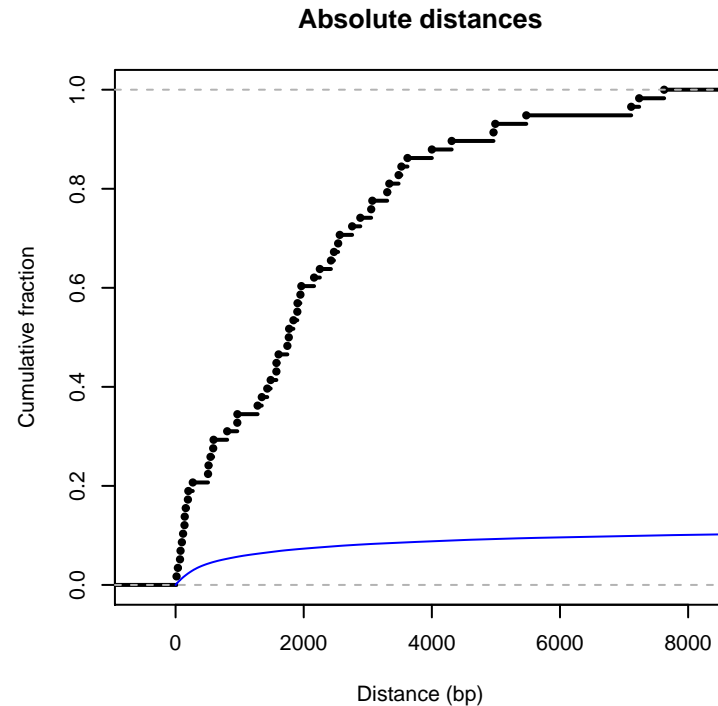
pcontig_081

Query population : 55
Reference population : 155
Relative Ks p-value : 0.499859
Relative ecdf deviation area : 0.0205519
Relative ecdf area correlation : 0.0471568
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 : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.06367



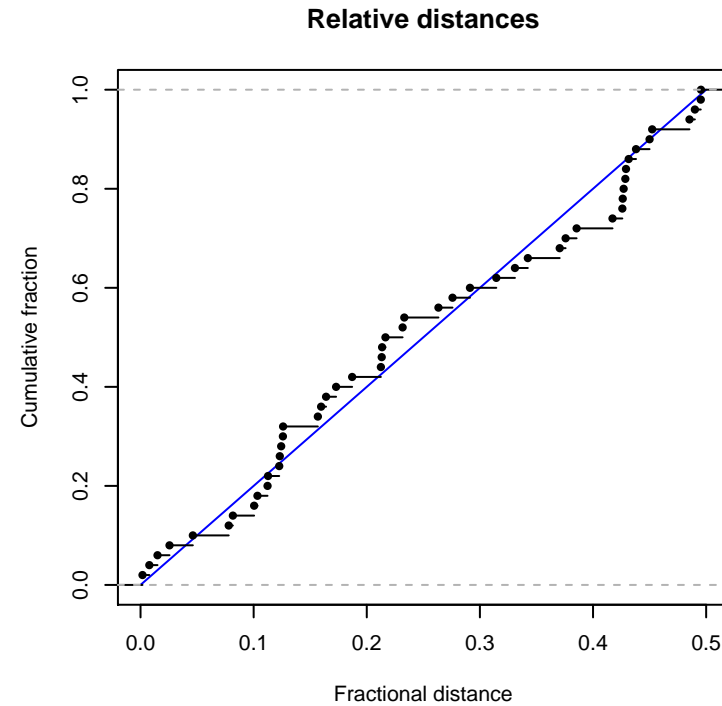
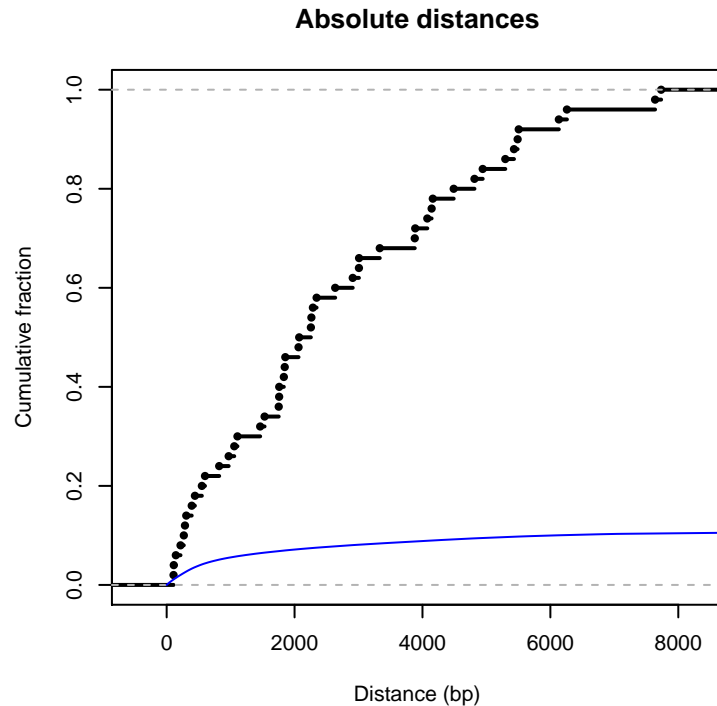
pcontig_082

Query population : 58
Reference population : 254
Relative Ks p-value : 0.683927
Relative ecdf deviation area : 0.0136379
Relative ecdf area correlation : -0.019265
Relative ecdf deviation area p-value : 0.71
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 3.95572e-13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.74955



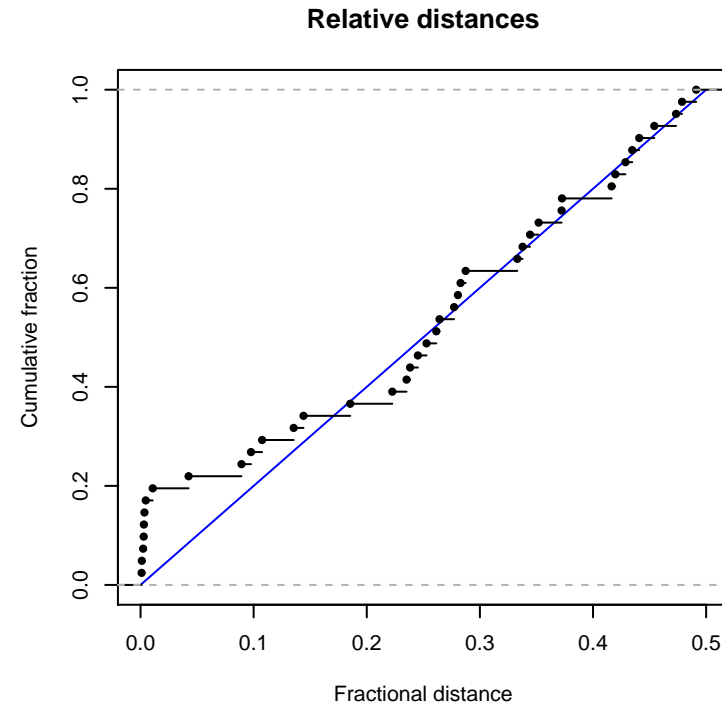
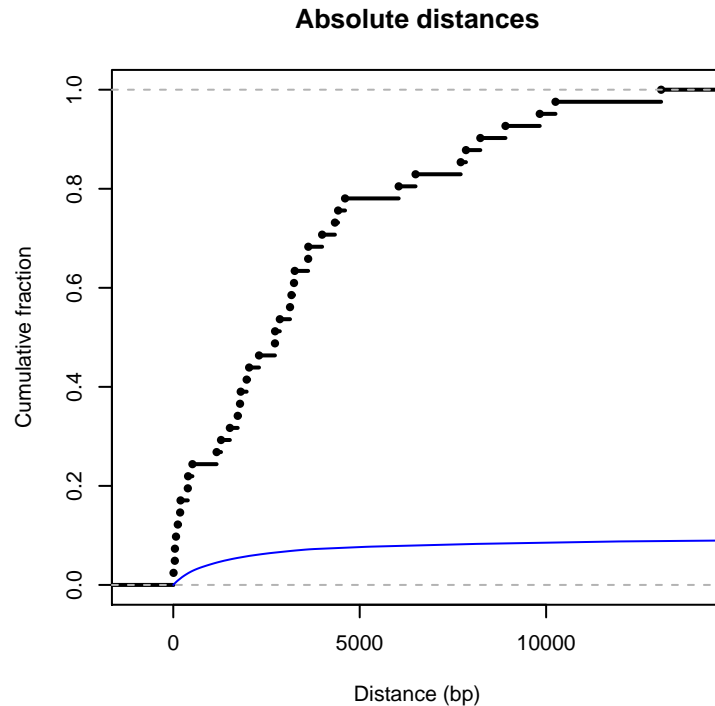
pcontig_083

Query population : 50
Reference population : 199
Relative Ks p-value : 0.493358
Relative ecdf deviation area : 0.016414
Relative ecdf area correlation : -0.0167605
Relative ecdf deviation area p-value : 0.67
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.08
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000454255
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.4353



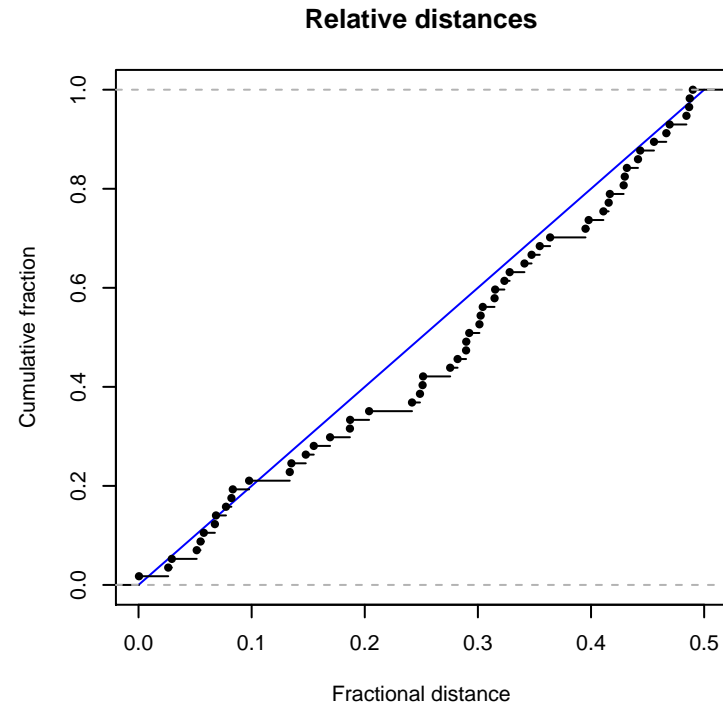
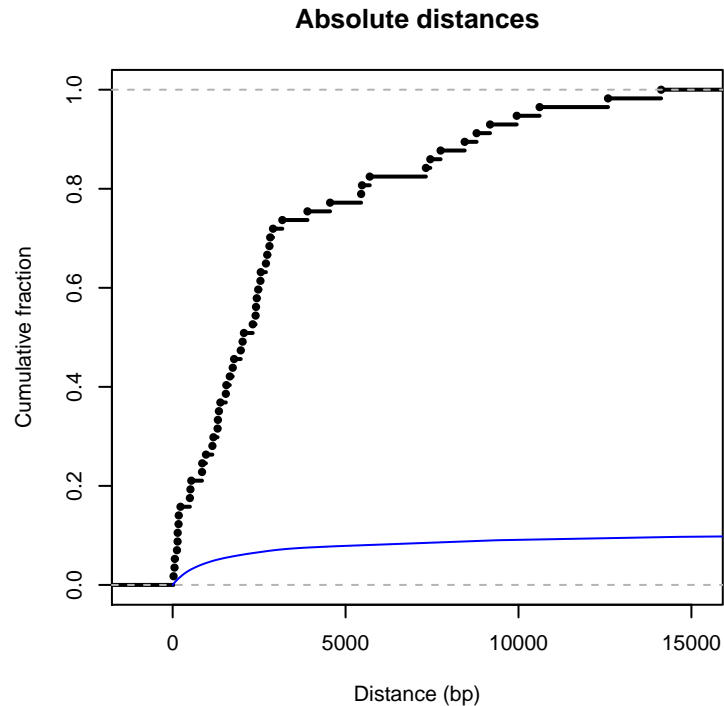
pcontig_084

Query population : 41
Reference population : 135
Relative Ks p-value : 0.150065
Relative ecdf deviation area : 0.0211534
Relative ecdf area correlation : 0.0411521
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 : 5.55112e-15
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.31265



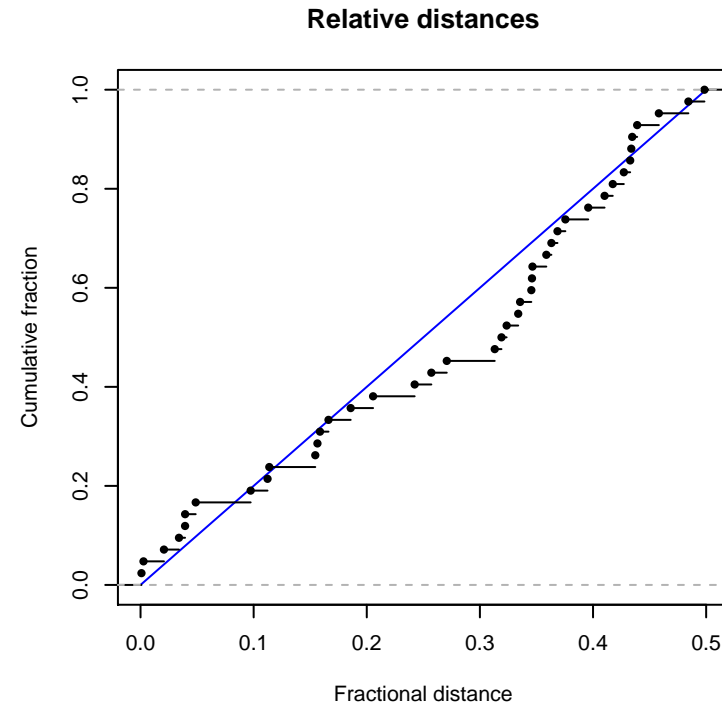
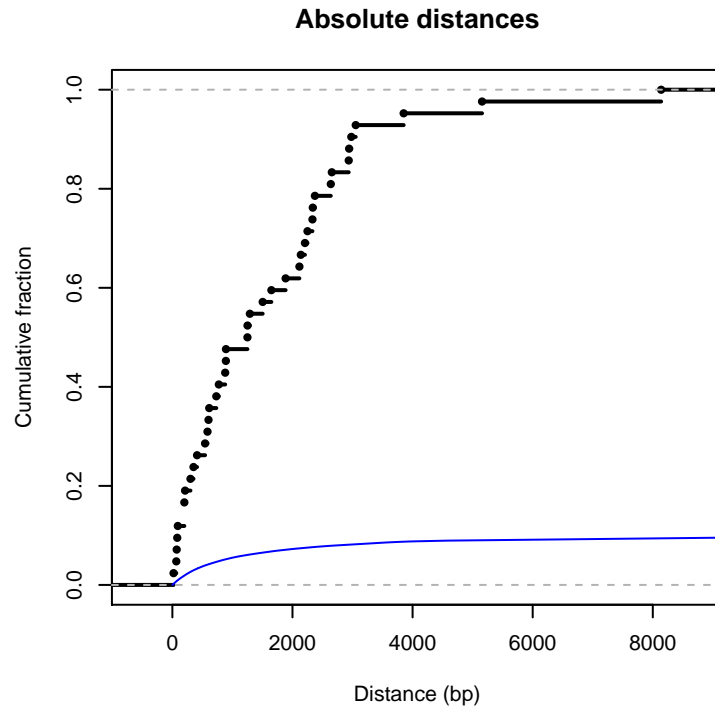
pcontig_086

Query population : 57
Reference population : 149
Relative Ks p-value : 0.245717
Relative ecdf deviation area : 0.0241574
Relative ecdf area correlation : -0.09375
Relative ecdf deviation area p-value : 0.29
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 6.66134e-16
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.60294



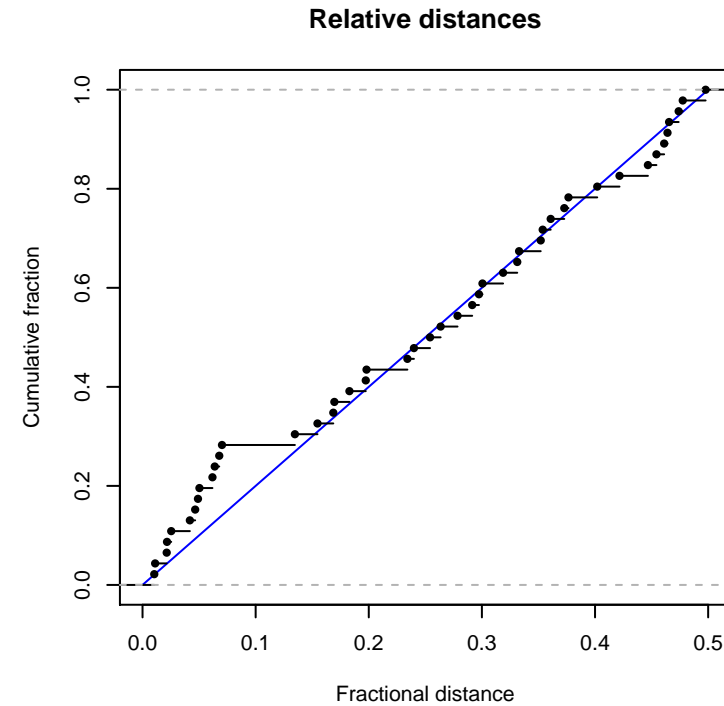
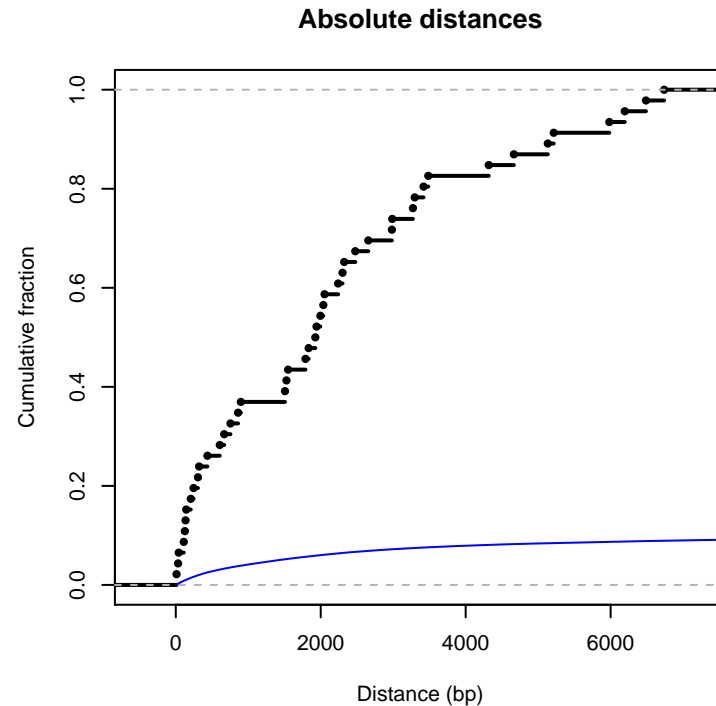
pcontig_087

Query population : 42
Reference population : 189
Relative Ks p-value : 0.139896
Relative ecdf deviation area : 0.0250886
Relative ecdf area correlation : -0.0731041
Relative ecdf deviation area p-value : 0.4
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.11449e-13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.1072



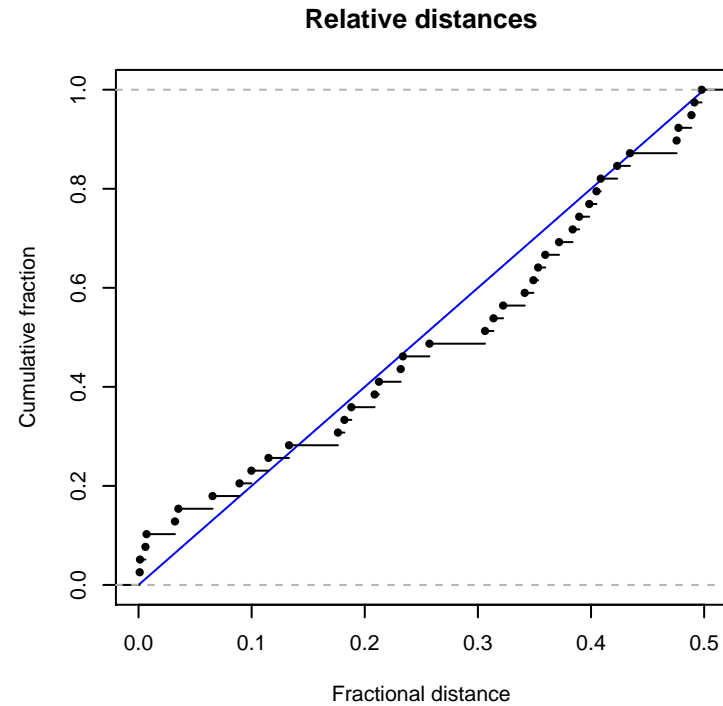
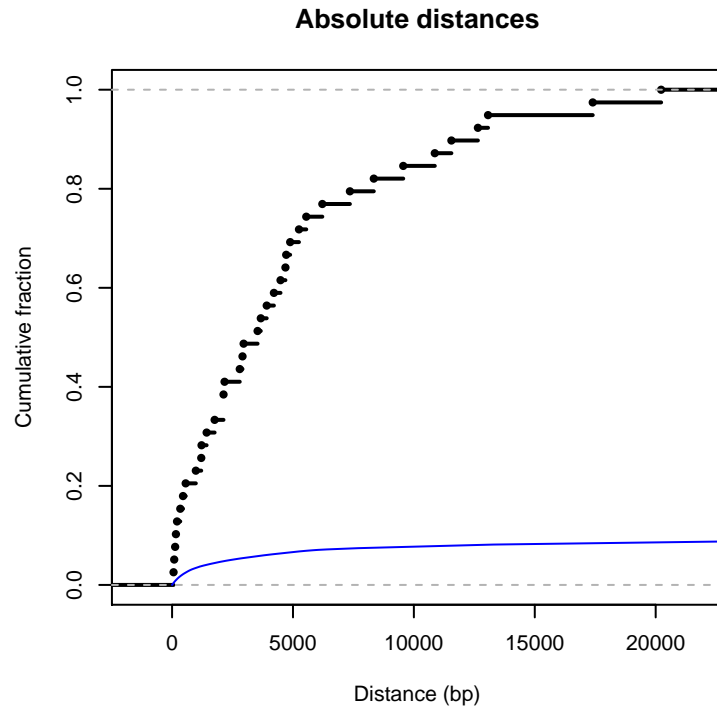
pcontig_088

Query population : 46
Reference population : 144
Relative Ks p-value : 0.283032
Relative ecdf deviation area : 0.0146774
Relative ecdf area correlation : 0.0200057
Relative ecdf deviation area p-value : 0.77
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.64233e-14
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.74922



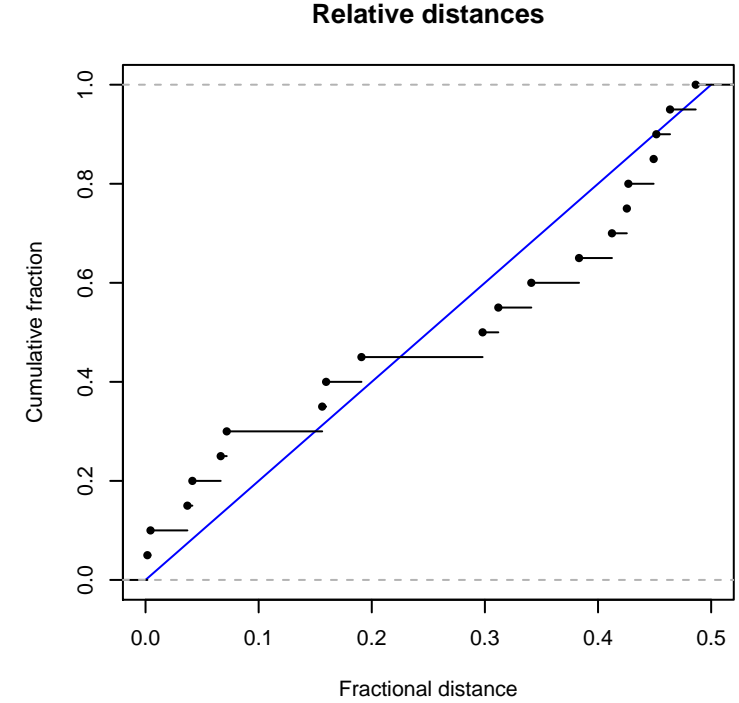
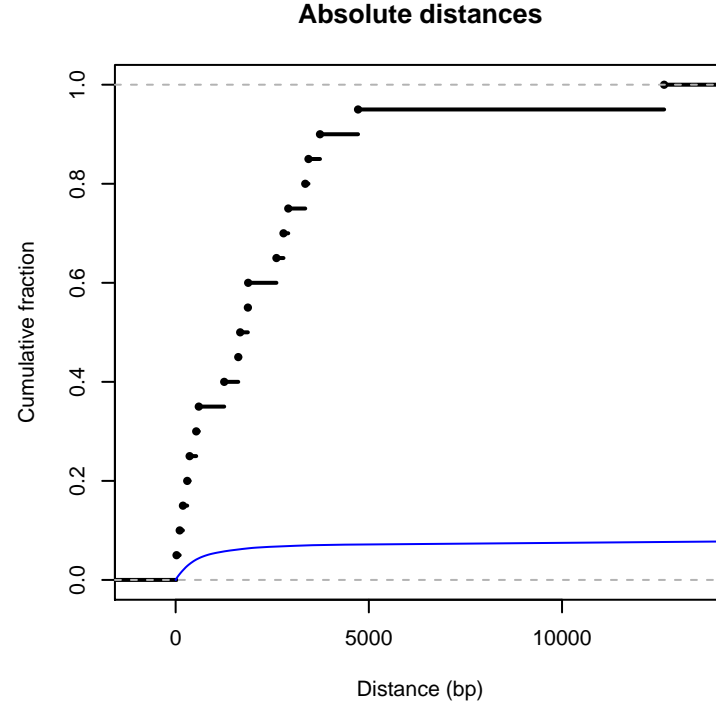
pcontig_089

Query population : 39
Reference population : 120
Relative Ks p-value : 0.530456
Relative ecdf deviation area : 0.0231374
Relative ecdf area correlation : -0.0529728
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 : 1.1334e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.03241



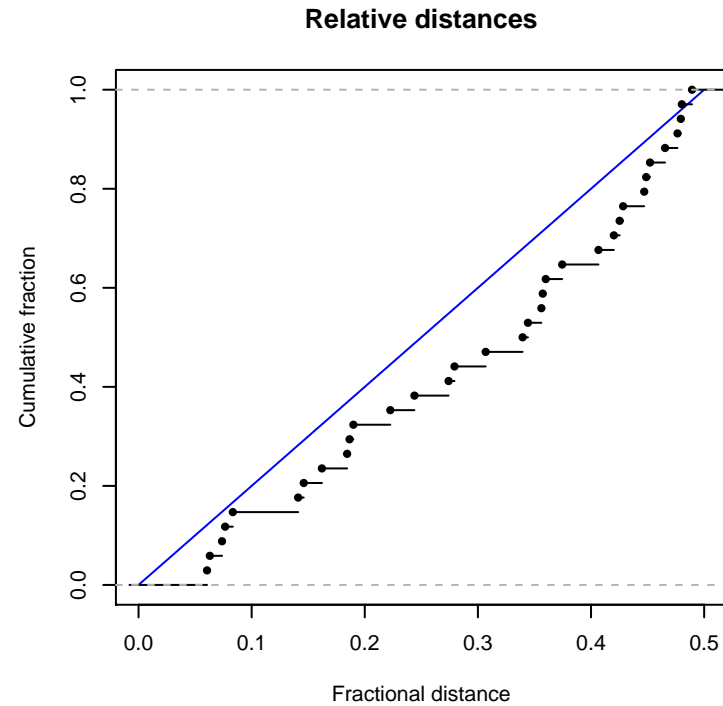
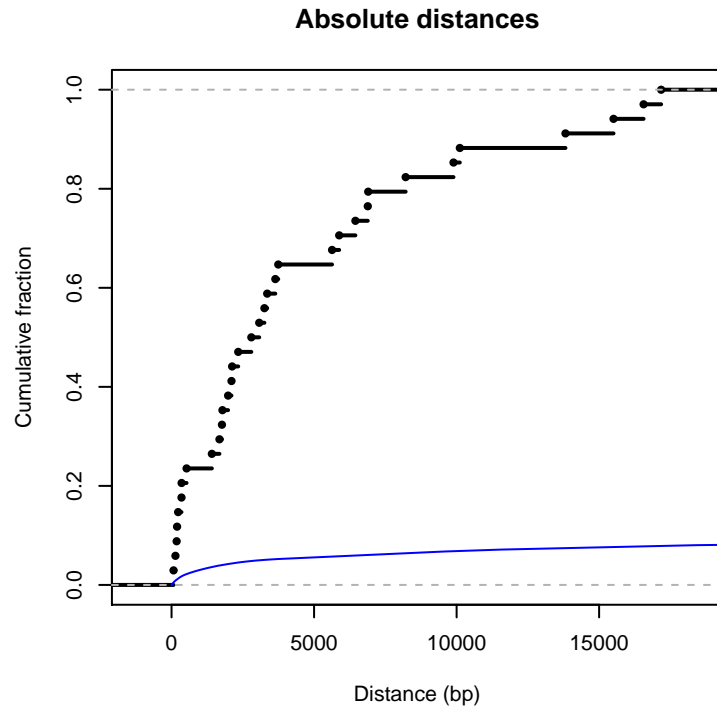
pcontig_090

Query population : 20
Reference population : 222
Relative Ks p-value : 0.519566
Relative ecdf deviation area : 0.0379505
Relative ecdf area correlation : -0.0357582
Relative ecdf deviation area p-value : 0.37
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.8702e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 6.15893



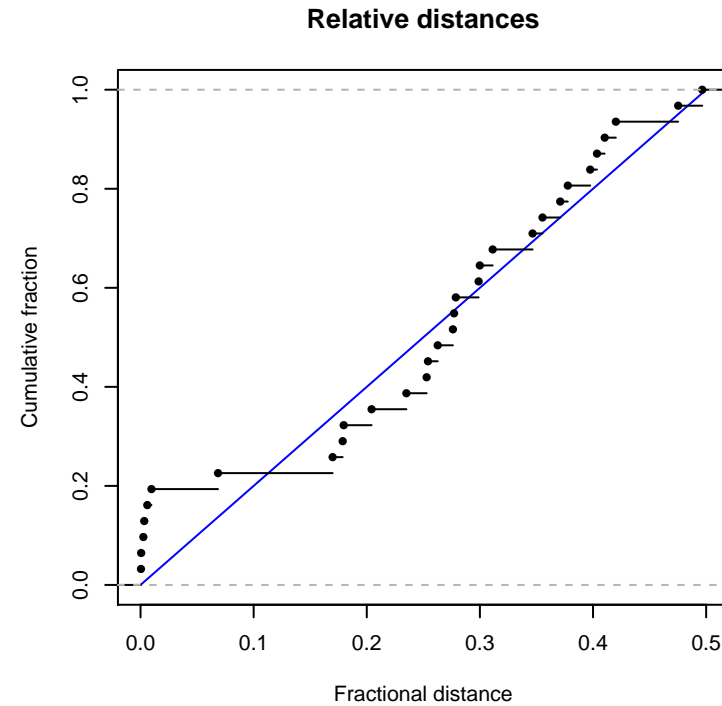
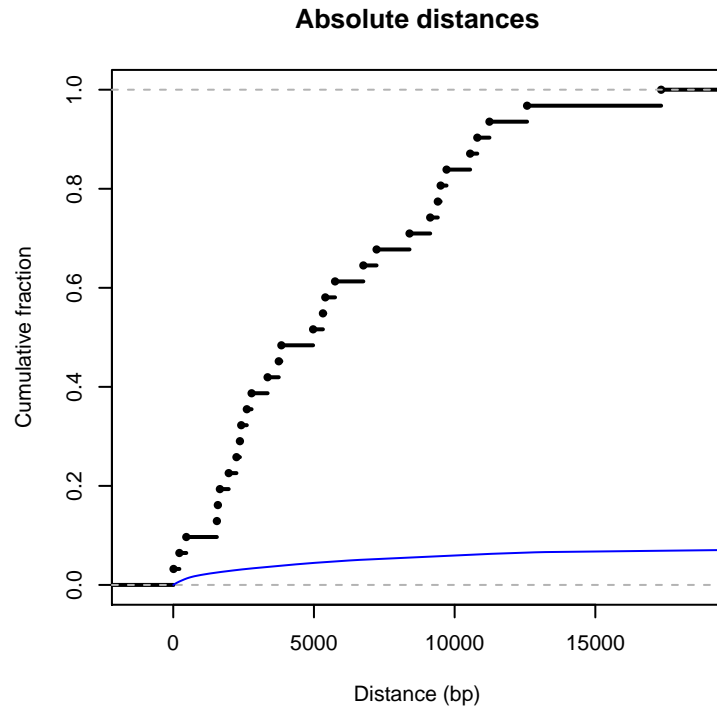
pcontig_091

Query population : 34
Reference population : 129
Relative Ks p-value : 0.089653
Relative ecdf deviation area : 0.0519091
Relative ecdf area correlation : -0.205298
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 : 9.97475e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.99638



pcontig_092

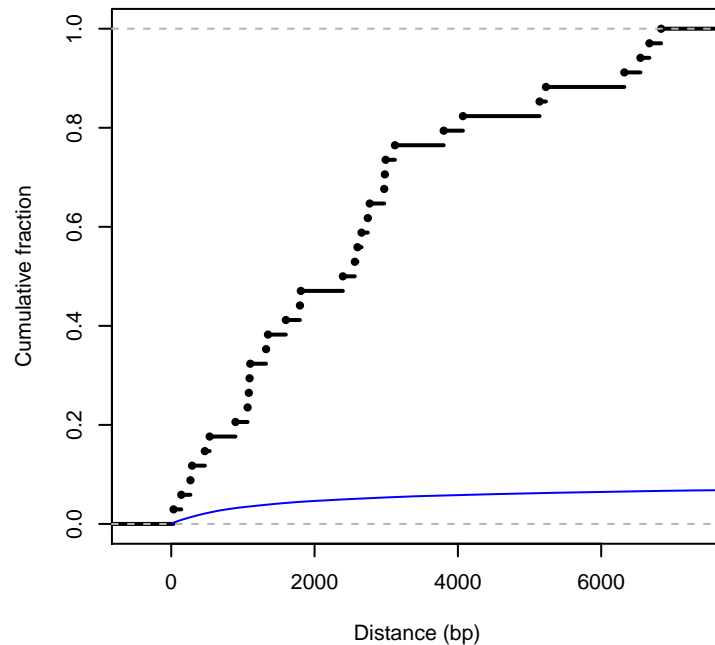
Query population : 31
Reference population : 61
Relative Ks p-value : 0.270548
Relative ecdf deviation area : 0.0278018
Relative ecdf area correlation : 0.0162627
Relative ecdf deviation area p-value : 0.4
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.05
Jaccard Measure lower tail : FALSE
Projection test p-value : 6.61432e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.5928



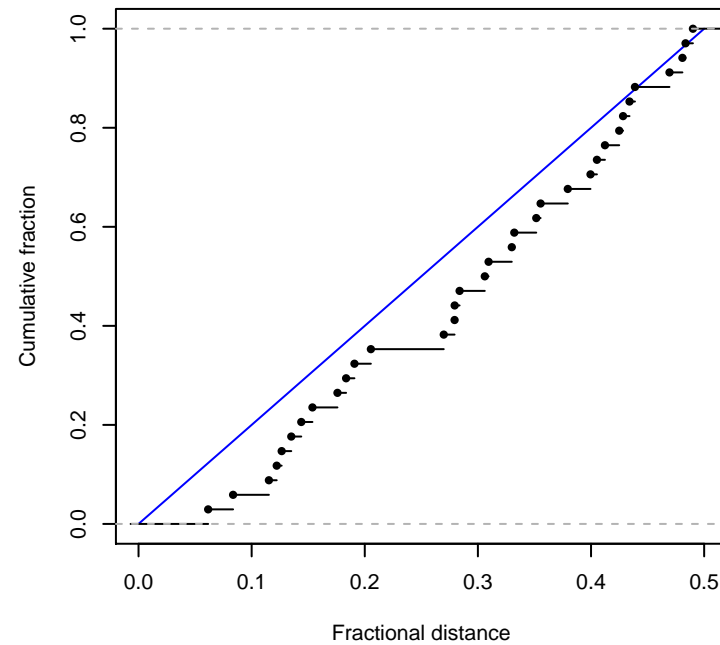
pcontig_095

Query population : 34
Reference population : 120
Relative Ks p-value : 0.164322
Relative ecdf deviation area : 0.0453808
Relative ecdf area correlation : -0.181283
Relative ecdf deviation area p-value : 0.06000000000000001
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.50491e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.1998

Absolute distances

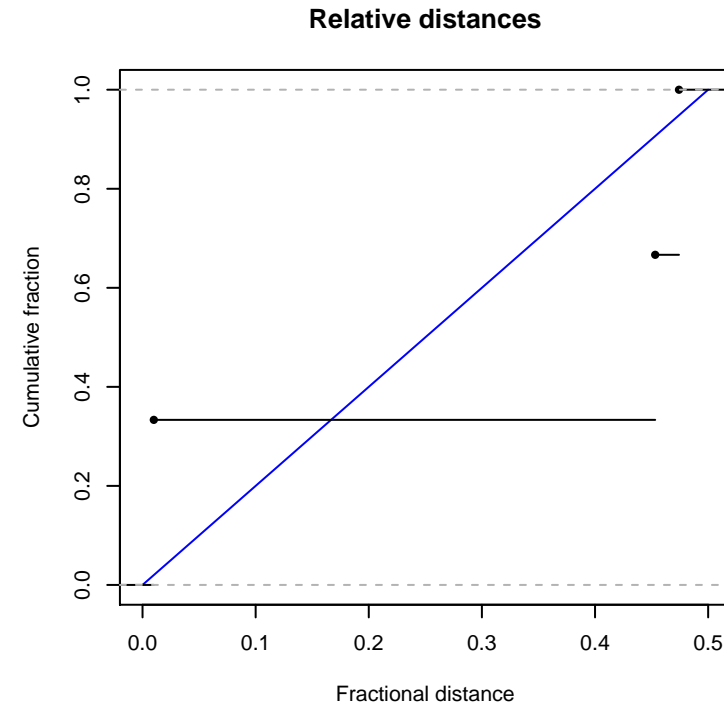
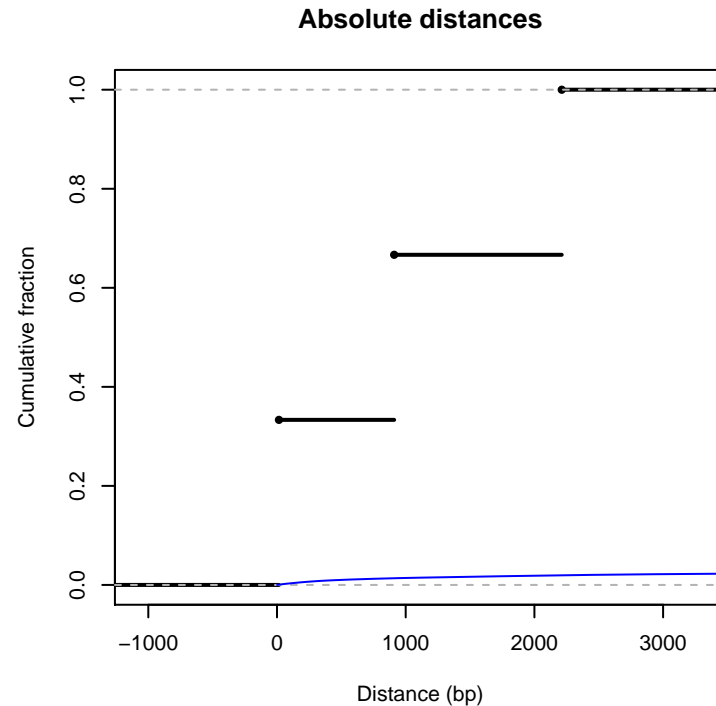


Relative distances



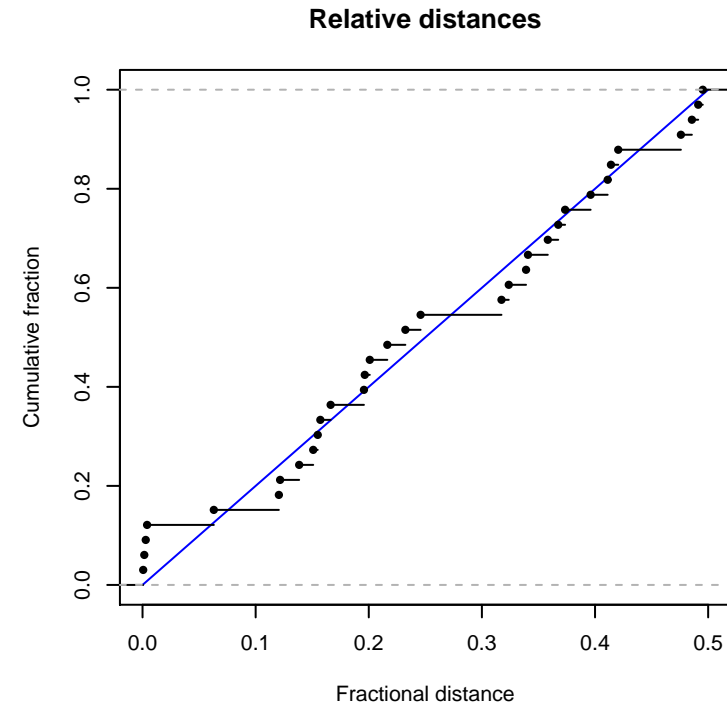
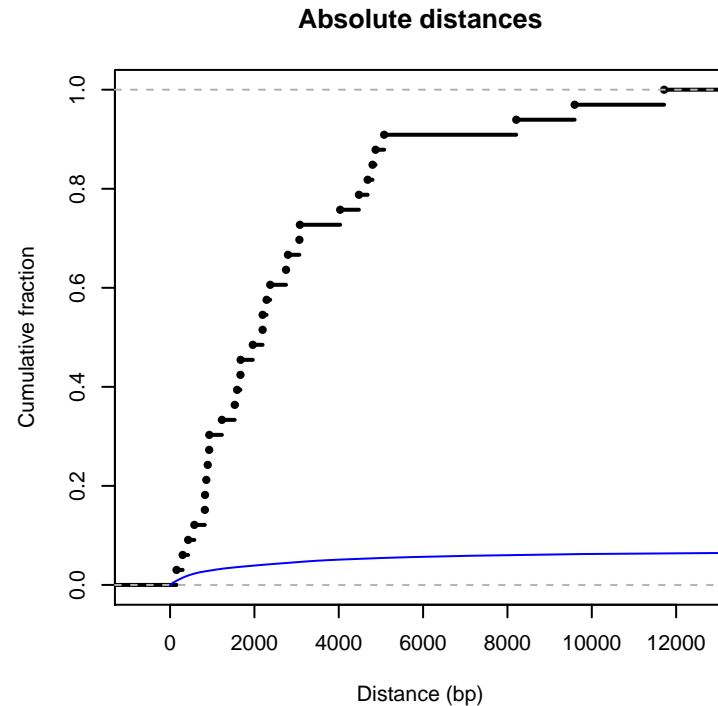
pcontig_096

Query population : 3
Reference population : 59
Relative Ks p-value : 0.185775
Relative ecdf deviation area : 0.113481
Relative ecdf area correlation : -0.249859
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 : 7.845e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 33.5514



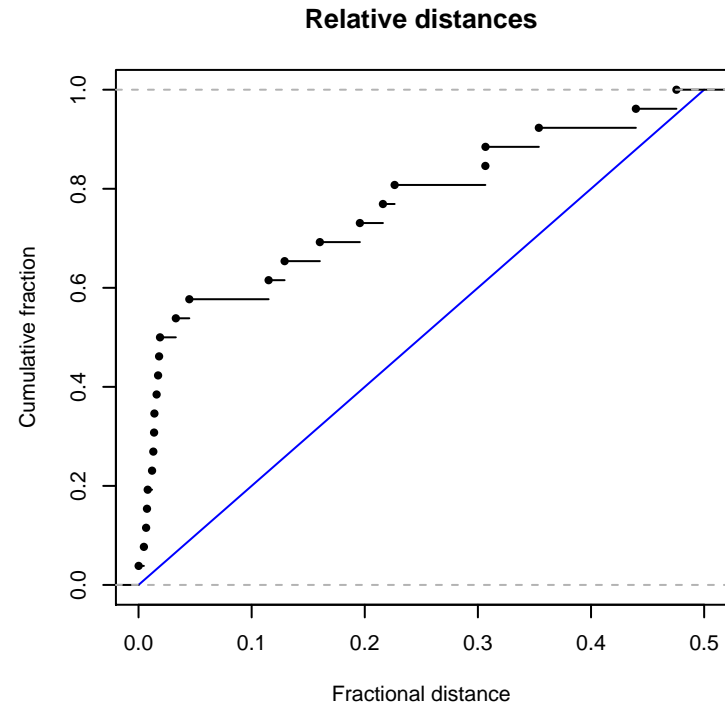
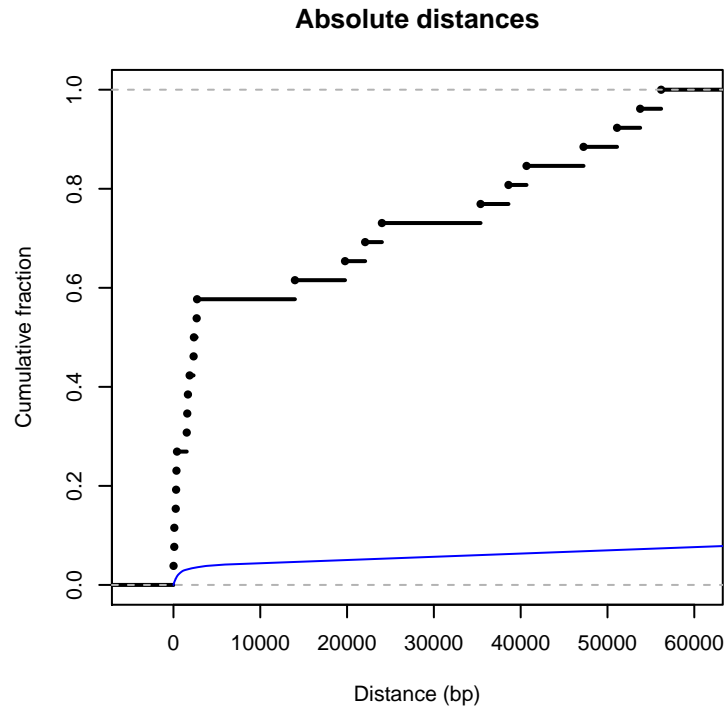
pcontig_097

Query population : 33
Reference population : 109
Relative Ks p-value : 0.75022
Relative ecdf deviation area : 0.0178588
Relative ecdf area correlation : -0.0157017
Relative ecdf deviation area p-value : 0.75
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.39667e-10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.8333



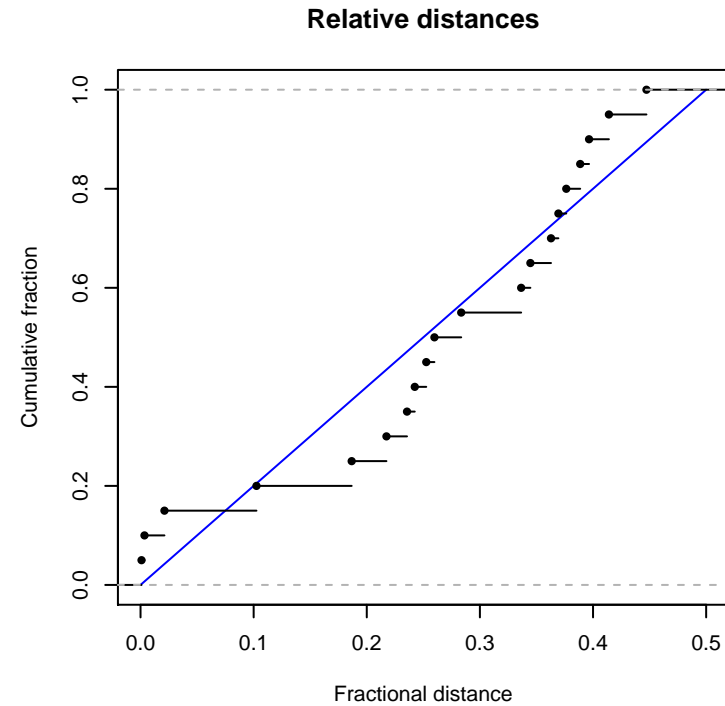
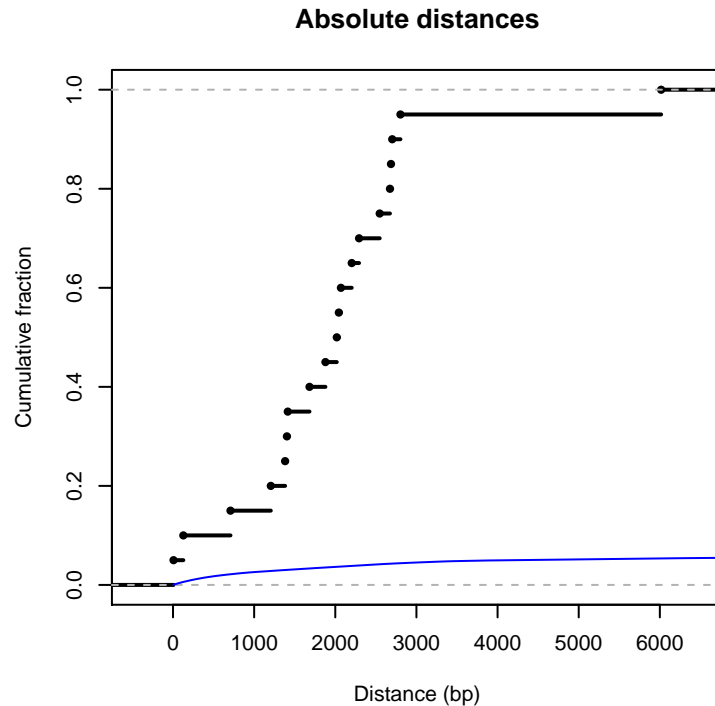
pcontig_100

Query population : 26
Reference population : 102
Relative Ks p-value : 3.30018e-06
Relative ecdf deviation area : 0.128829
Relative ecdf area correlation : 0.514921
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.93494e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.2522



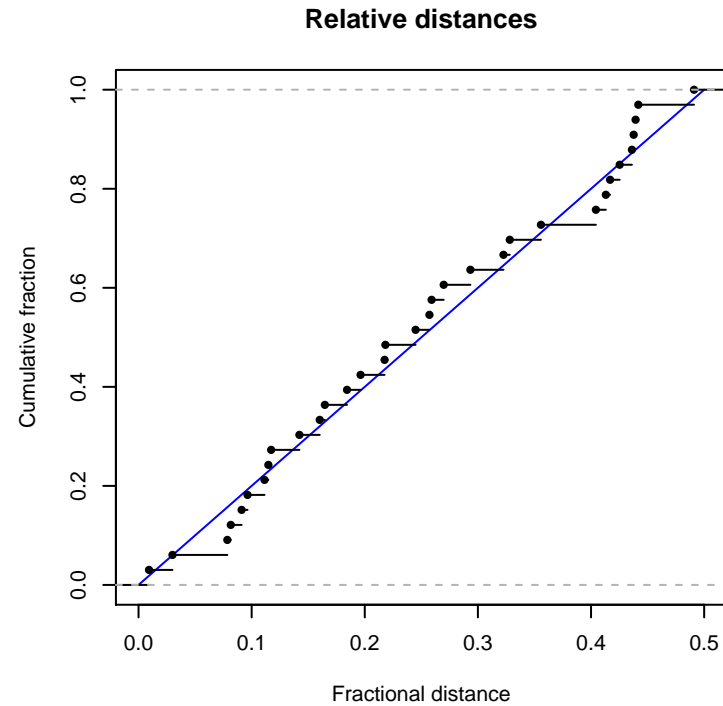
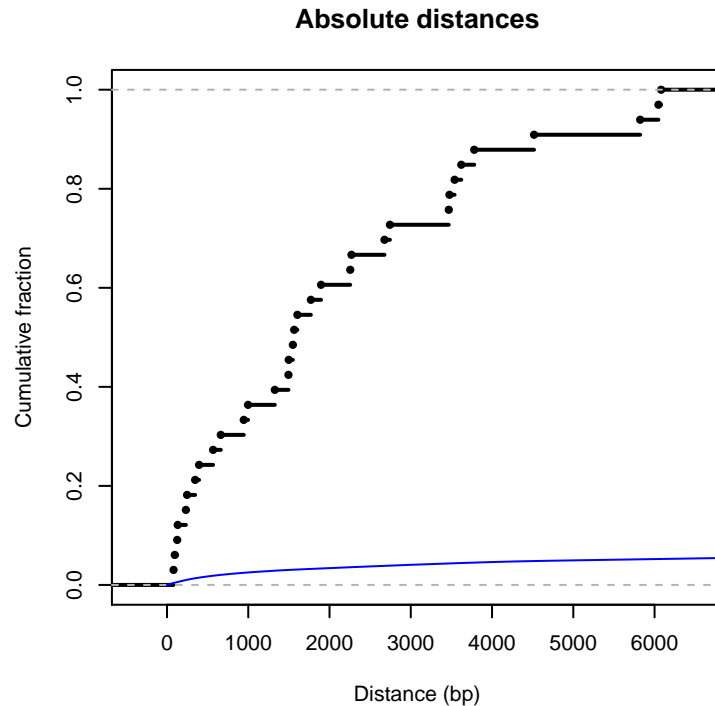
pcontig_103

Query population : 20
Reference population : 89
Relative Ks p-value : 0.448526
Relative ecdf deviation area : 0.0373384
Relative ecdf area correlation : -0.0484061
Relative ecdf deviation area p-value : 0.41
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.51578e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.9408



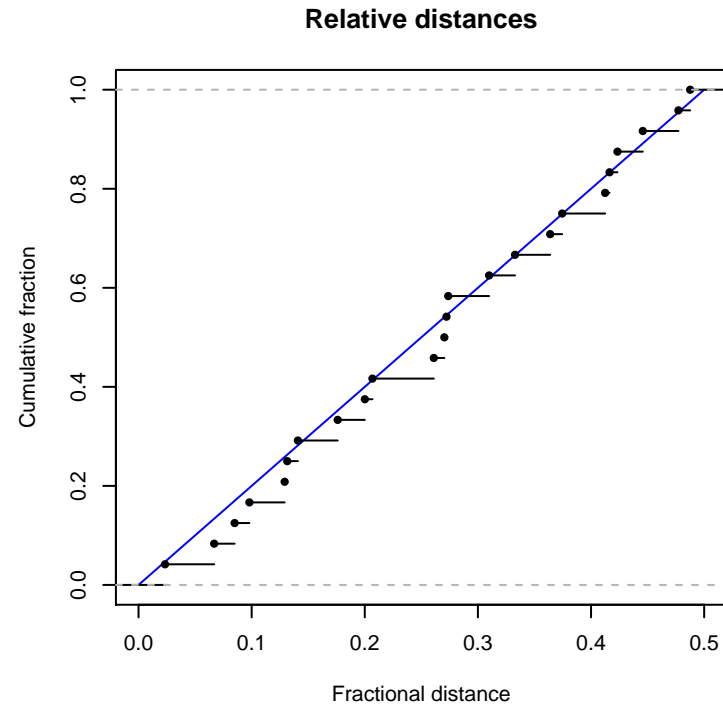
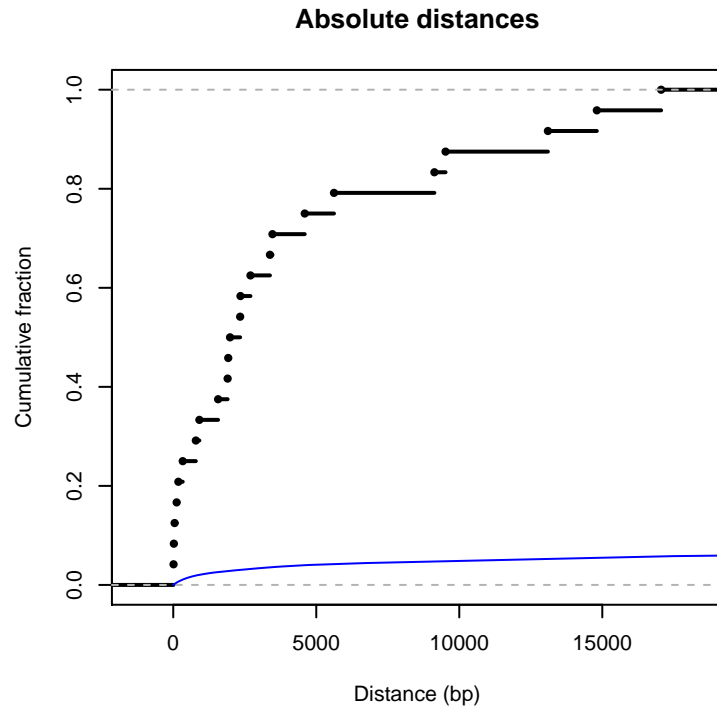
pcontig_104

Query population : 33
Reference population : 91
Relative Ks p-value : 0.890084
Relative ecdf deviation area : 0.0142345
Relative ecdf area correlation : -1.41475×10^{-5}
Relative ecdf deviation area p-value : 0.94
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.14575×10^{-13}
Projection test lower tail : FALSE
Projection test observed to expected ratio : 16.4426



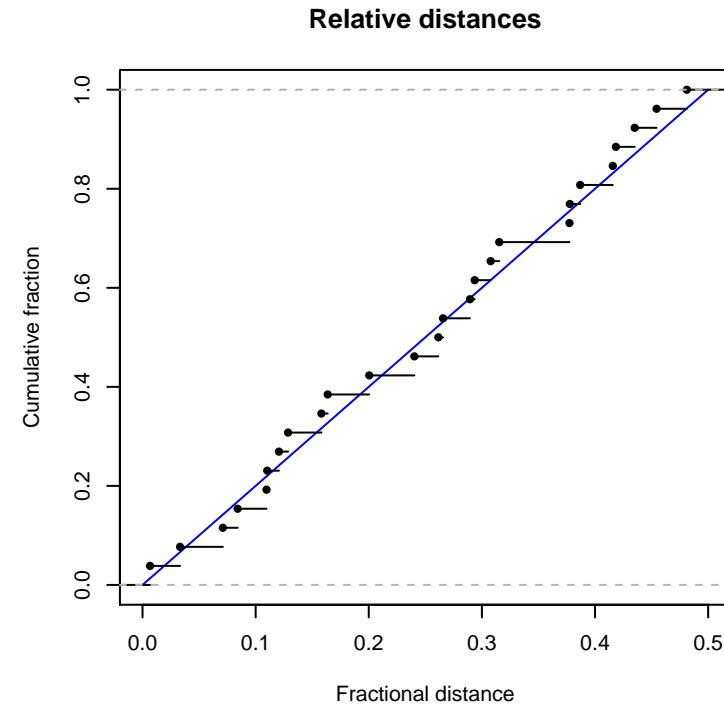
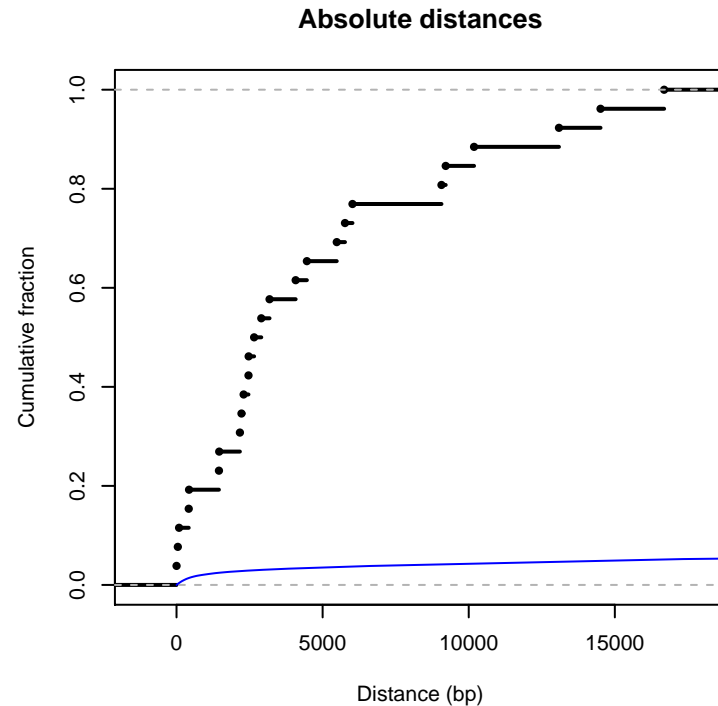
pcontig_106

Query population : 24
Reference population : 75
Relative Ks p-value : 0.927354
Relative ecdf deviation area : 0.0170762
Relative ecdf area correlation : -0.0631485
Relative ecdf deviation area p-value : 0.93
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 3.28368e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 17.6116



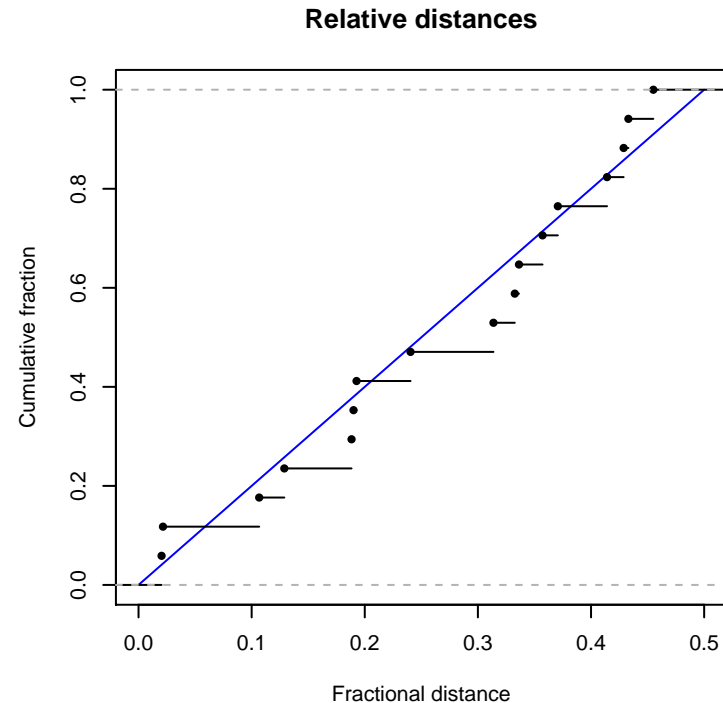
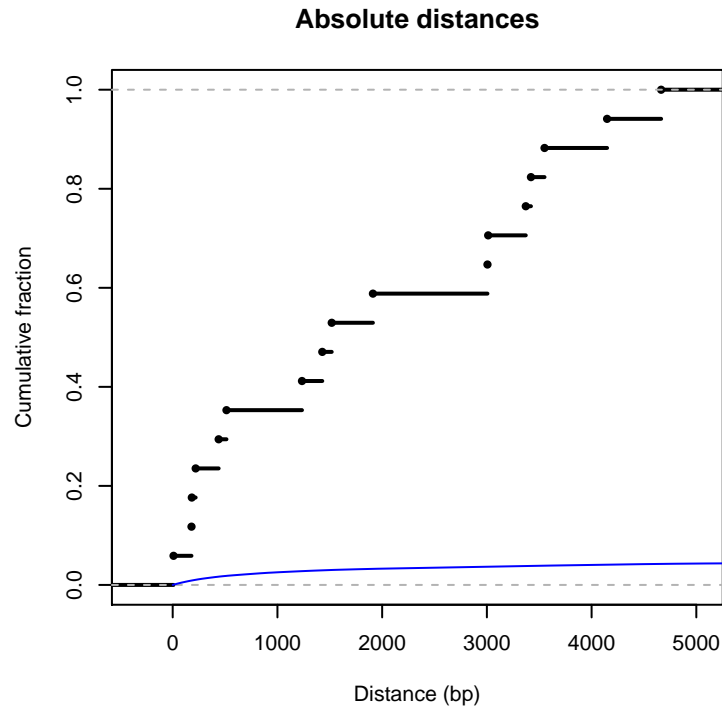
pcontig_110

Query population : 26
Reference population : 85
Relative Ks p-value : 0.99951
Relative ecdf deviation area : 0.0126594
Relative ecdf area correlation : -0.00102787
Relative ecdf deviation area p-value : 0.99
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 7.71926e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.1419



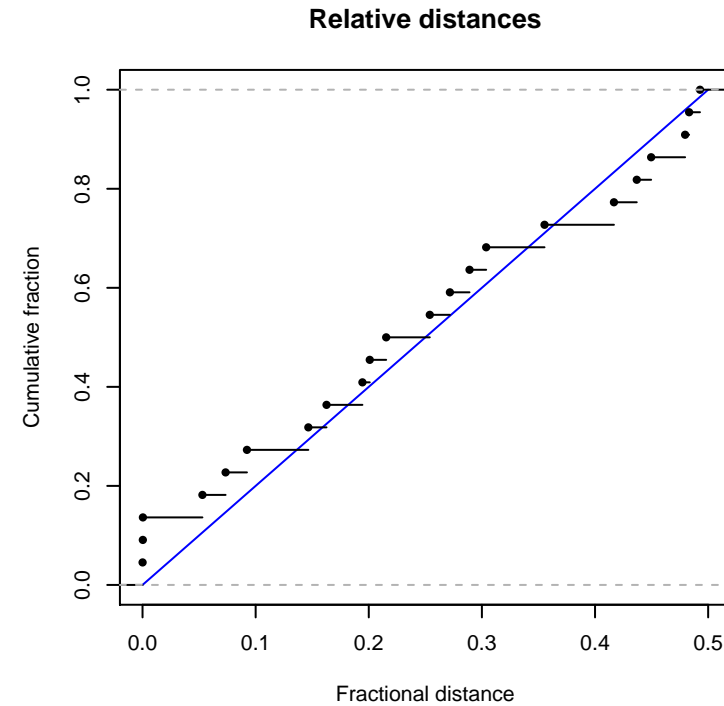
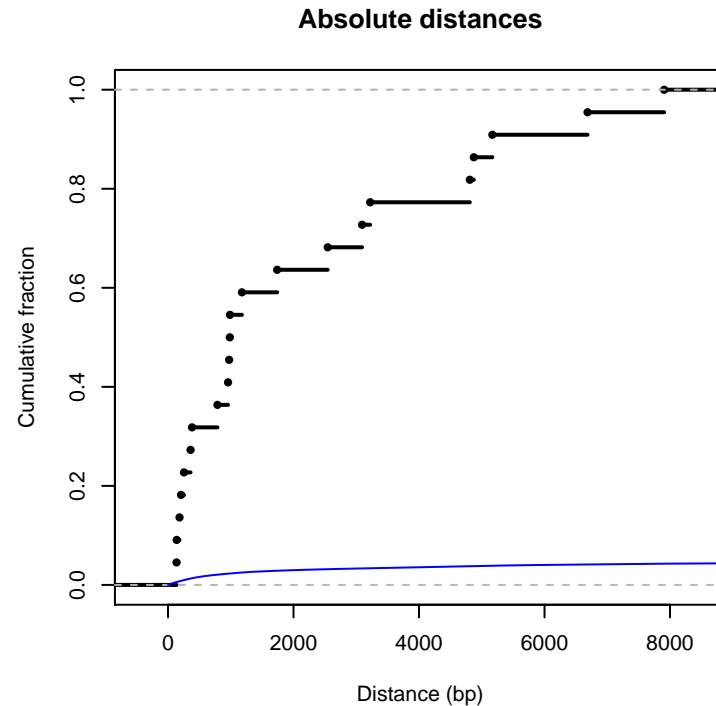
pcontig_112

Query population : 17
Reference population : 98
Relative Ks p-value : 0.74002
Relative ecdf deviation area : 0.0265266
Relative ecdf area correlation : -0.0660206
Relative ecdf deviation area p-value : 0.67
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 9.27168e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.1724



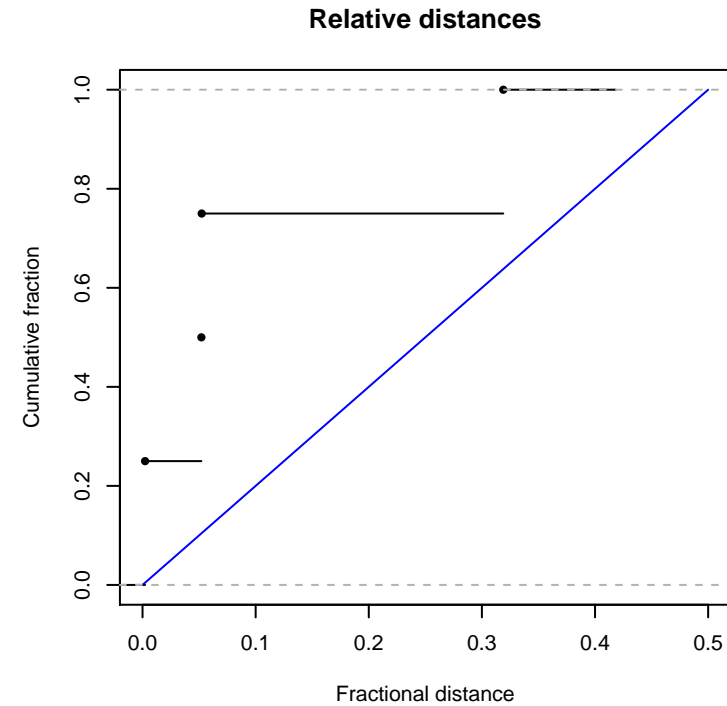
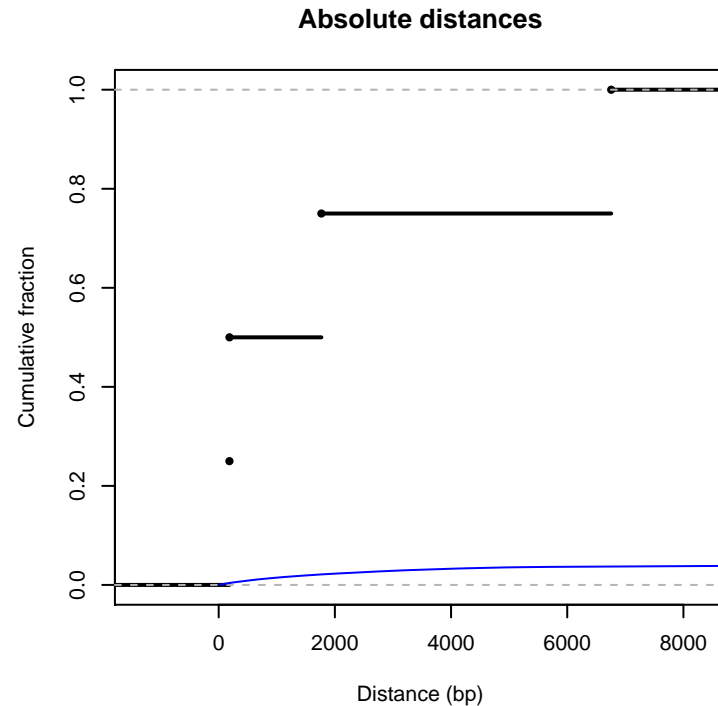
pcontig_115

Query population : 22
Reference population : 100
Relative Ks p-value : 0.763528
Relative ecdf deviation area : 0.0213952
Relative ecdf area correlation : 0.0232836
Relative ecdf deviation area p-value : 0.76
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 9.7109e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 19.7558



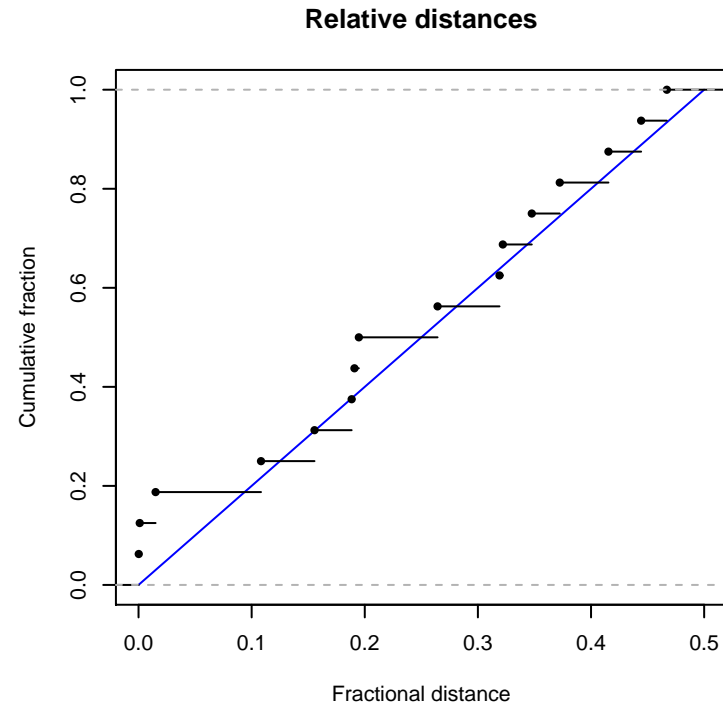
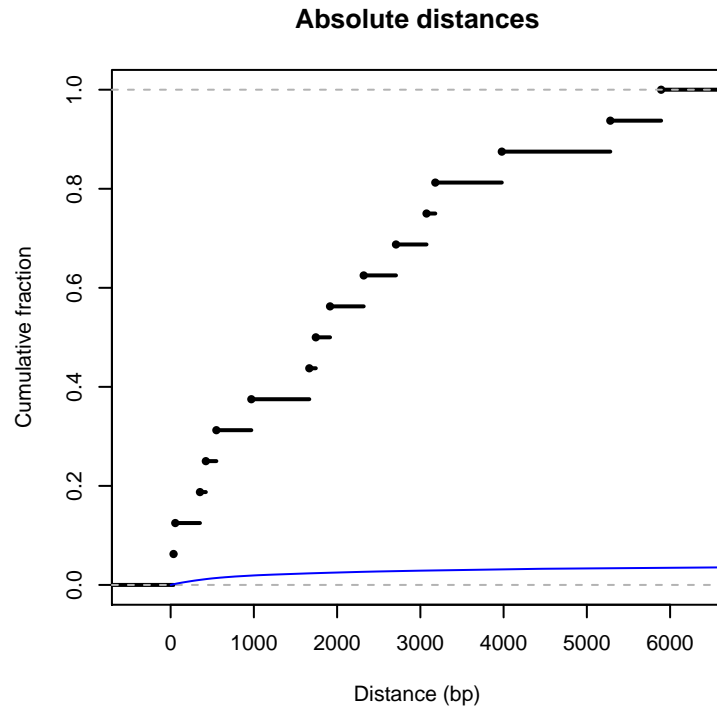
pcontig_118

Query population : 4
Reference population : 41
Relative Ks p-value : 0.0375292
Relative ecdf deviation area : 0.143933
Relative ecdf area correlation : 0.574507
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
Projection test lower tail : FALSE
Projection test observed to expected ratio : 28.6553



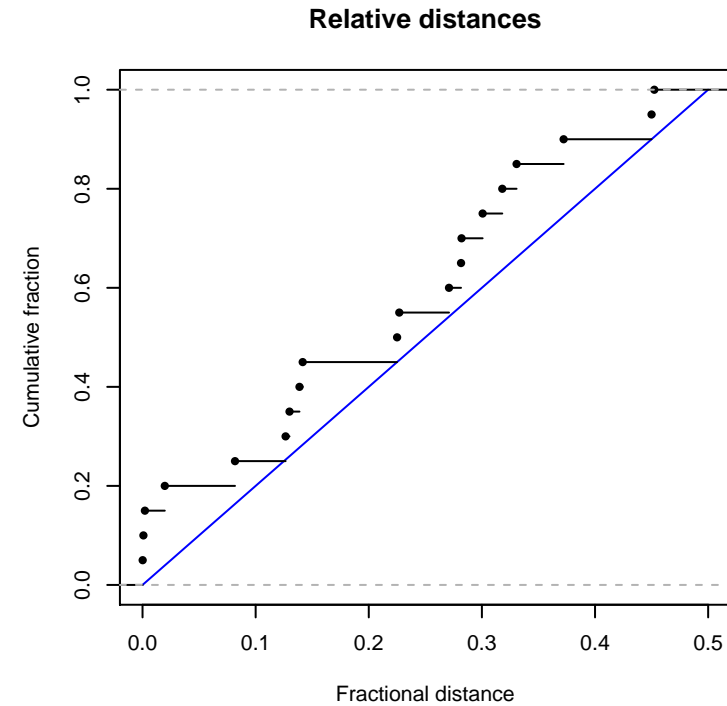
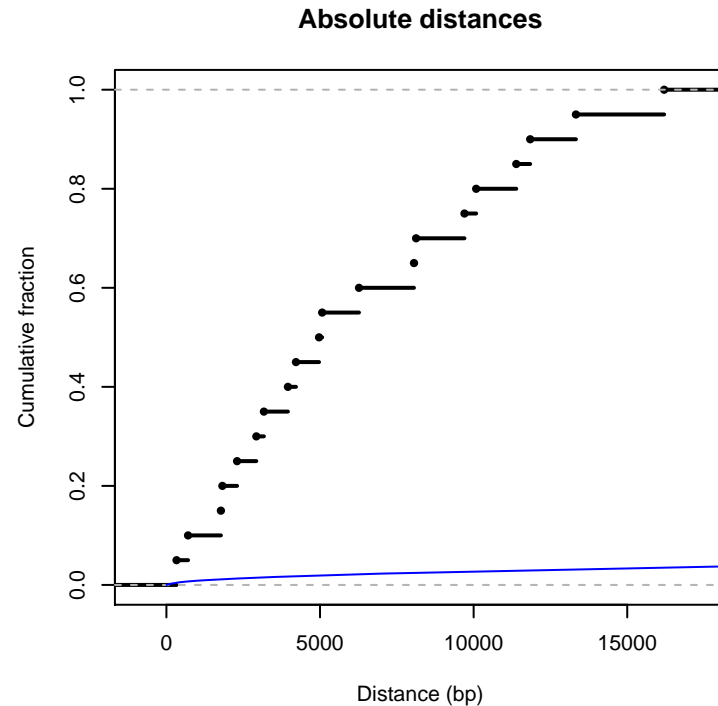
pcontig_120

Query population : 16
Reference population : 64
Relative Ks p-value : 0.76764
Relative ecdf deviation area : 0.0205939
Relative ecdf area correlation : 0.0483983
Relative ecdf deviation area p-value : 0.89
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 4.25033e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 21.9453



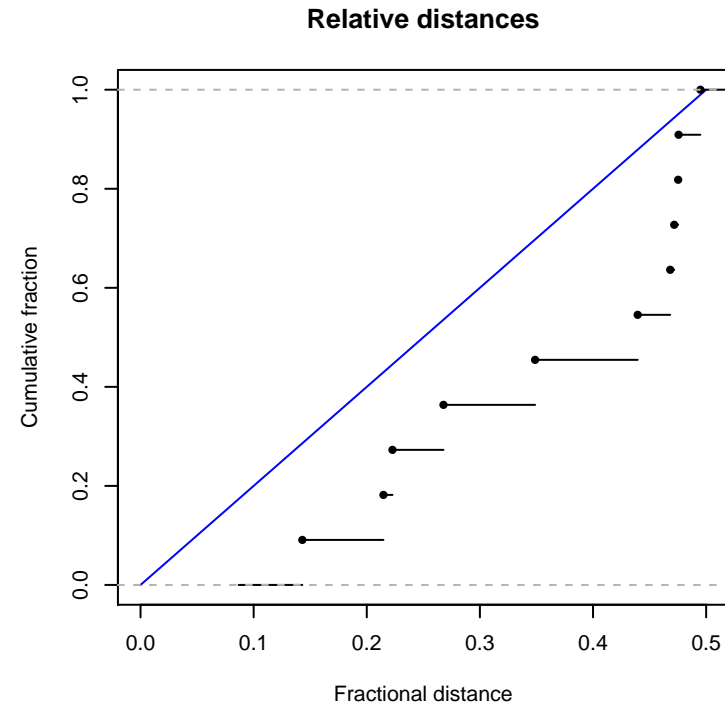
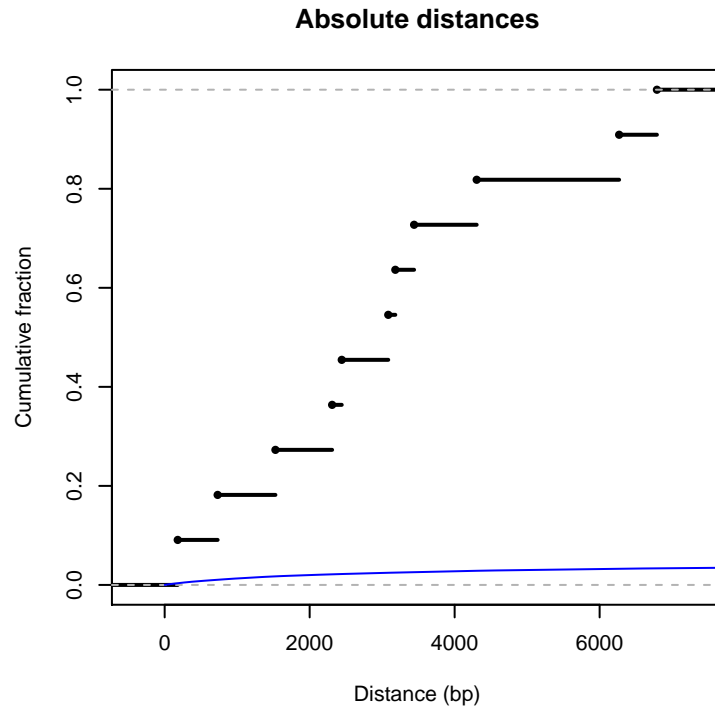
pcontig_129

Query population : 20
Reference population : 34
Relative Ks p-value : 0.42275
Relative ecdf deviation area : 0.0423519
Relative ecdf area correlation : 0.169681
Relative ecdf deviation area p-value : 0.26
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.07
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00090735
Projection test lower tail : FALSE
Projection test observed to expected ratio : 10.3568



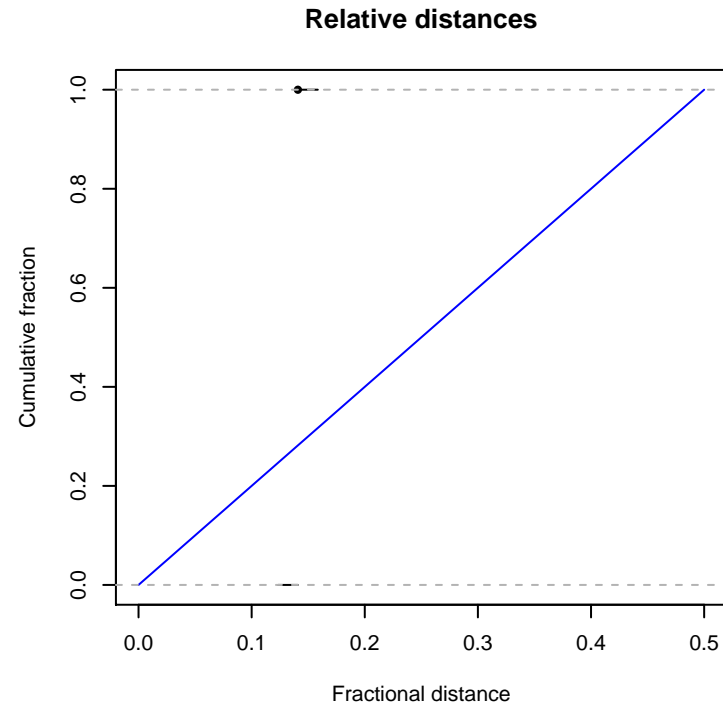
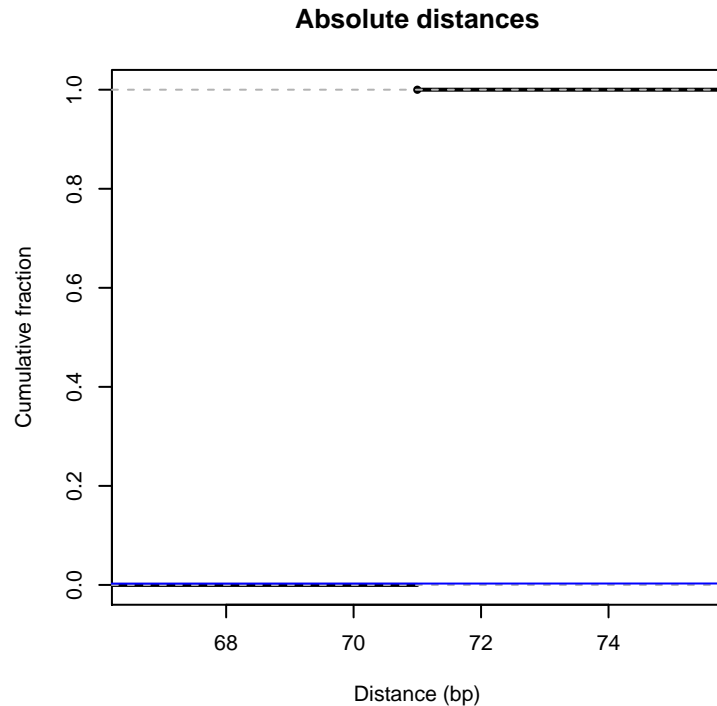
pcontig_130

Query population : 11
Reference population : 36
Relative Ks p-value : 0.0258897
Relative ecdf deviation area : 0.115922
Relative ecdf area correlation : -0.462671
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <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 : 40.9535



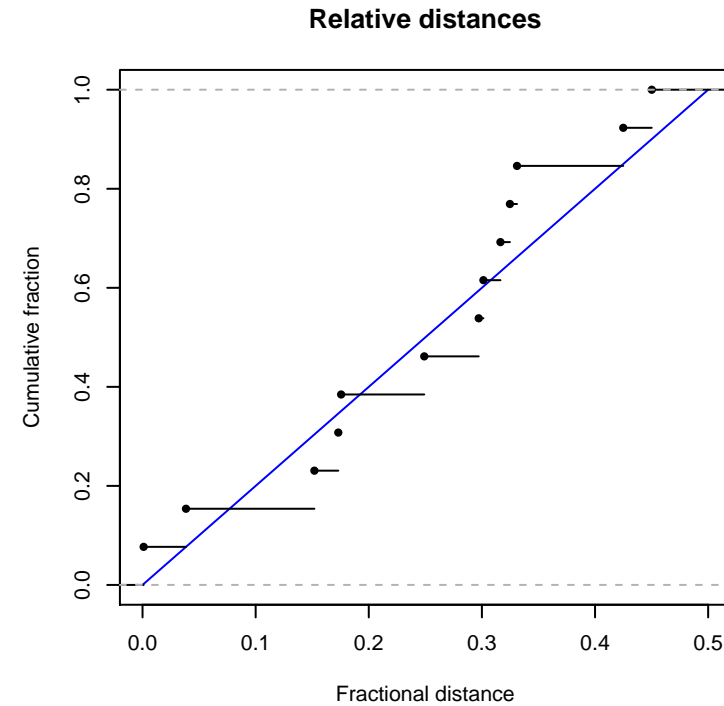
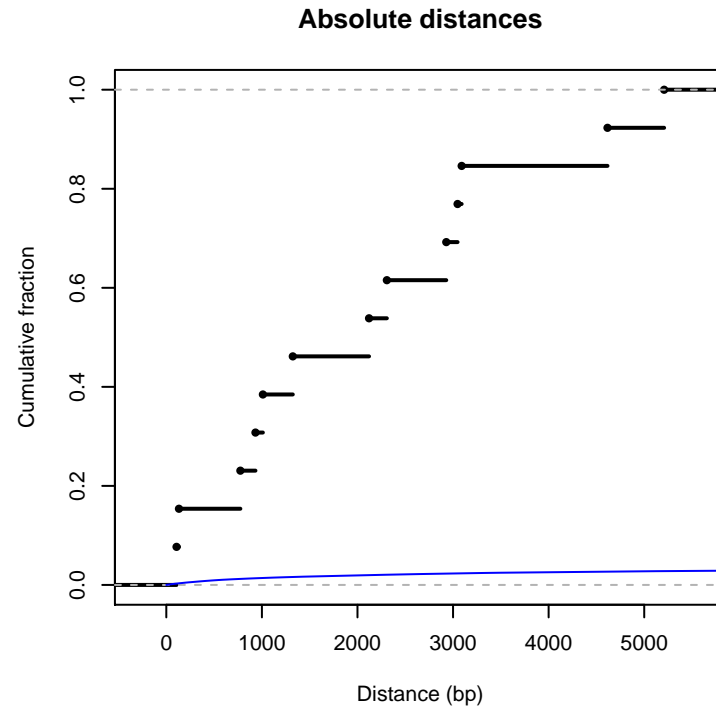
pcontig_134

Query population : 1
Reference population : 69
Relative Ks p-value : 0.563492
Relative ecdf deviation area : 0.148922
Relative ecdf area correlation : 0.436508
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 : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 35.2867



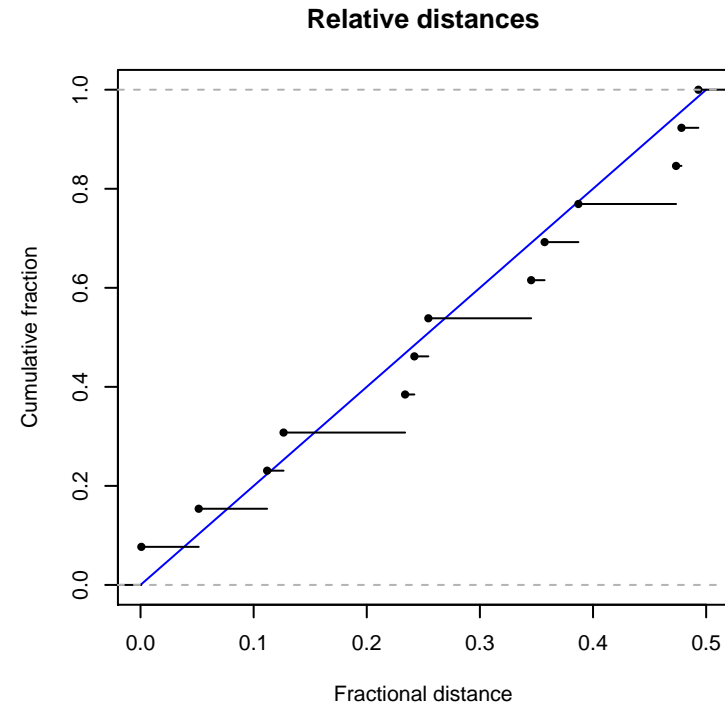
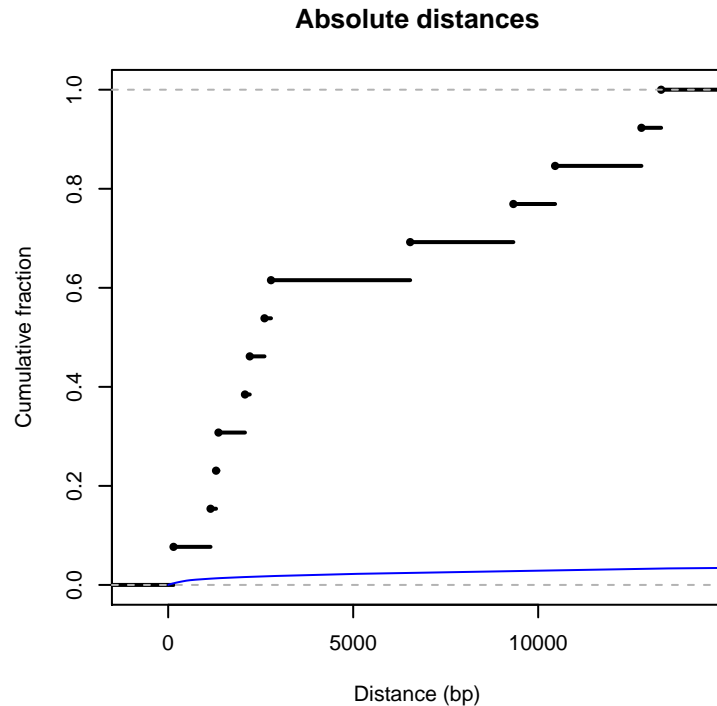
pcontig_138

Query population : 13
Reference population : 48
Relative Ks p-value : 0.705244
Relative ecdf deviation area : 0.0317177
Relative ecdf area correlation : 0.00466937
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 : 0.03
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000251609
Projection test lower tail : FALSE
Projection test observed to expected ratio : 15.6659



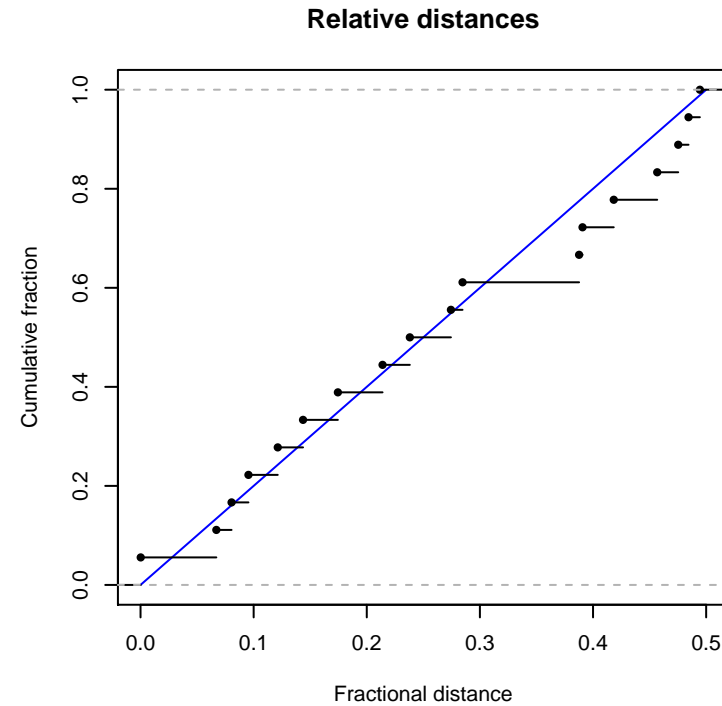
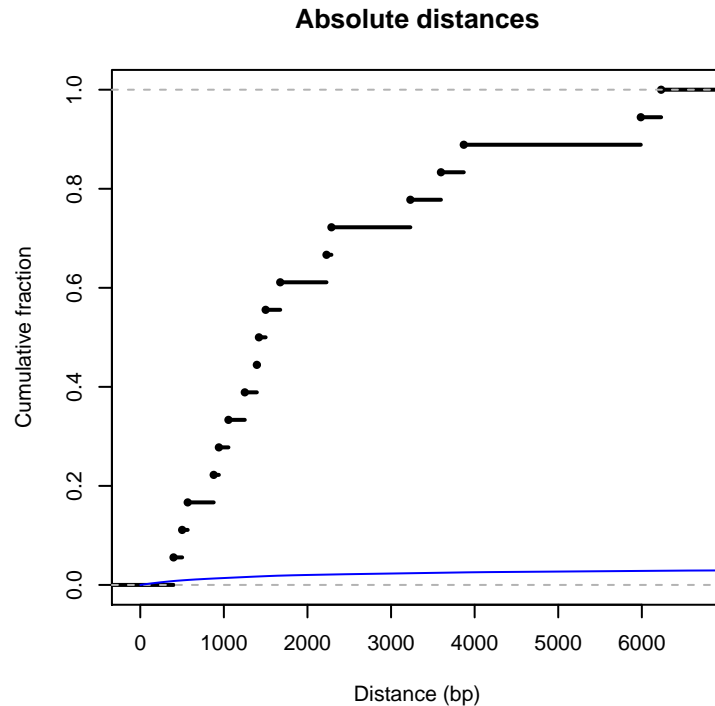
pcontig_139

Query population : 13
Reference population : 45
Relative Ks p-value : 0.74447
Relative ecdf deviation area : 0.029964
Relative ecdf area correlation : -0.0939192
Relative ecdf deviation area p-value : 0.79
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.87037e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 36.2245



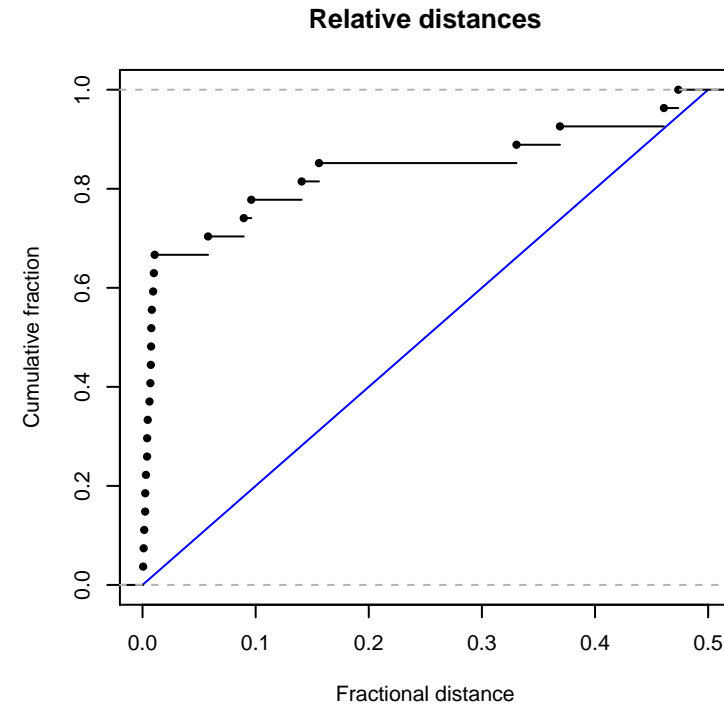
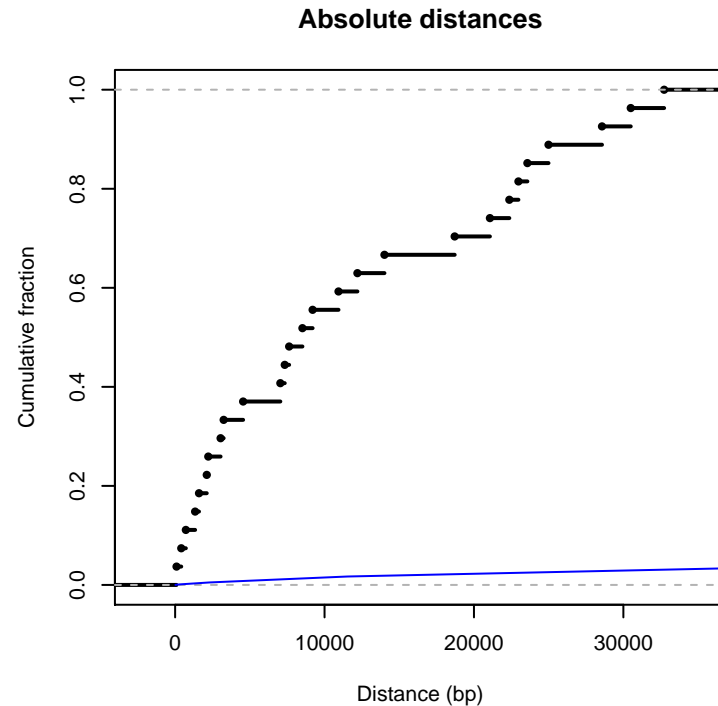
pcontig_140

Query population : 18
Reference population : 40
Relative Ks p-value : 0.657408
Relative ecdf deviation area : 0.0221233
Relative ecdf area correlation : -0.0669475
Relative ecdf deviation area p-value : 0.83
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000107149
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.7065



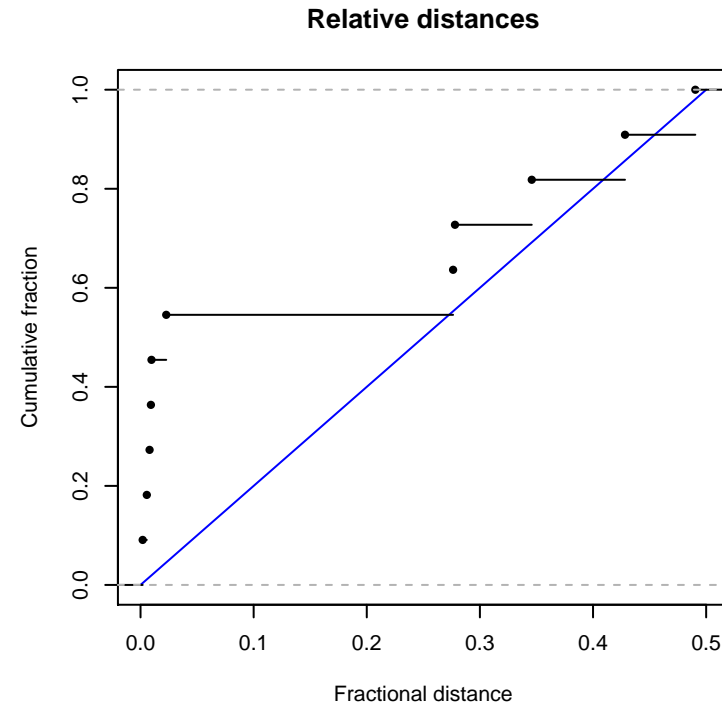
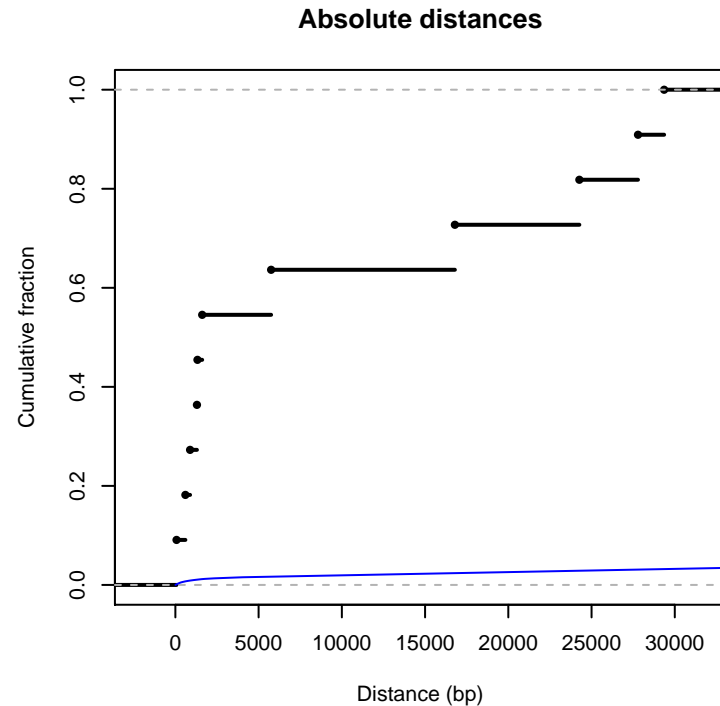
pcontig_146

Query population : 27
Reference population : 8
Relative Ks p-value : 1.74687e-11
Relative ecdf deviation area : 0.166193
Relative ecdf area correlation : 0.663437
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000705541
Projection test lower tail : FALSE
Projection test observed to expected ratio : 25.8132



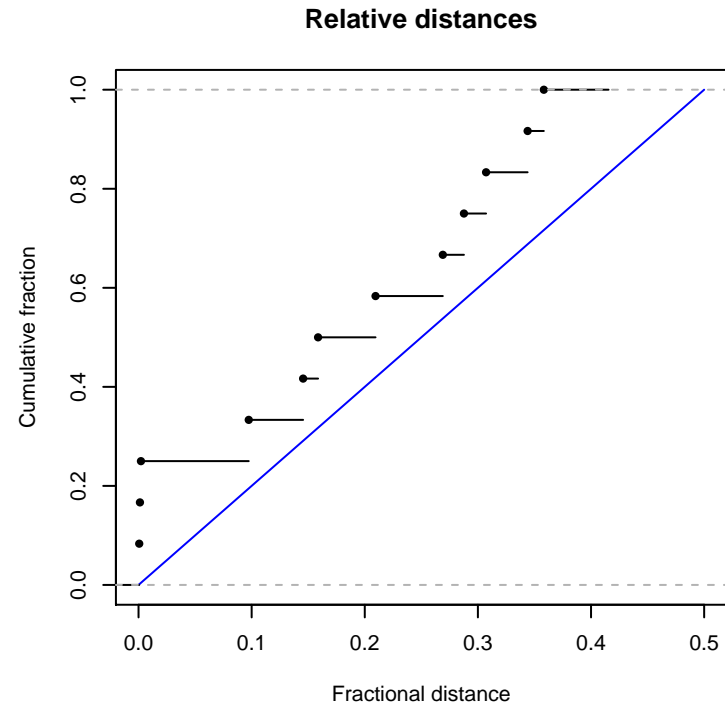
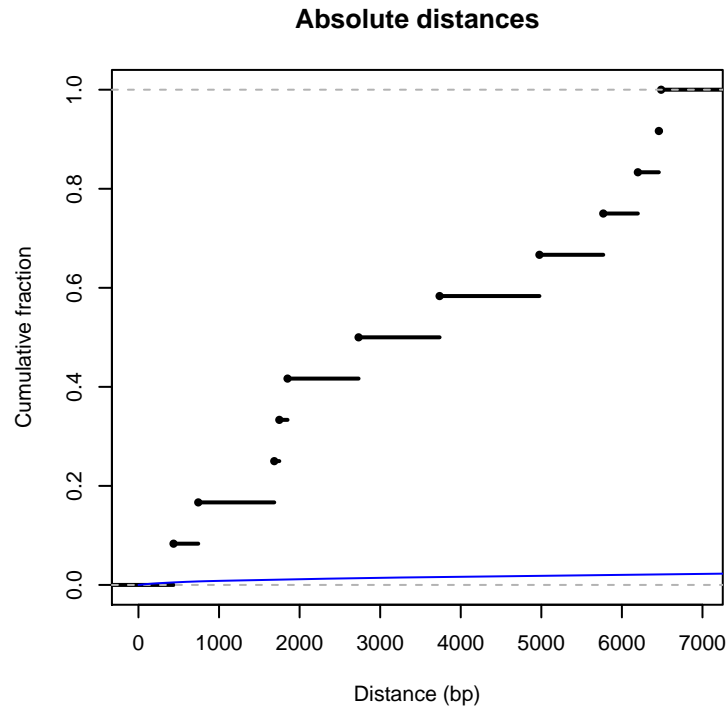
pcontig_147

Query population : 11
Reference population : 30
Relative Ks p-value : 0.00456518
Relative ecdf deviation area : 0.0826784
Relative ecdf area correlation : 0.317881
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 : 0.03
Jaccard Measure lower tail : FALSE
Projection test p-value : 6.65542e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 24.2409



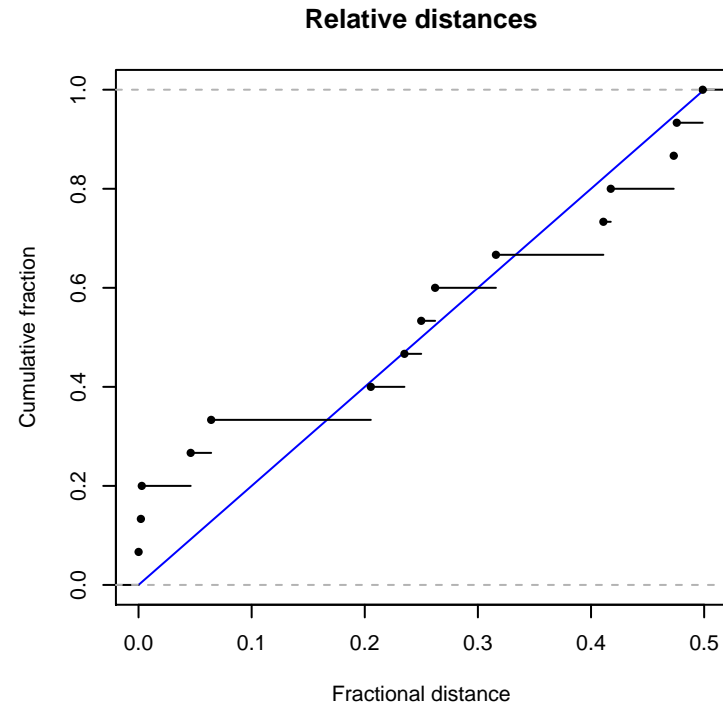
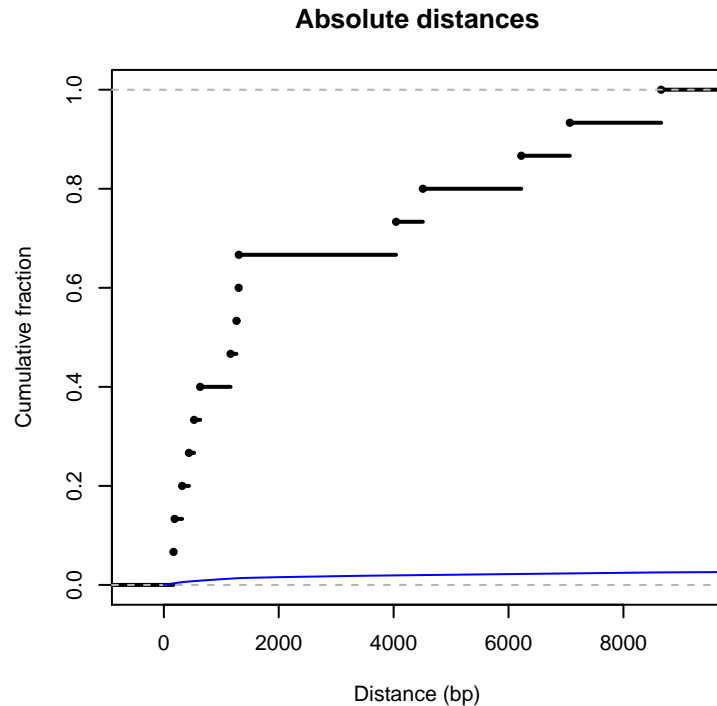
pcontig_148

Query population : 12
Reference population : 32
Relative Ks p-value : 0.240079
Relative ecdf deviation area : 0.0684766
Relative ecdf area correlation : 0.272904
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 : 7.94393e-10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 42.3695



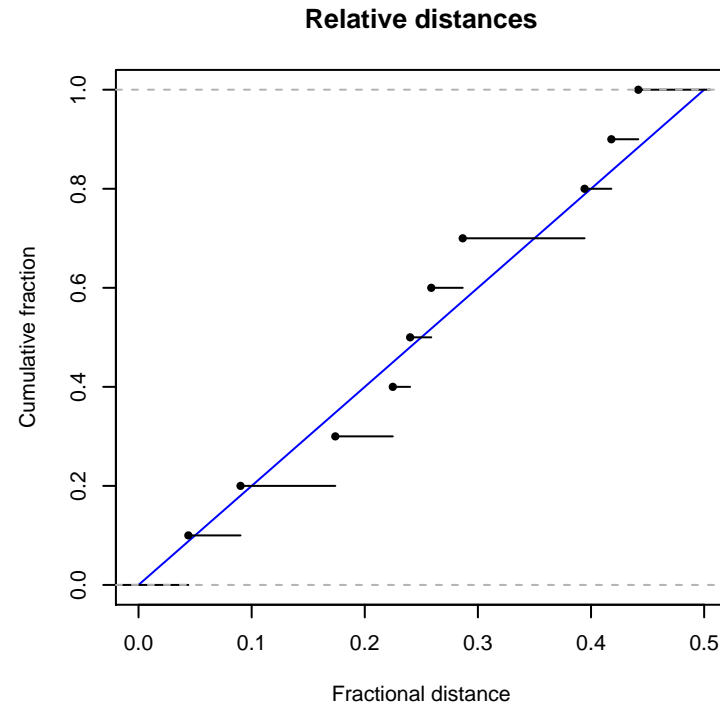
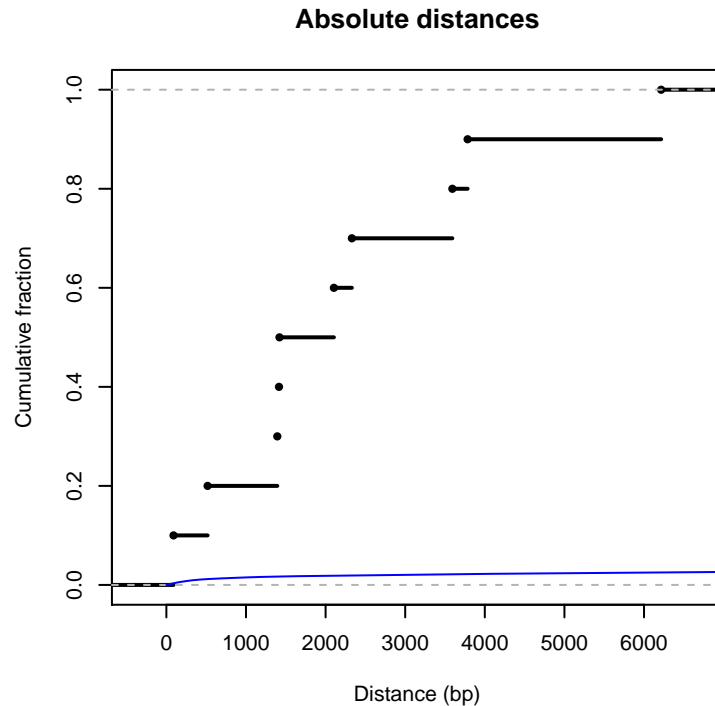
pcontig_149

Query population : 15
Reference population : 42
Relative Ks p-value : 0.49158
Relative ecdf deviation area : 0.0384663
Relative ecdf area correlation : 0.024055
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 : 1.53022e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 41.5113



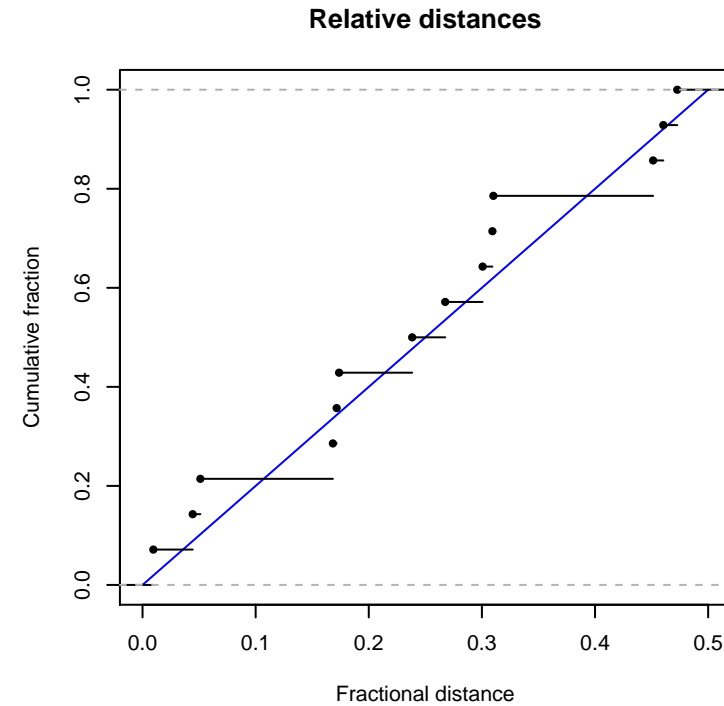
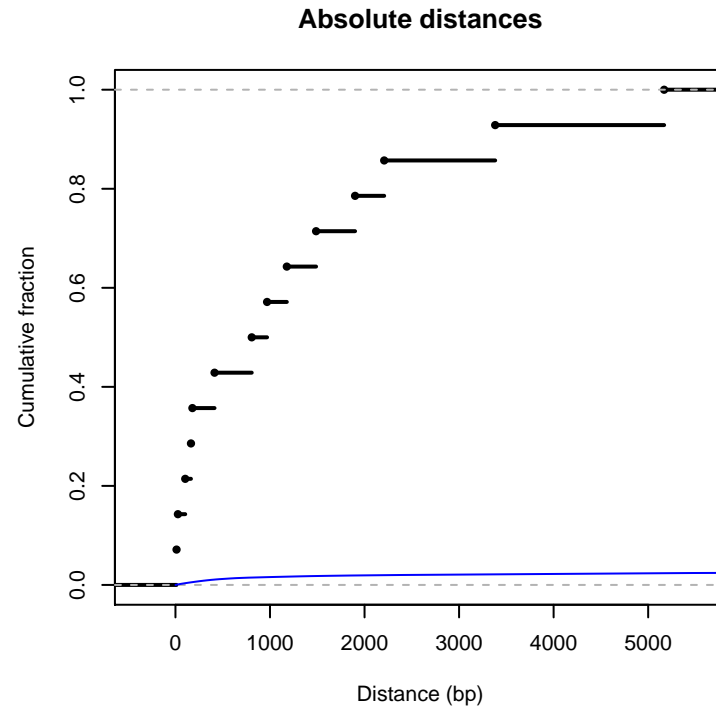
pcontig_150

Query population : 10
Reference population : 66
Relative Ks p-value : 0.955037
Relative ecdf deviation area : 0.027753
Relative ecdf area correlation : -0.0289757
Relative ecdf deviation area p-value : 0.91
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 : 0.000274348
Projection test lower tail : FALSE
Projection test observed to expected ratio : 14.8265



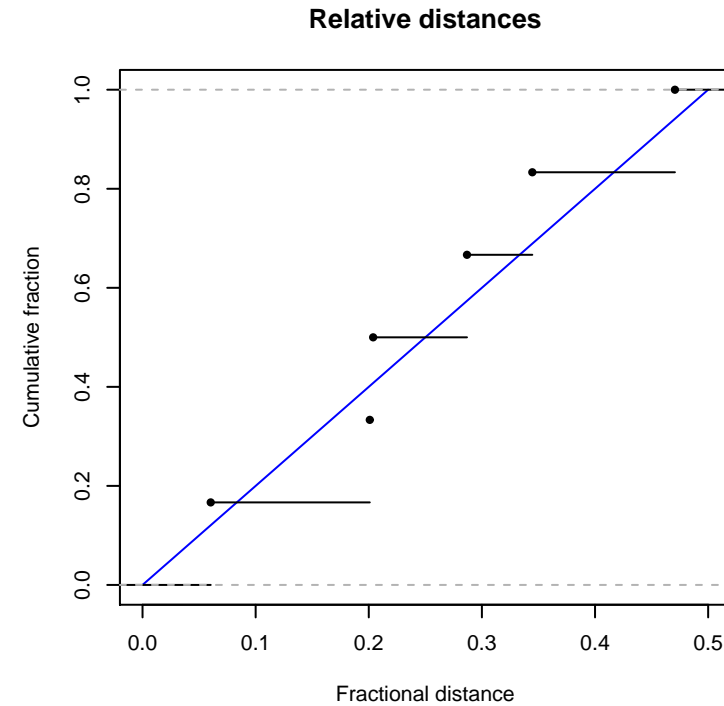
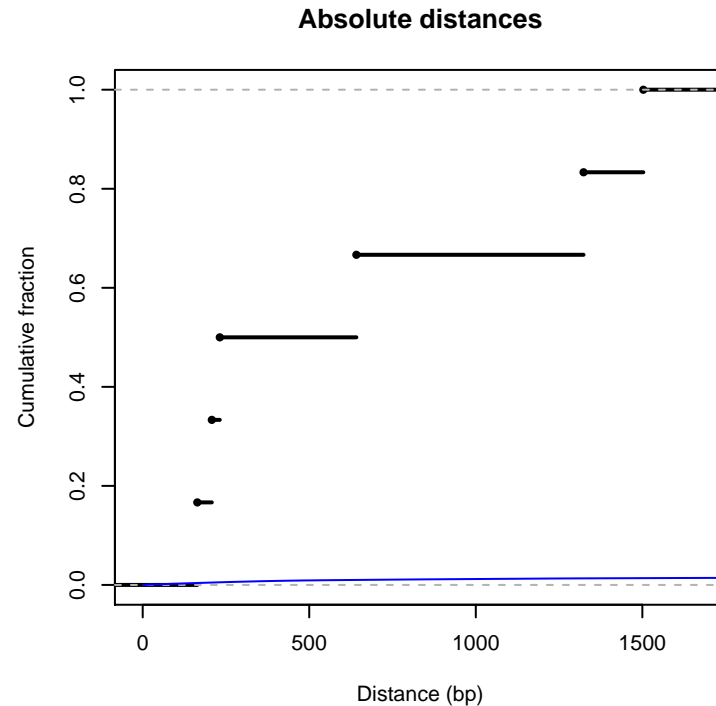
pcontig_152

Query population : 14
Reference population : 64
Relative Ks p-value : 0.781288
Relative ecdf deviation area : 0.0239383
Relative ecdf area correlation : 0.0202621
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 : 4.63544e-10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 29.1676



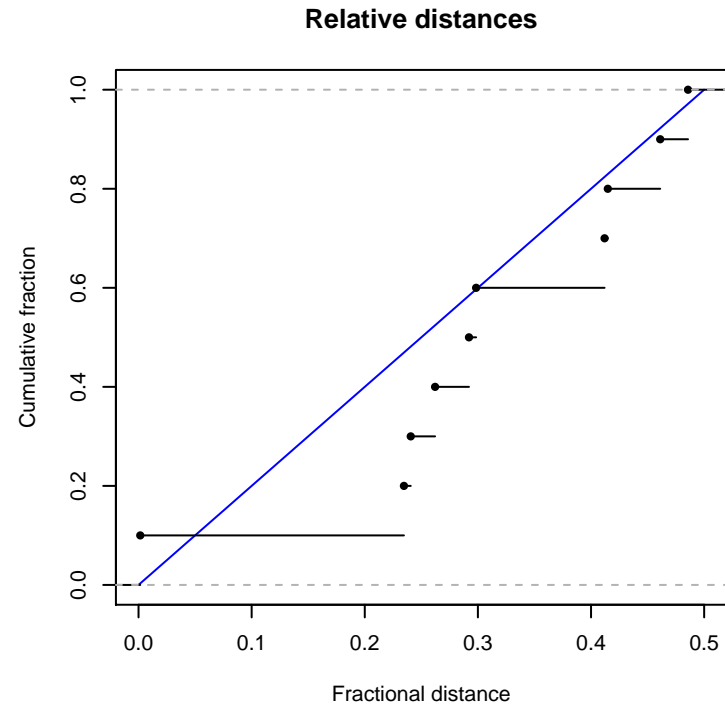
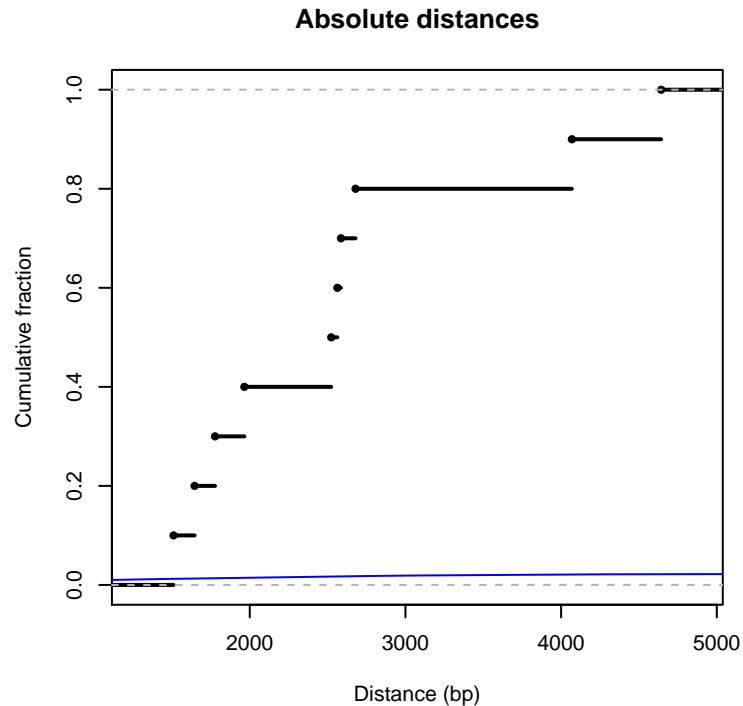
pcontig_154

Query population : 6
Reference population : 46
Relative Ks p-value : 0.827195
Relative ecdf deviation area : 0.0329144
Relative ecdf area correlation : -0.0446776
Relative ecdf deviation area p-value : 0.98
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.38085e-05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 31.1999



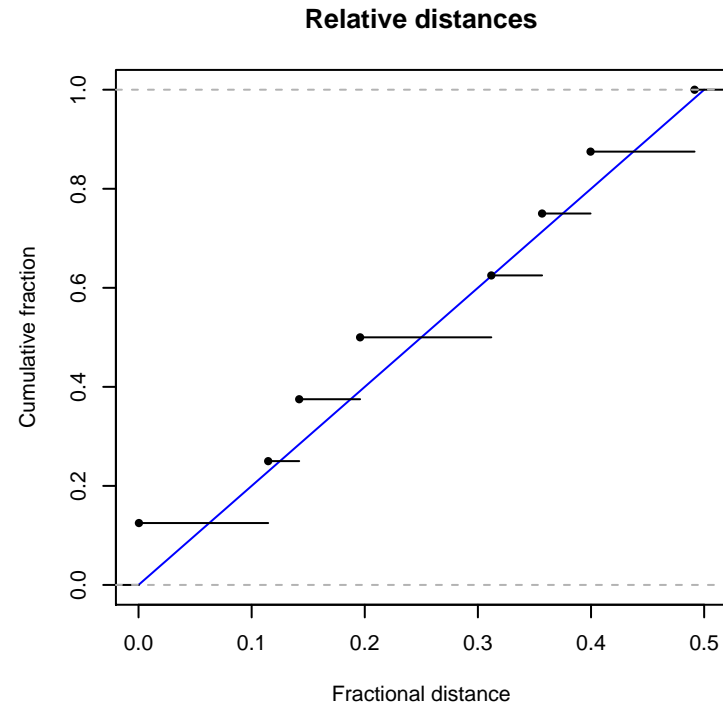
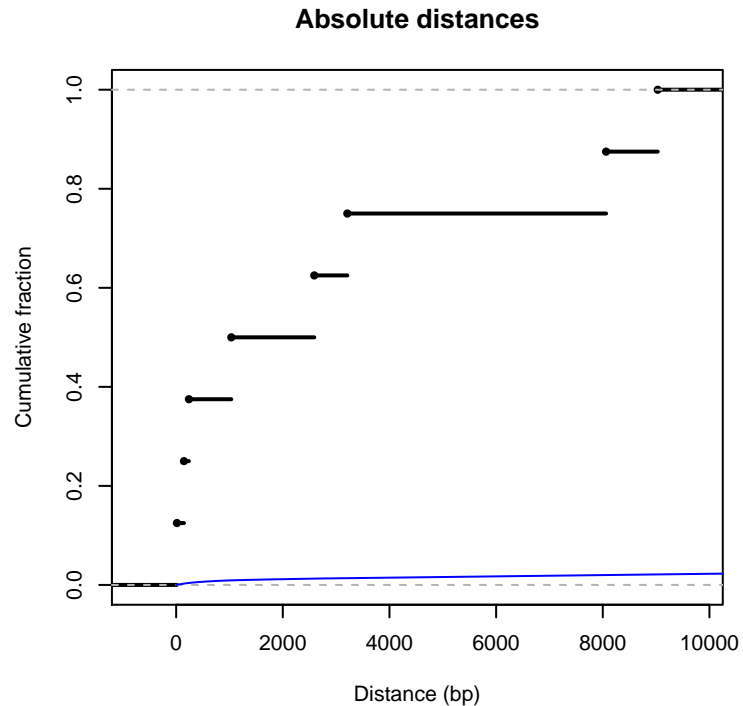
pcontig_157

Query population : 10
Reference population : 33
Relative Ks p-value : 0.0990394
Relative ecdf deviation area : 0.0653346
Relative ecdf area correlation : -0.241292
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 : 1.1724e-13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 46.4181



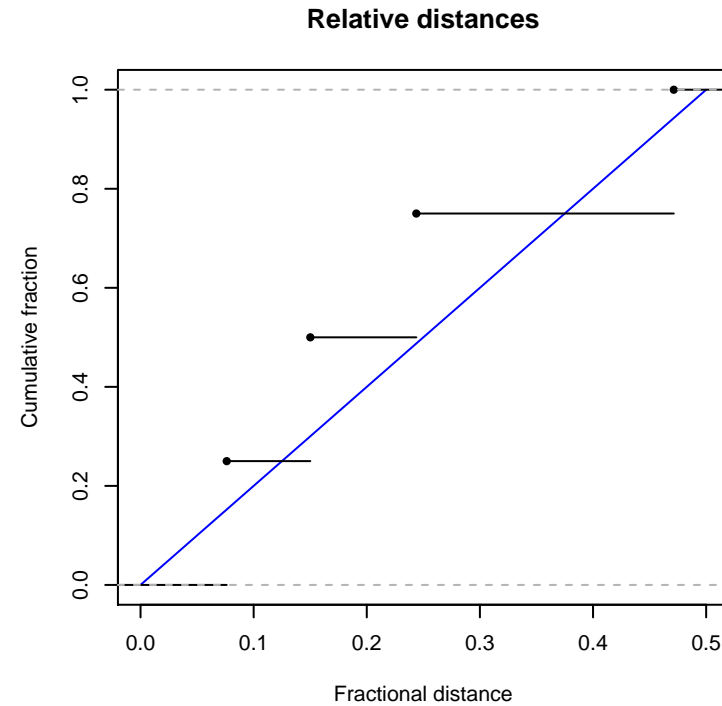
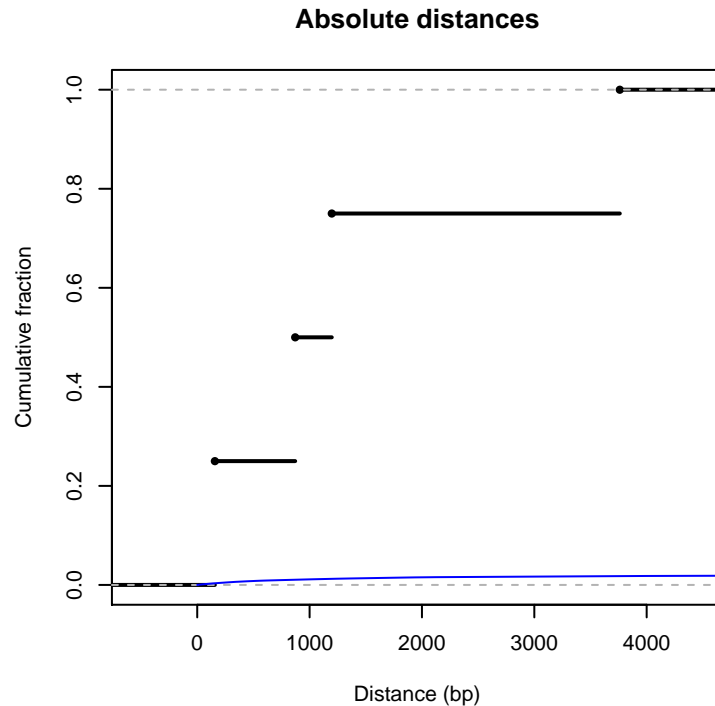
pcontig_163

Query population : 8
Reference population : 38
Relative Ks p-value : 0.9978
Relative ecdf deviation area : 0.0231609
Relative ecdf area correlation : -0.00625702
Relative ecdf deviation area p-value : 0.99
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 : 2.93723e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 46.2913



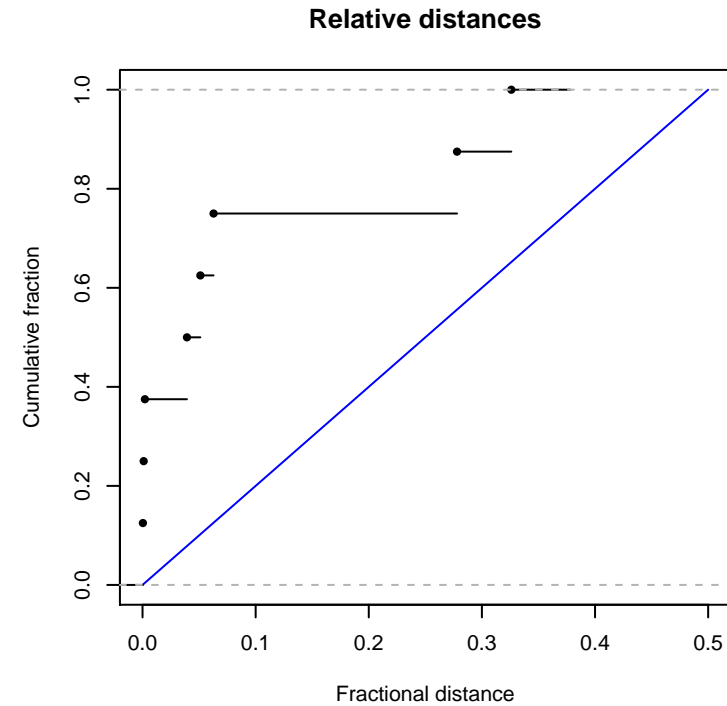
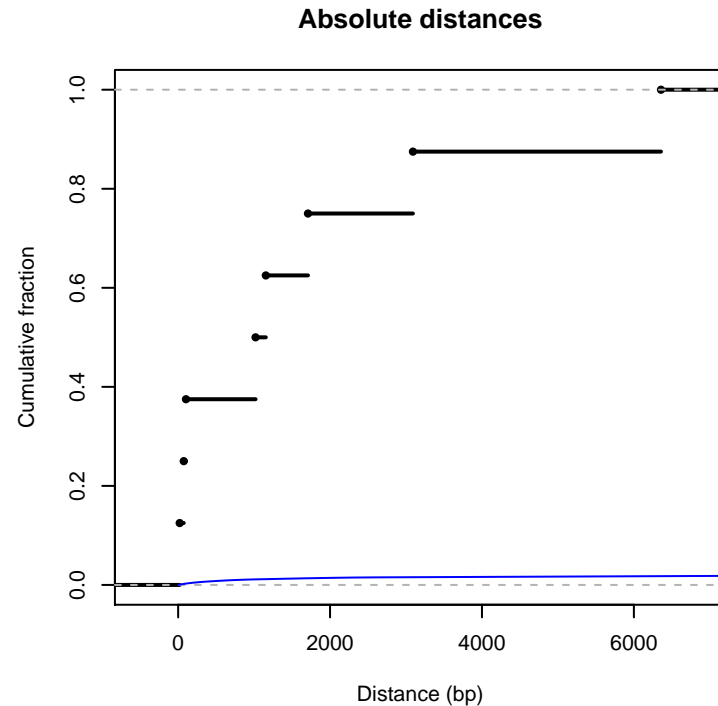
pcontig_164

Query population : 4
Reference population : 42
Relative Ks p-value : 0.876681
Relative ecdf deviation area : 0.0459727
Relative ecdf area correlation : 0.0585425
Relative ecdf deviation area p-value : 0.86
Scaled Absolute min. distance p-value : <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 : 72.547



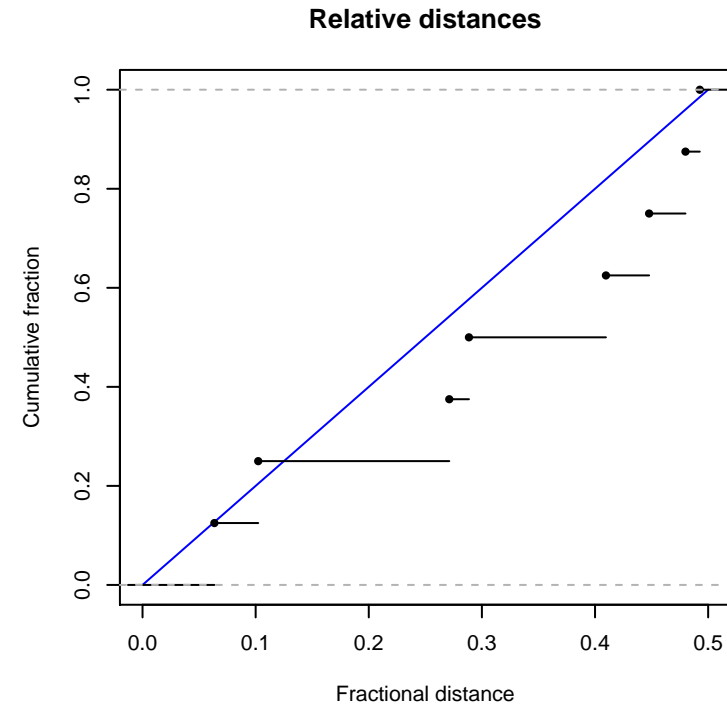
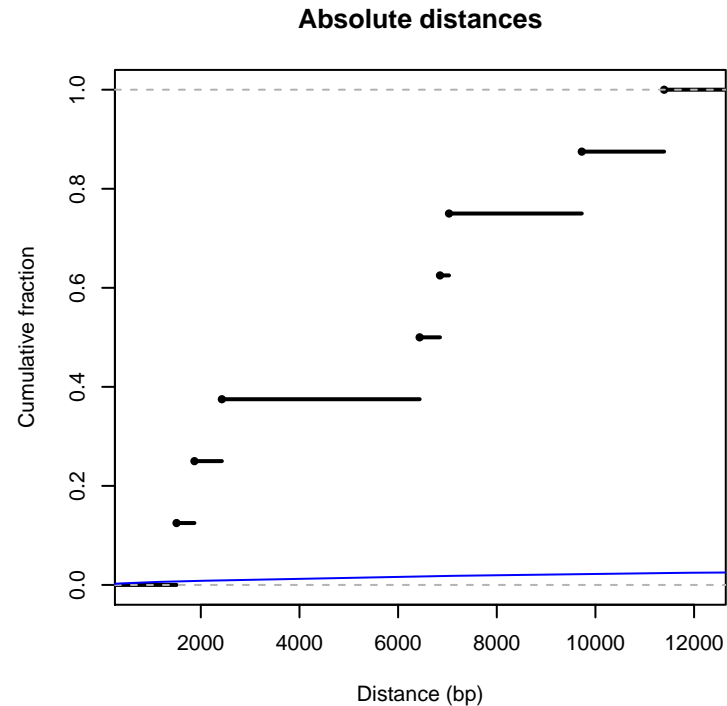
pcontig_165

Query population : 8
Reference population : 51
Relative Ks p-value : 0.00153132
Relative ecdf deviation area : 0.155236
Relative ecdf area correlation : 0.619654
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 8.33608e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 45.9241



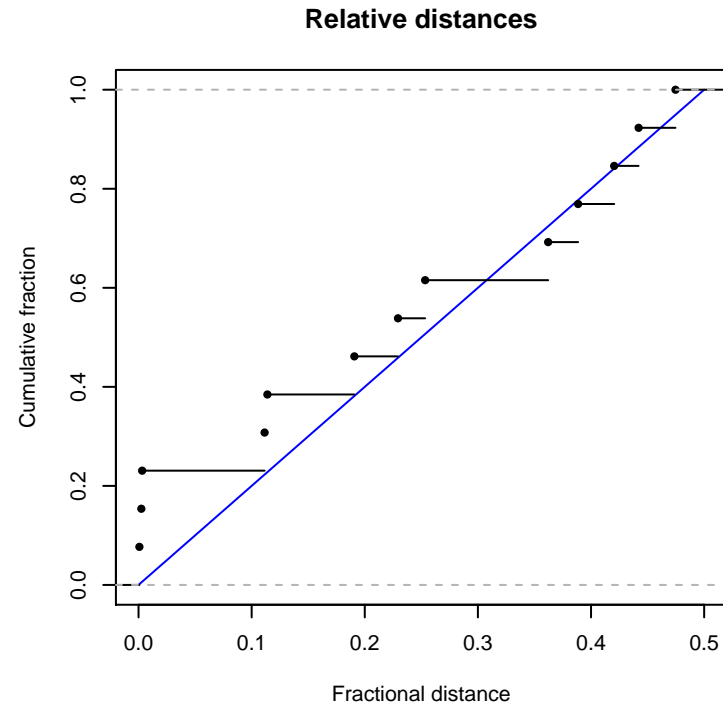
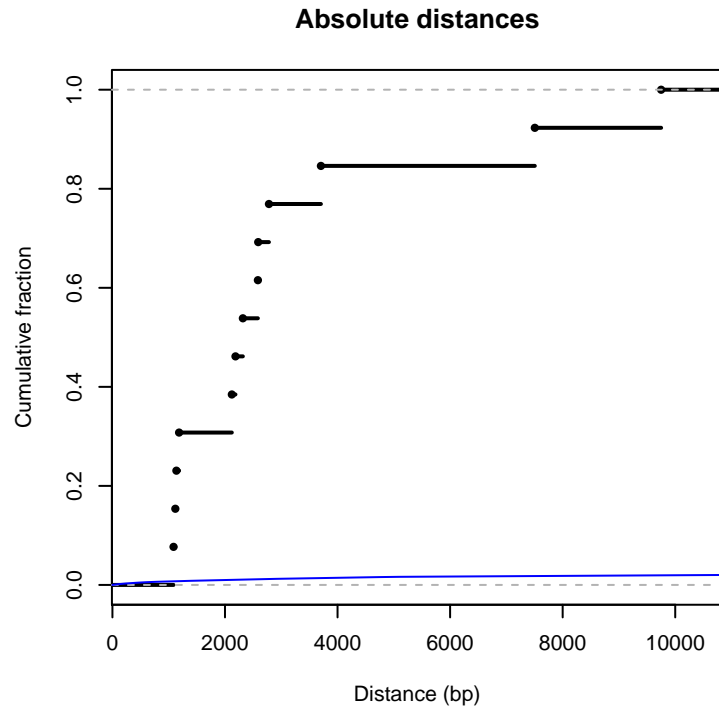
pcontig_166

Query population : 8
Reference population : 17
Relative Ks p-value : 0.317241
Relative ecdf deviation area : 0.0705574
Relative ecdf area correlation : -0.27778
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 : 0.06000000000000001
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0426892
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



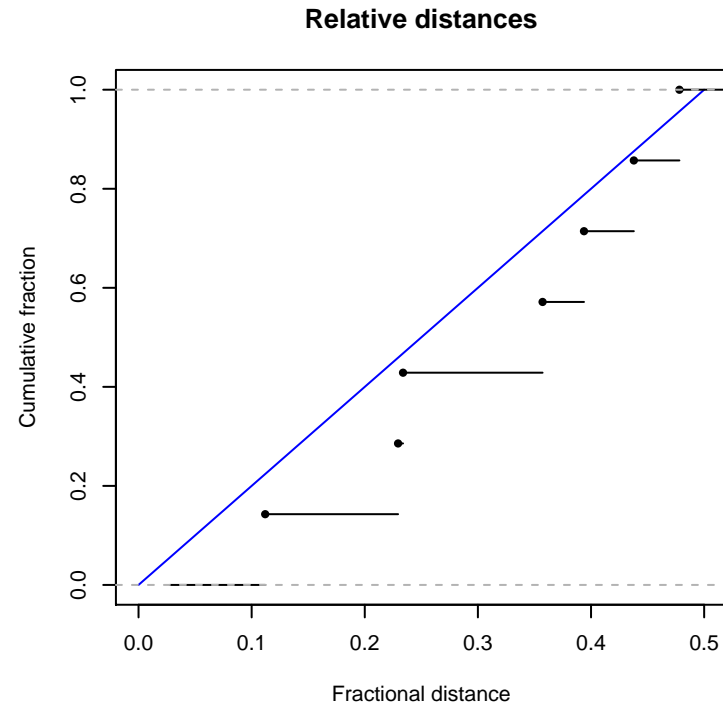
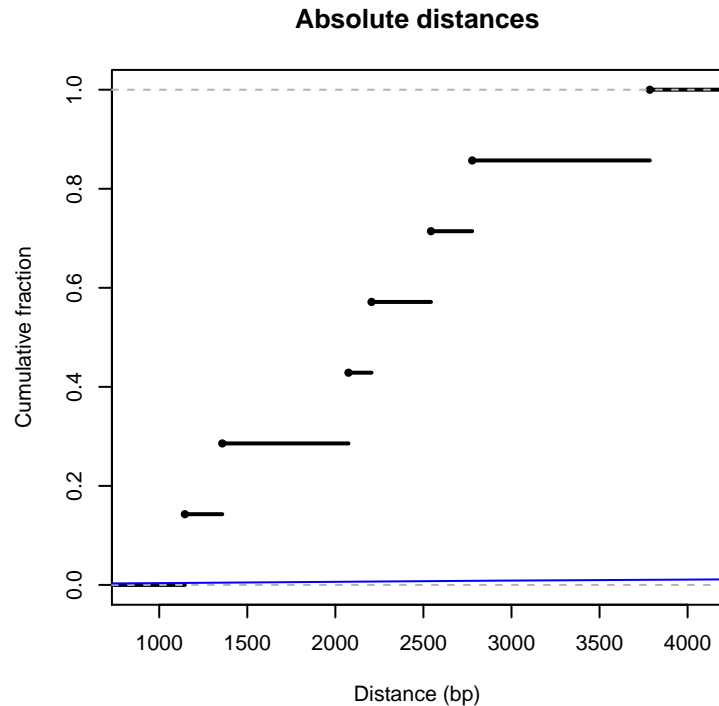
pcontig_170

Query population : 13
Reference population : 25
Relative Ks p-value : 0.463491
Relative ecdf deviation area : 0.0325435
Relative ecdf area correlation : 0.0790197
Relative ecdf deviation area p-value : 0.68
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.53597e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 43.3001



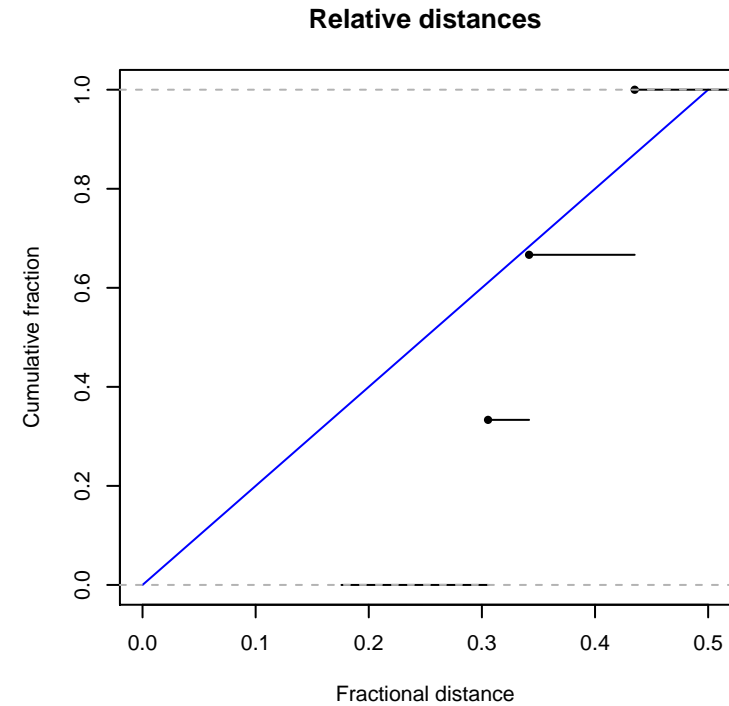
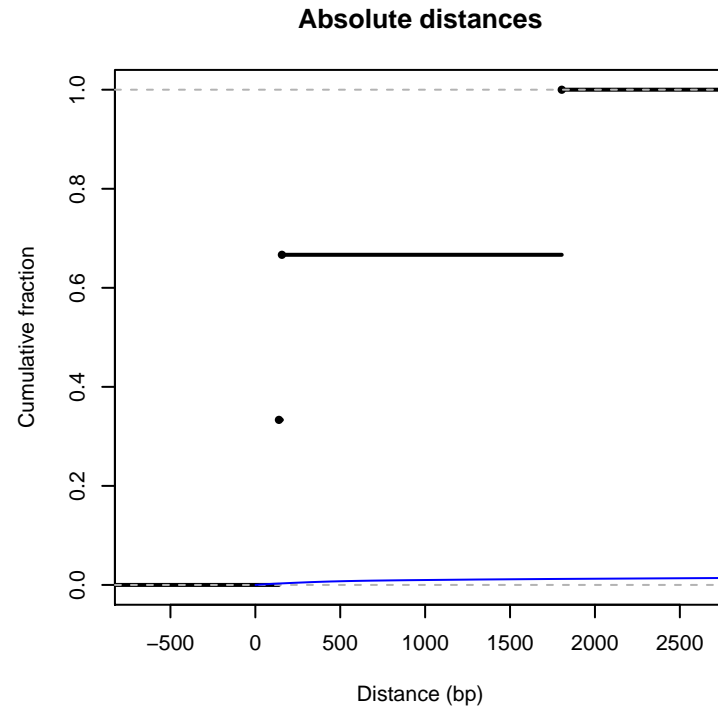
pcontig_171

Query population : 7
Reference population : 13
Relative Ks p-value : 0.403378
Relative ecdf deviation area : 0.0713951
Relative ecdf area correlation : -0.281238
Relative ecdf deviation area p-value : 0.32
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.10201e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 97.1028



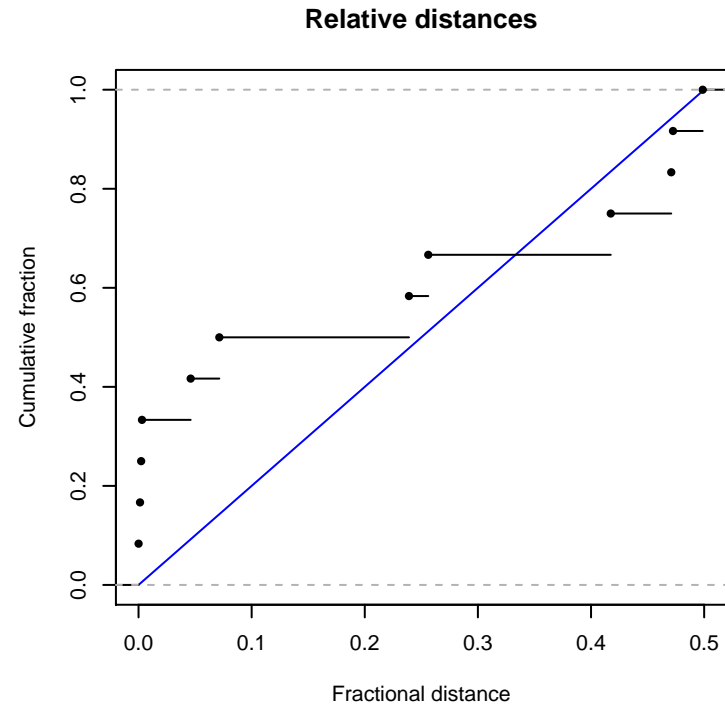
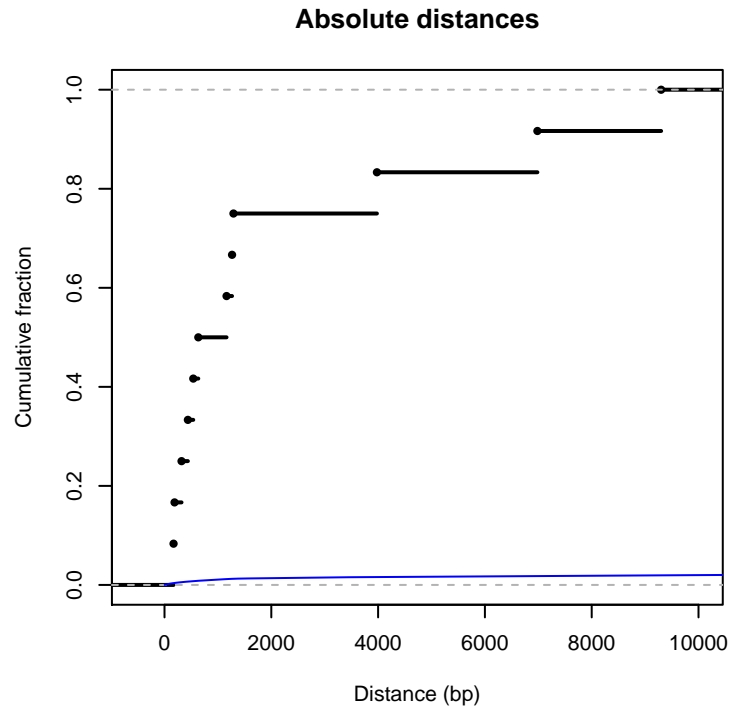
pcontig_172

Query population : 3
Reference population : 40
Relative Ks p-value : 0.129261
Relative ecdf deviation area : 0.118858
Relative ecdf area correlation : -0.442922
Relative ecdf deviation area p-value : 0.15
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 62.9765



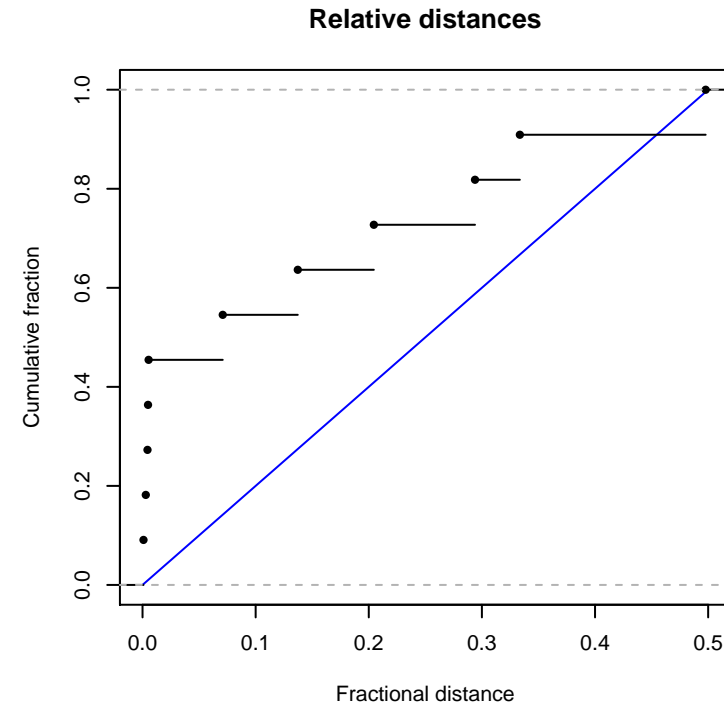
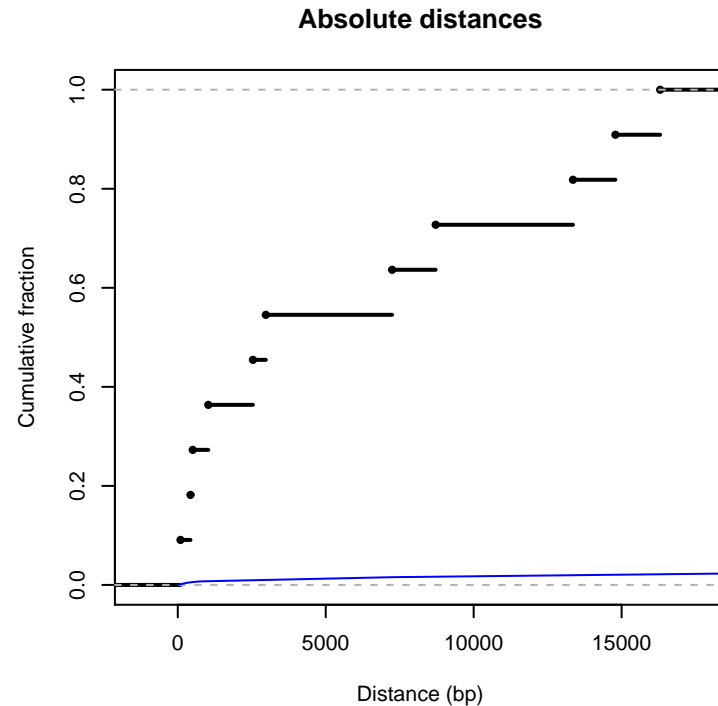
pcontig_173

Query population : 12
Reference population : 45
Relative Ks p-value : 0.070904
Relative ecdf deviation area : 0.0758361
Relative ecdf area correlation : 0.173673
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 : 1.108e-13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 52.4847



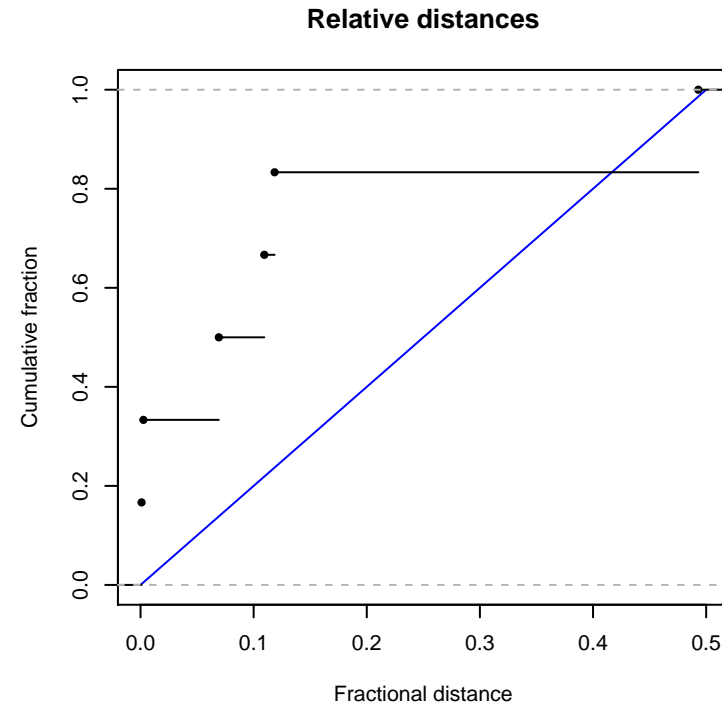
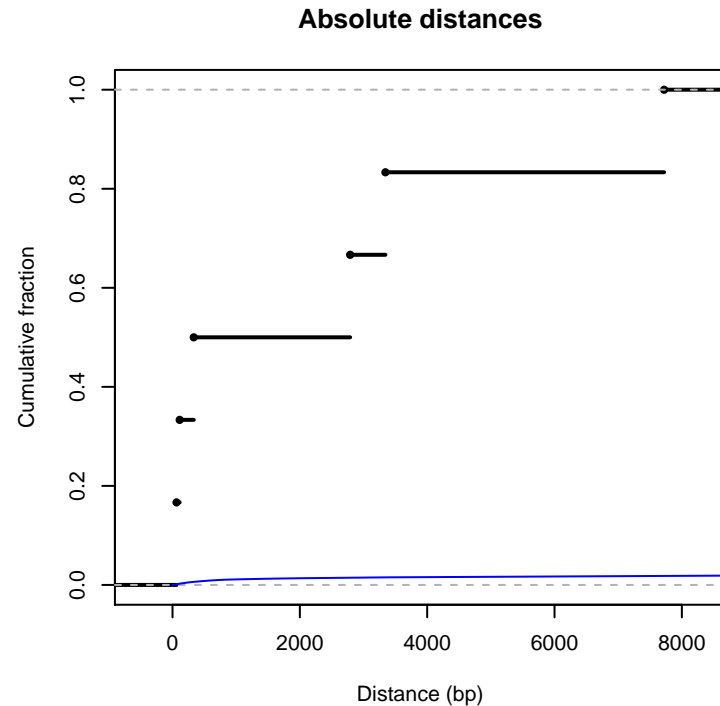
pcontig_174

Query population : 11
Reference population : 34
Relative Ks p-value : 0.0171456
Relative ecdf deviation area : 0.112746
Relative ecdf area correlation : 0.434095
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 6.15294e-09
Projection test lower tail : FALSE
Projection test observed to expected ratio : 54.0568



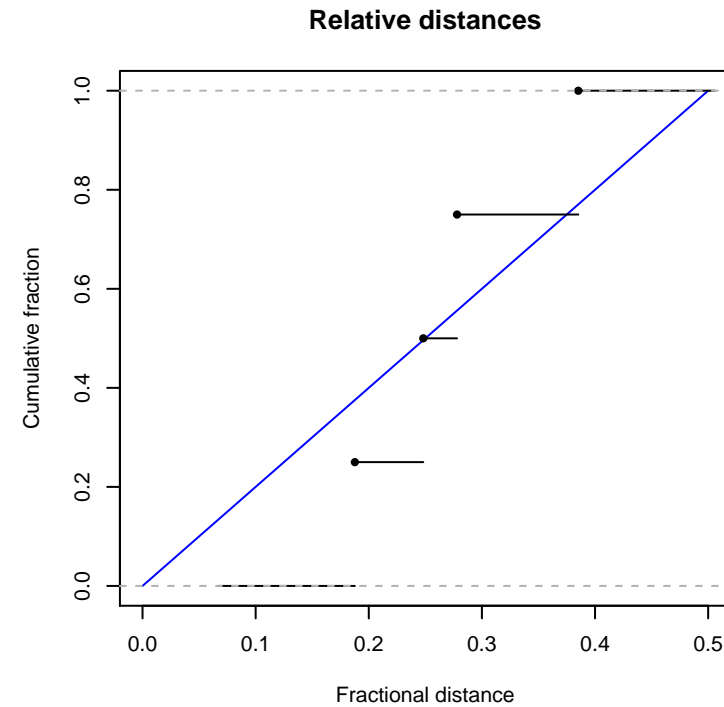
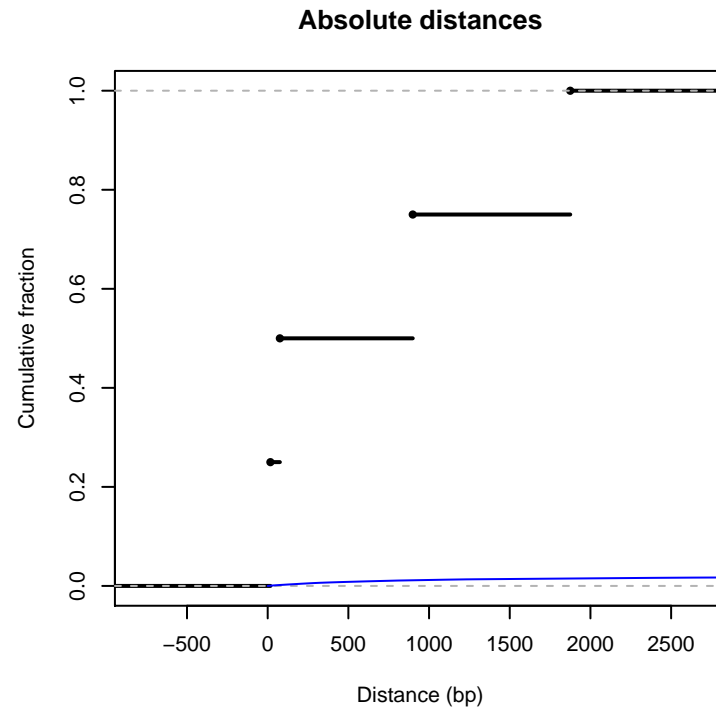
pcontig_176

Query population : 6
Reference population : 46
Relative Ks p-value : 0.0144273
Relative ecdf deviation area : 0.129081
Relative ecdf area correlation : 0.470844
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 : 9.54624e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 55.7792



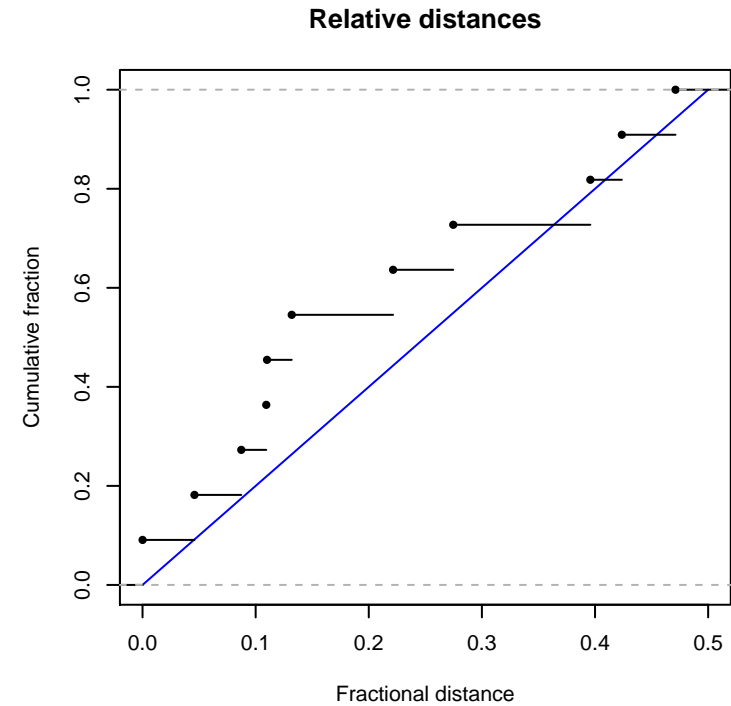
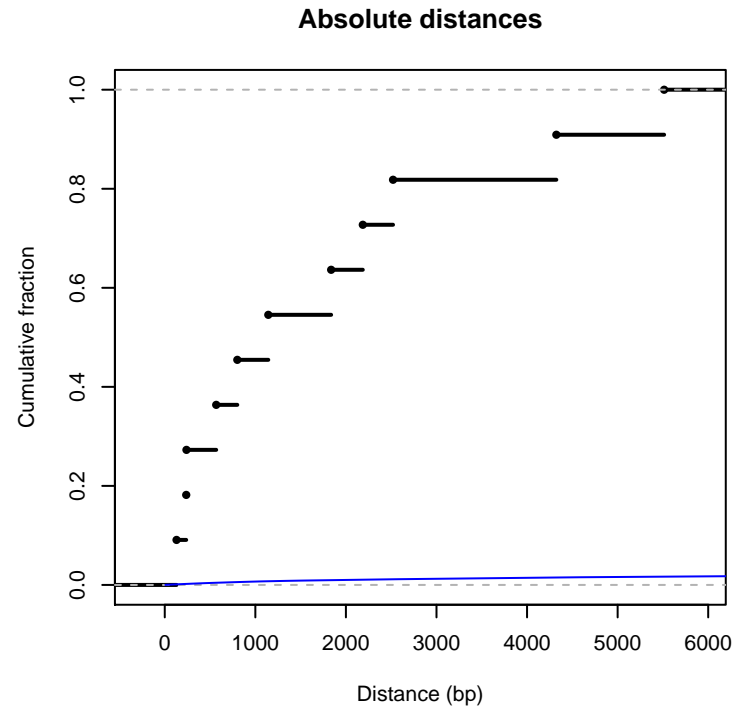
pcontig_177

Query population : 4
Reference population : 53
Relative Ks p-value : 0.518166
Relative ecdf deviation area : 0.0696468
Relative ecdf area correlation : -0.0991271
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 : 2.79444e-08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 58.008



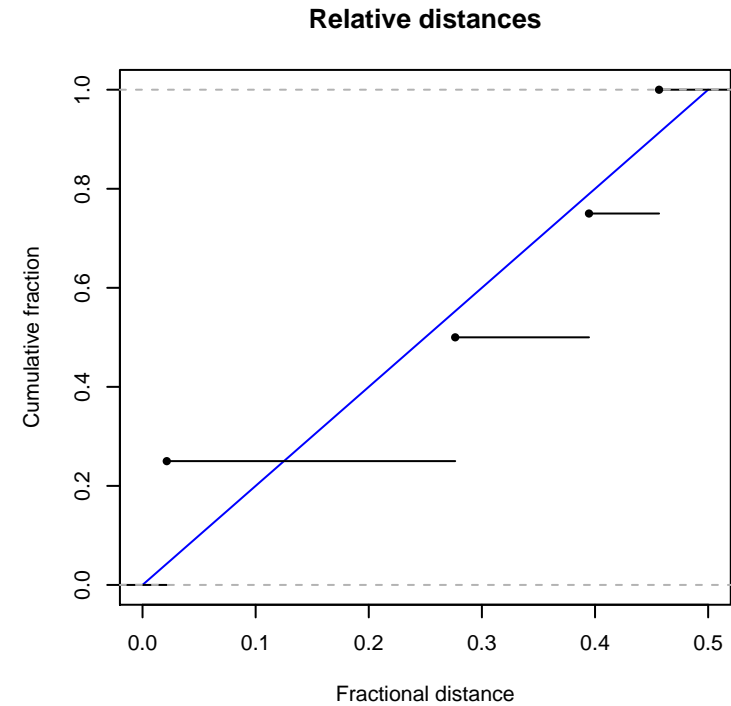
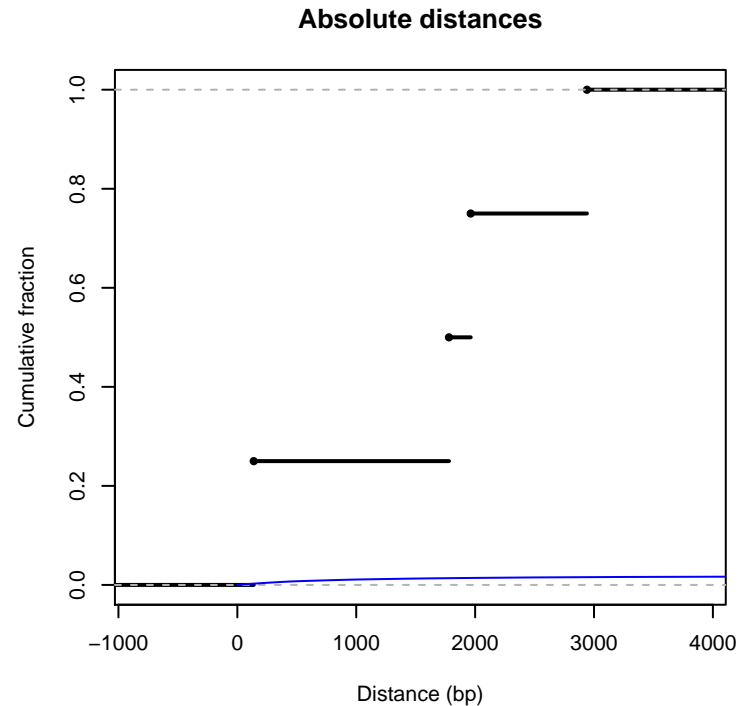
pcontig_179

Query population : 11
Reference population : 19
Relative Ks p-value : 0.289489
Relative ecdf deviation area : 0.0465014
Relative ecdf area correlation : 0.174012
Relative ecdf deviation area p-value : 0.41
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.46388e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 59.043



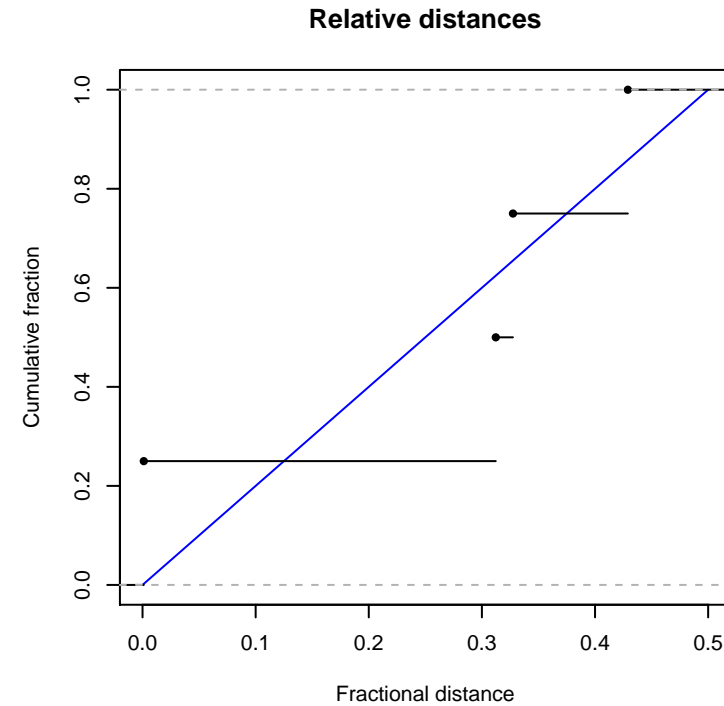
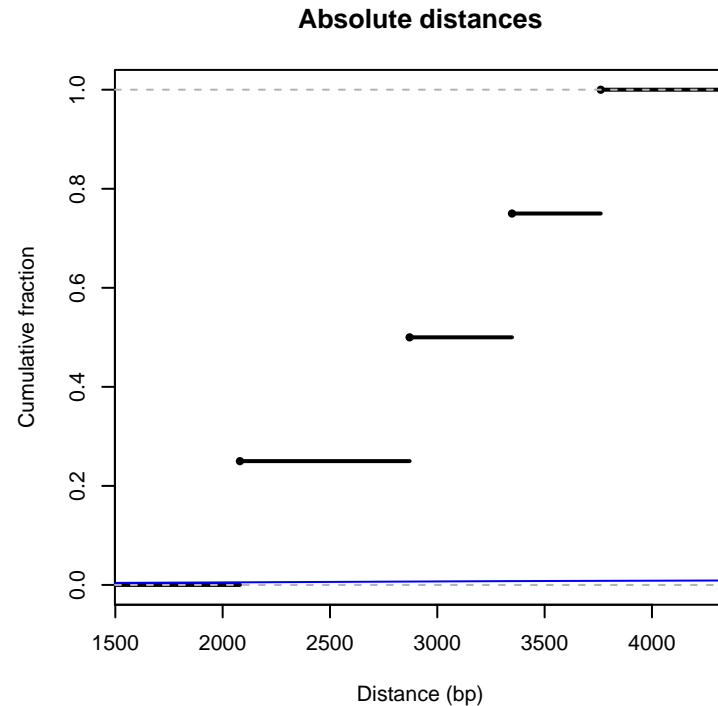
pcontig_181

Query population : 4
Reference population : 33
Relative Ks p-value : 0.762099
Relative ecdf deviation area : 0.0626994
Relative ecdf area correlation : -0.149078
Relative ecdf deviation area p-value : 0.73
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 82.8023



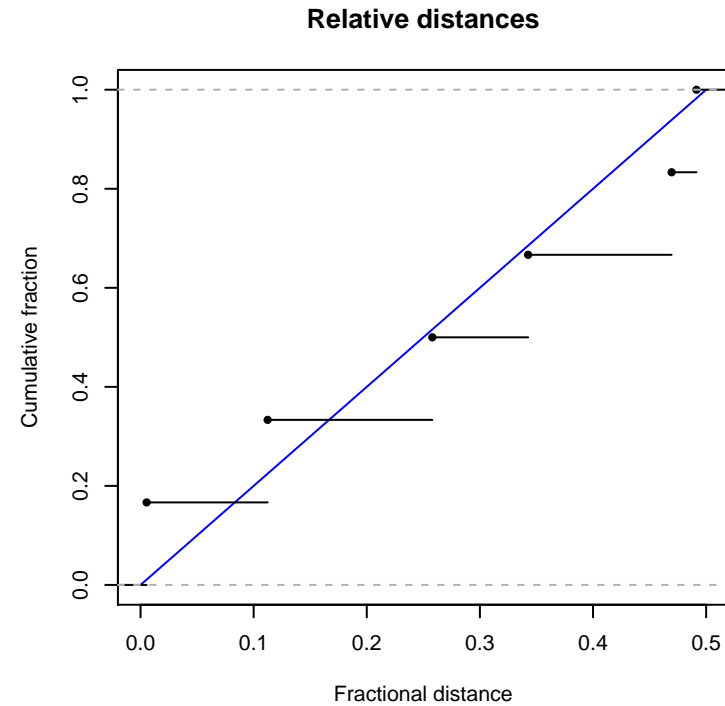
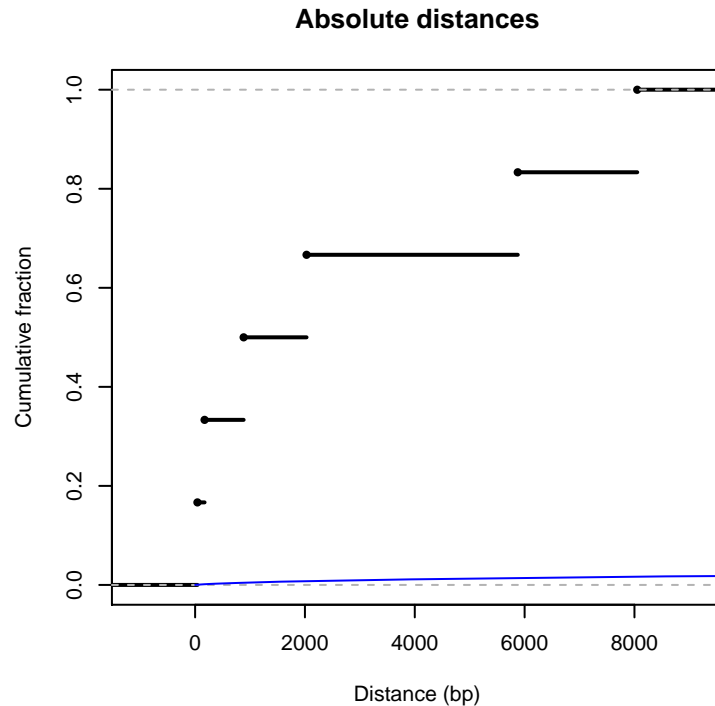
pcontig_185

Query population : 4
Reference population : 7
Relative Ks p-value : 0.521083
Relative ecdf deviation area : 0.0626898
Relative ecdf area correlation : -0.0698535
Relative ecdf deviation area p-value : 0.69
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 : 0.007047
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



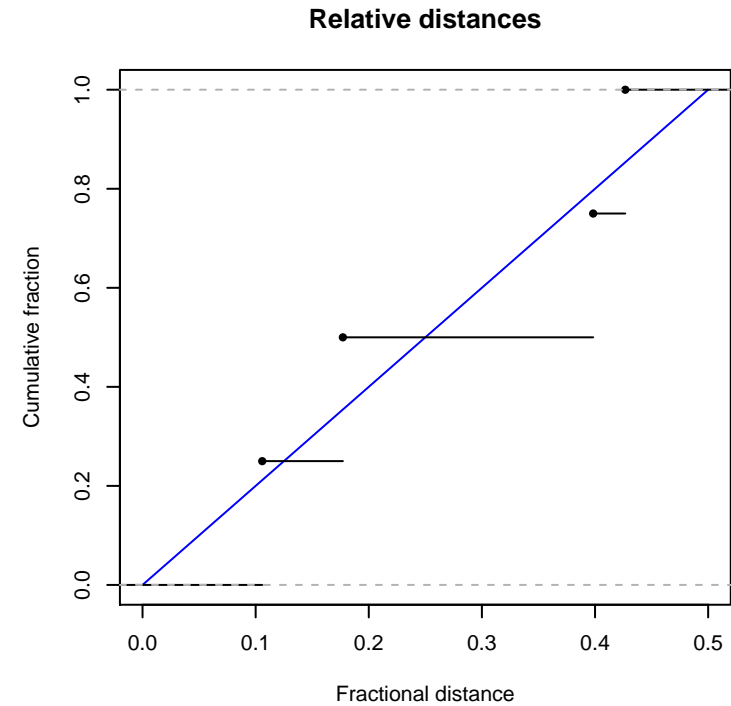
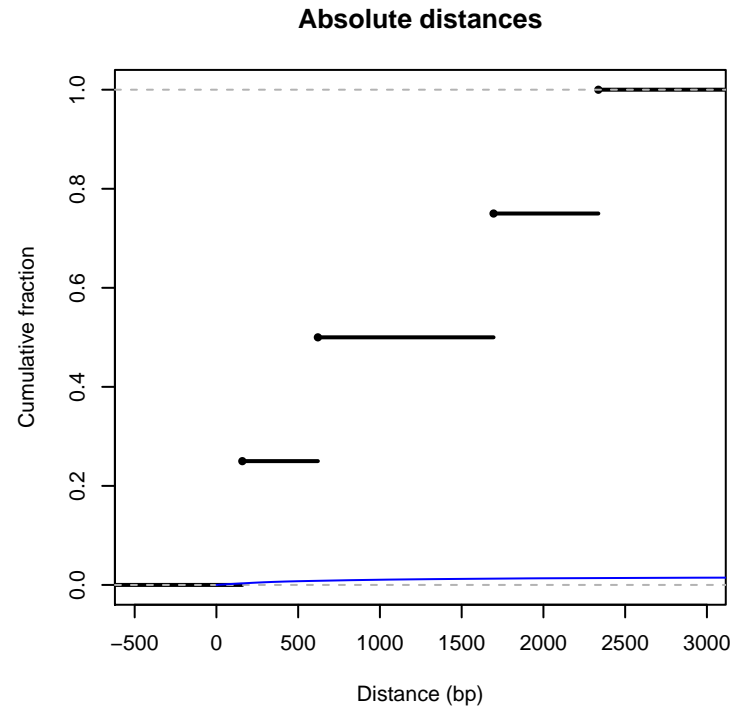
pcontig_186

Query population : 6
Reference population : 17
Relative Ks p-value : 0.675426
Relative ecdf deviation area : 0.0481078
Relative ecdf area correlation : -0.119509
Relative ecdf deviation area p-value : 0.72
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.08504e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 87.8014



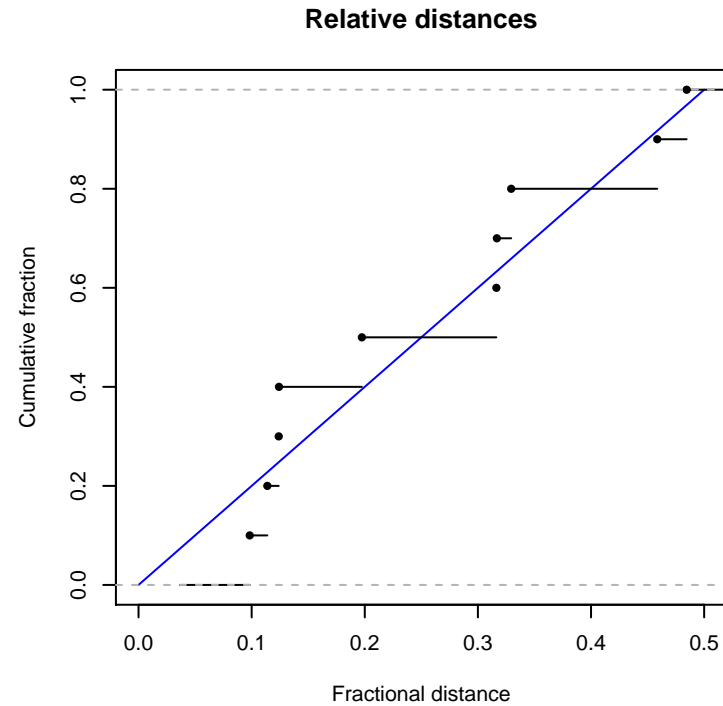
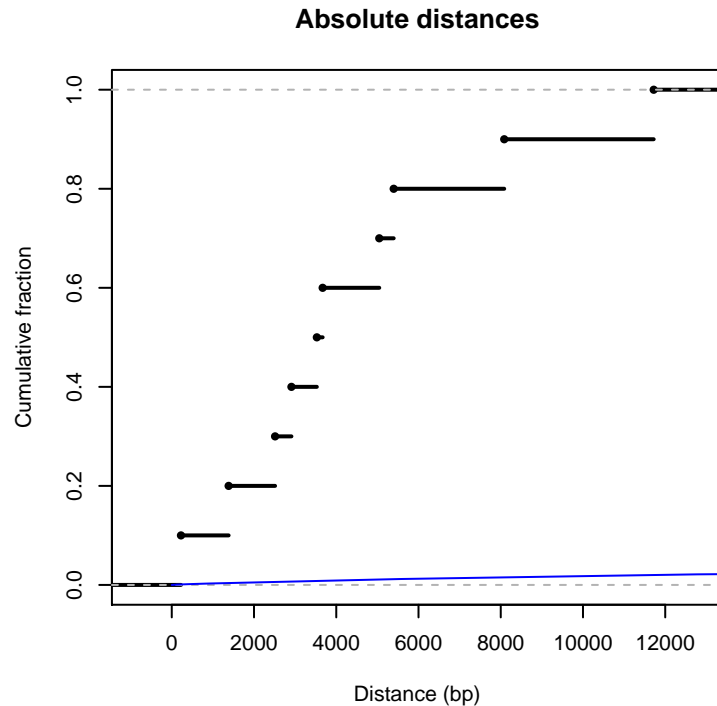
pcontig_187

Query population : 4
Reference population : 42
Relative Ks p-value : 0.78087
Relative ecdf deviation area : 0.0490296
Relative ecdf area correlation : -0.10801
Relative ecdf deviation area p-value : 0.83
Scaled Absolute min. distance p-value : <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 : 88.8166



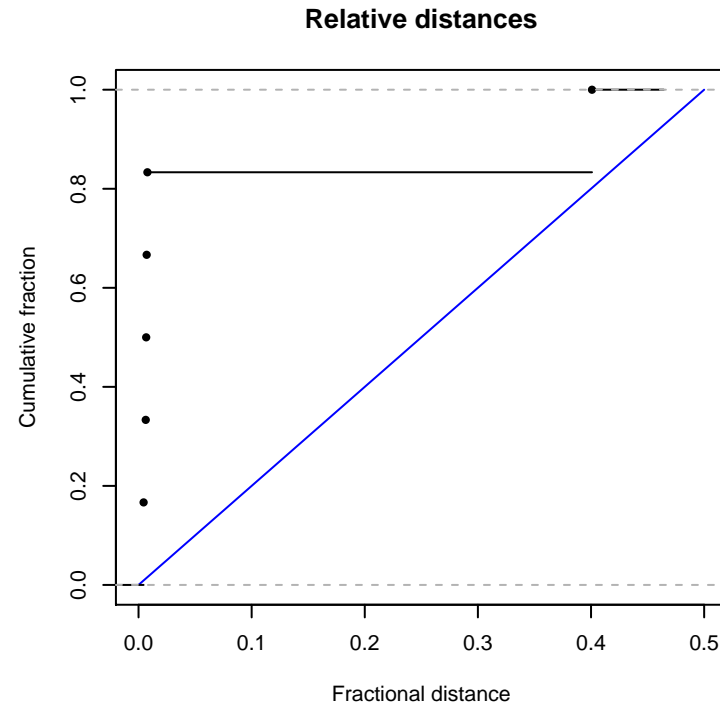
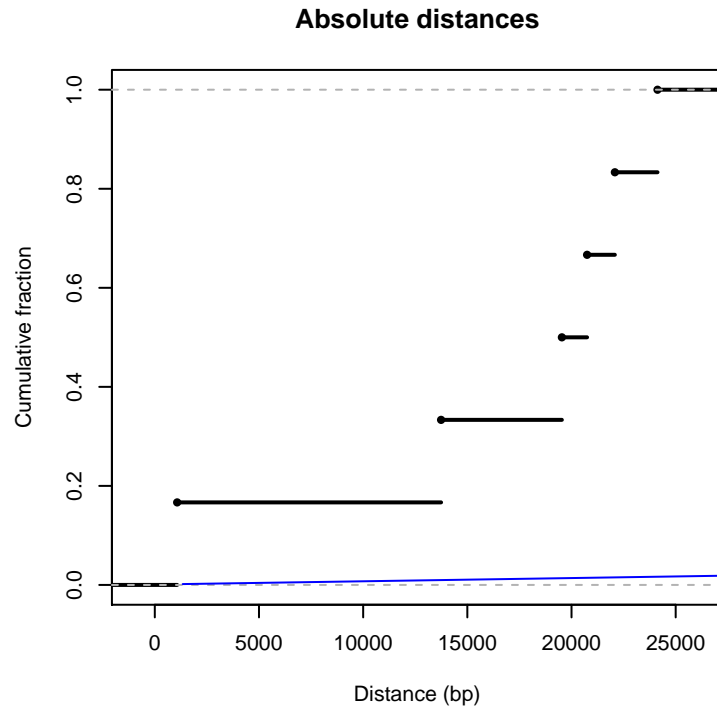
pcontig_188

Query population : 10
Reference population : 9
Relative Ks p-value : 0.76612
Relative ecdf deviation area : 0.0352524
Relative ecdf area correlation : -0.0253319
Relative ecdf deviation area p-value : 0.72
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000137619
Projection test lower tail : FALSE
Projection test observed to expected ratio : 56.9156



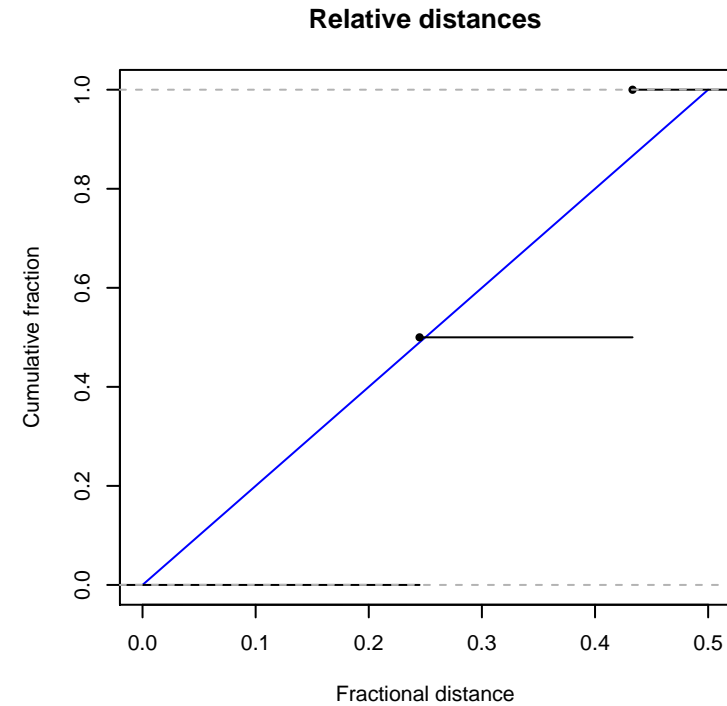
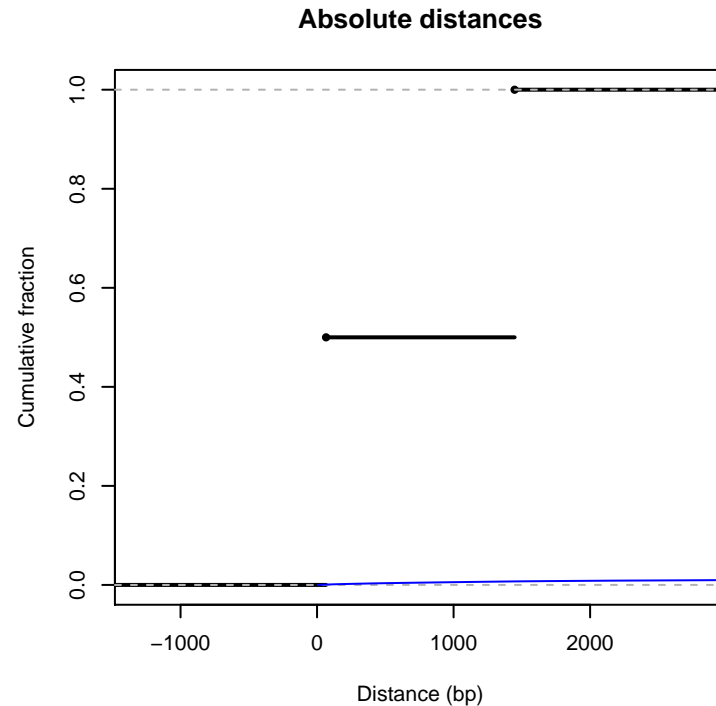
pcontig_189

Query population : 6
Reference population : 2
Relative Ks p-value : 7.36215e-05
Relative ecdf deviation area : 0.177851
Relative ecdf area correlation : 0.710996
Relative ecdf deviation 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 : 0.00167414
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



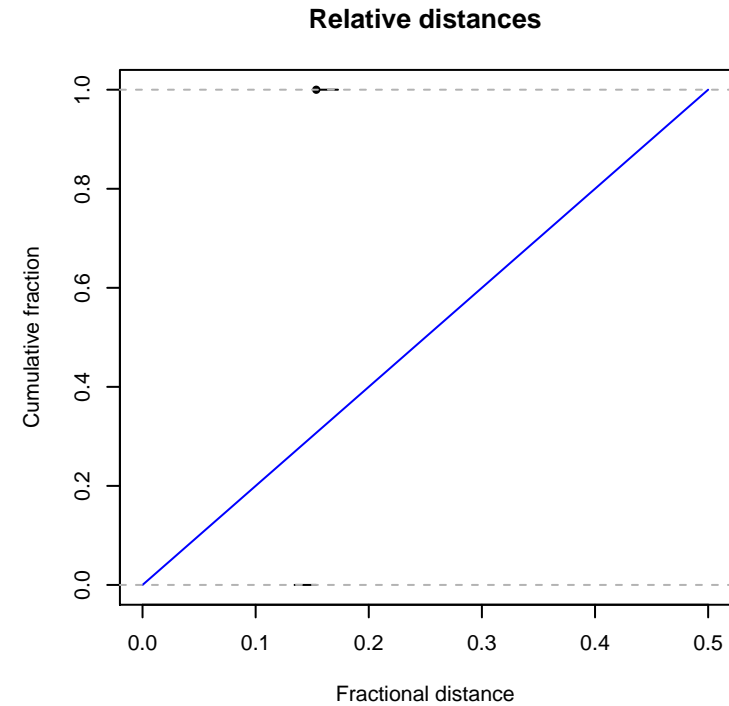
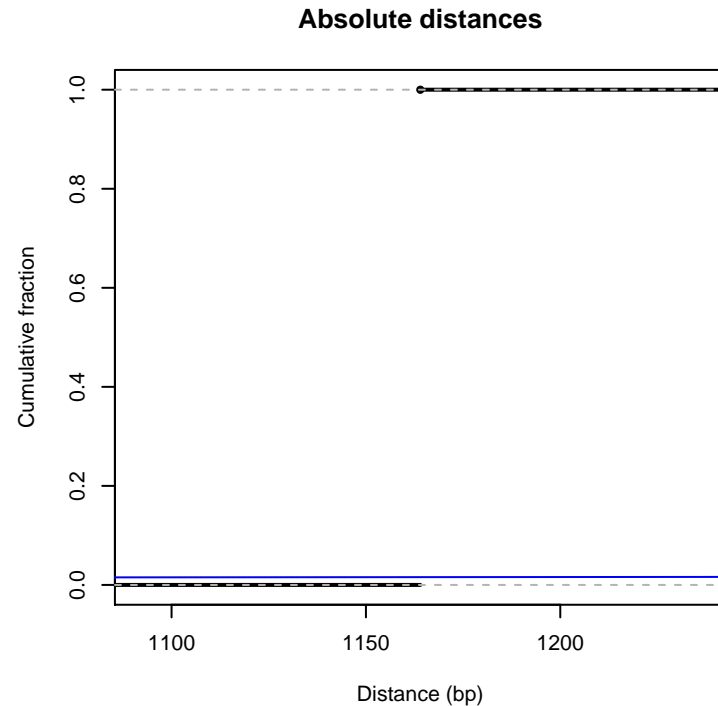
pcontig_191

Query population : 2
Reference population : 17
Relative Ks p-value : 0.539983
Relative ecdf deviation area : 0.0975993
Relative ecdf area correlation : -0.356133
Relative ecdf deviation area p-value : 0.54
Scaled Absolute min. distance p-value : <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 : 80.2862



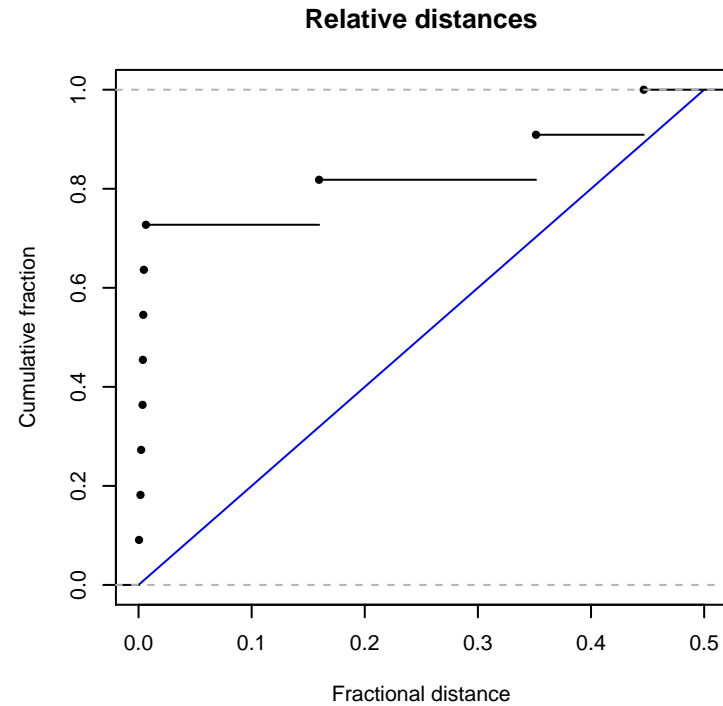
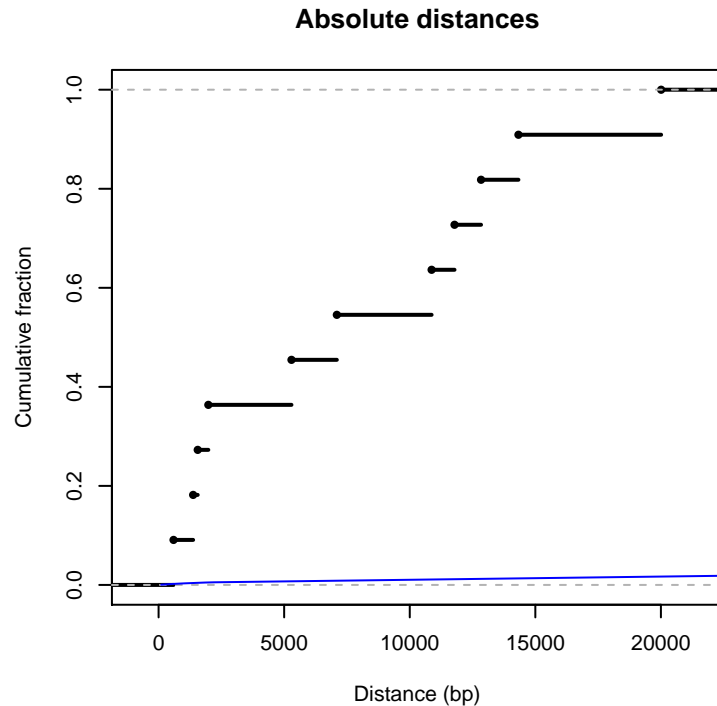
pcontig_193

Query population : 1
Reference population : 35
Relative Ks p-value : 0.614329
Relative ecdf deviation area : 0.143612
Relative ecdf area correlation : 0.385671
Relative ecdf deviation area p-value : 0.65
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.06000000000000001
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 55.2964



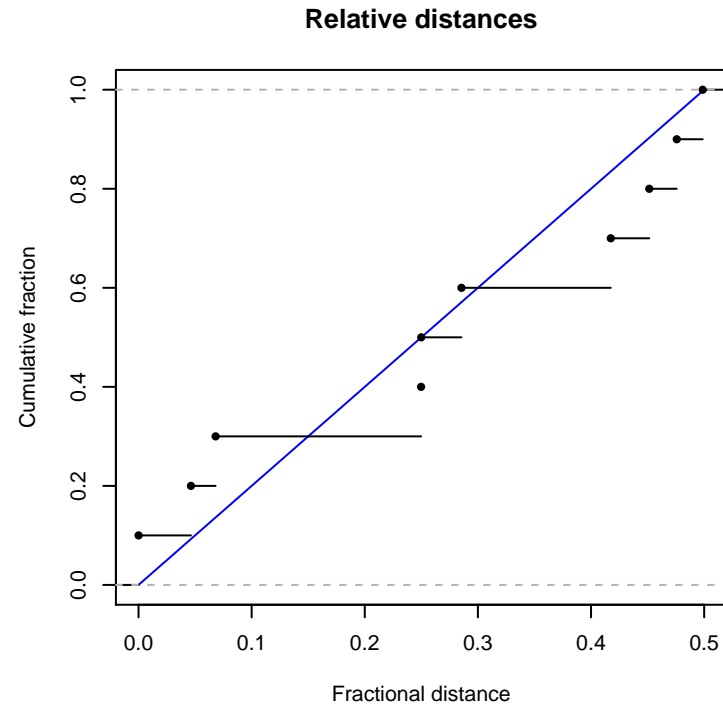
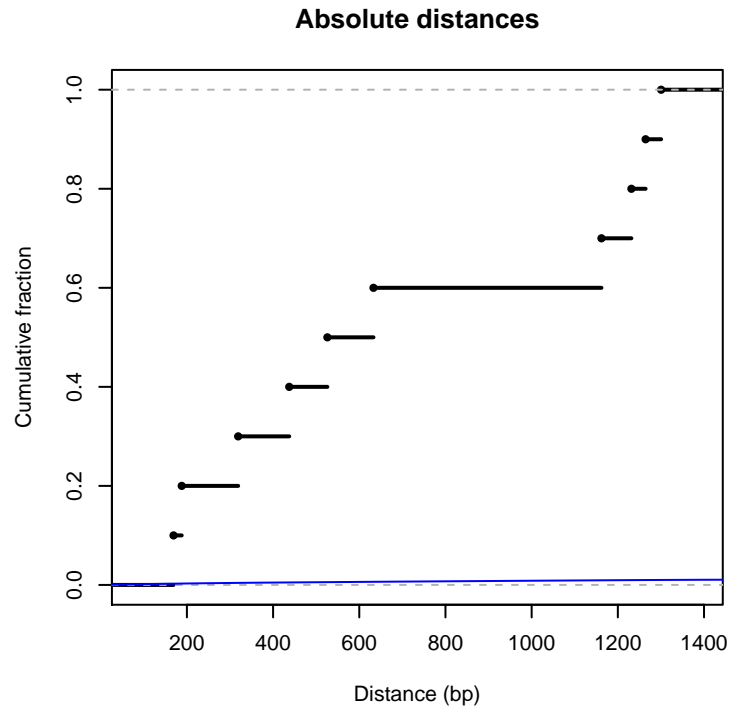
pcontig_195

Query population : 11
Reference population : 7
Relative Ks p-value : 3.4206×10^{-6}
Relative ecdf deviation area : 0.160897
Relative ecdf area correlation : 0.641866
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.75133×10^{-8}
Projection test lower tail : FALSE
Projection test observed to expected ratio : 89.872



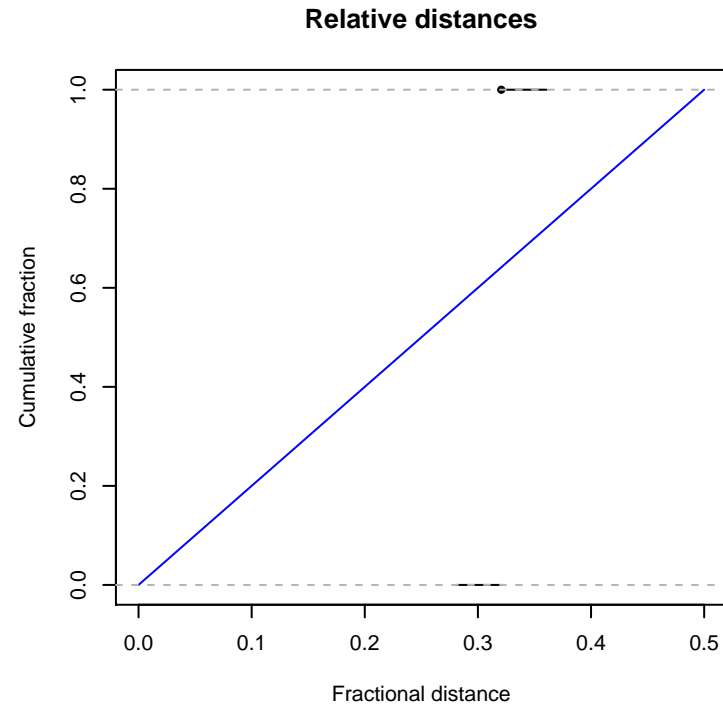
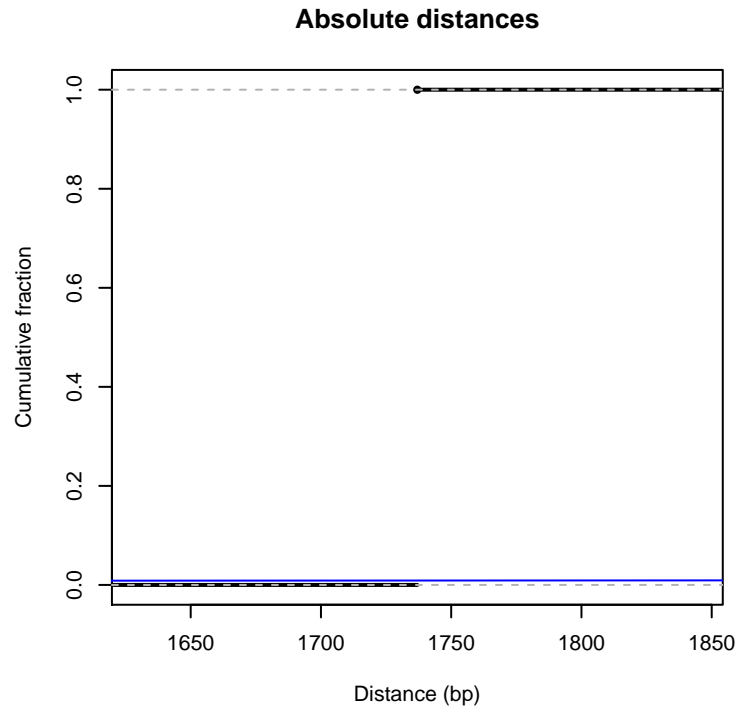
pcontig_200

Query population : 10
Reference population : 35
Relative Ks p-value : 0.562309
Relative ecdf deviation area : 0.046848
Relative ecdf area correlation : -0.0972623
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 : 1.55431e-15
Projection test lower tail : FALSE
Projection test observed to expected ratio : 79.7735



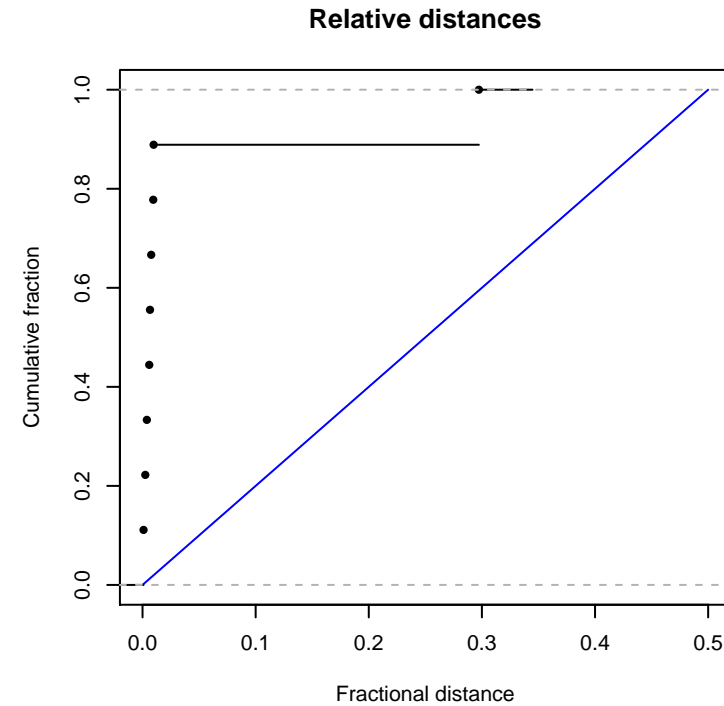
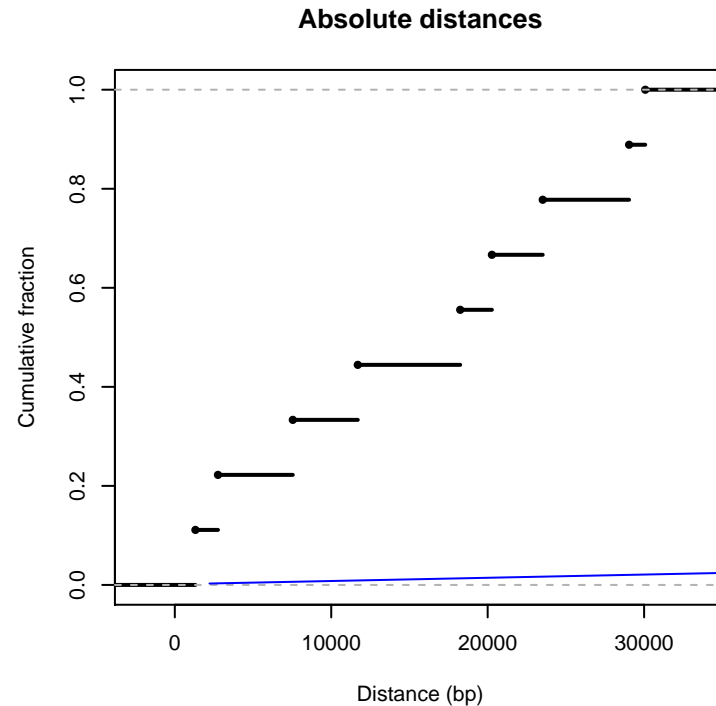
pcontig_202

Query population : 1
Reference population : 17
Relative Ks p-value : 0.717371
Relative ecdf deviation area : 0.135038
Relative ecdf area correlation : -0.282629
Relative ecdf deviation area p-value : 0.65
Scaled Absolute min. distance p-value : 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 : 88.6705



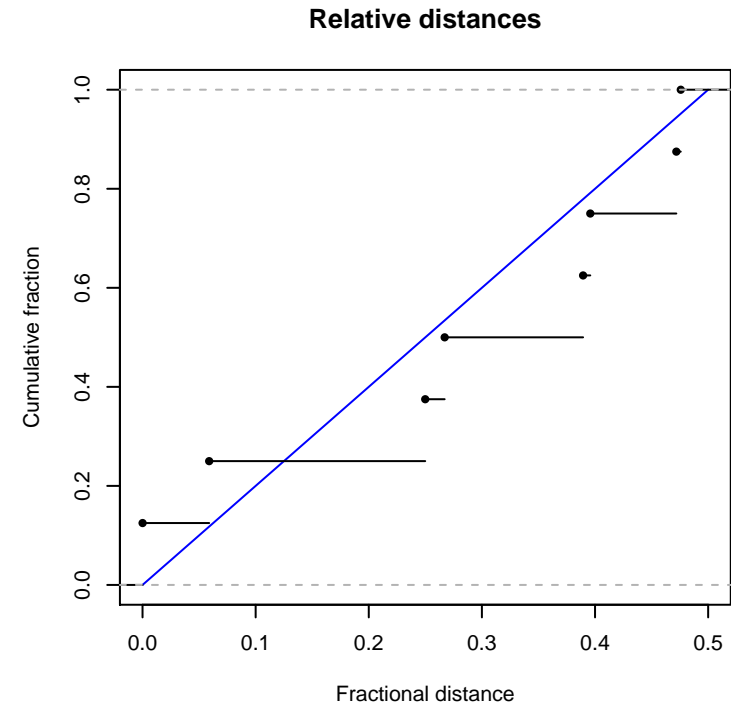
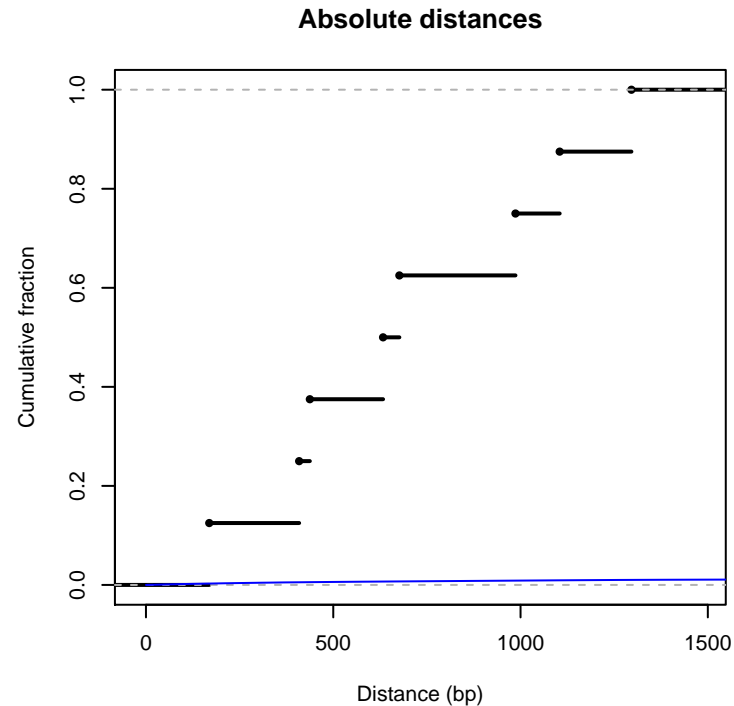
pcontig_203

Query population : 9
Reference population : 2
Relative Ks p-value : 2.22794e-08
Relative ecdf deviation area : 0.211292
Relative ecdf area correlation : 0.847116
Relative ecdf deviation 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 : 0.00763584
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



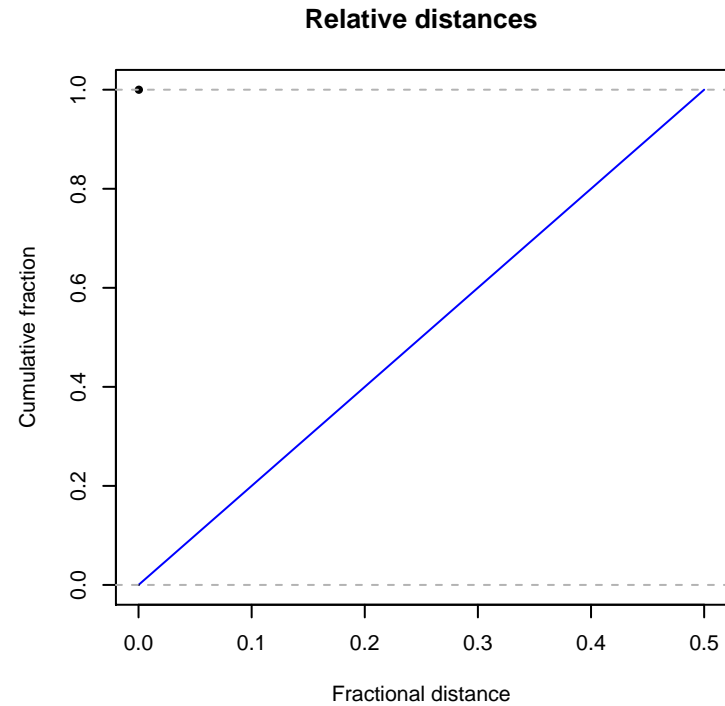
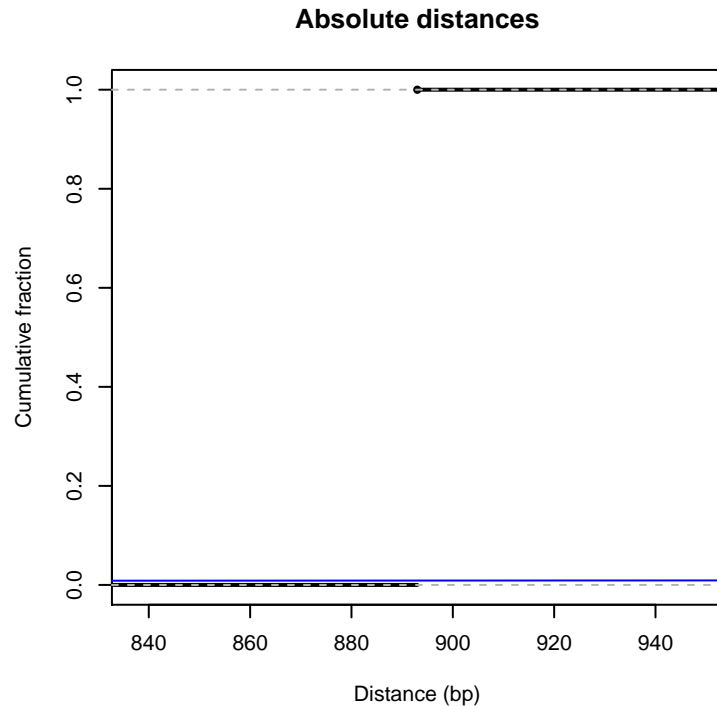
pcontig_204

Query population : 8
Reference population : 35
Relative Ks p-value : 0.479599
Relative ecdf deviation area : 0.0560624
Relative ecdf area correlation : -0.154445
Relative ecdf deviation area p-value : 0.43
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 2.25626e-11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 64.6105



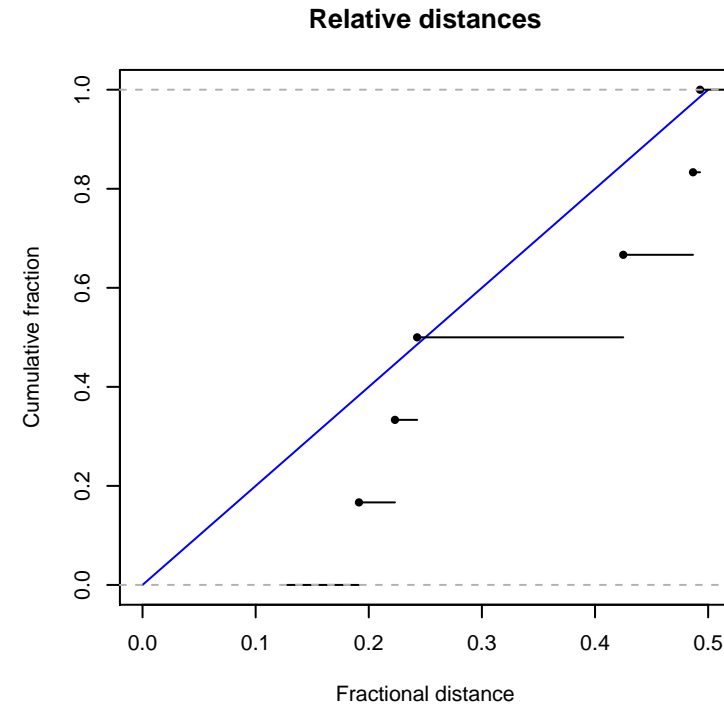
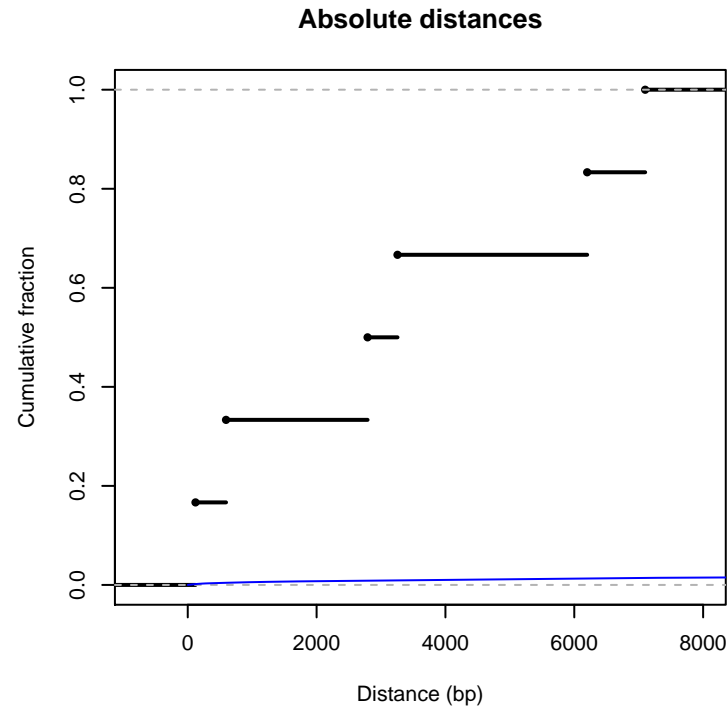
pcontig_205

Query population : 1
Reference population : 29
Relative Ks p-value : 0.0011735
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 0.998827
Relative ecdf deviation 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 : 0.0102451
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



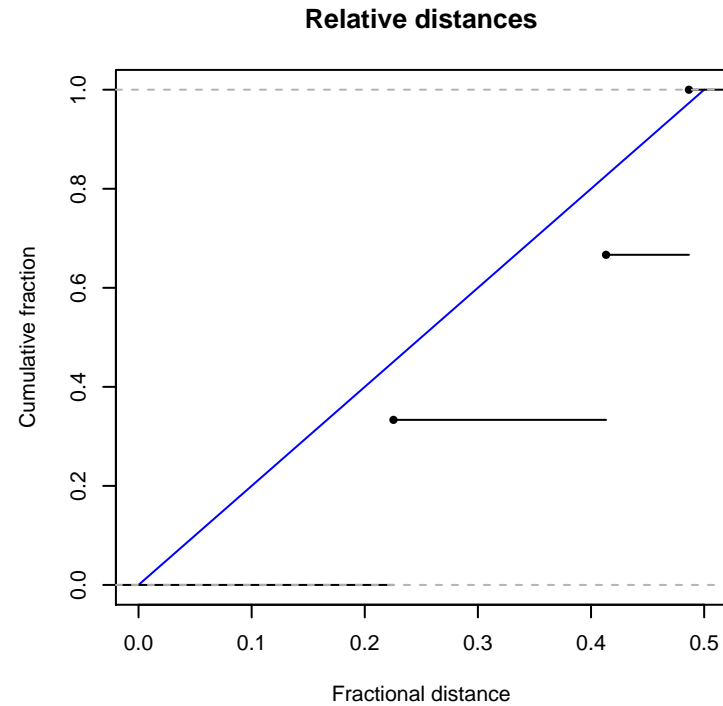
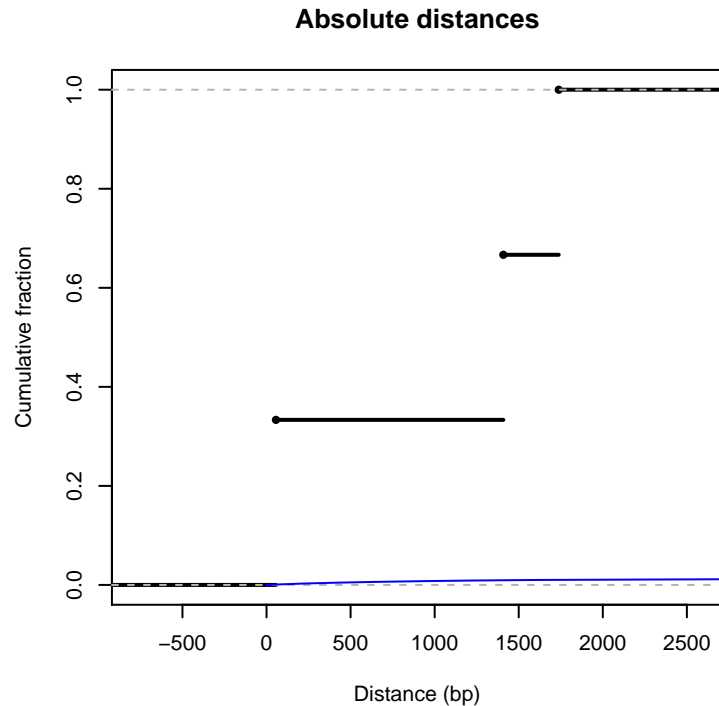
pcontig_207

Query population : 6
Reference population : 32
Relative Ks p-value : 0.268702
Relative ecdf deviation area : 0.0939928
Relative ecdf area correlation : -0.374404
Relative ecdf deviation area p-value : 0.15
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.39454e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 80.7355



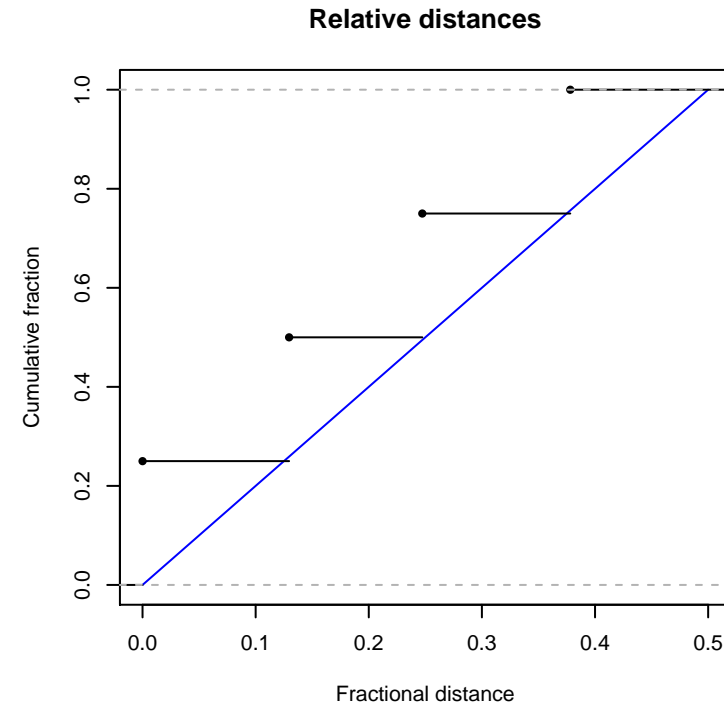
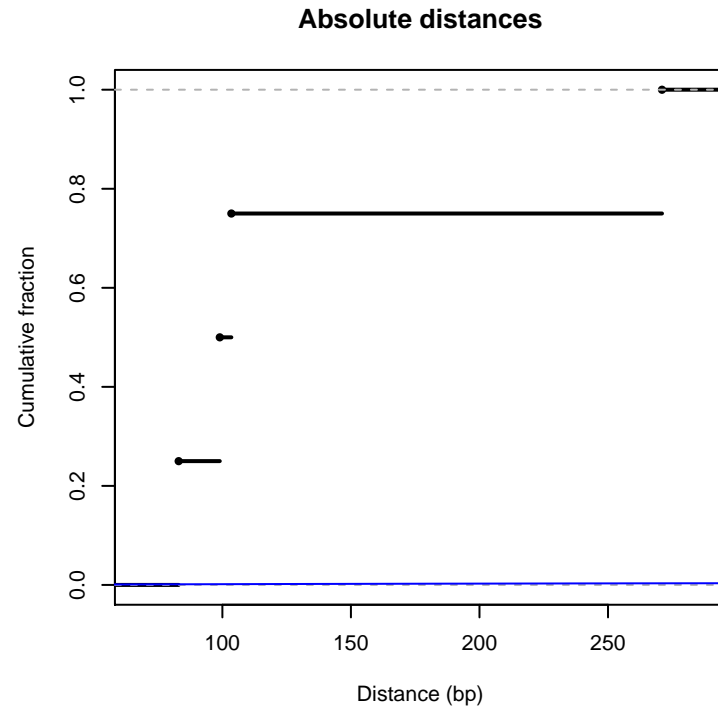
pcontig_214

Query population : 3
Reference population : 26
Relative Ks p-value : 0.349298
Relative ecdf deviation area : 0.12542
Relative ecdf area correlation : -0.500234
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 : 5.23329e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 82.7276



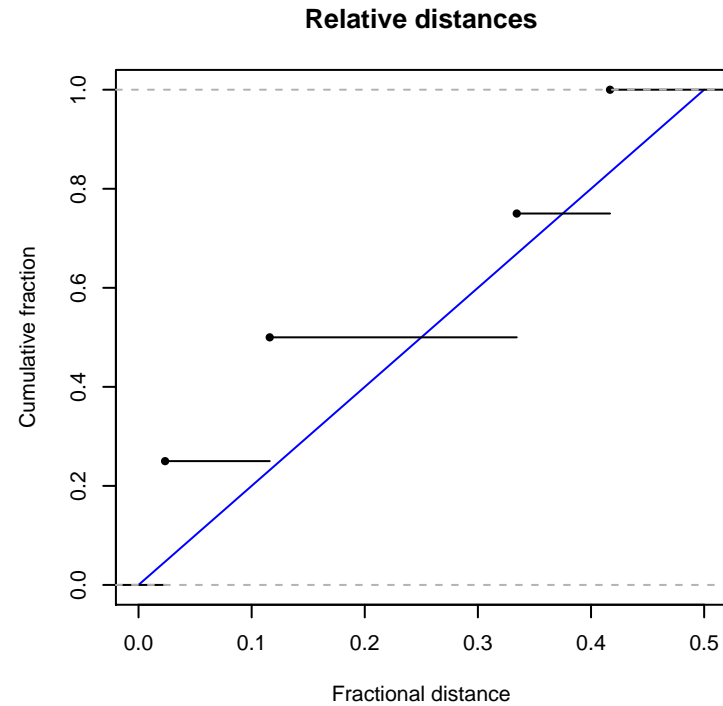
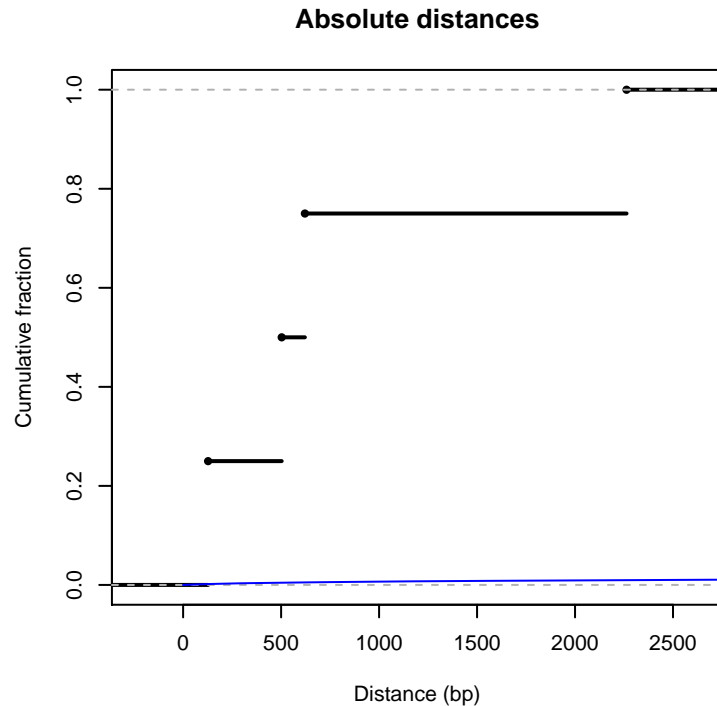
pcontig_218

Query population : 4
Reference population : 33
Relative Ks p-value : 0.893853
Relative ecdf deviation area : 0.0612167
Relative ecdf area correlation : 0.244952
Relative ecdf deviation area p-value : 0.67
Scaled Absolute min. distance p-value : <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 : 180.079



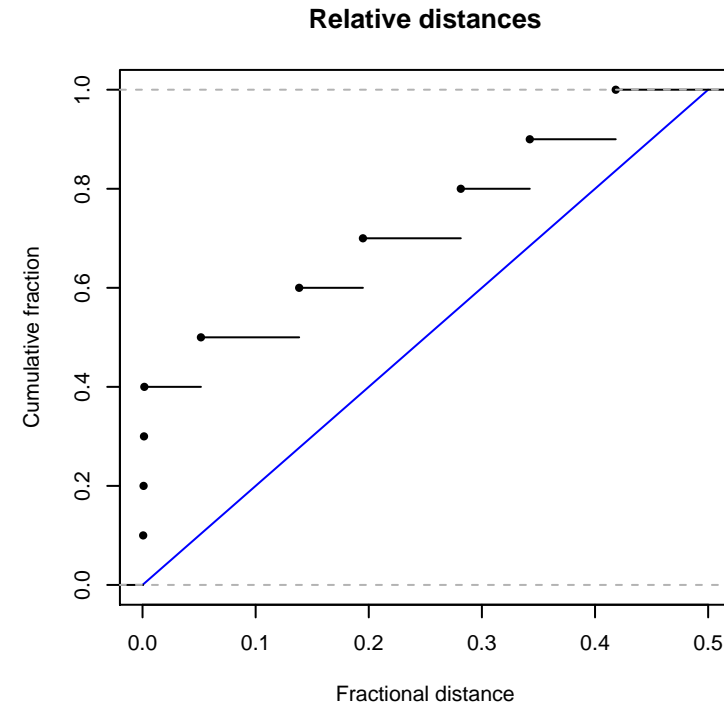
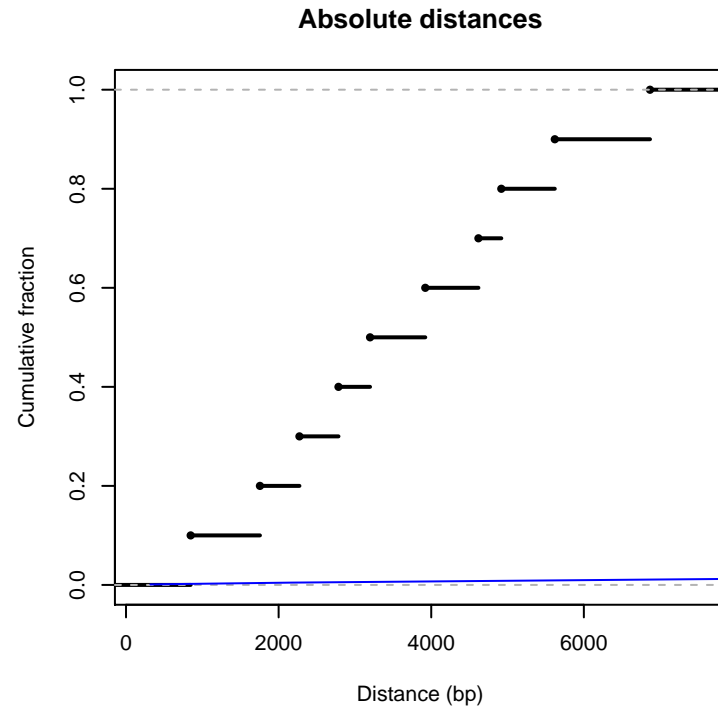
pcontig_221

Query population : 4
Reference population : 25
Relative Ks p-value : 0.862353
Relative ecdf deviation area : 0.0460689
Relative ecdf area correlation : 0.109417
Relative ecdf deviation area p-value : 0.92
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 108.886



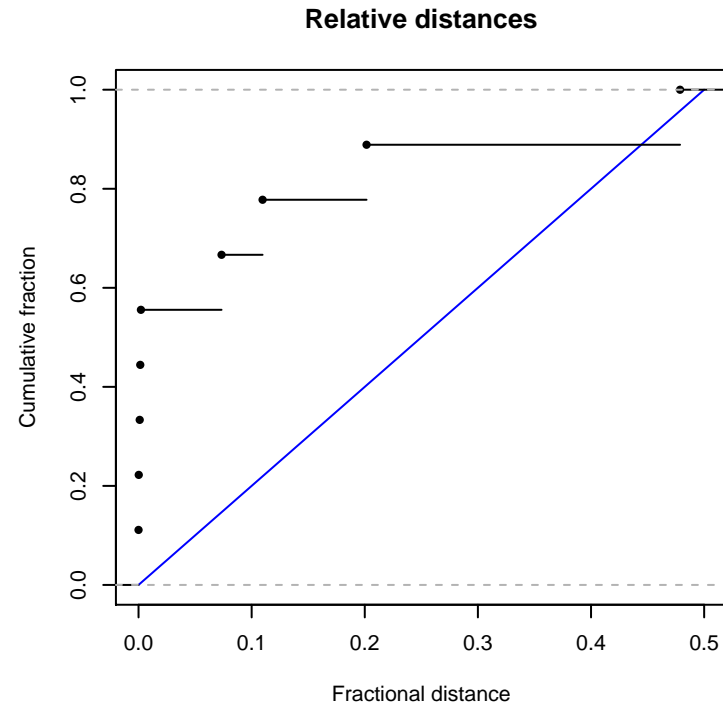
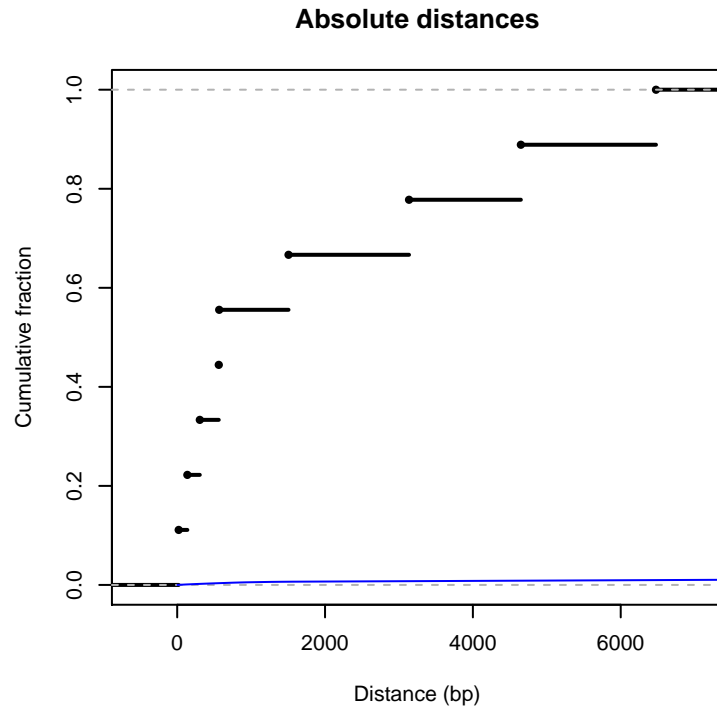
pcontig_223

Query population : 10
Reference population : 5
Relative Ks p-value : 0.0624244
Relative ecdf deviation area : 0.108561
Relative ecdf area correlation : 0.427485
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 : 0.000324462
Projection test lower tail : FALSE
Projection test observed to expected ratio : 36.9736



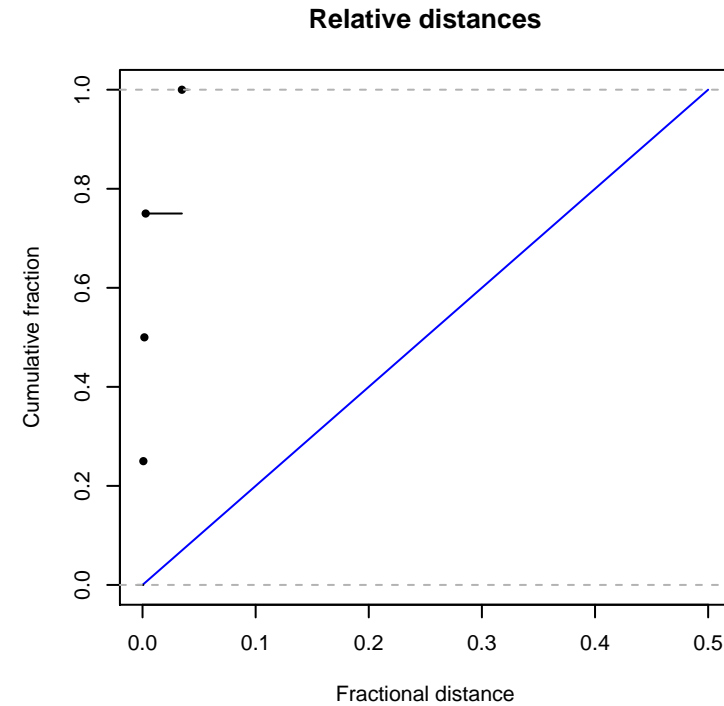
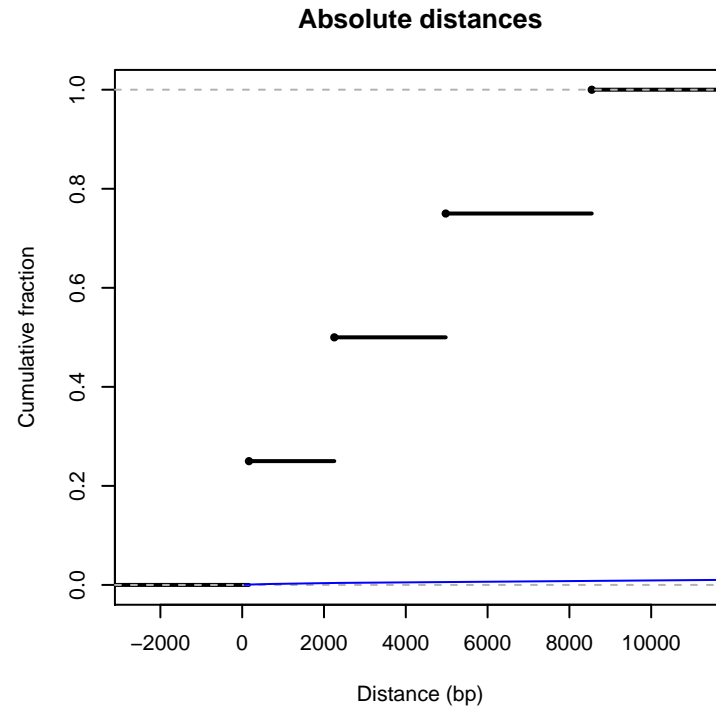
pcontig_225

Query population : 9
Reference population : 13
Relative Ks p-value : 0.00358999
Relative ecdf deviation area : 0.155719
Relative ecdf area correlation : 0.614147
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.62093e-12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 107.032



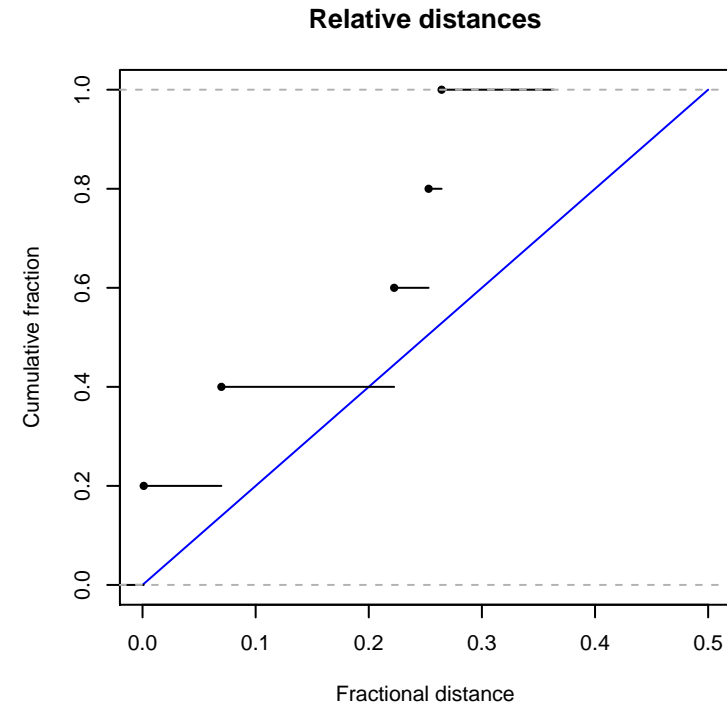
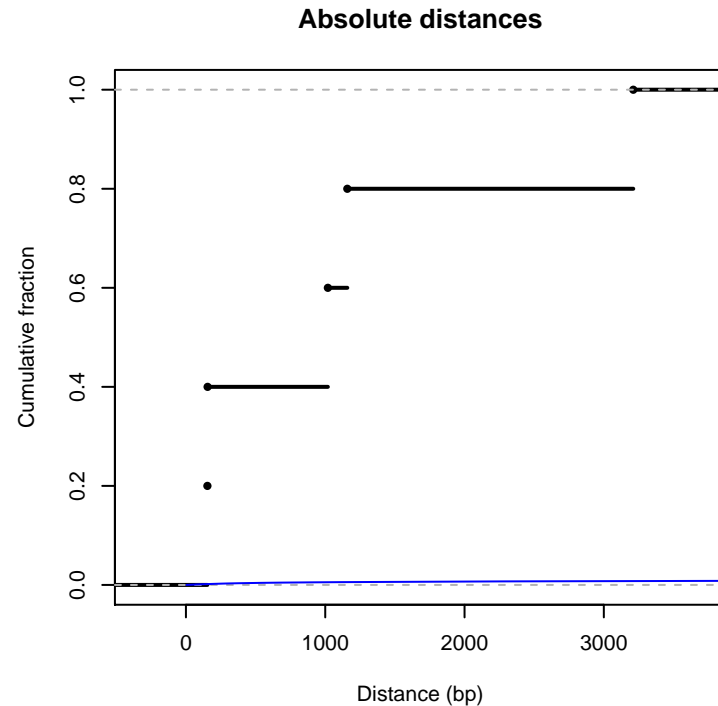
pcontig_233

Query population : 4
Reference population : 7
Relative Ks p-value : 4.68874e-05
Relative ecdf deviation area : 0.241131
Relative ecdf area correlation : 0.960062
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 1.85046e-07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 139.157



pcontig_235

Query population : 5
Reference population : 24
Relative Ks p-value : 0.155236
Relative ecdf deviation area : 0.0885881
Relative ecdf area correlation : 0.351618
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 : 1.06101e-06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 84.2923



All Chromosomes

Query population : 12905
Reference population : 49155
Relative Ks p-value : 0
Relative ecdf deviation area : 0.0118068
Relative ecdf area correlation : -0.0426296
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.89648

