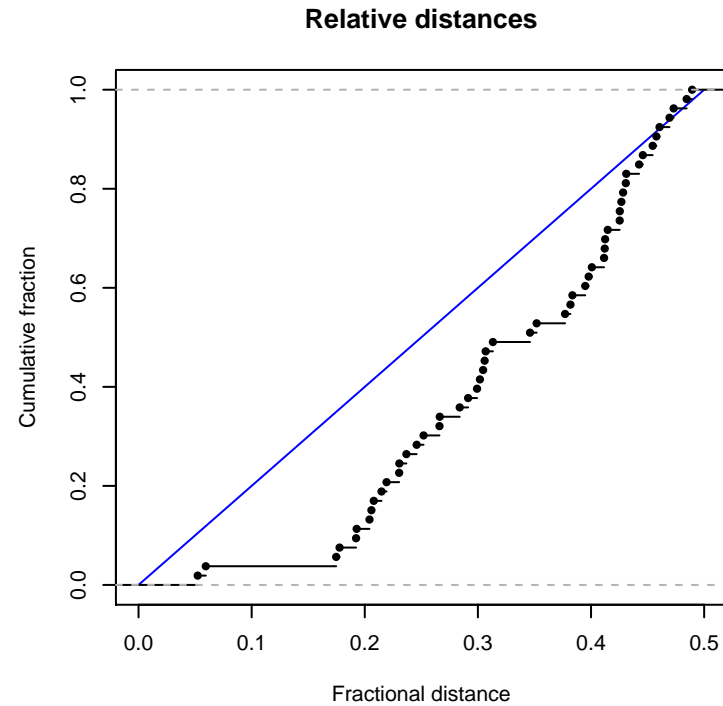
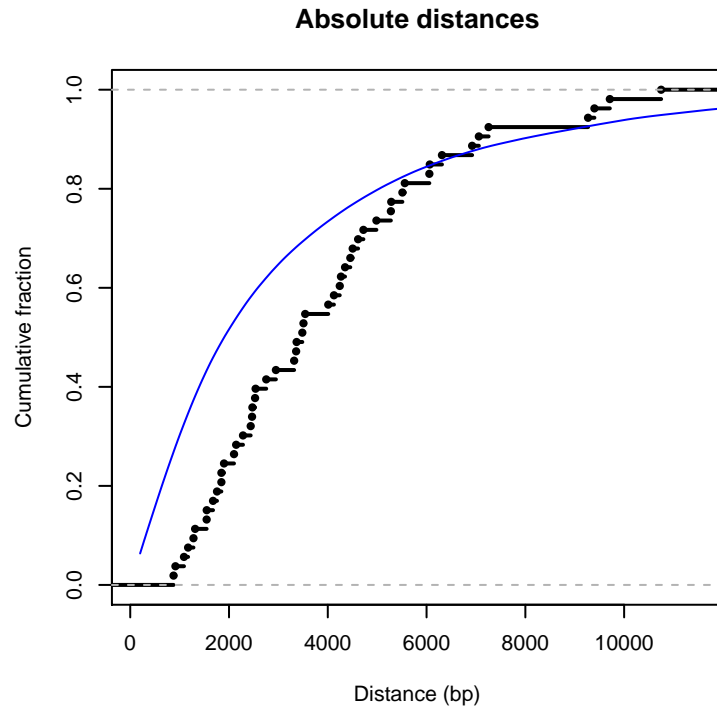


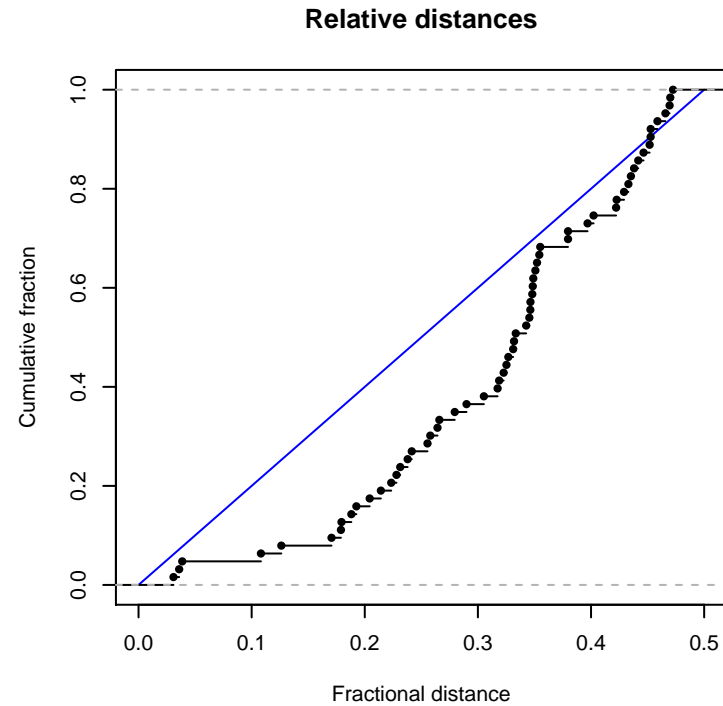
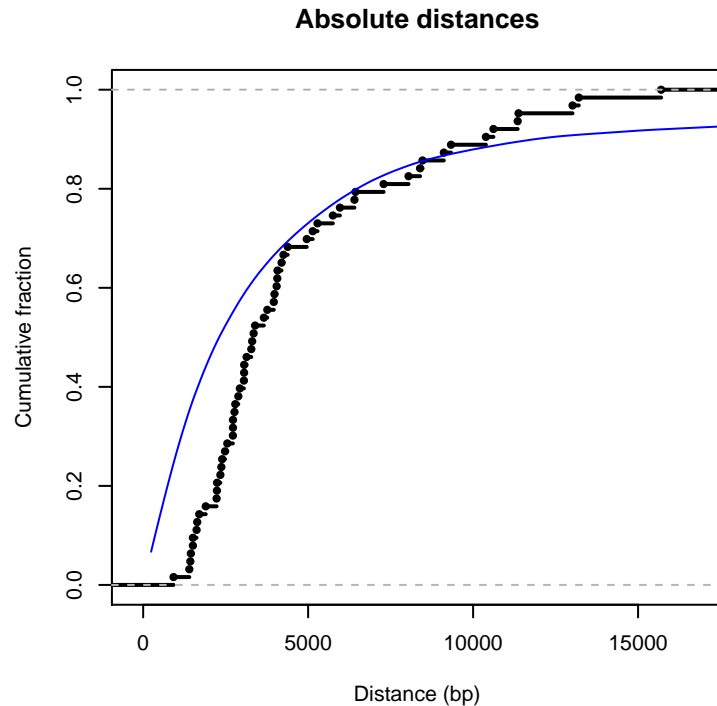
pcontig_000

Query population : 53
Reference population : 487
Relative Ks p-value : 4.49992e-05
Relative ecdf deviation area : 0.0800566
Relative ecdf area correlation : -0.3182
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.25
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 5.86392e-07
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



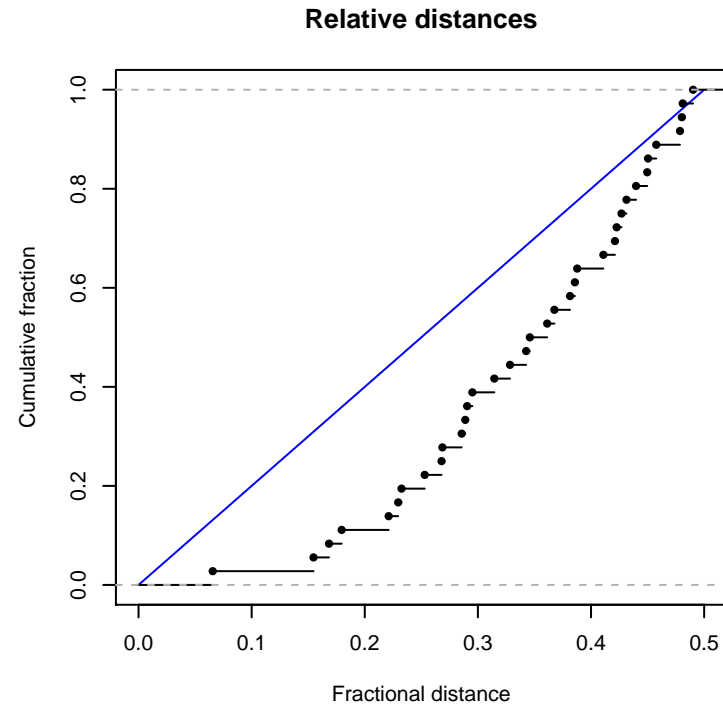
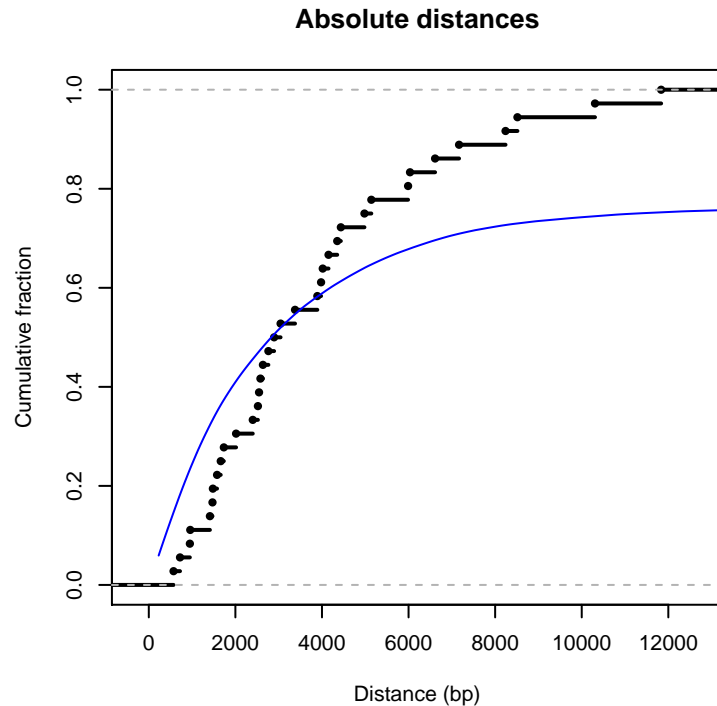
pcontig_001

Query population : 63
Reference population : 427
Relative Ks p-value : 0.000253376
Relative ecdf deviation area : 0.0683088
Relative ecdf area correlation : -0.264499
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.07
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 4.83285e-07
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



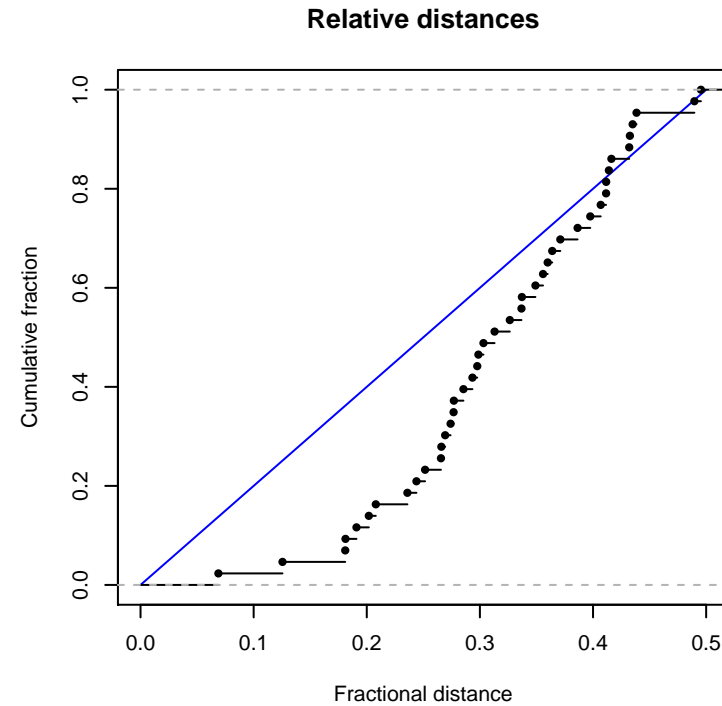
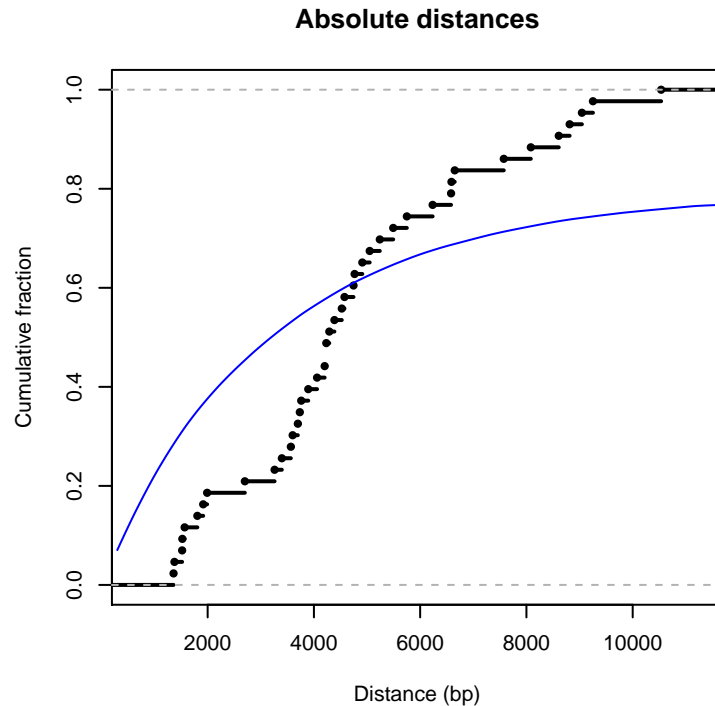
pcontig_002

Query population : 36
Reference population : 400
Relative Ks p-value : 0.000509905
Relative ecdf deviation area : 0.0907268
Relative ecdf area correlation : -0.361894
Relative ecdf deviation area p-value : <0.01
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 : 0.000239971
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



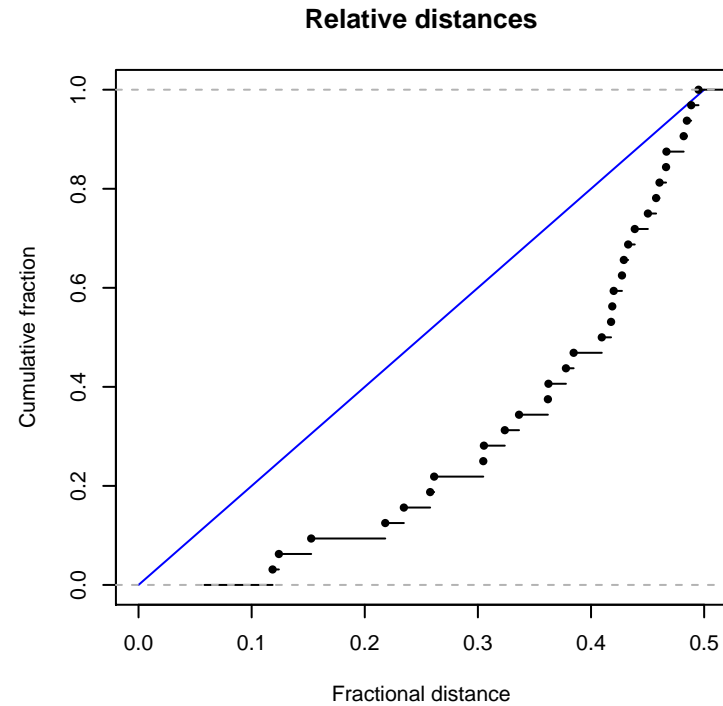
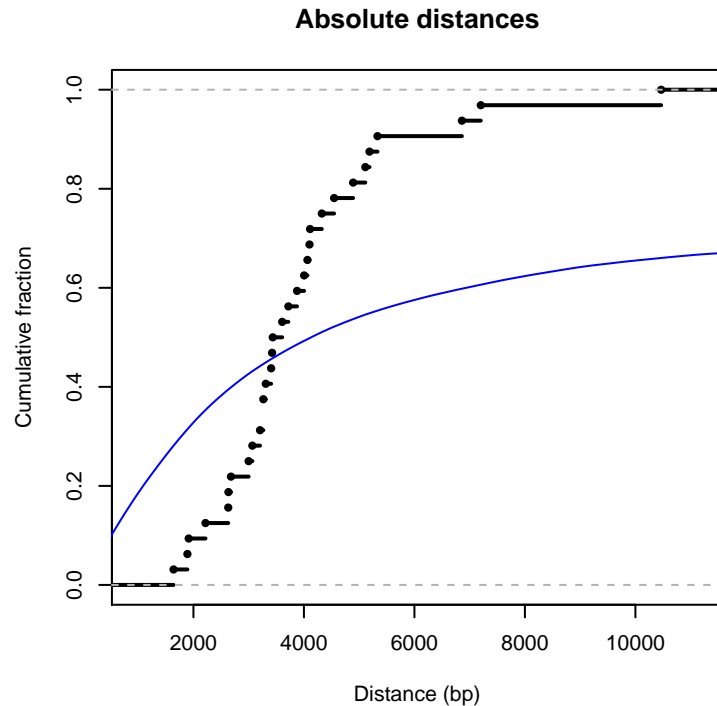
pcontig_003

Query population : 43
Reference population : 360
Relative Ks p-value : 0.000266212
Relative ecdf deviation area : 0.0721778
Relative ecdf area correlation : -0.272166
Relative ecdf deviation area p-value : <0.01
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 : 0.000459418
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



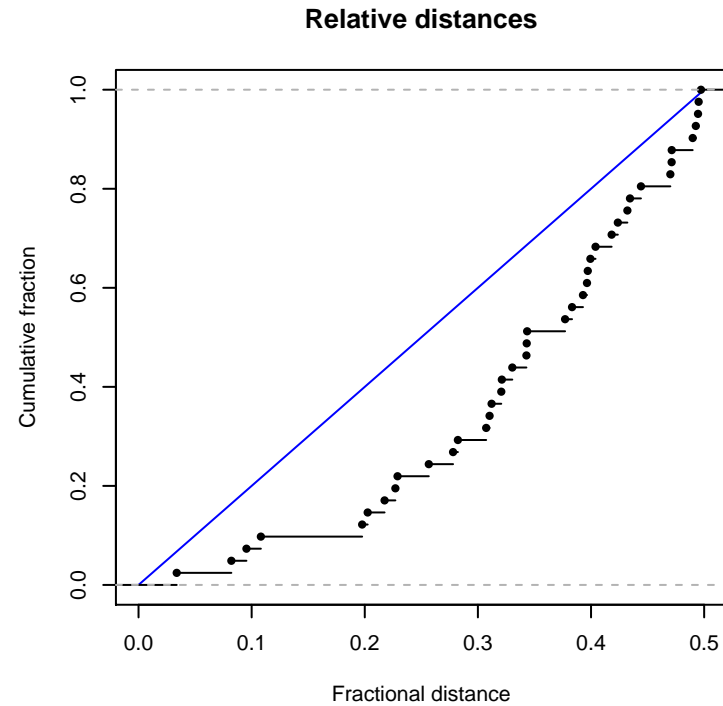
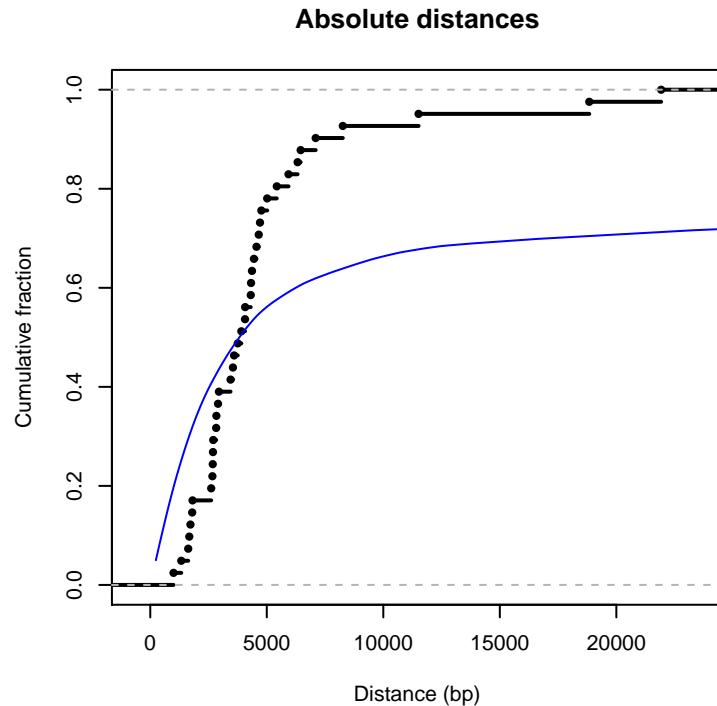
pcontig_004

Query population : 32
Reference population : 300
Relative Ks p-value : 6.52132e-05
Relative ecdf deviation area : 0.118155
Relative ecdf area correlation : -0.471173
Relative ecdf deviation area p-value : <0.01
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 : 0.00383733
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



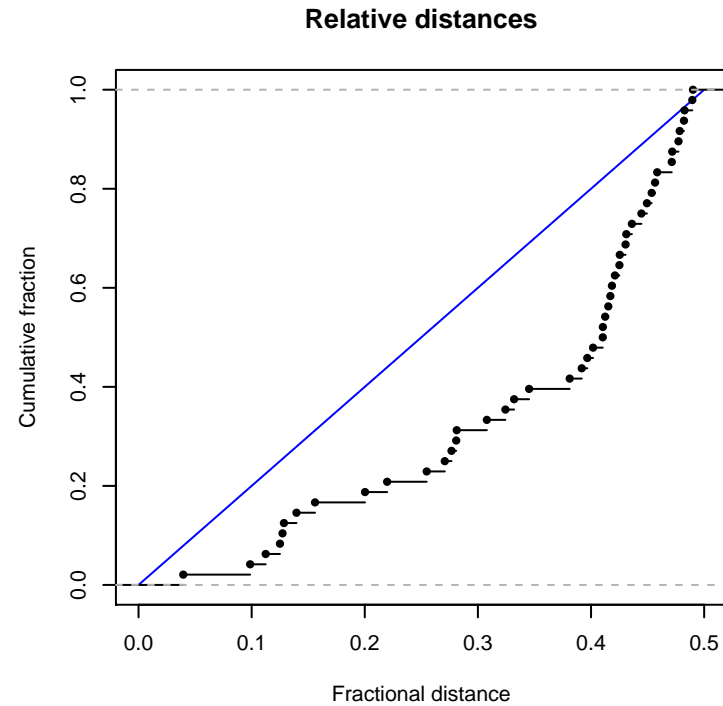
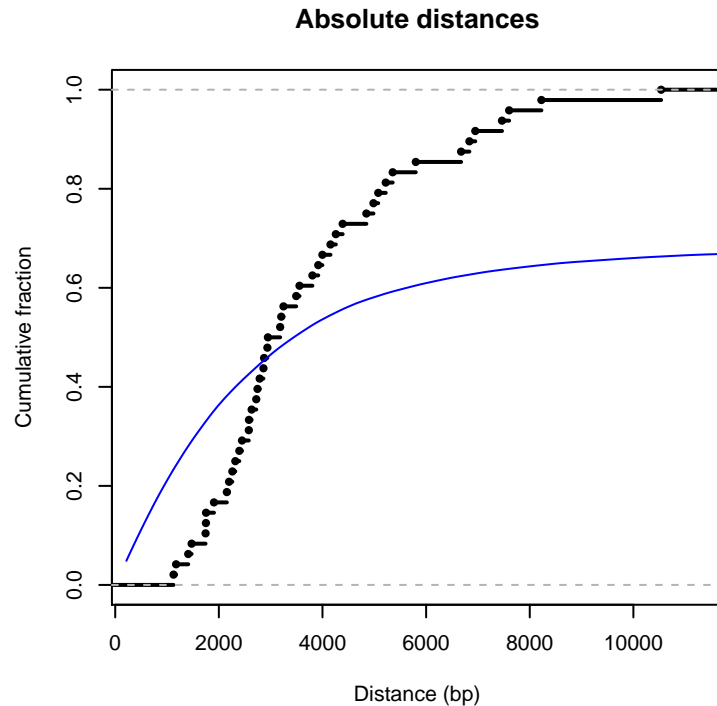
pcontig_005

Query population : 41
Reference population : 318
Relative Ks p-value : 0.000278583
Relative ecdf deviation area : 0.0895526
Relative ecdf area correlation : -0.358688
Relative ecdf deviation area p-value : <0.01
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 : 0.0004014
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



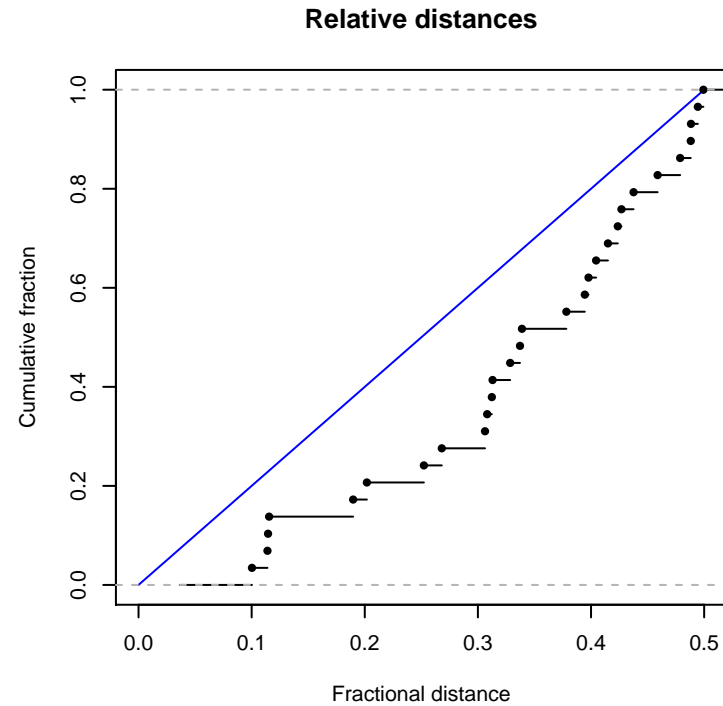
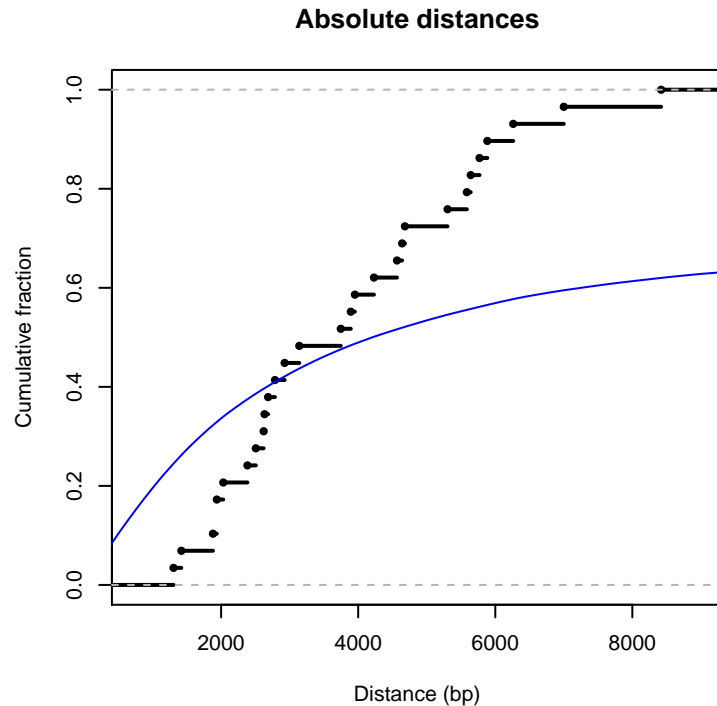
pcontig_006

Query population : 48
Reference population : 347
Relative Ks p-value : 2.65638e-06
Relative ecdf deviation area : 0.0993419
Relative ecdf area correlation : -0.395984
Relative ecdf deviation area p-value : <0.01
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 : 0.000123835
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



pcontig_007

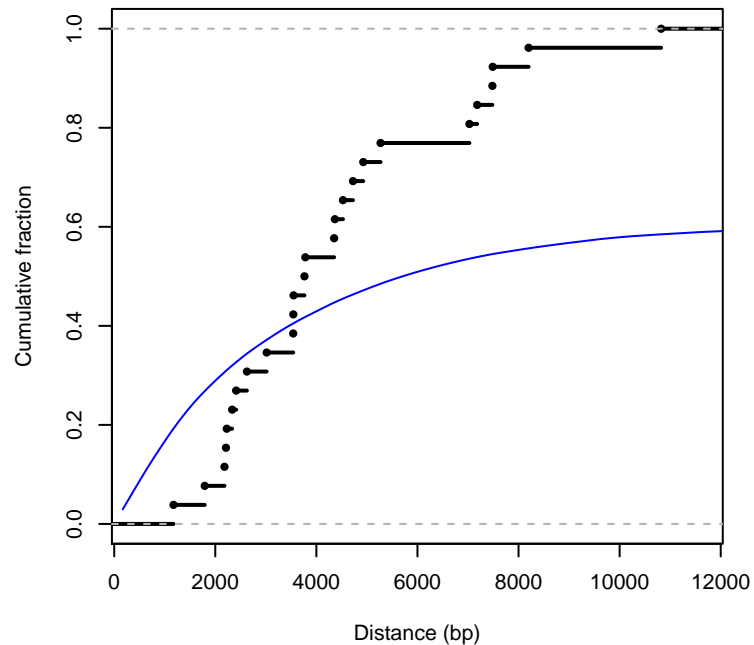
Query population : 29
Reference population : 320
Relative Ks p-value : 0.00195784
Relative ecdf deviation area : 0.0873719
Relative ecdf area correlation : -0.34987
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.00759508
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



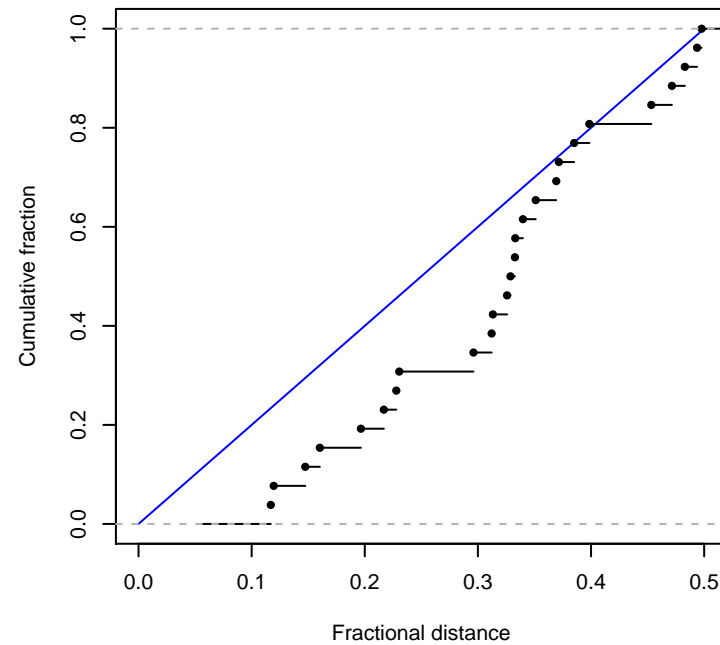
pcontig_008

Query population : 26
Reference population : 267
Relative Ks p-value : 0.0235152
Relative ecdf deviation area : 0.0682104
Relative ecdf area correlation : -0.272663
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 : TRUE
Projection test p-value : 0.0183283
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

Absolute distances

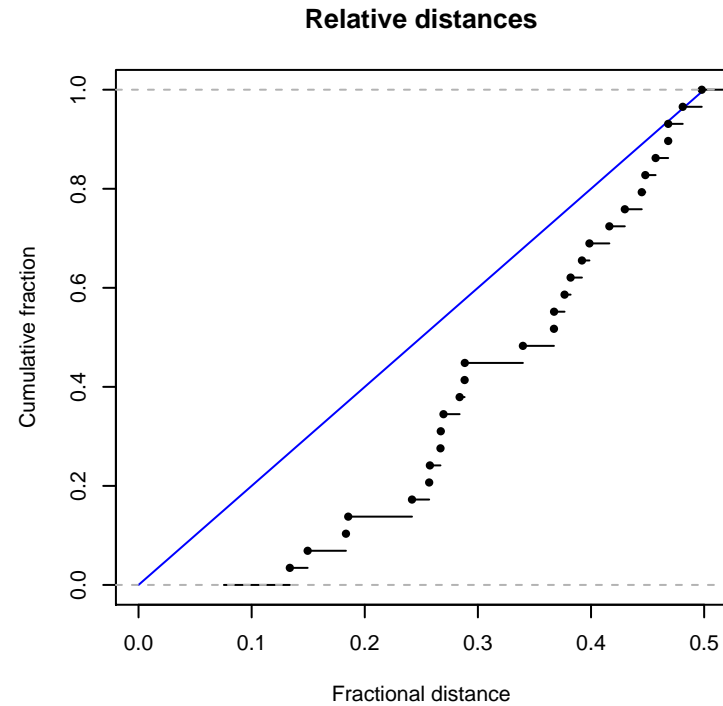
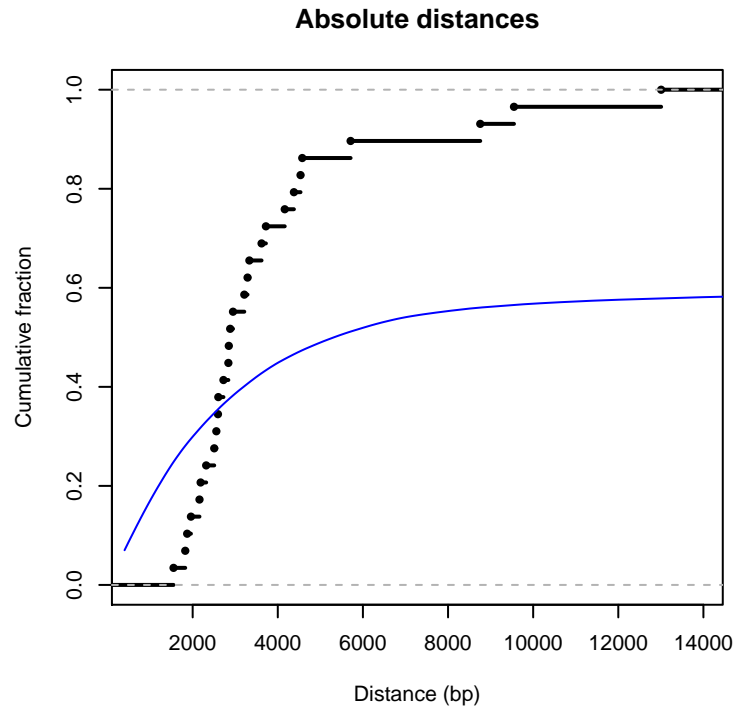


Relative distances



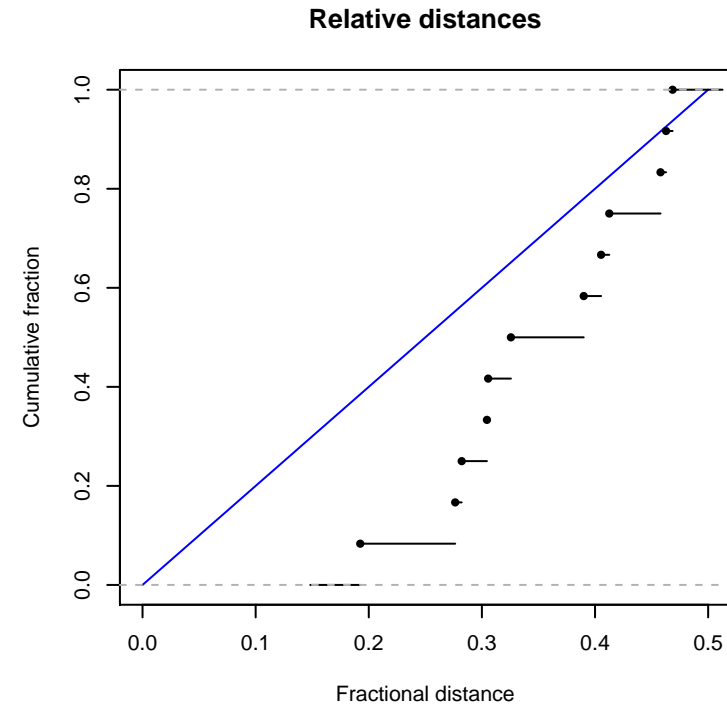
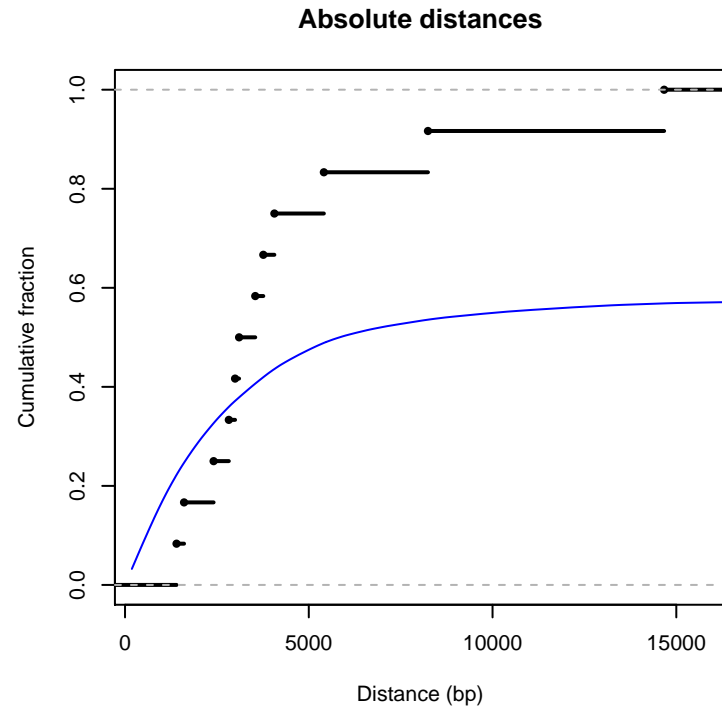
pcontig_009

Query population : 29
Reference population : 269
Relative Ks p-value : 0.00134638
Relative ecdf deviation area : 0.0883038
Relative ecdf area correlation : -0.352723
Relative ecdf deviation area p-value : <0.01
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 : 0.00495401
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



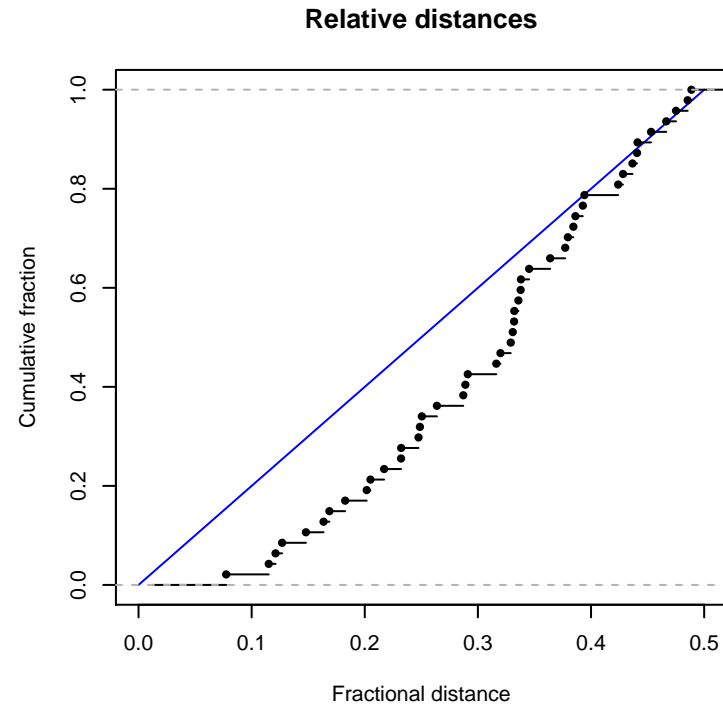
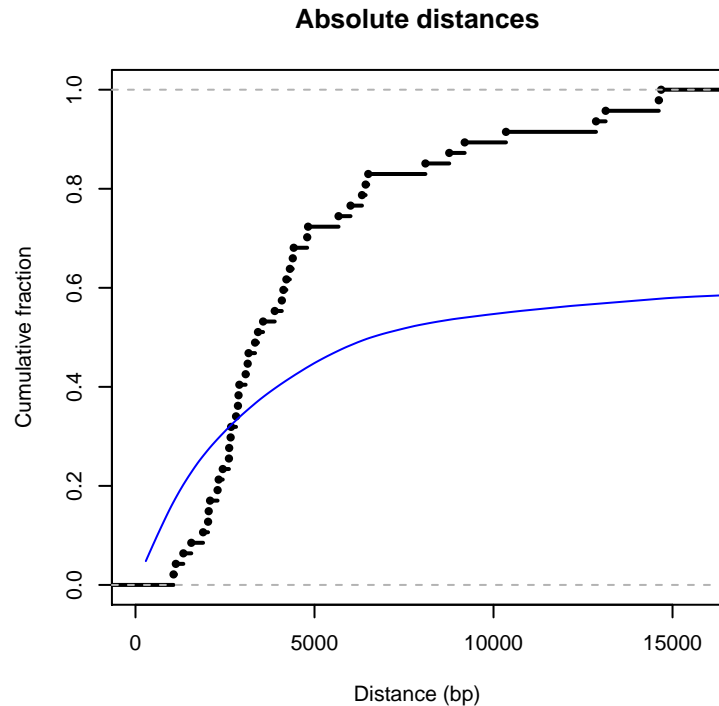
pcontig_010

Query population : 12
Reference population : 267
Relative Ks p-value : 0.00602804
Relative ecdf deviation area : 0.108777
Relative ecdf area correlation : -0.42796
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 : 0.04
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.201569
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



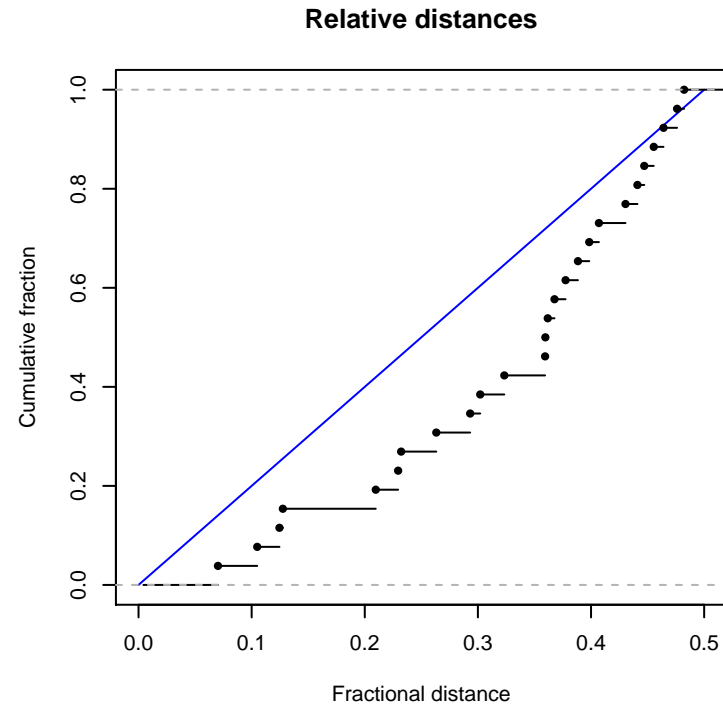
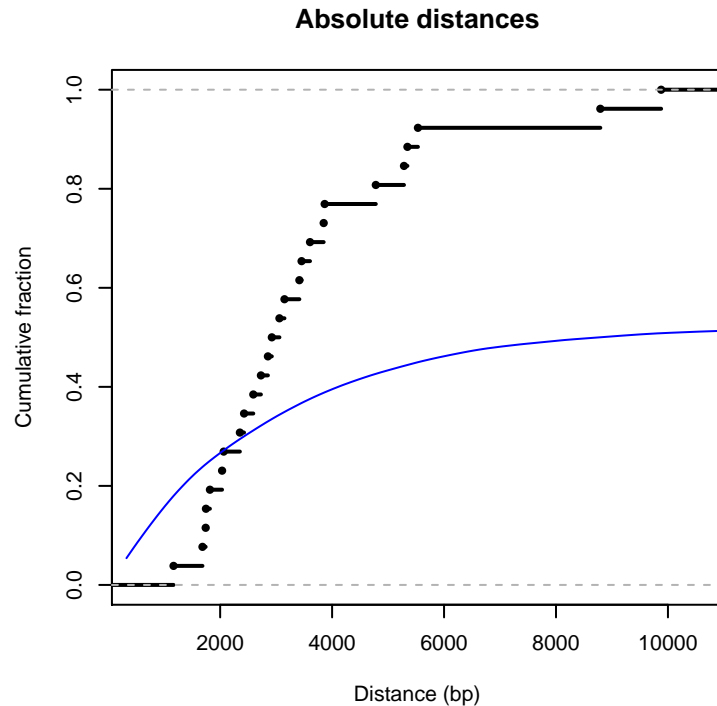
pcontig_011

Query population : 47
Reference population : 255
Relative Ks p-value : 0.00989723
Relative ecdf deviation area : 0.0611882
Relative ecdf area correlation : -0.242904
Relative ecdf deviation area p-value : 0.01
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 : 0.000848765
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



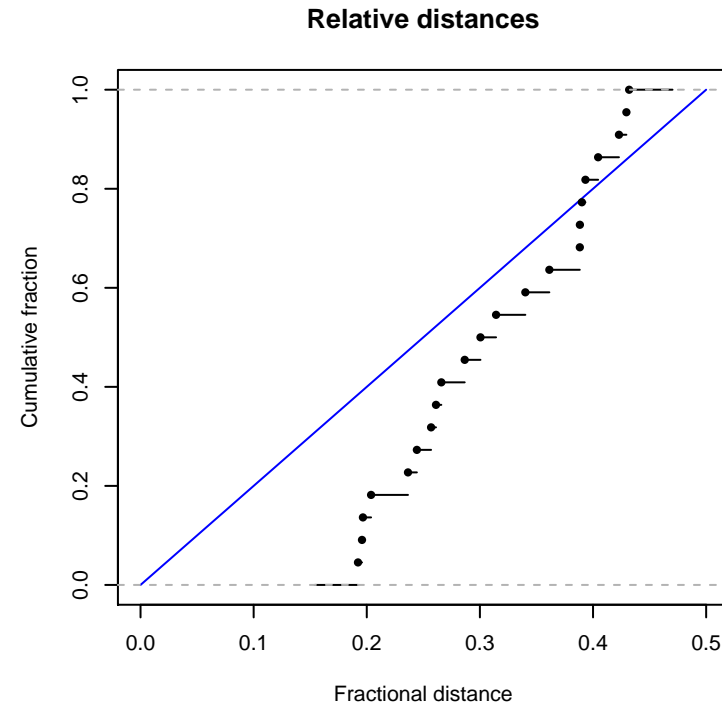
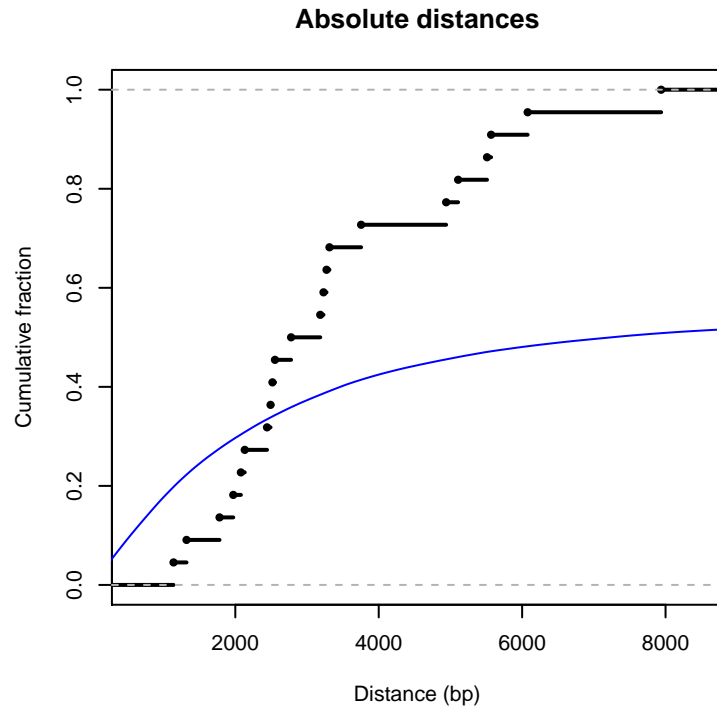
pcontig_012

Query population : 26
Reference population : 254
Relative Ks p-value : 0.0164461
Relative ecdf deviation area : 0.0773454
Relative ecdf area correlation : -0.307185
Relative ecdf deviation area p-value : 0.01
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 : 0.0322317
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



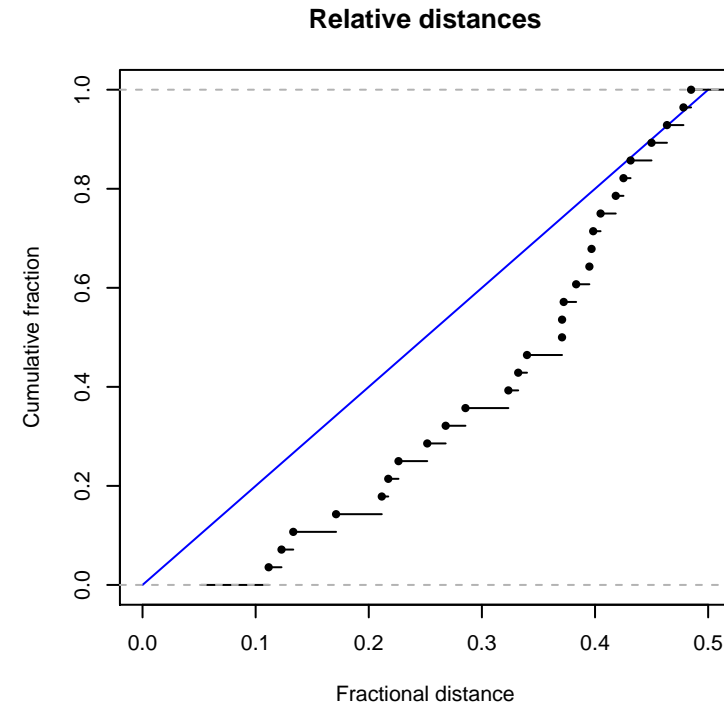
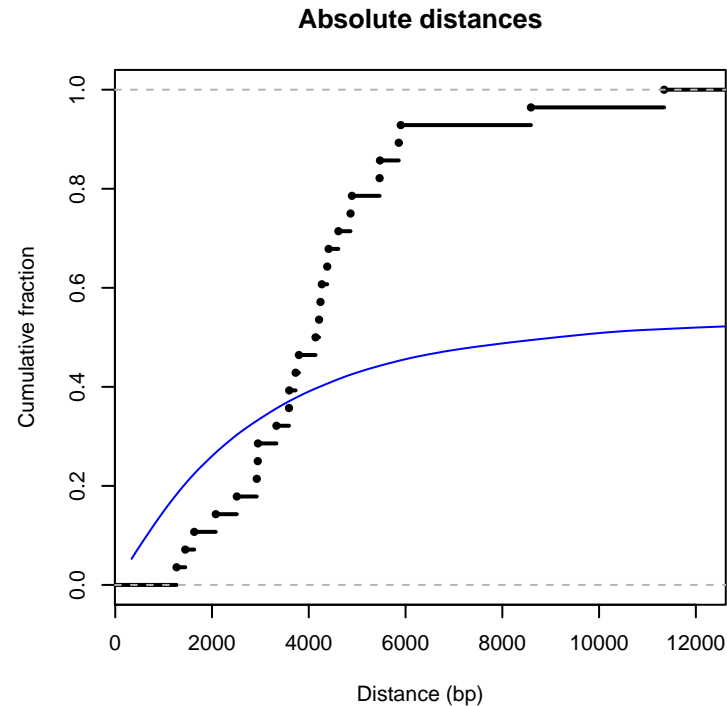
pcontig_013

Query population : 22
Reference population : 290
Relative Ks p-value : 0.00195234
Relative ecdf deviation area : 0.0762182
Relative ecdf area correlation : -0.255466
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.0371556
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



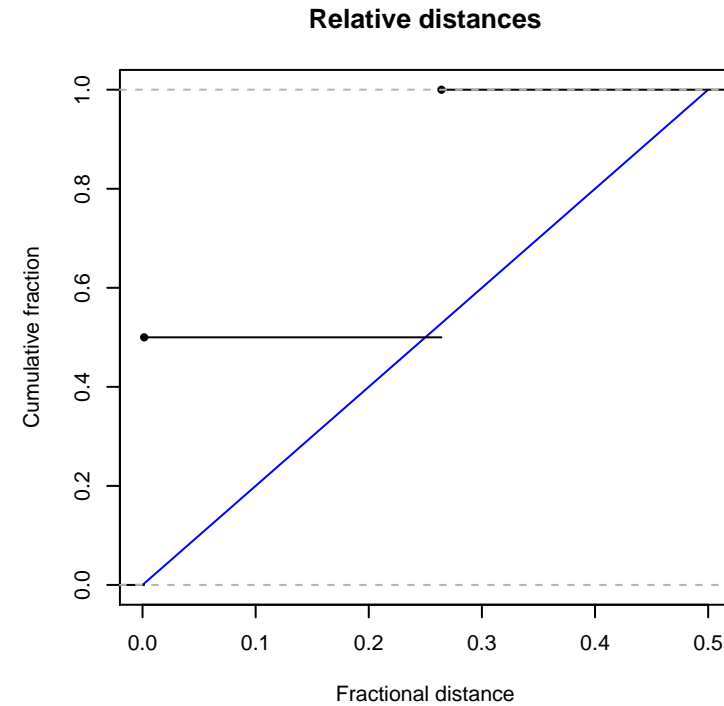
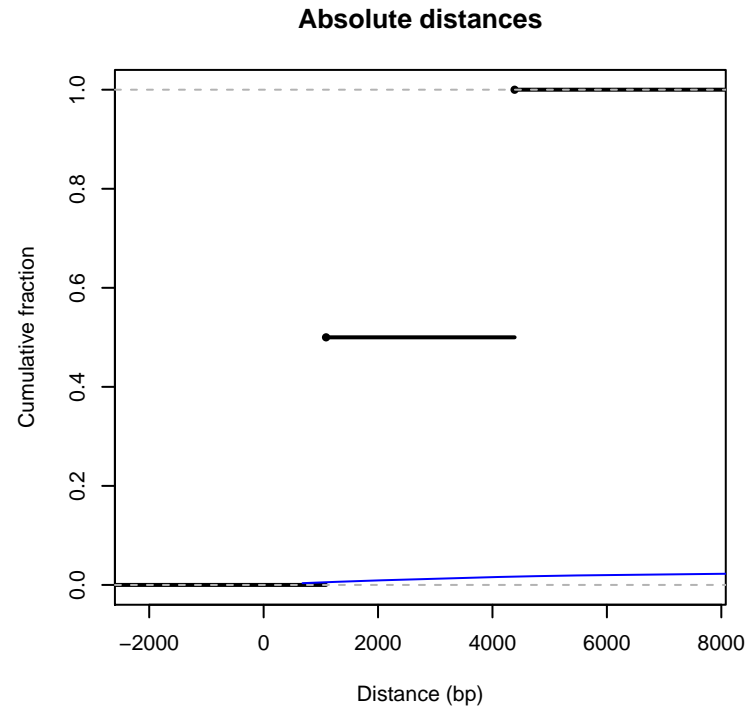
pcontig_014

Query population : 28
Reference population : 239
Relative Ks p-value : 0.0141955
Relative ecdf deviation area : 0.081055
Relative ecdf area correlation : -0.319762
Relative ecdf deviation area p-value : <0.01
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 : 0.0264923
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



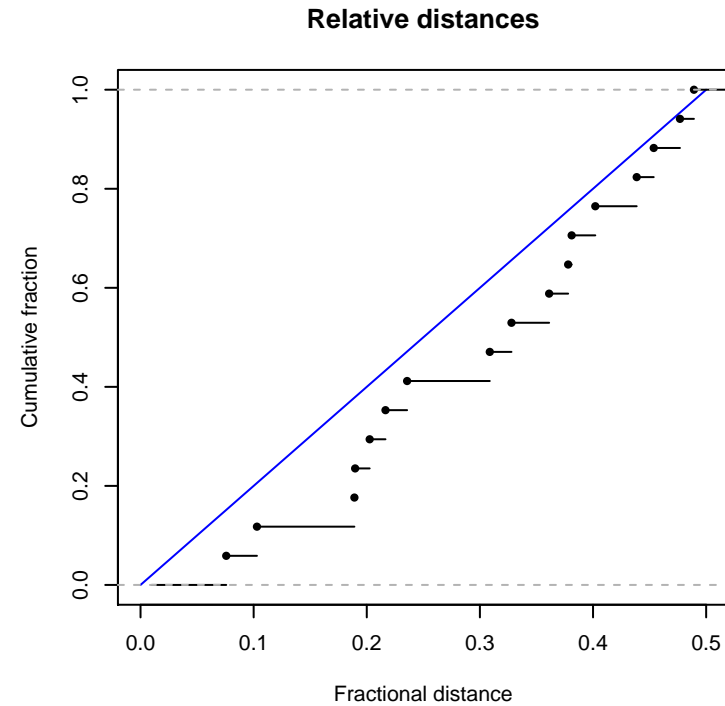
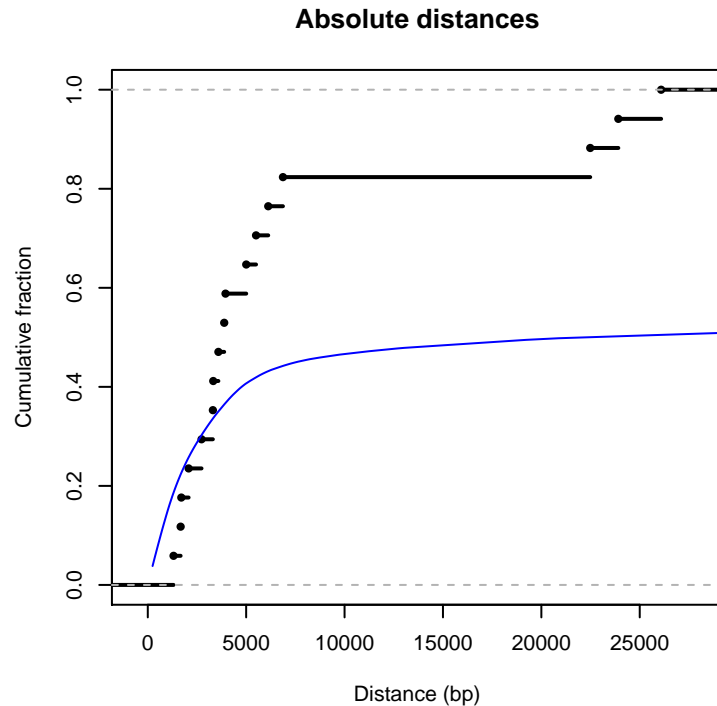
pcontig_015

Query population : 2
Reference population : 8
Relative Ks p-value : 0.511605
Relative ecdf deviation area : 0.1175
Relative ecdf area correlation : 0.468638
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 : 0.0047679
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



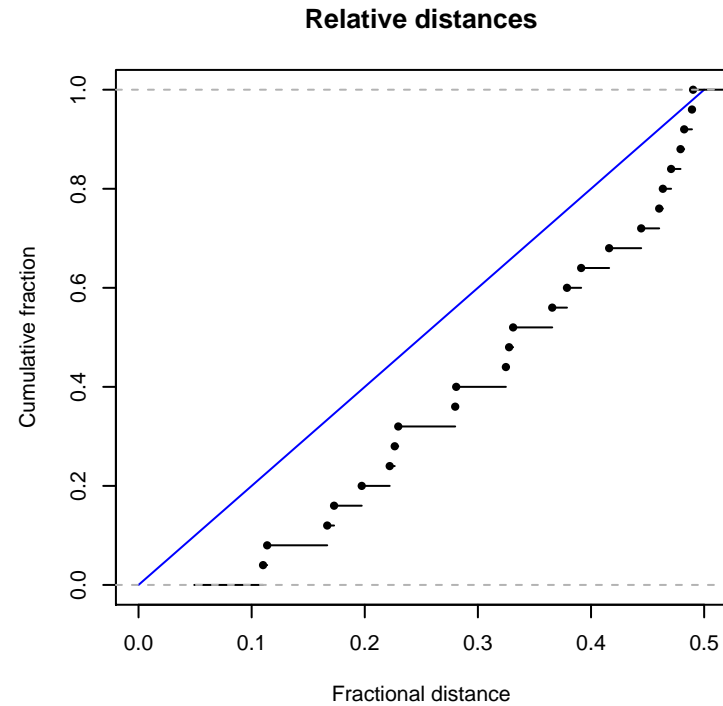
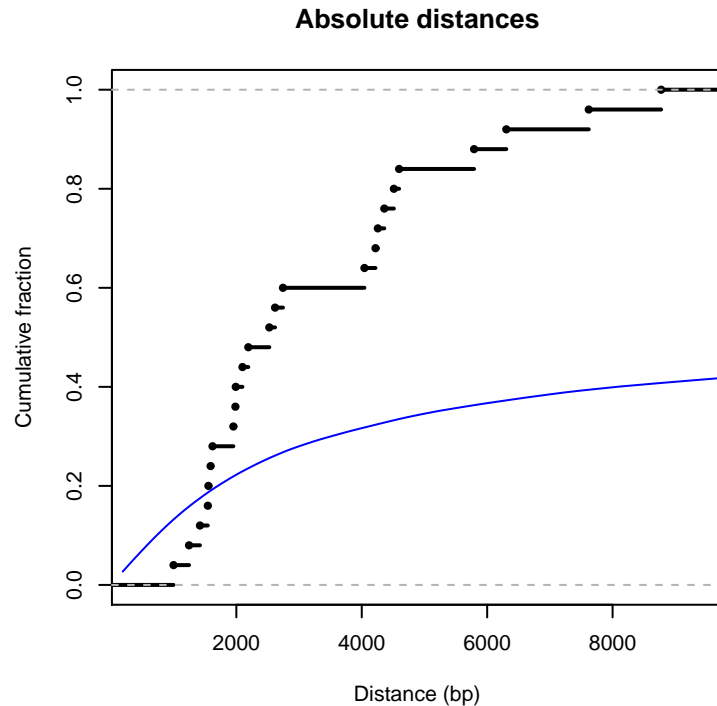
pcontig_016

Query population : 17
Reference population : 240
Relative Ks p-value : 0.166147
Relative ecdf deviation area : 0.0571465
Relative ecdf area correlation : -0.230487
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 : TRUE
Projection test p-value : 0.0980436
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



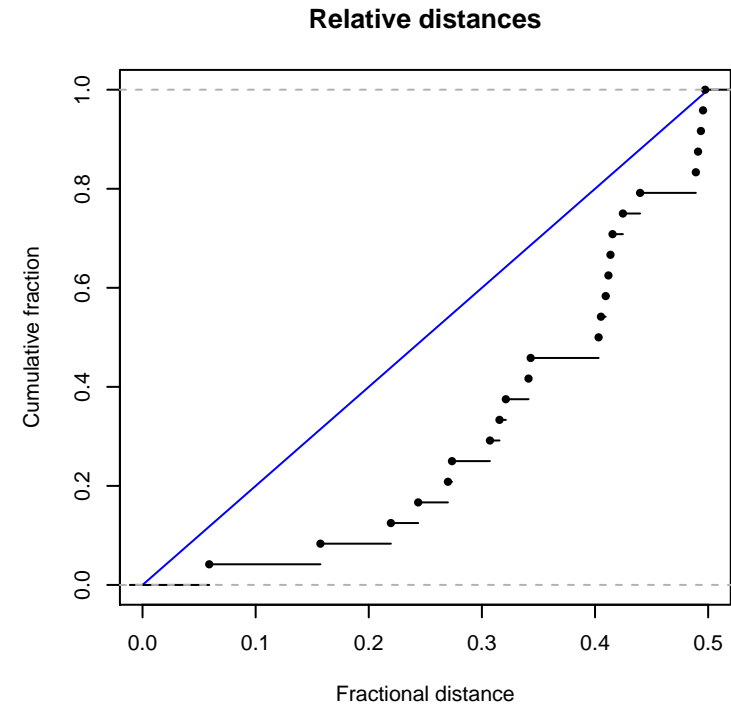
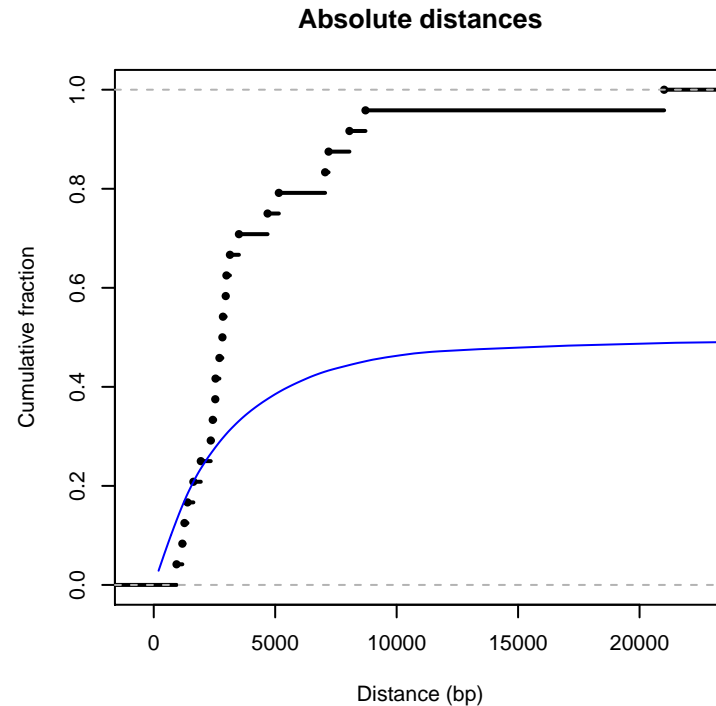
pcontig_017

Query population : 25
Reference population : 219
Relative Ks p-value : 0.0664159
Relative ecdf deviation area : 0.0828582
Relative ecdf area correlation : -0.330347
Relative ecdf deviation area p-value : <0.01
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 : 0.0561591
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



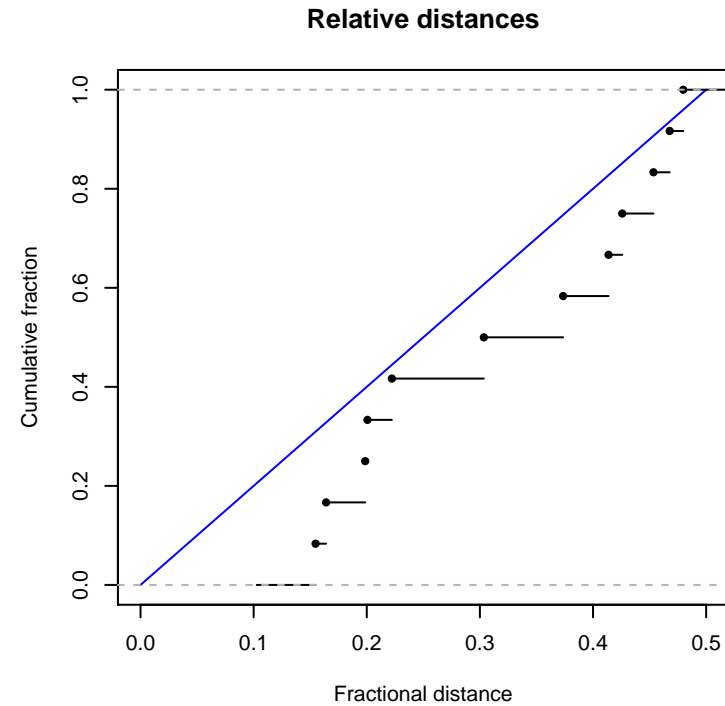
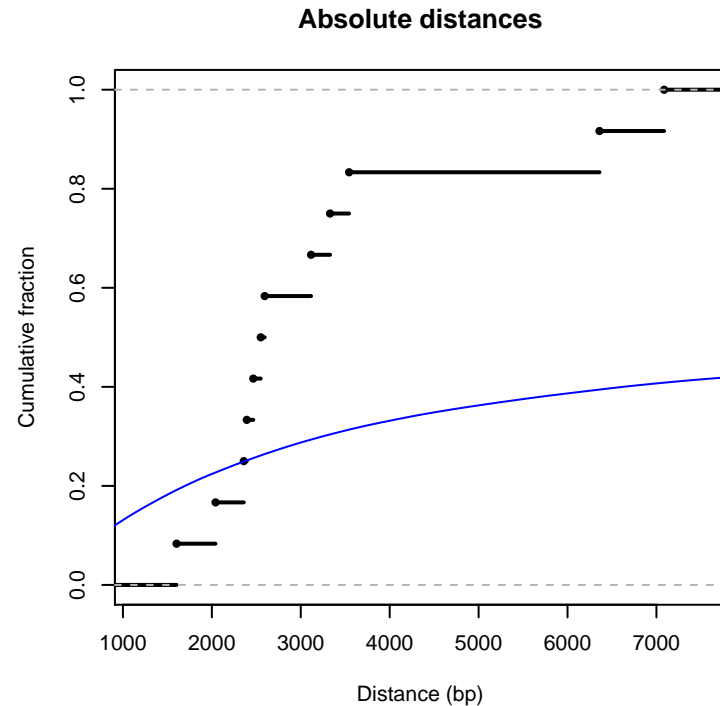
pcontig_018

Query population : 24
Reference population : 221
Relative Ks p-value : 0.00164281
Relative ecdf deviation area : 0.110285
Relative ecdf area correlation : -0.440164
Relative ecdf deviation area p-value : <0.01
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 : 0.0813832
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



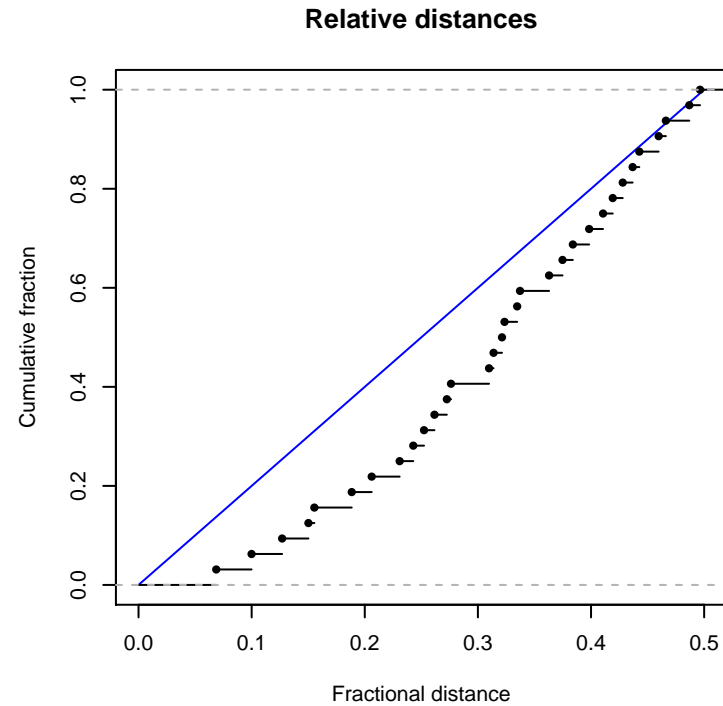
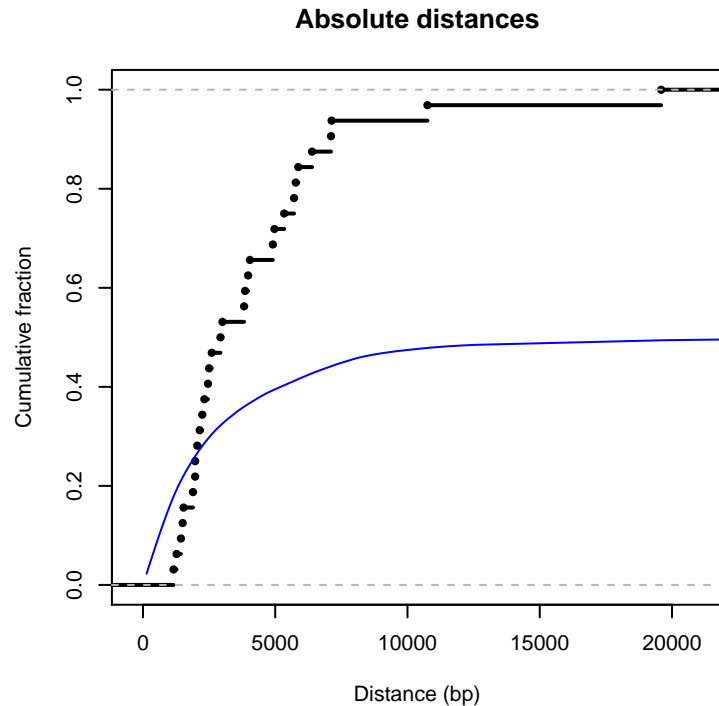
pcontig_019

Query population : 12
Reference population : 217
Relative Ks p-value : 0.161428
Relative ecdf deviation area : 0.0722682
Relative ecdf area correlation : -0.285886
Relative ecdf deviation area p-value : 0.11
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.04
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.284417
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



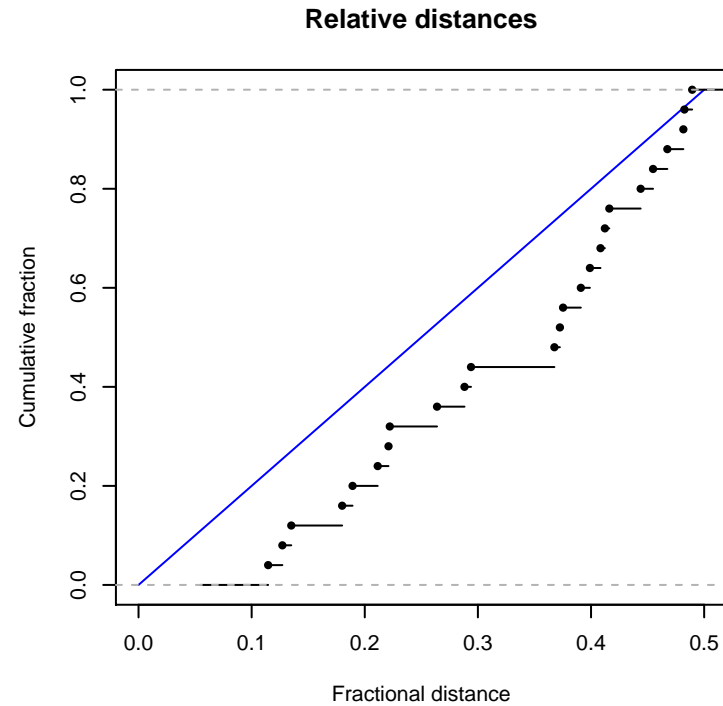
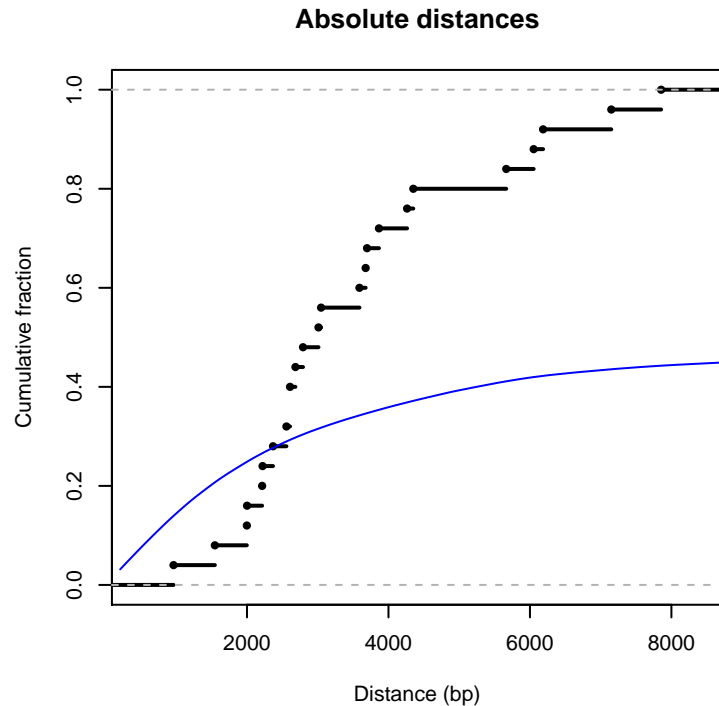
pcontig_020

Query population : 32
Reference population : 255
Relative Ks p-value : 0.0379801
Relative ecdf deviation area : 0.0642822
Relative ecdf area correlation : -0.254901
Relative ecdf deviation area p-value : 0.01
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 : 0.0179368
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



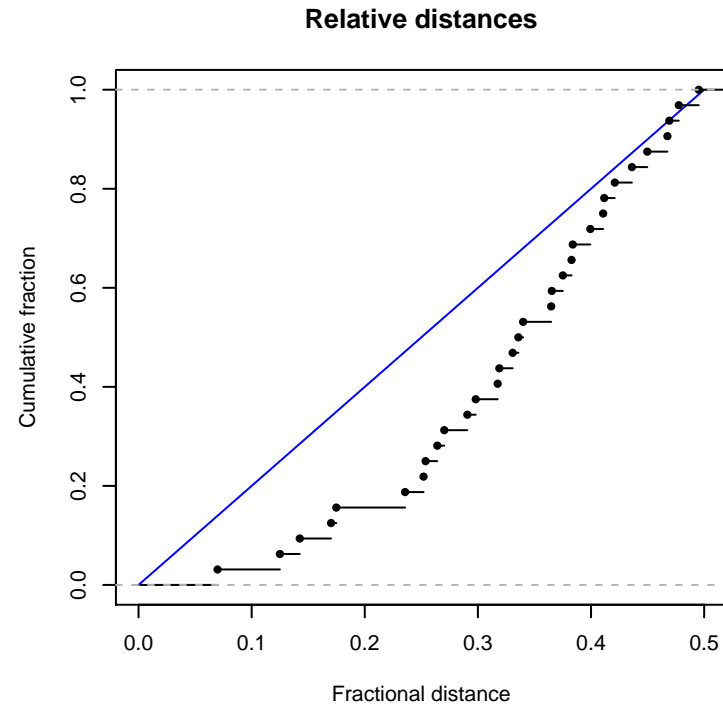
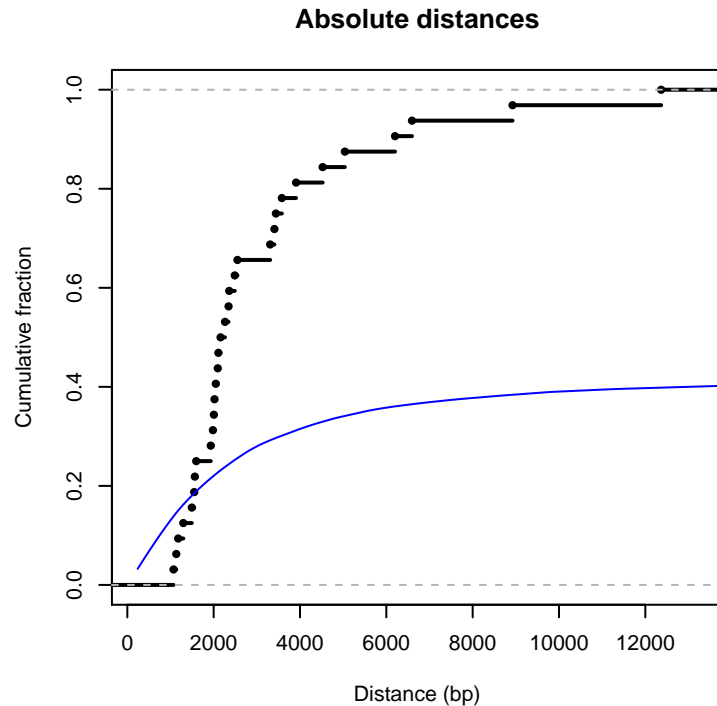
pcontig_021

Query population : 25
Reference population : 233
Relative Ks p-value : 0.0199514
Relative ecdf deviation area : 0.0783294
Relative ecdf area correlation : -0.313347
Relative ecdf deviation area p-value : 0.01
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 : 0.0321753
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



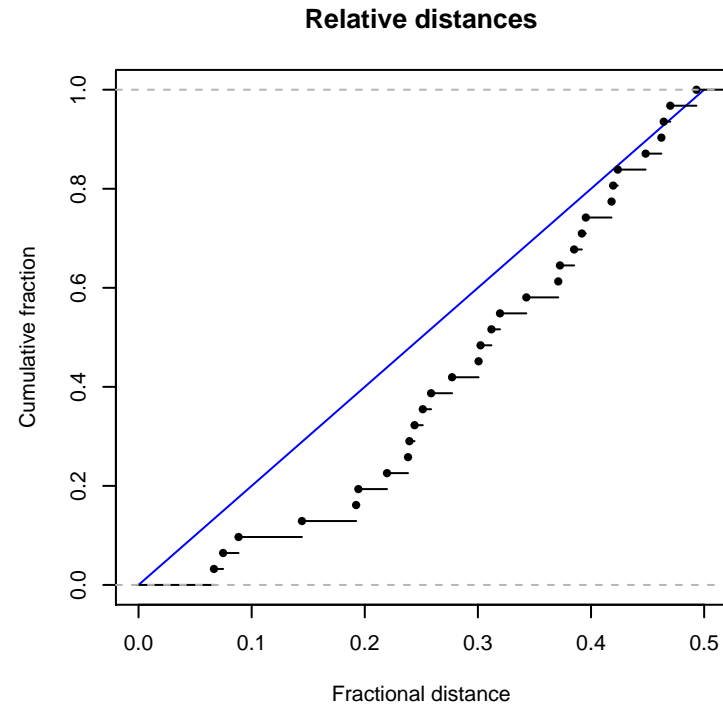
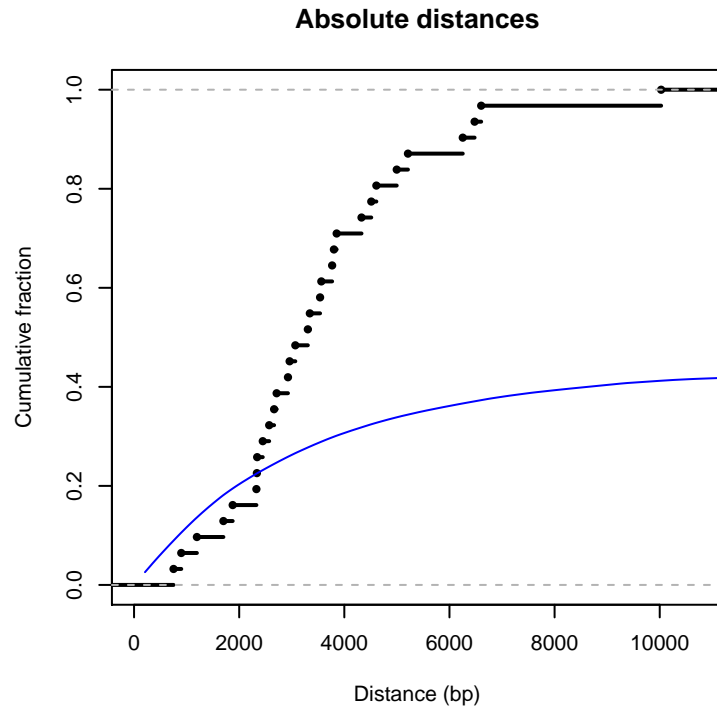
pcontig_022

Query population : 32
Reference population : 209
Relative Ks p-value : 0.00239721
Relative ecdf deviation area : 0.0783967
Relative ecdf area correlation : -0.312482
Relative ecdf deviation area p-value : <0.01
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 : 0.0291023
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



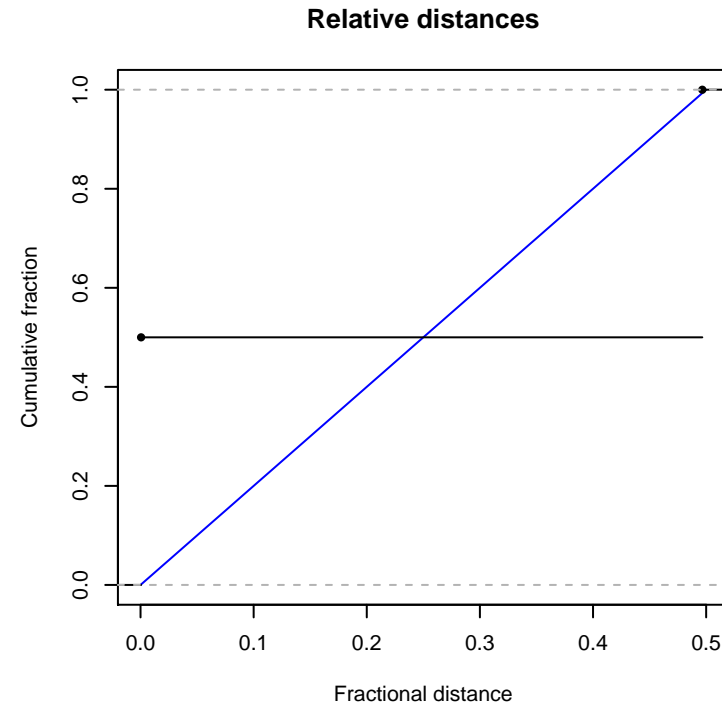
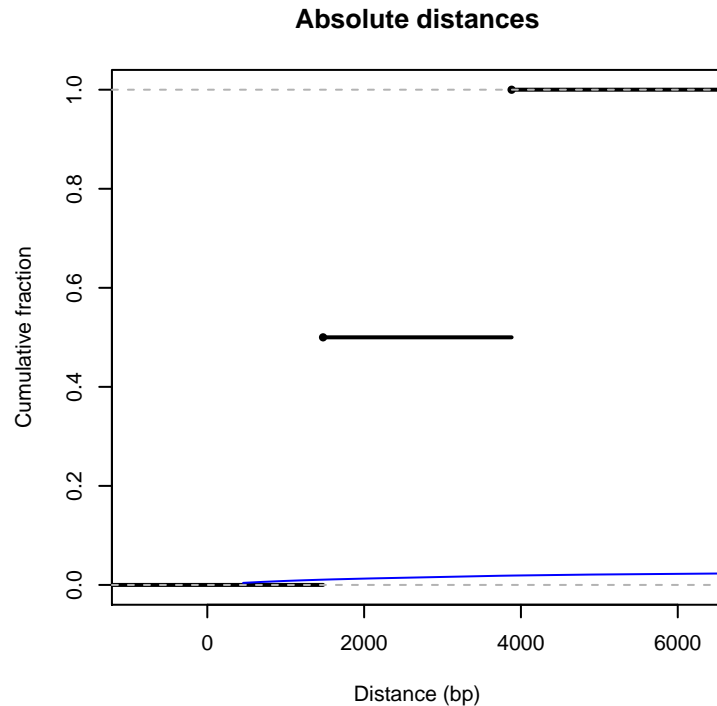
pcontig_023

Query population : 31
Reference population : 190
Relative Ks p-value : 0.0283192
Relative ecdf deviation area : 0.0588226
Relative ecdf area correlation : -0.236386
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 : TRUE
Projection test p-value : 0.0425274
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



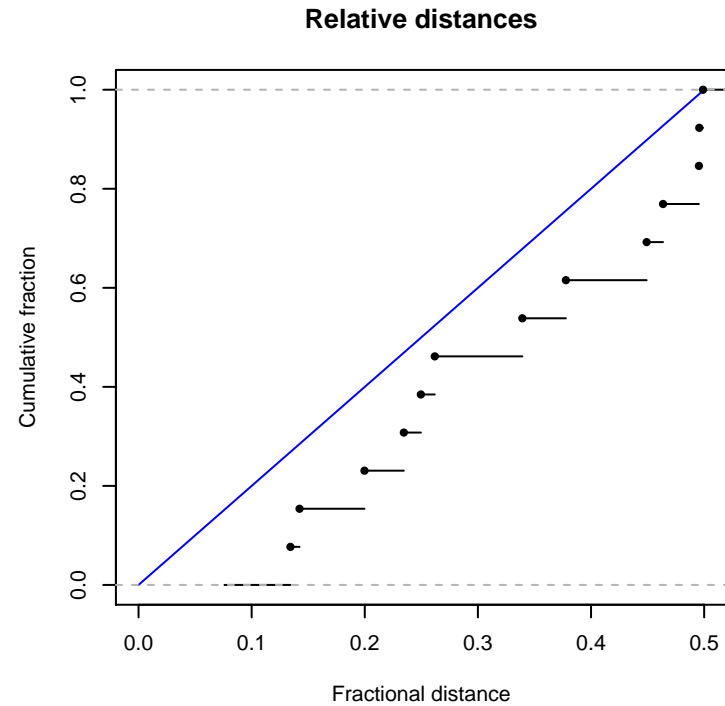
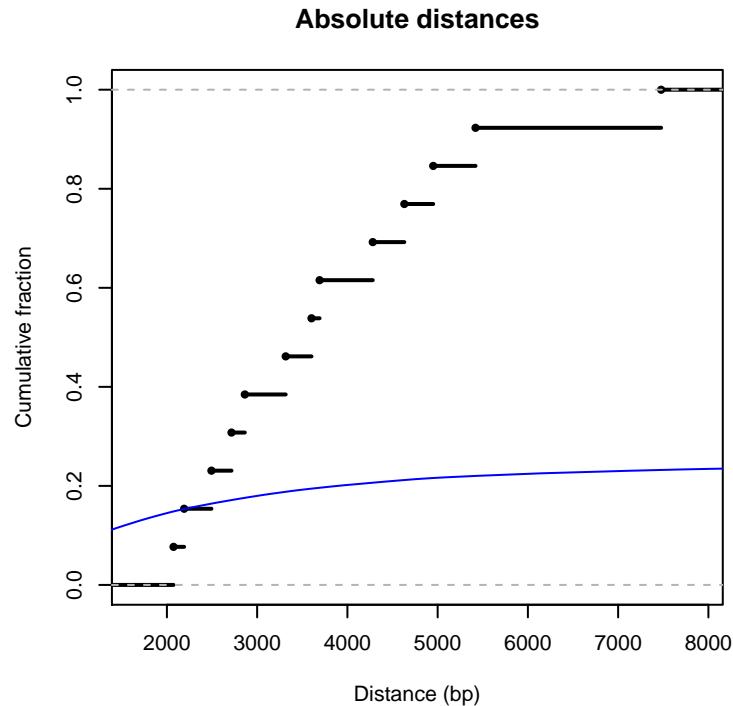
pcontig_024

Query population : 2
Reference population : 14
Relative Ks p-value : 0.503926
Relative ecdf deviation area : 0.123631
Relative ecdf area correlation : 0.00579839
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 : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0109117
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



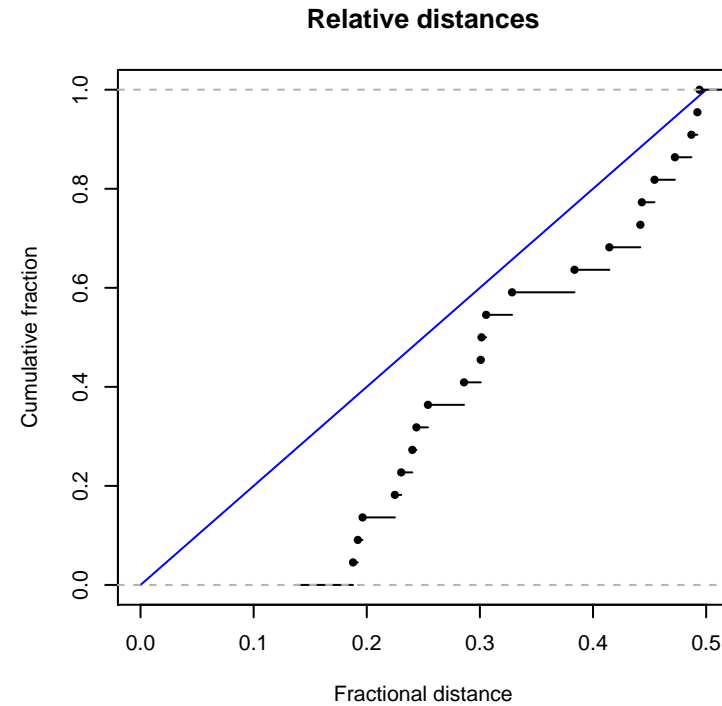
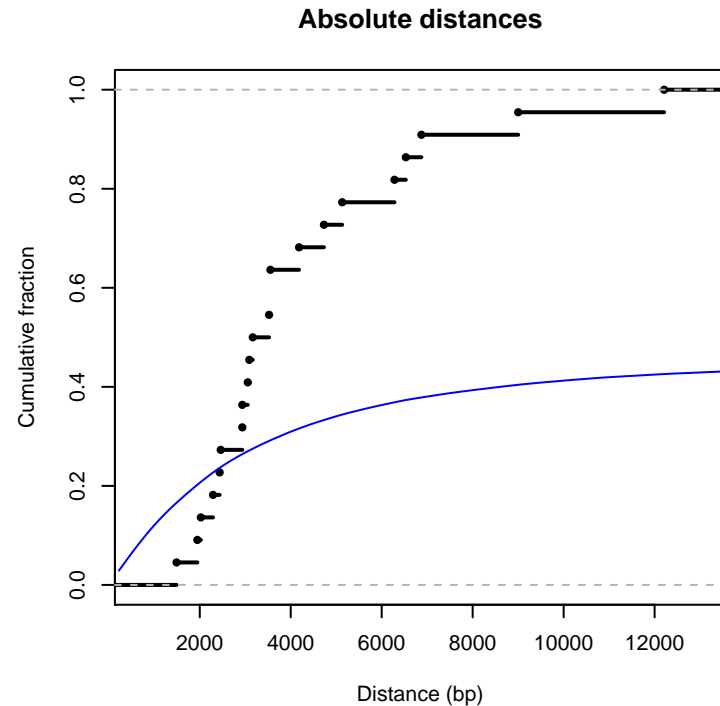
pcontig_025

Query population : 13
Reference population : 145
Relative Ks p-value : 0.205566
Relative ecdf deviation area : 0.0840011
Relative ecdf area correlation : -0.336085
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 : 0.07
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.472157
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



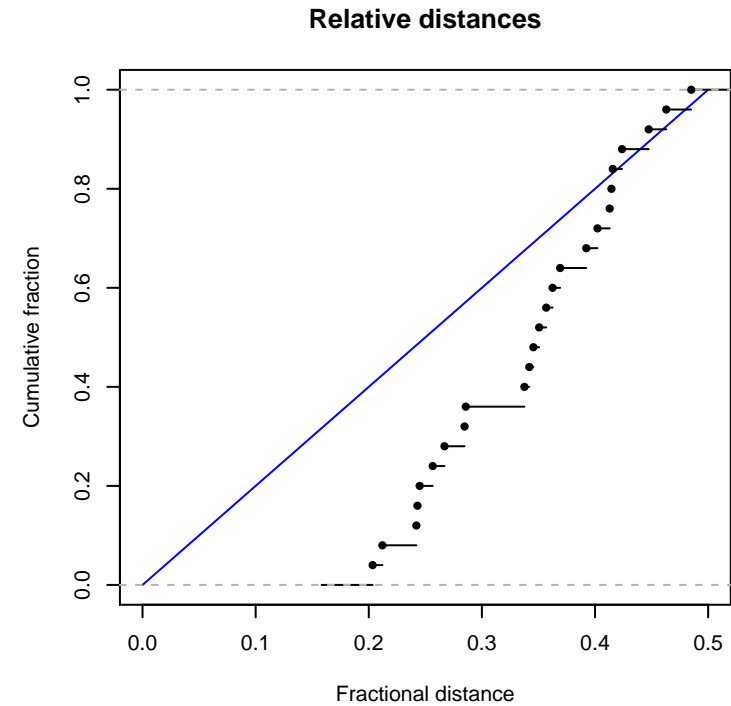
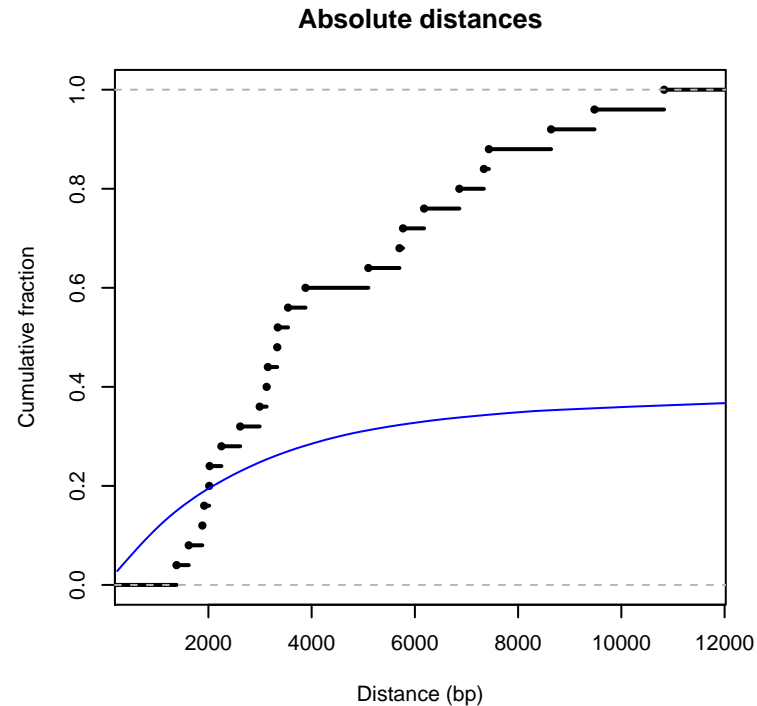
pcontig_026

Query population : 22
Reference population : 198
Relative Ks p-value : 0.00268365
Relative ecdf deviation area : 0.0851238
Relative ecdf area correlation : -0.340906
Relative ecdf deviation area p-value : 0.01
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 : 0.162679
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



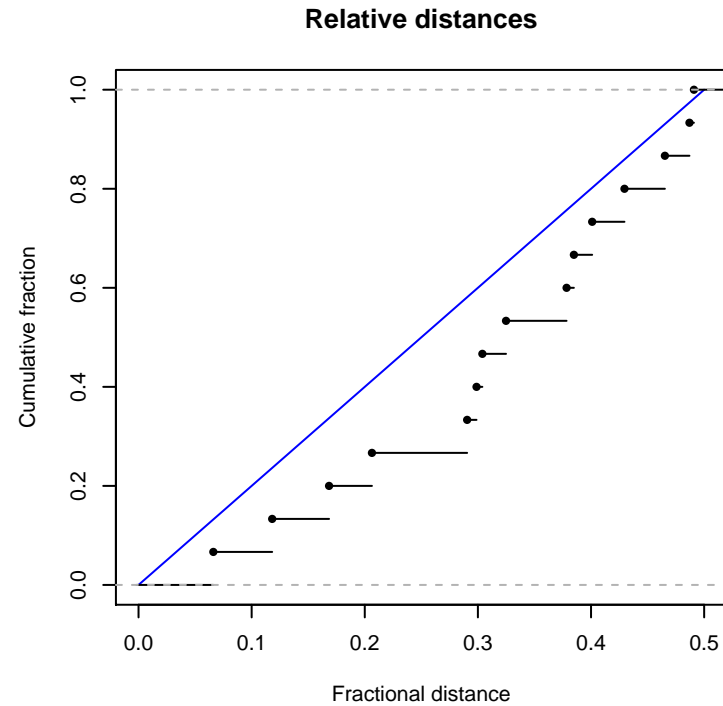
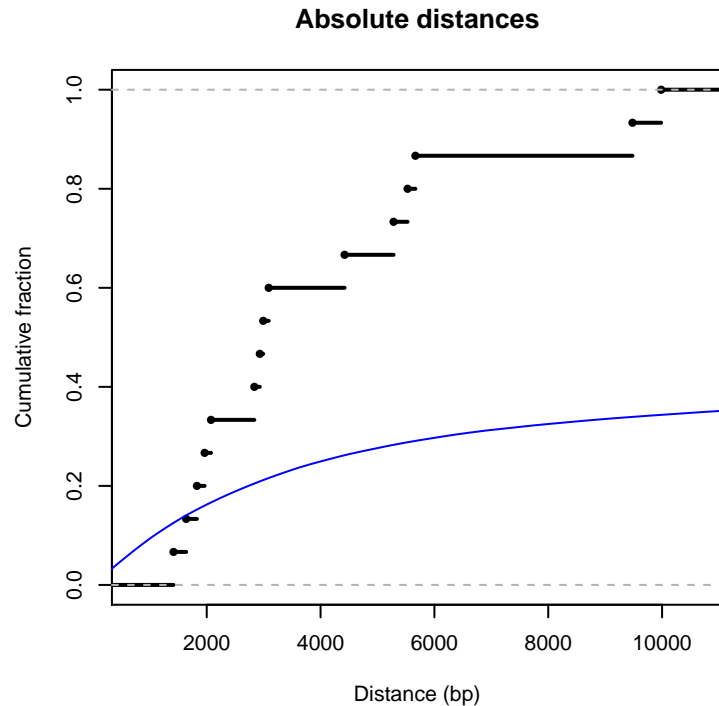
pcontig_027

Query population : 25
Reference population : 184
Relative Ks p-value : 0.000297752
Relative ecdf deviation area : 0.0940393
Relative ecdf area correlation : -0.369672
Relative ecdf deviation area p-value : 0.01
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 : 0.121785
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



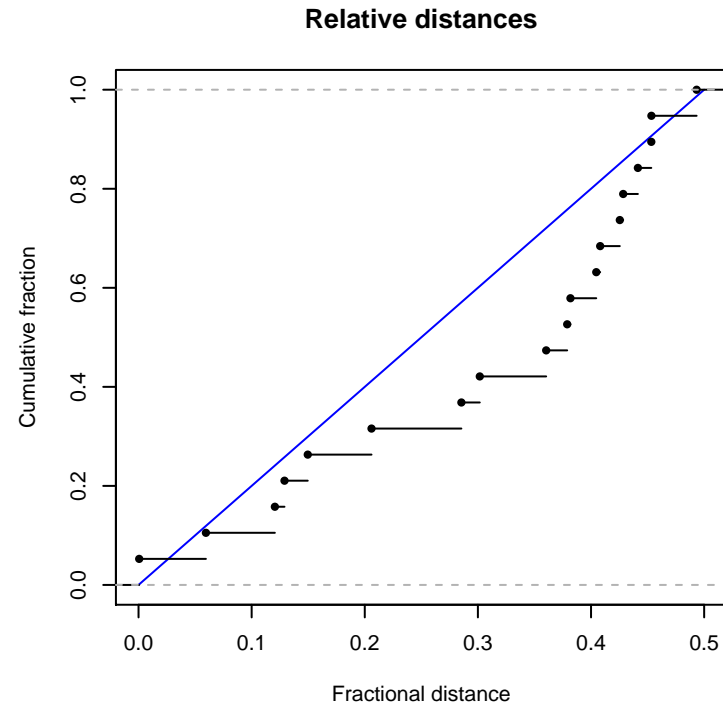
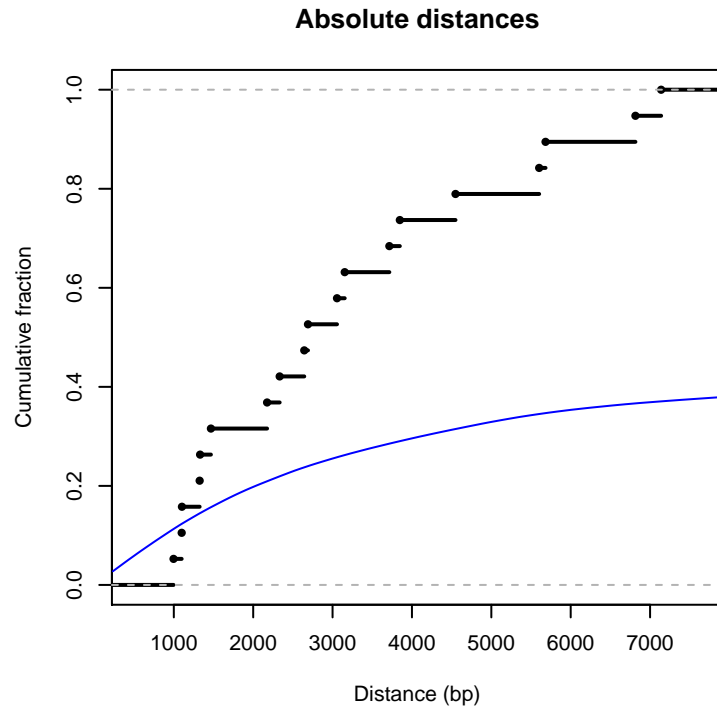
pcontig_028

Query population : 15
Reference population : 151
Relative Ks p-value : 0.0814399
Relative ecdf deviation area : 0.0713787
Relative ecdf area correlation : -0.2838
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 : 0.09
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.226743
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



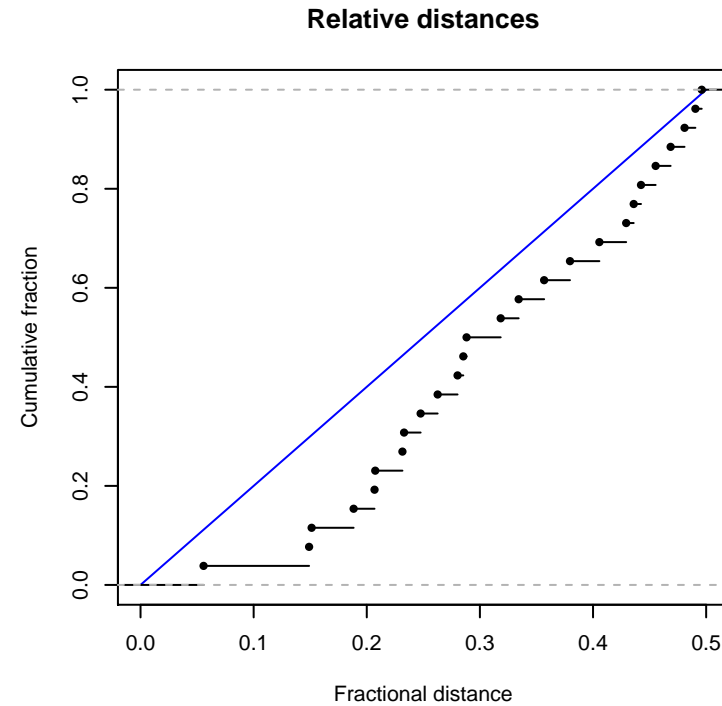
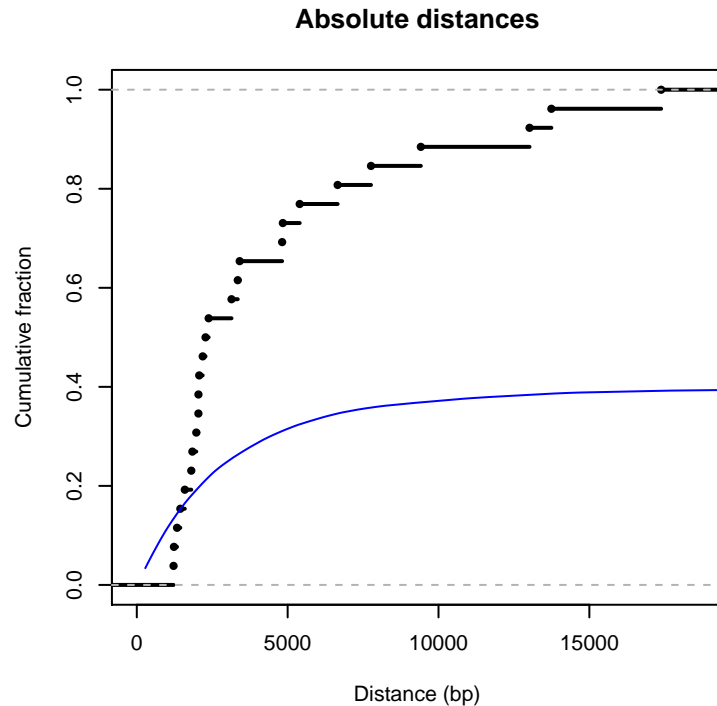
pcontig_029

Query population : 19
Reference population : 182
Relative Ks p-value : 0.0521927
Relative ecdf deviation area : 0.0611609
Relative ecdf area correlation : -0.238207
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 : 0.02
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.215682
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



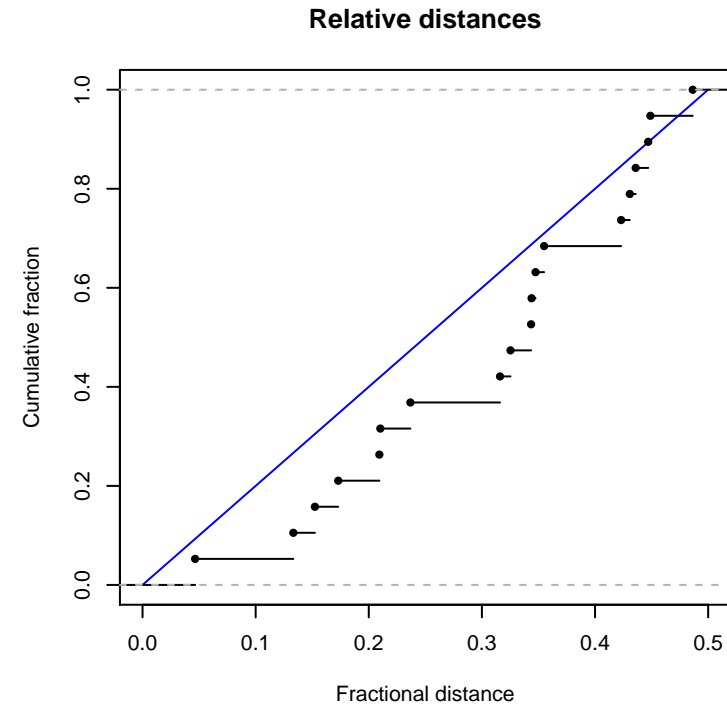
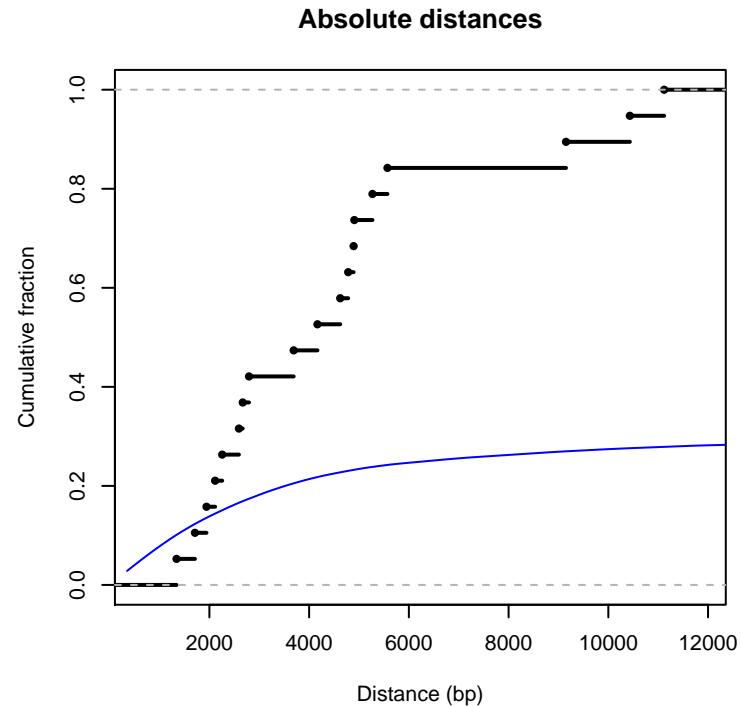
pcontig_030

Query population : 26
Reference population : 185
Relative Ks p-value : 0.0468342
Relative ecdf deviation area : 0.0688524
Relative ecdf area correlation : -0.274012
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 : TRUE
Projection test p-value : 0.0911909
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



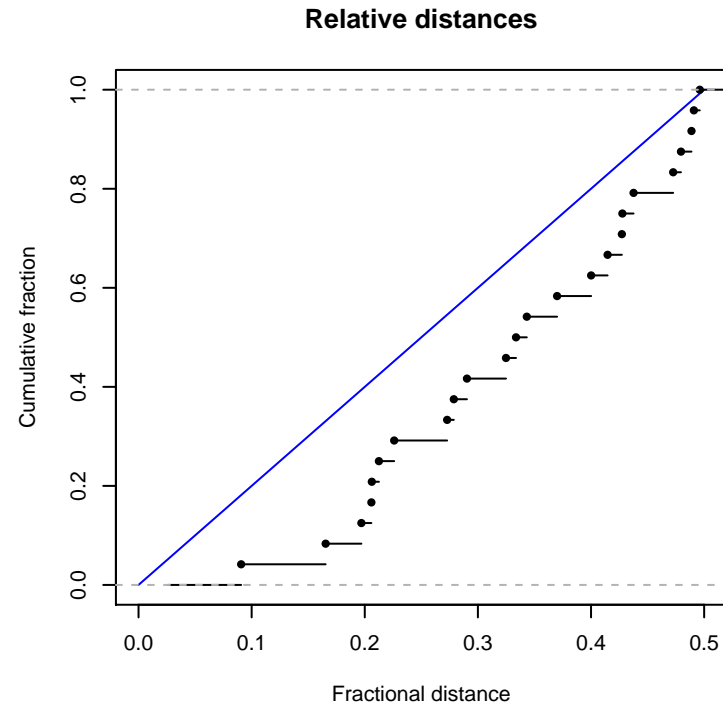
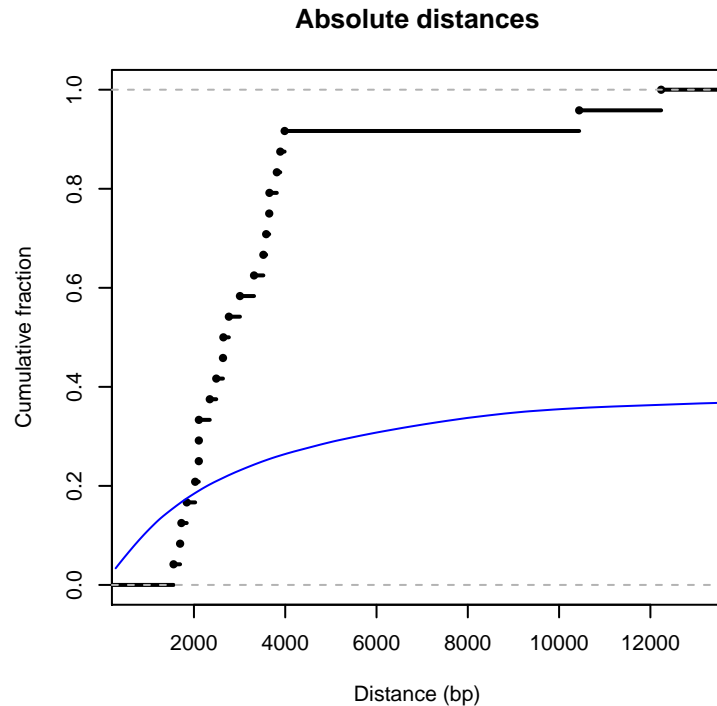
pcontig_031

Query population : 19
Reference population : 124
Relative Ks p-value : 0.117944
Relative ecdf deviation area : 0.0603917
Relative ecdf area correlation : -0.234676
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 : TRUE
Projection test p-value : 0.294864
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



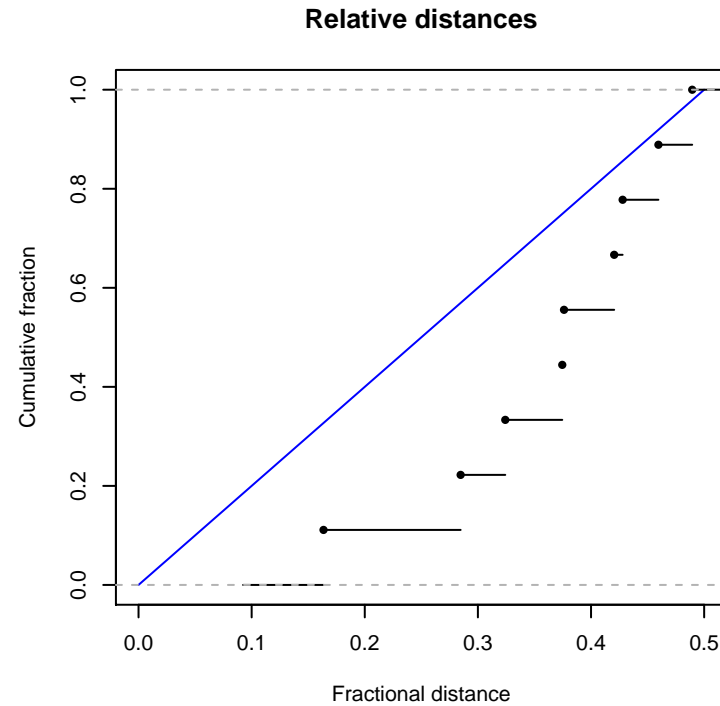
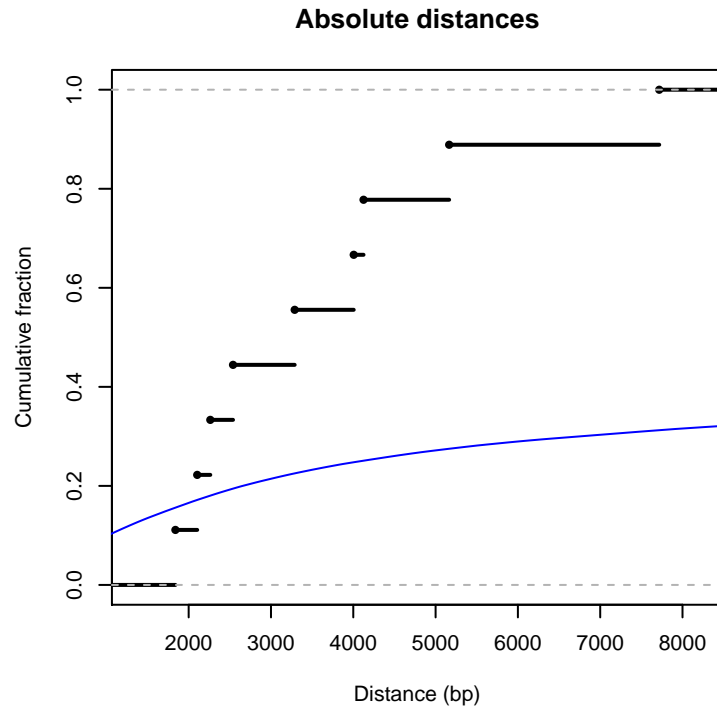
pcontig_033

Query population : 24
Reference population : 181
Relative Ks p-value : 0.0148265
Relative ecdf deviation area : 0.0852927
Relative ecdf area correlation : -0.342101
Relative ecdf deviation area p-value : <0.01
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 : 0.153737
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



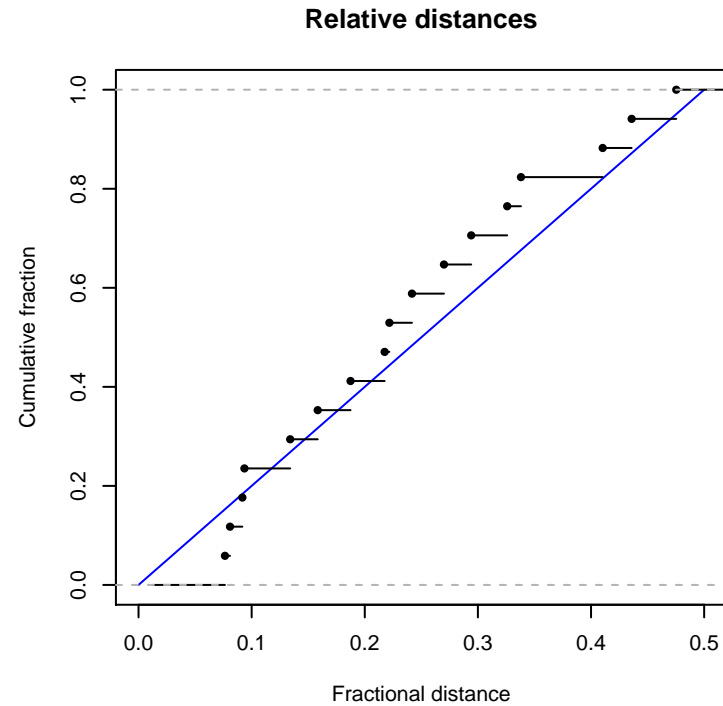
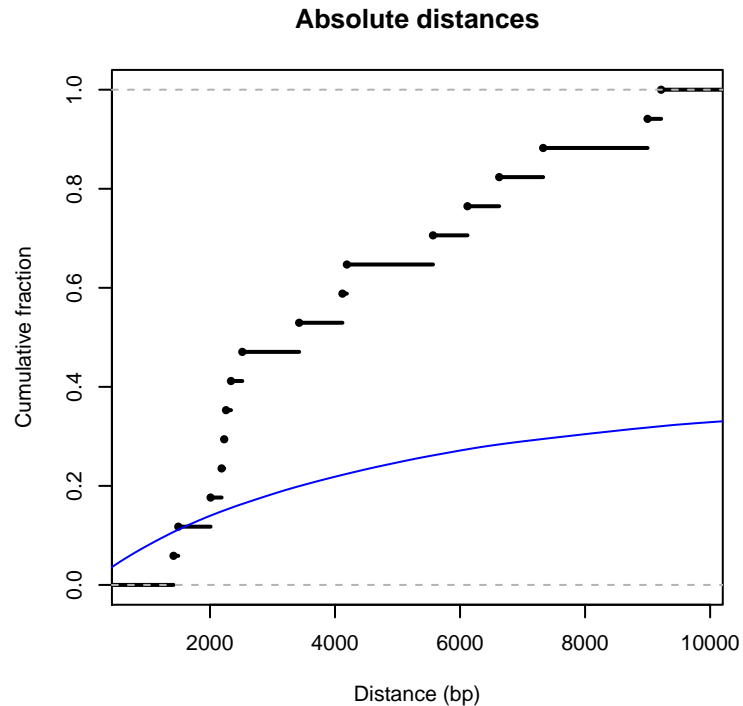
pcontig_034

Query population : 9
Reference population : 163
Relative Ks p-value : 0.0300572
Relative ecdf deviation area : 0.119225
Relative ecdf area correlation : -0.475818
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.25
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.468237
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



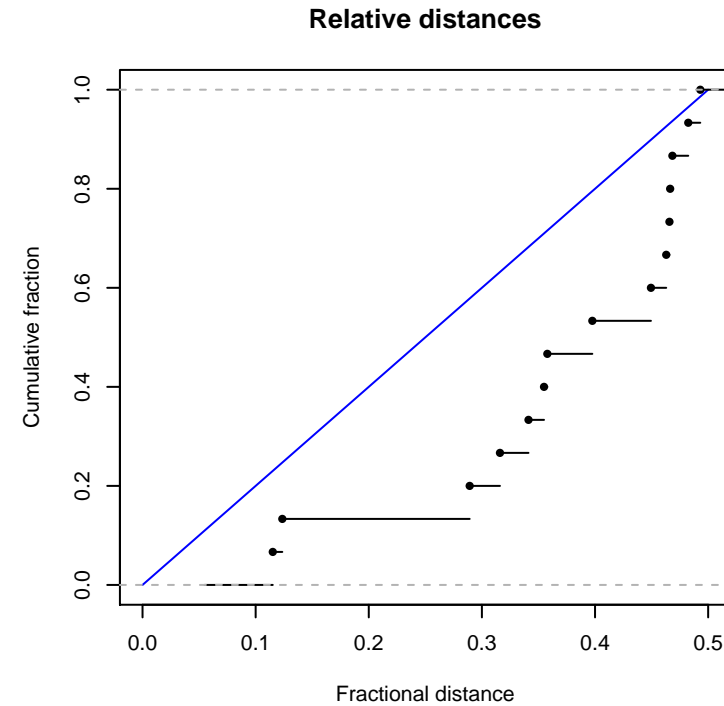
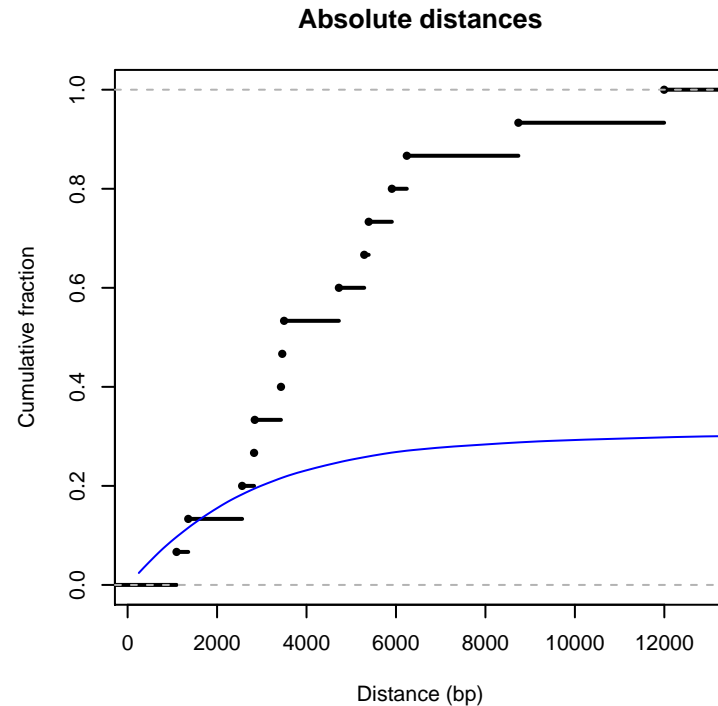
pcontig_035

Query population : 17
Reference population : 129
Relative Ks p-value : 0.768029
Relative ecdf deviation area : 0.0279235
Relative ecdf area correlation : 0.0463084
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 : 0.13
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.347001
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



pcontig_036

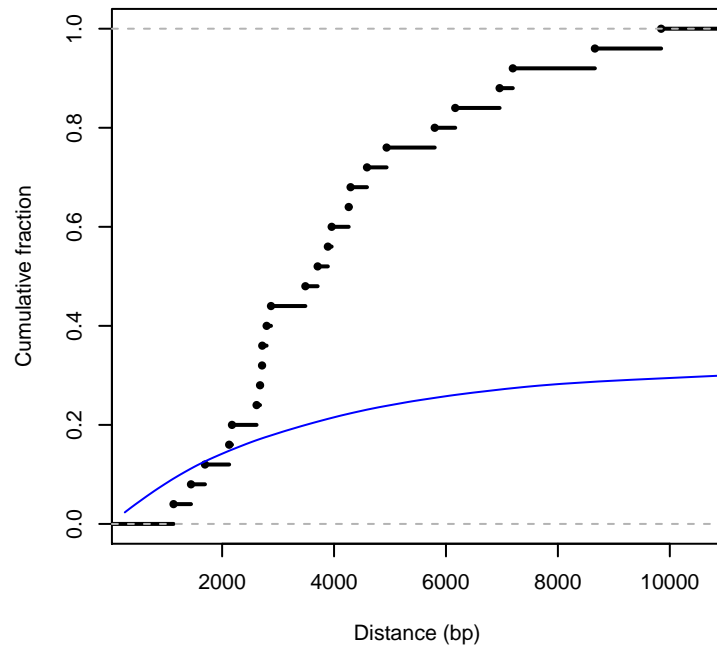
Query population : 15
Reference population : 148
Relative Ks p-value : 0.00316148
Relative ecdf deviation area : 0.122685
Relative ecdf area correlation : -0.489031
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.1
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.357758
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



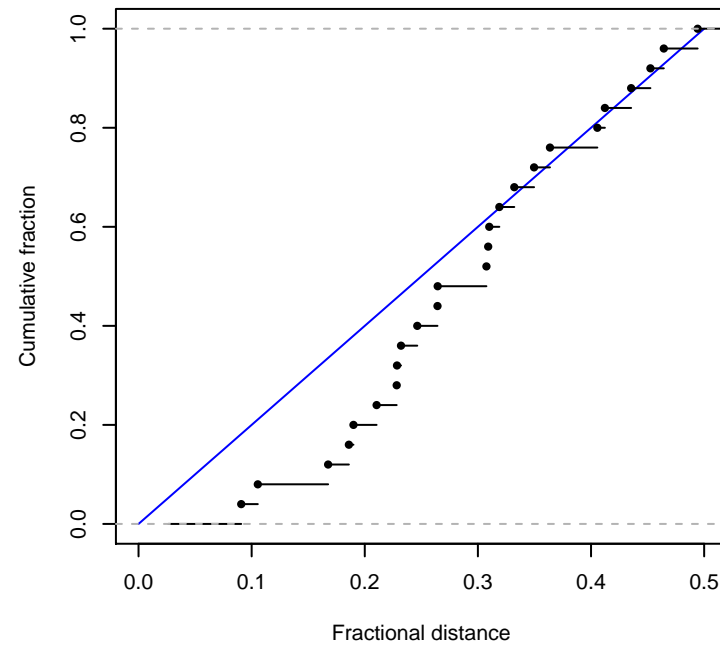
pcontig_037

Query population : 25
Reference population : 137
Relative Ks p-value : 0.063644
Relative ecdf deviation area : 0.0463157
Relative ecdf area correlation : -0.179148
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 : 0.05
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.1755
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

Absolute distances

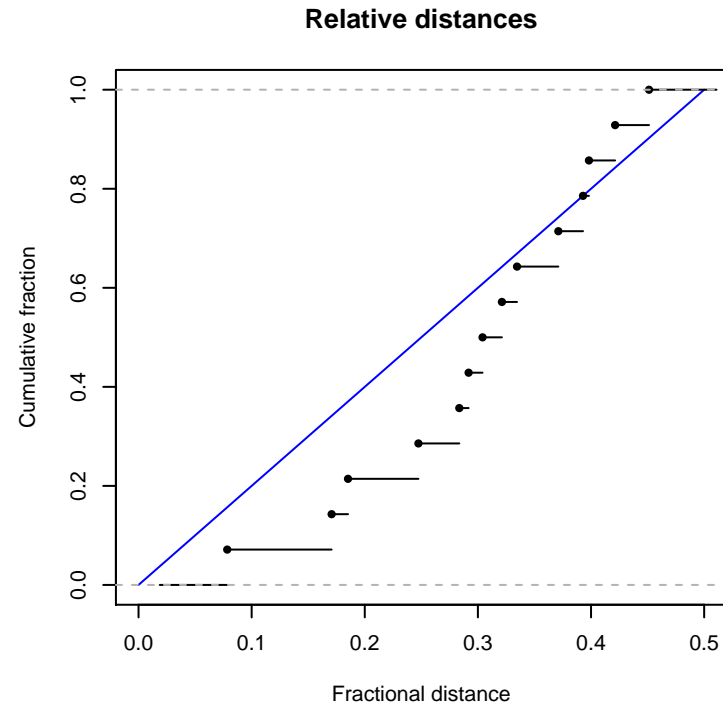
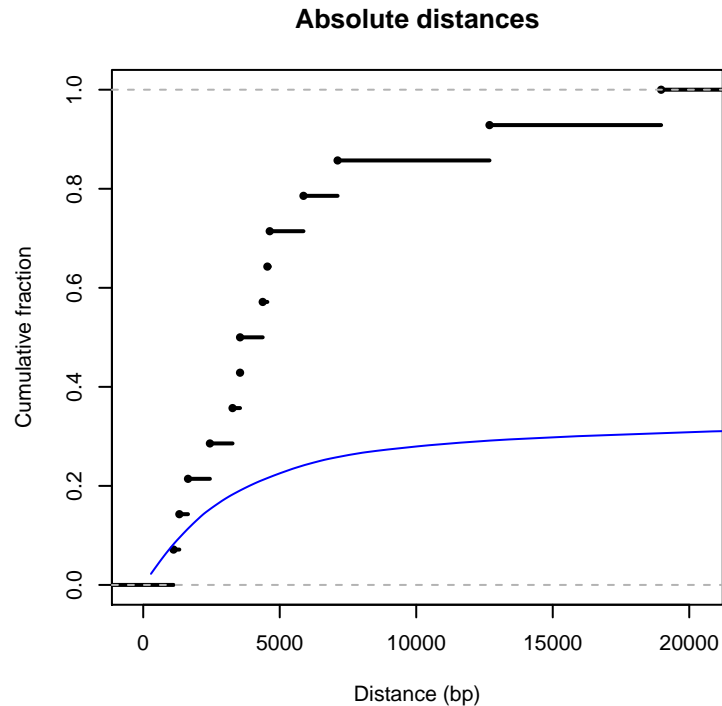


Relative distances



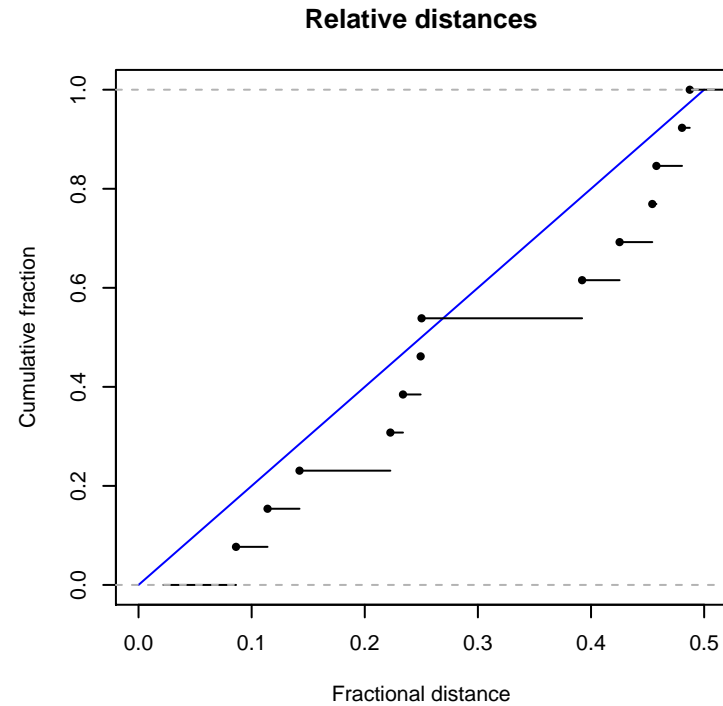
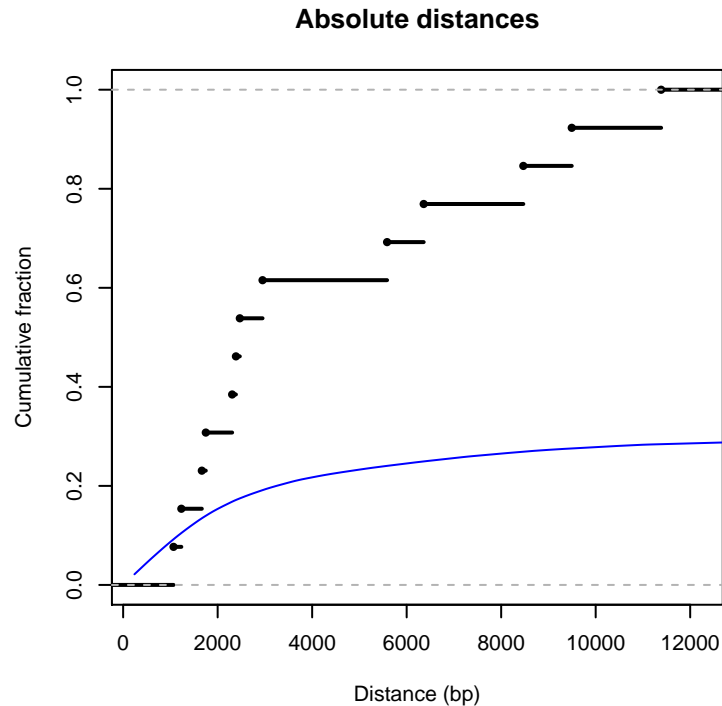
pcontig_039

Query population : 14
Reference population : 121
Relative Ks p-value : 0.179162
Relative ecdf deviation area : 0.063443
Relative ecdf area correlation : -0.214783
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 : 0.12
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.372047
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



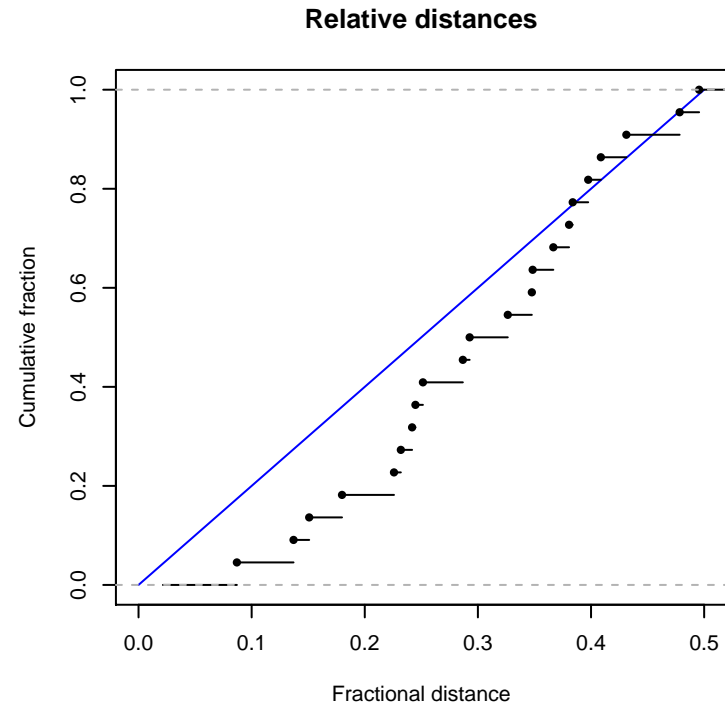
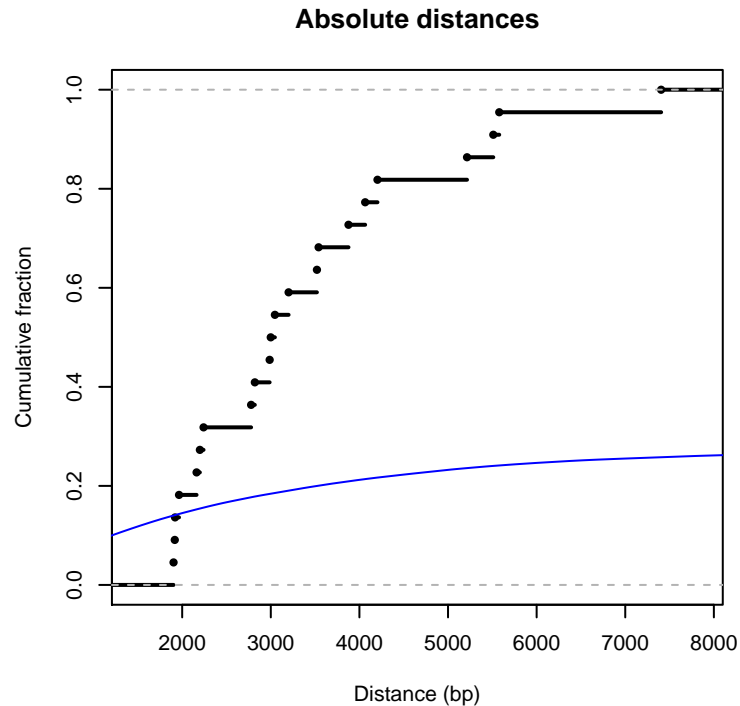
pcontig_040

Query population : 13
Reference population : 138
Relative Ks p-value : 0.353226
Relative ecdf deviation area : 0.0580146
Relative ecdf area correlation : -0.229399
Relative ecdf deviation area p-value : 0.18
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.2
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.370001
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



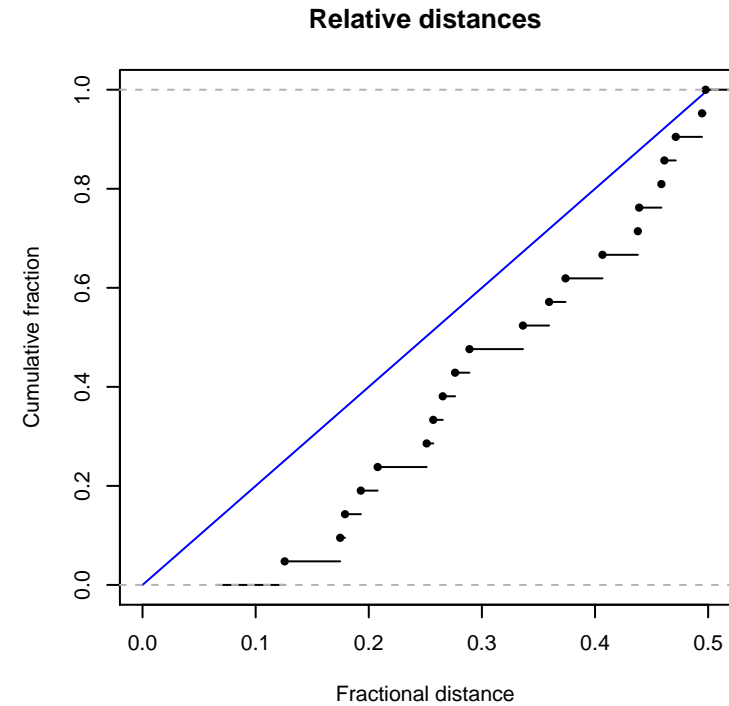
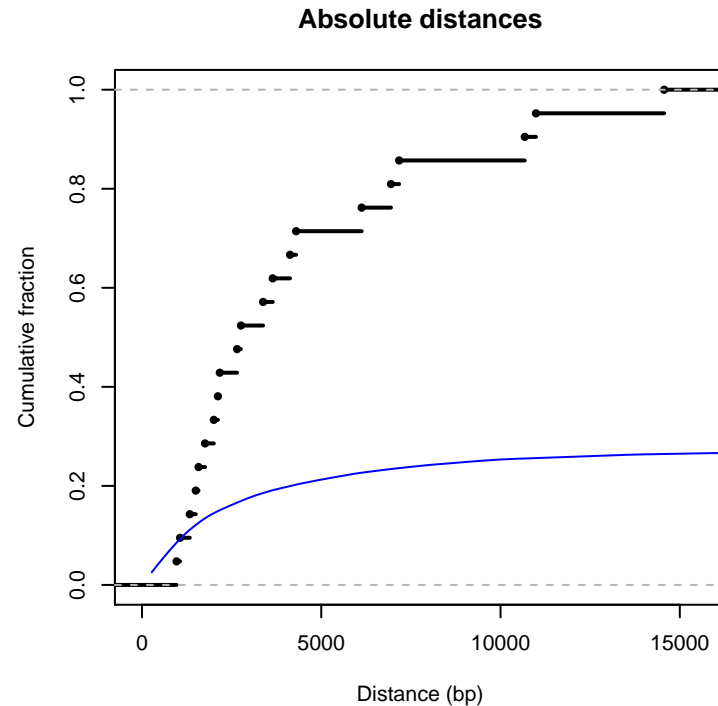
pcontig_041

Query population : 22
Reference population : 142
Relative Ks p-value : 0.0662696
Relative ecdf deviation area : 0.0568266
Relative ecdf area correlation : -0.21722
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 : 0.03
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.219339
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



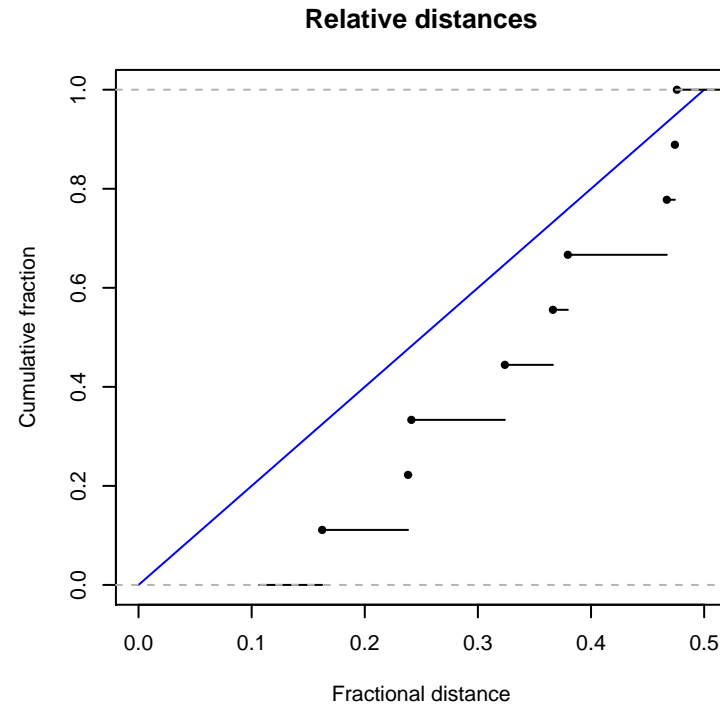
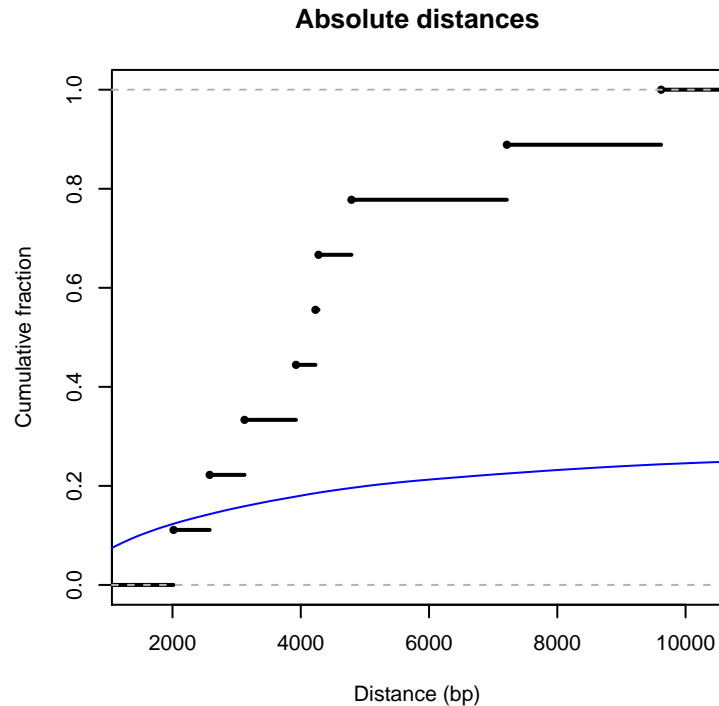
pcontig_042

Query population : 21
Reference population : 144
Relative Ks p-value : 0.0341164
Relative ecdf deviation area : 0.0812755
Relative ecdf area correlation : -0.324892
Relative ecdf deviation 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 : TRUE
Projection test p-value : 0.241692
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



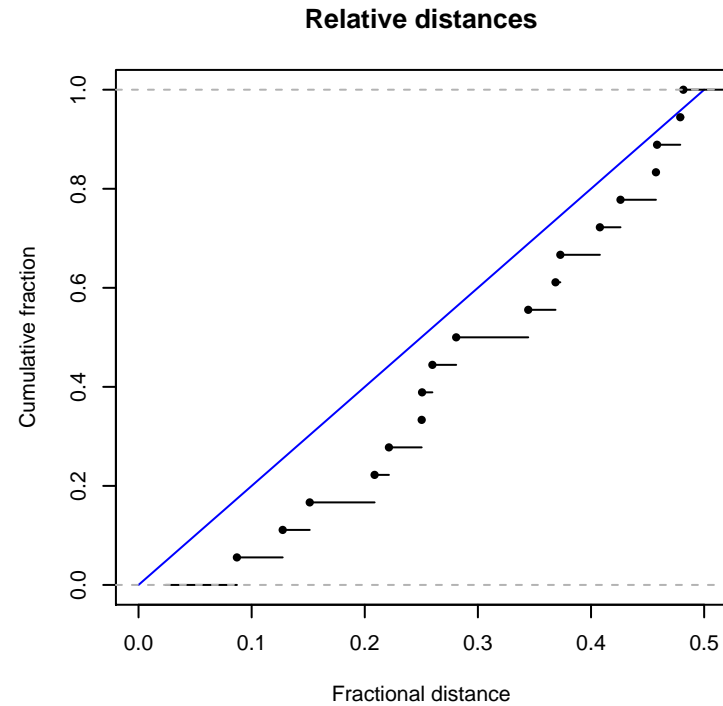
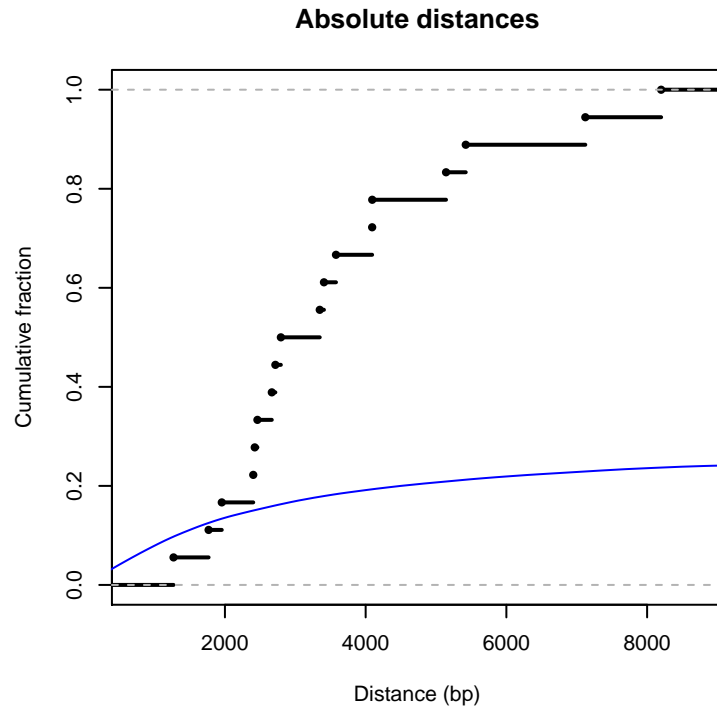
pcontig_043

Query population : 9
Reference population : 113
Relative Ks p-value : 0.138985
Relative ecdf deviation area : 0.0992087
Relative ecdf area correlation : -0.39043
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 : 0.31
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.391136
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



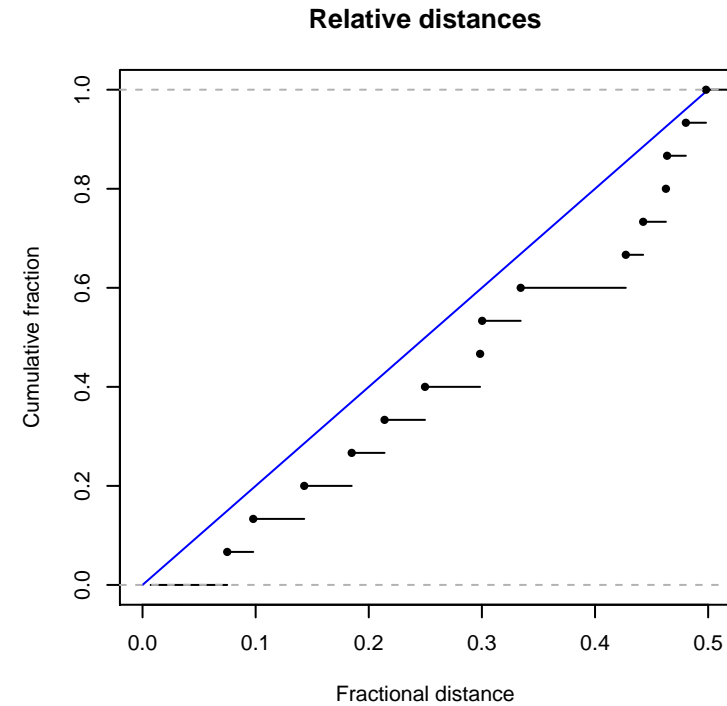
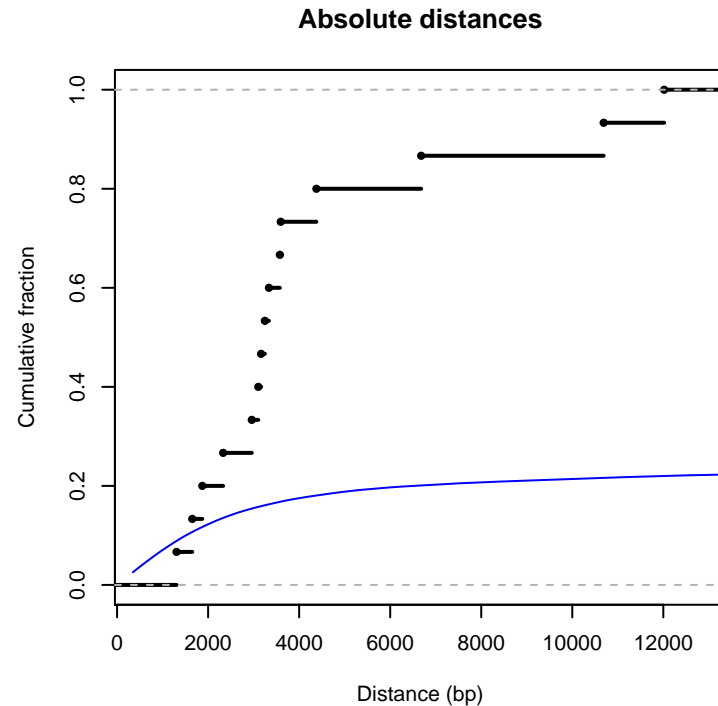
pcontig_044

Query population : 18
Reference population : 126
Relative Ks p-value : 0.175004
Relative ecdf deviation area : 0.0634921
Relative ecdf area correlation : -0.251885
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 : 0.08
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.293872
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



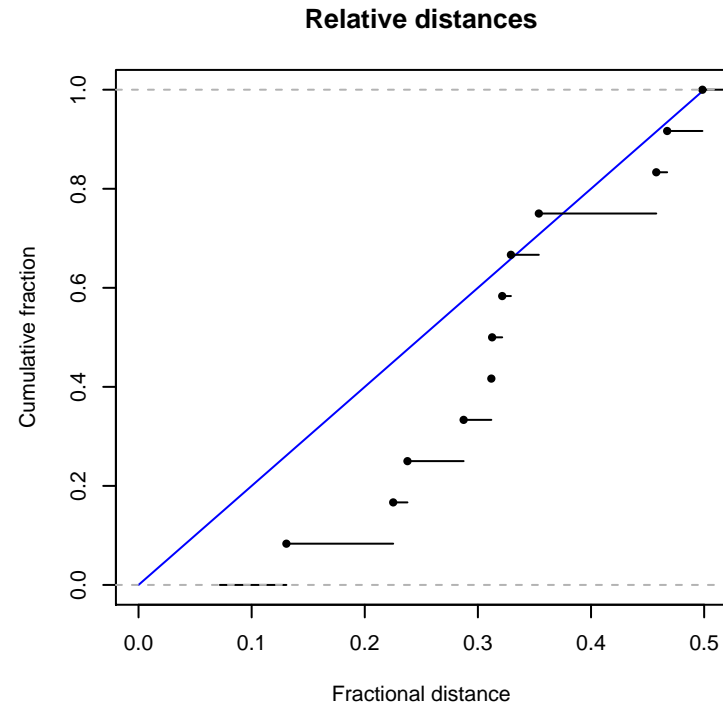
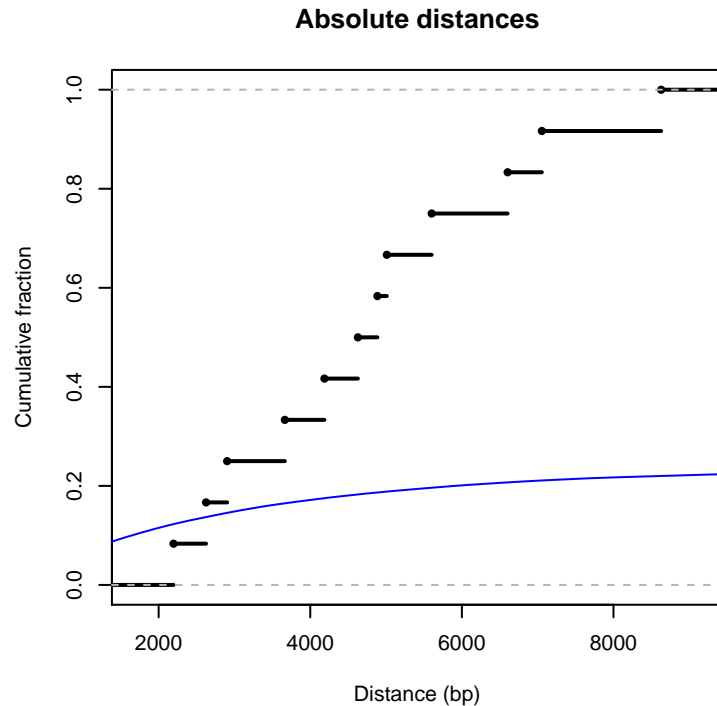
pcontig_045

Query population : 15
Reference population : 113
Relative Ks p-value : 0.241482
Relative ecdf deviation area : 0.0607511
Relative ecdf area correlation : -0.245785
Relative ecdf deviation area p-value : 0.18
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.16
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.389035
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



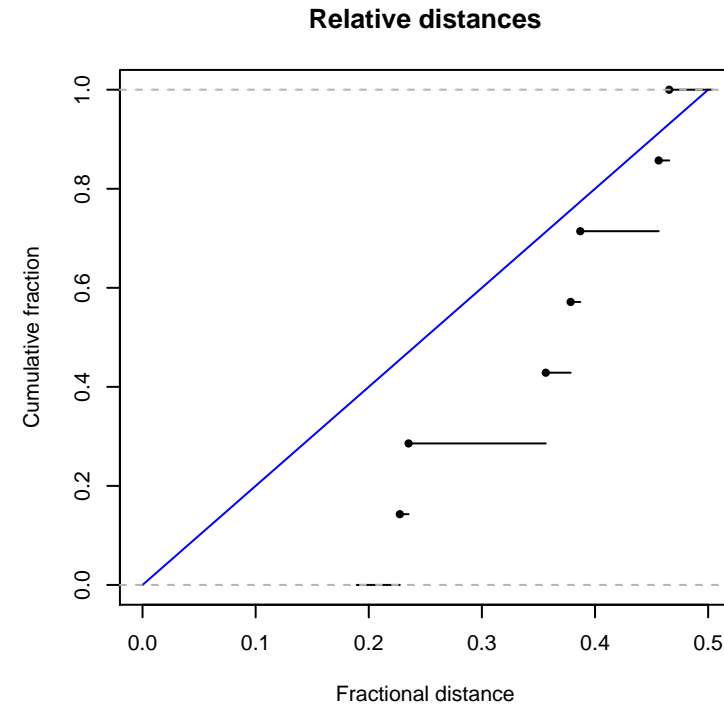
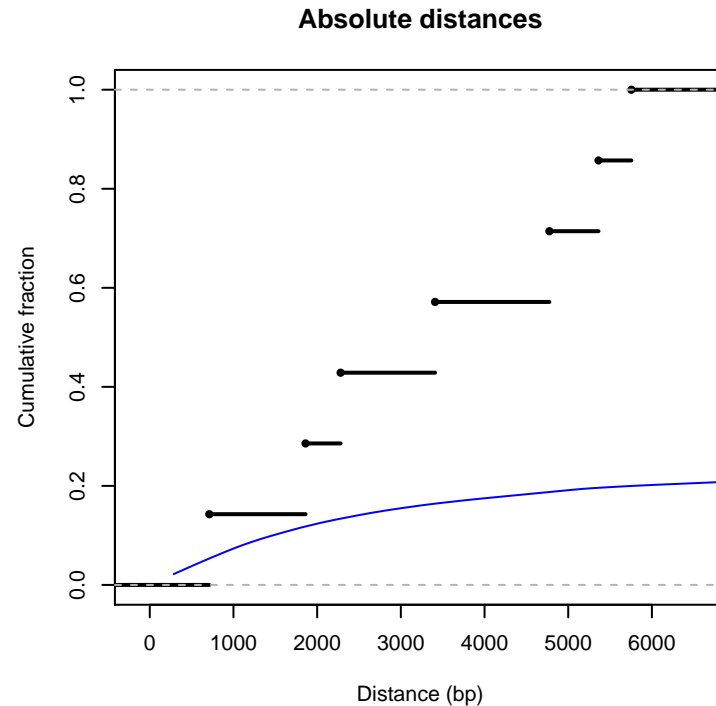
pcontig_046

Query population : 12
Reference population : 110
Relative Ks p-value : 0.0589904
Relative ecdf deviation area : 0.0786498
Relative ecdf area correlation : -0.311128
Relative ecdf deviation area p-value : 0.1
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.28
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.449786
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



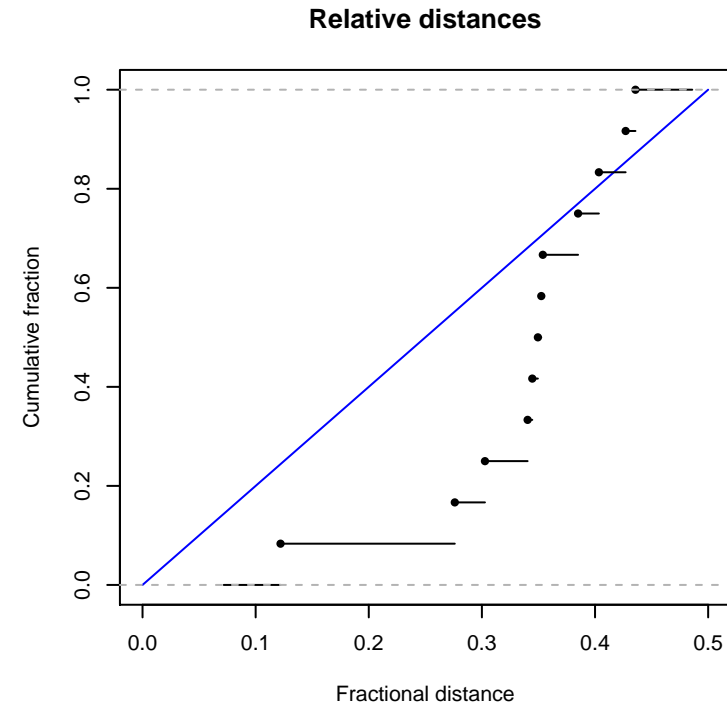
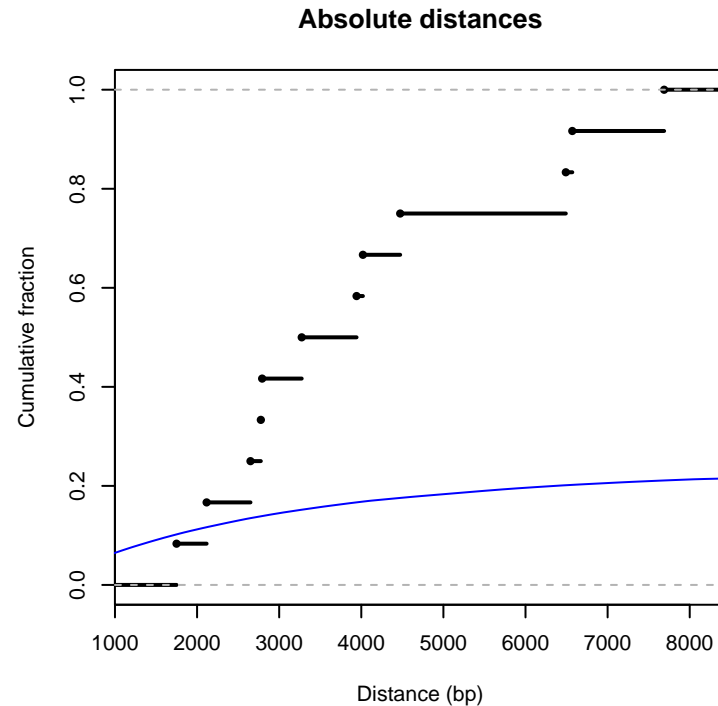
pcontig_047

Query population : 7
Reference population : 117
Relative Ks p-value : 0.0767422
Relative ecdf deviation area : 0.110131
Relative ecdf area correlation : -0.432165
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 : 0.36
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.388009
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



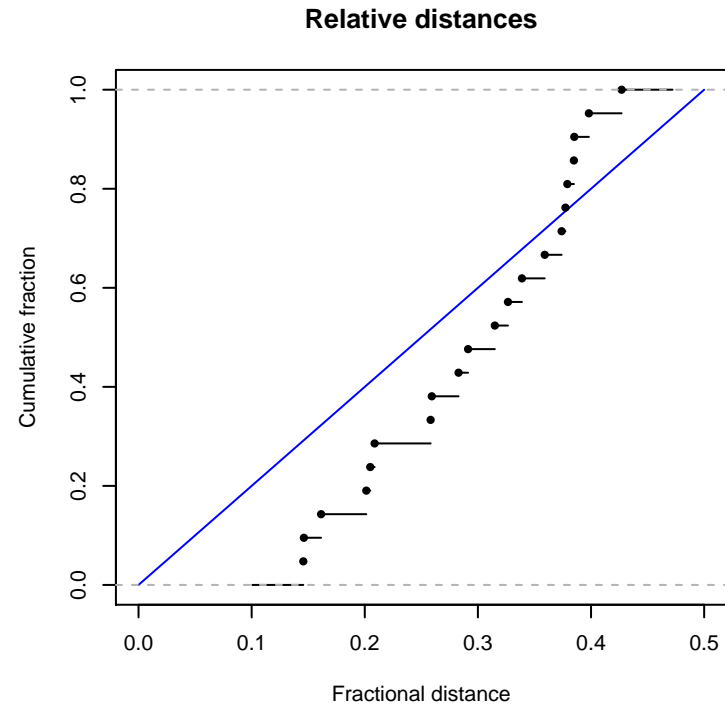
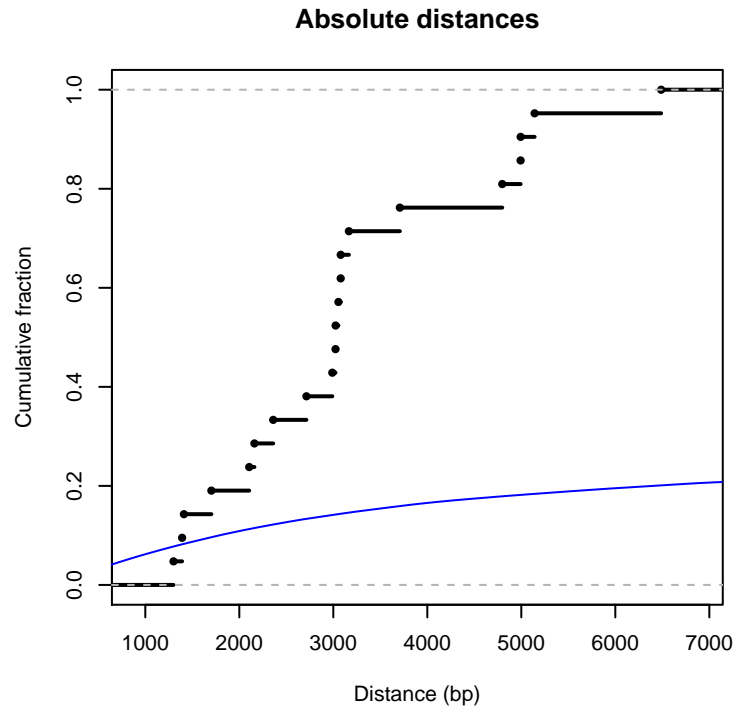
pcontig_048

Query population : 12
Reference population : 106
Relative Ks p-value : 0.00613808
Relative ecdf deviation area : 0.100438
Relative ecdf area correlation : -0.36424
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 : 0.25
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.466529
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



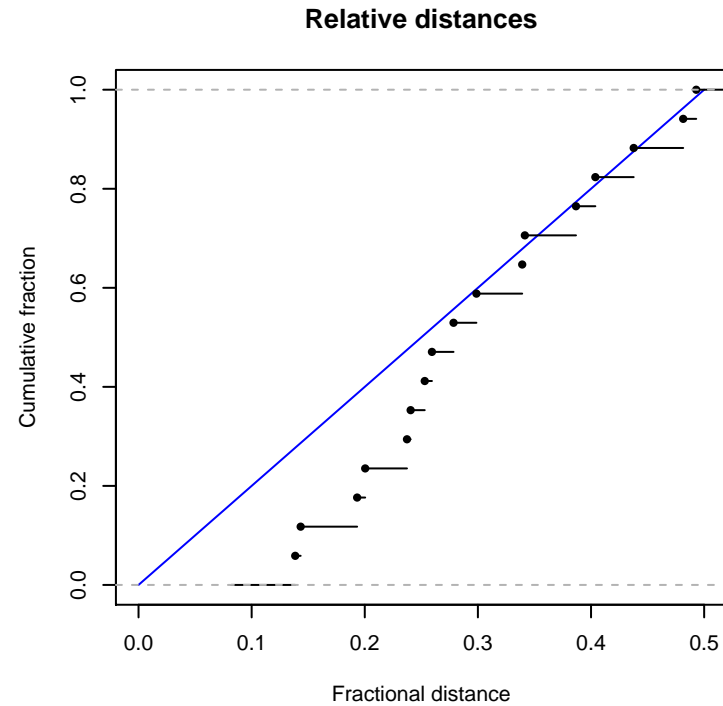
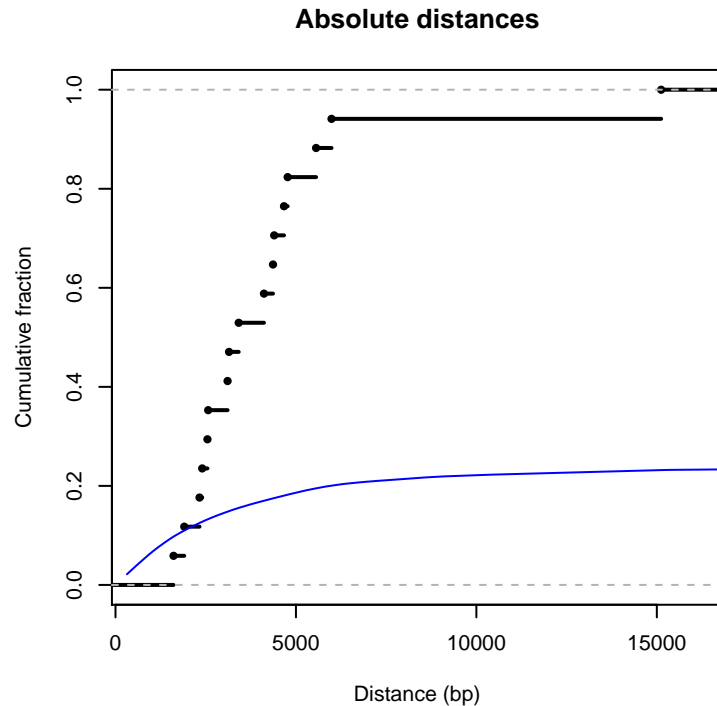
pcontig_049

Query population : 21
Reference population : 100
Relative Ks p-value : 0.0450406
Relative ecdf deviation area : 0.0682993
Relative ecdf area correlation : -0.185711
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 : 0.13
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.286487
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



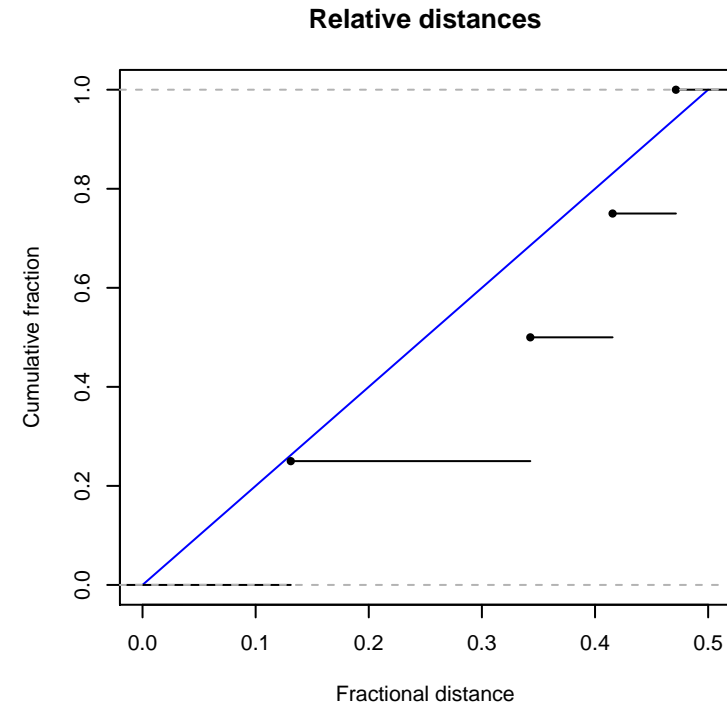
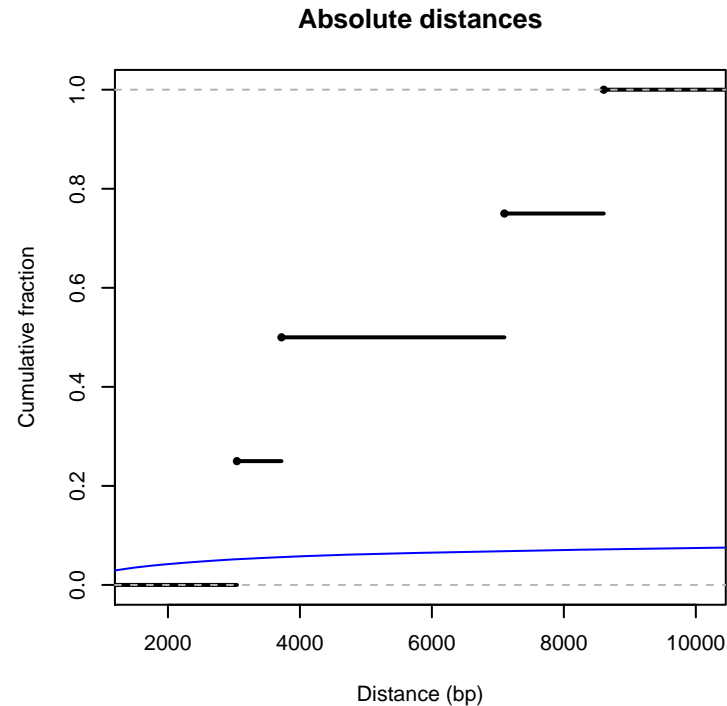
pcontig_050

Query population : 17
Reference population : 104
Relative Ks p-value : 0.120622
Relative ecdf deviation area : 0.0521408
Relative ecdf area correlation : -0.206166
Relative ecdf deviation area p-value : 0.13
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.19
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.40276
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



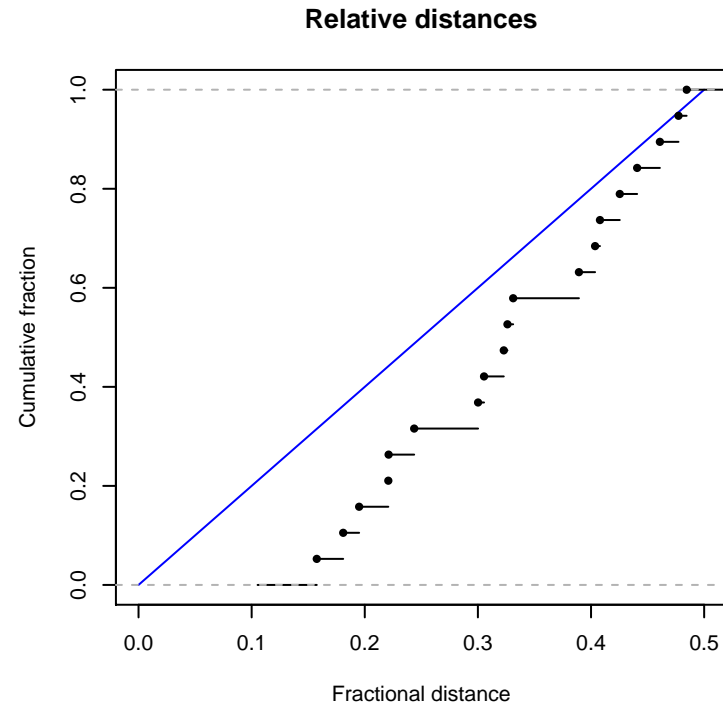
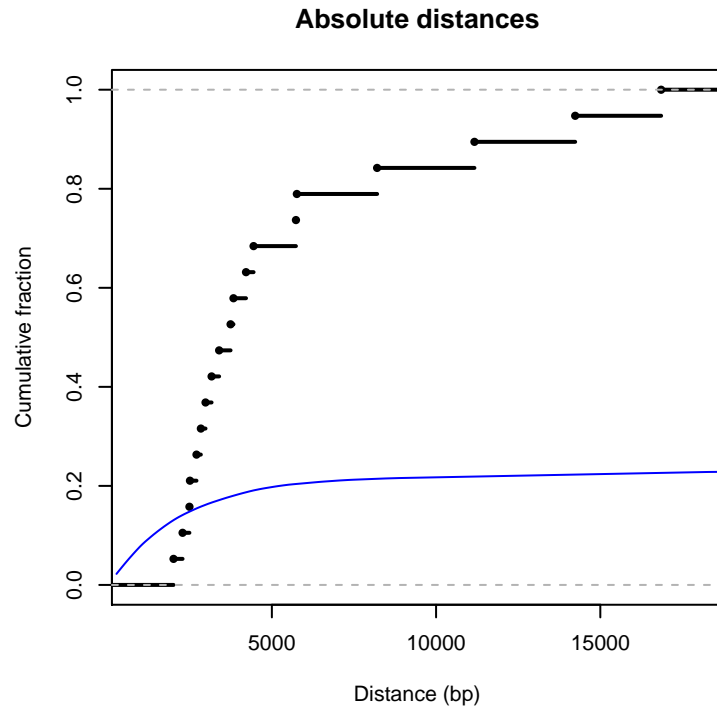
pcontig_051

Query population : 4
Reference population : 41
Relative Ks p-value : 0.331206
Relative ecdf deviation area : 0.0919115
Relative ecdf area correlation : -0.36086
Relative ecdf deviation area p-value : 0.28
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.18
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.069128
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



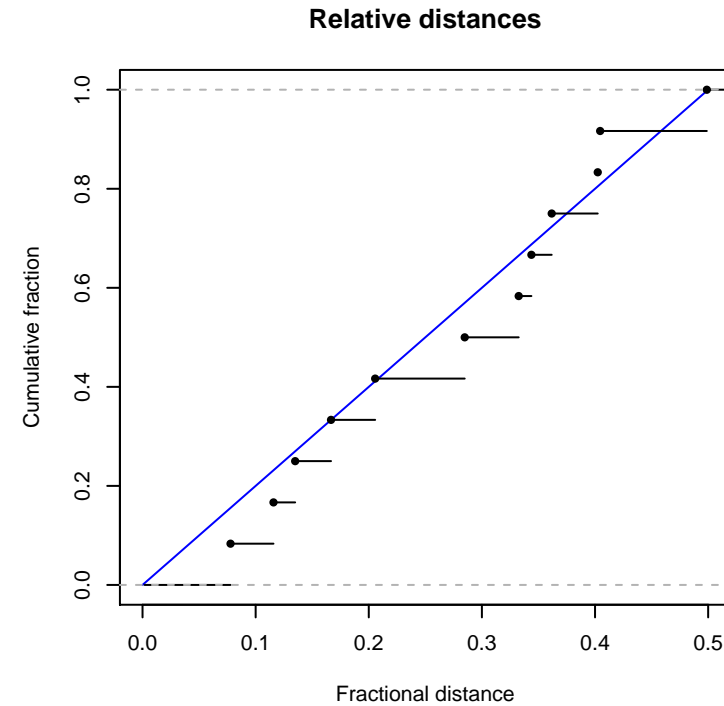
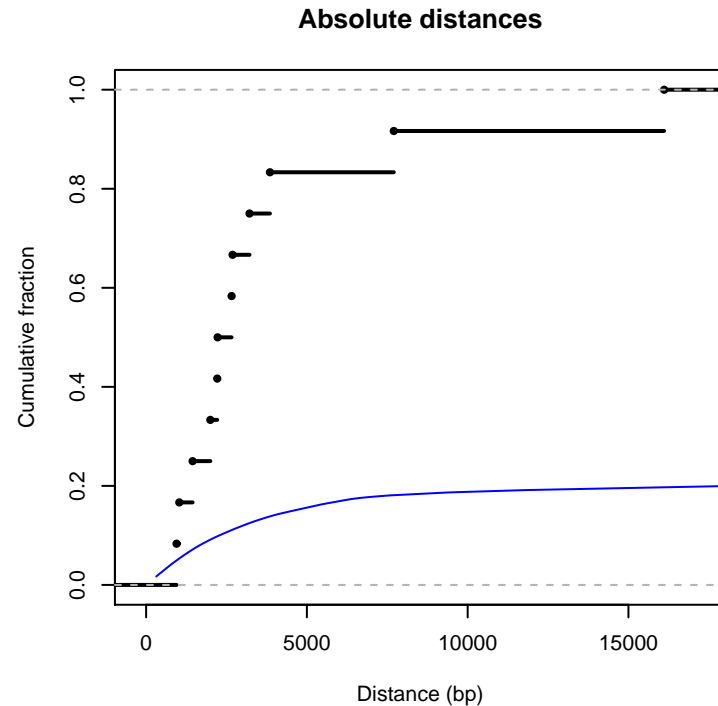
pcontig_052

Query population : 19
Reference population : 127
Relative Ks p-value : 0.0355564
Relative ecdf deviation area : 0.0819375
Relative ecdf area correlation : -0.325163
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 : 0.09
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.296763
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



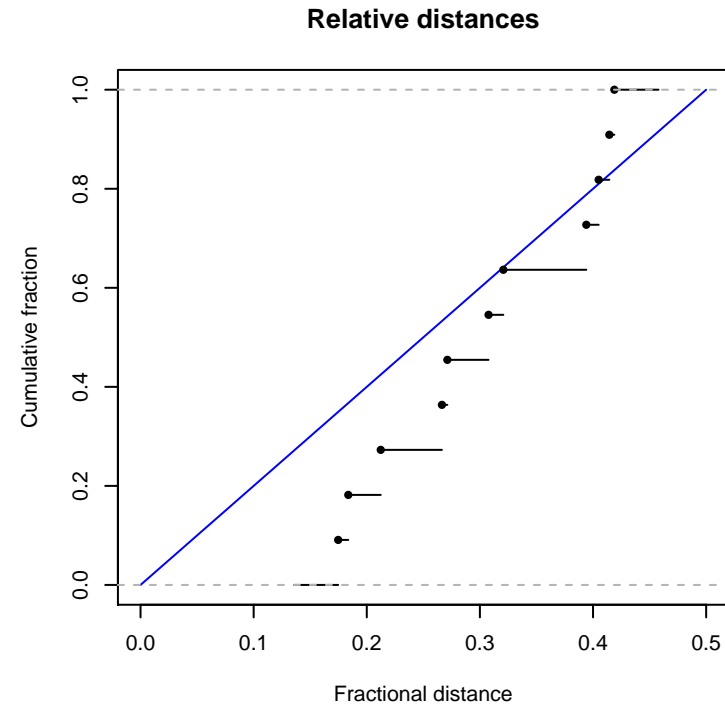
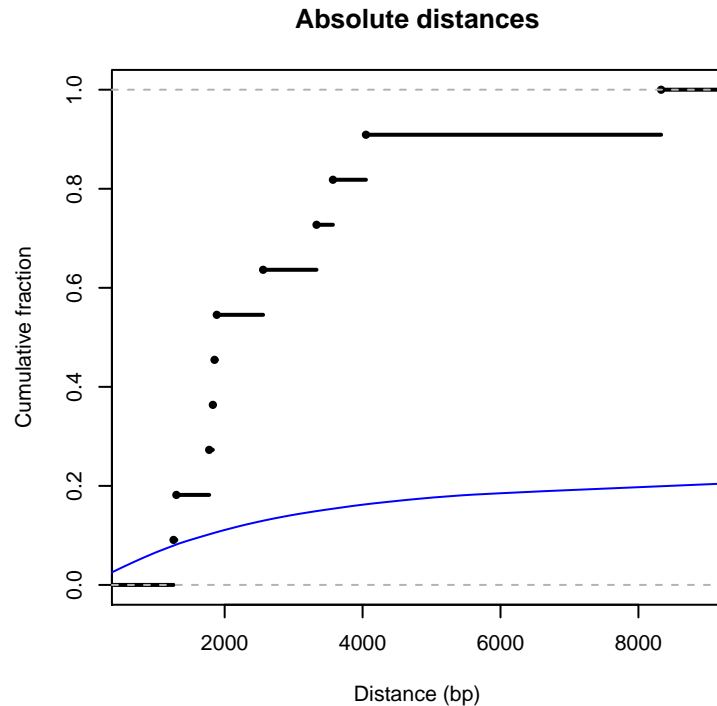
pcontig_054

Query population : 12
Reference population : 83
Relative Ks p-value : 0.847795
Relative ecdf deviation area : 0.033325
Relative ecdf area correlation : -0.109773
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 : 0.37
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.390485
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



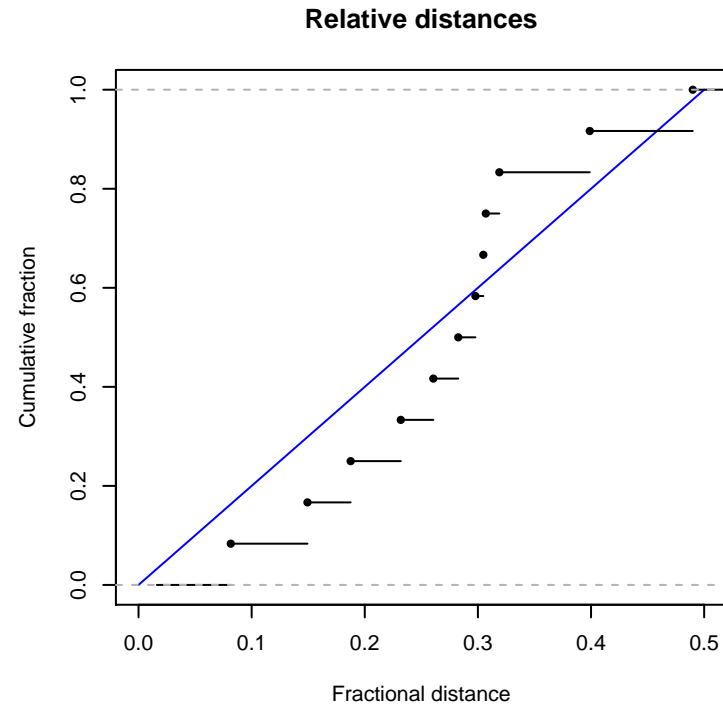
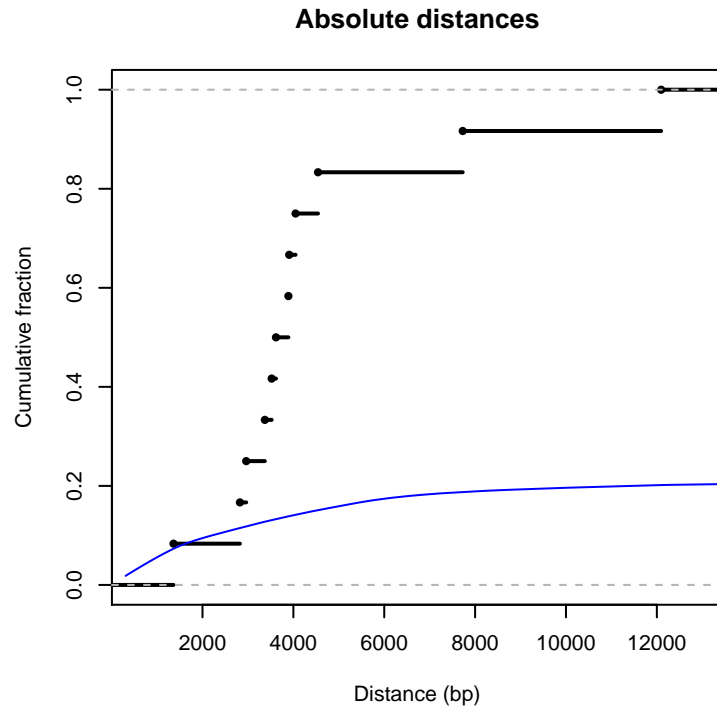
pcontig_055

Query population : 11
Reference population : 107
Relative Ks p-value : 0.105078
Relative ecdf deviation area : 0.0705655
Relative ecdf area correlation : -0.225147
Relative ecdf deviation area p-value : 0.13
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.31
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.465222
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



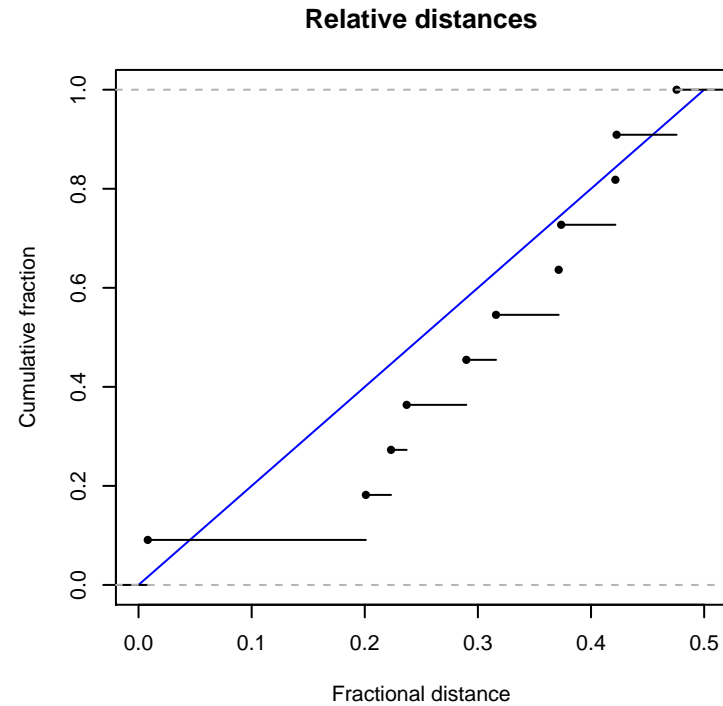
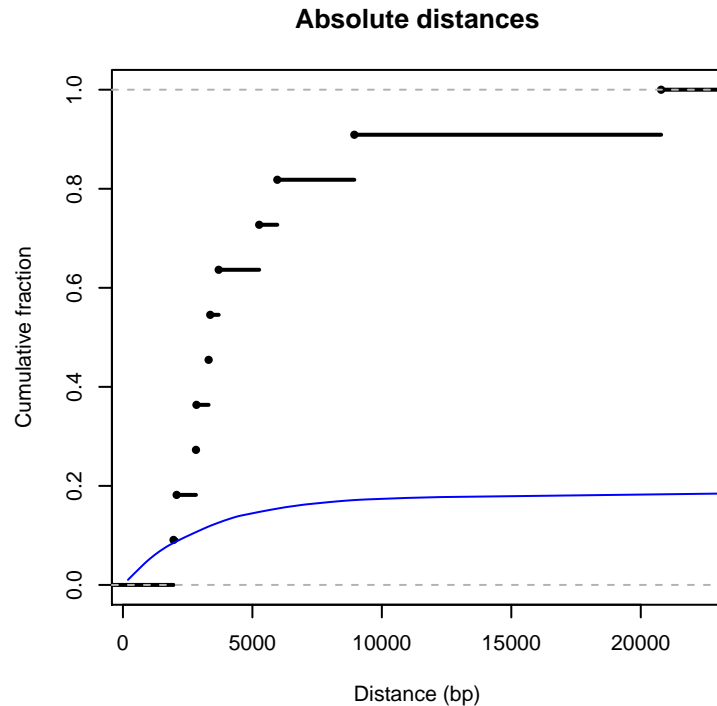
pcontig_056

Query population : 12
Reference population : 91
Relative Ks p-value : 0.562625
Relative ecdf deviation area : 0.0548616
Relative ecdf area correlation : -0.103606
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 : 0.35
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.401695
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



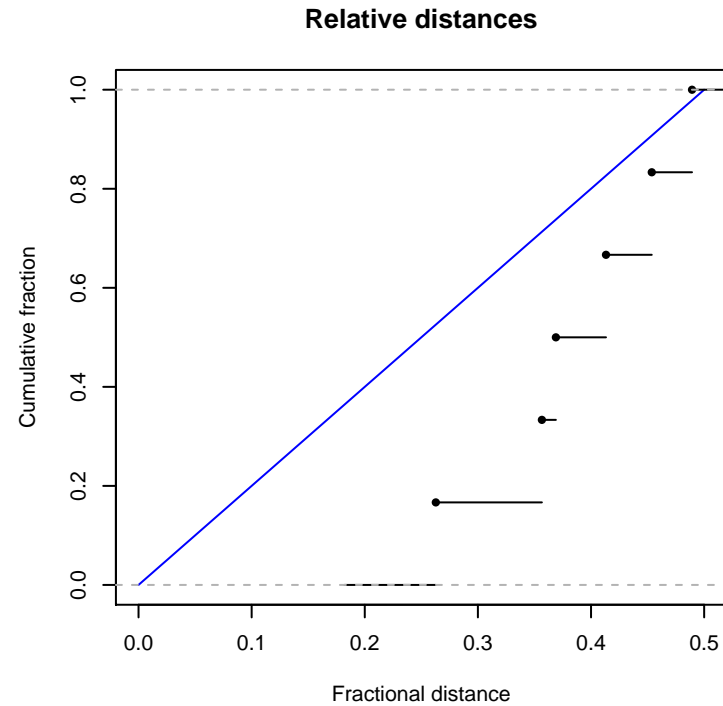
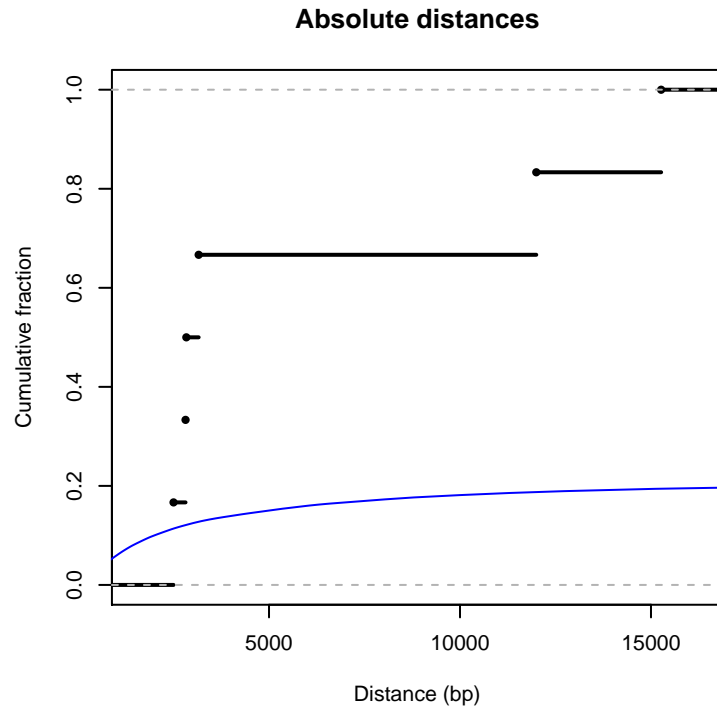
pcontig_057

Query population : 11
Reference population : 81
Relative Ks p-value : 0.192105
Relative ecdf deviation area : 0.0593045
Relative ecdf area correlation : -0.21453
Relative ecdf deviation area p-value : 0.21
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.35
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.386065
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



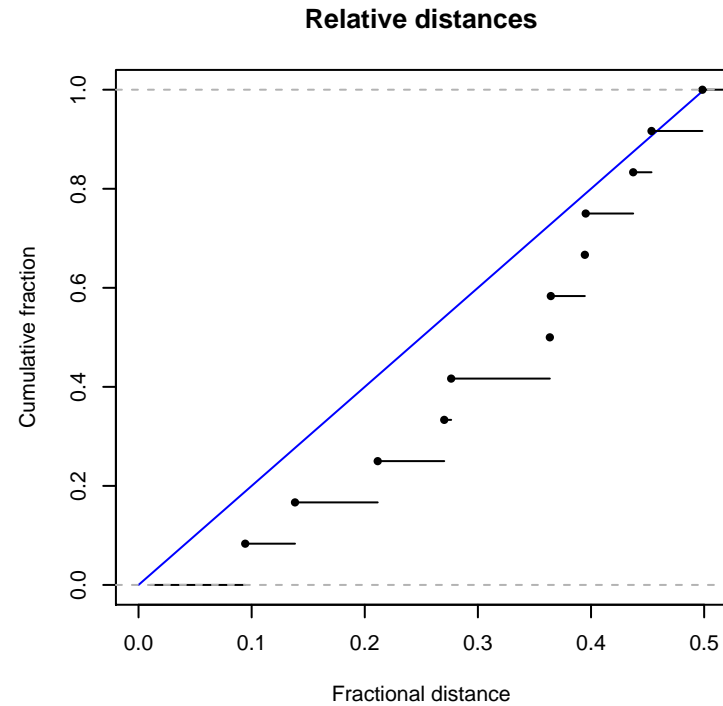
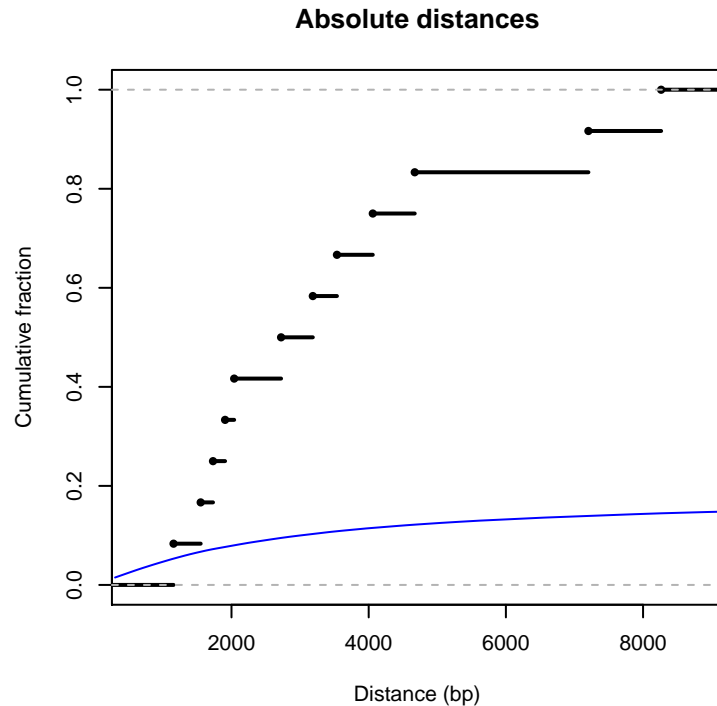
pcontig_058

Query population : 6
Reference population : 95
Relative Ks p-value : 0.033169
Relative ecdf deviation area : 0.141123
Relative ecdf area correlation : -0.563
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.43
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.256458
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



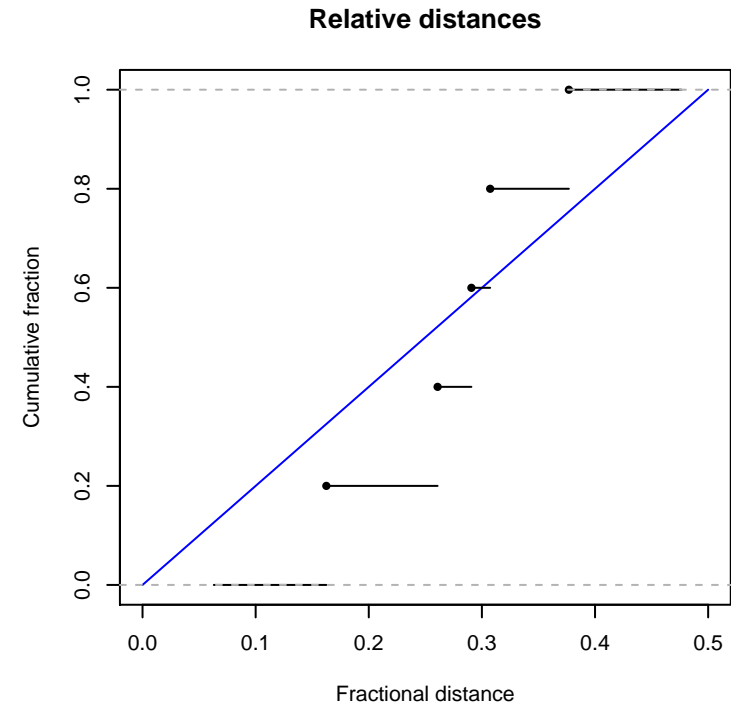
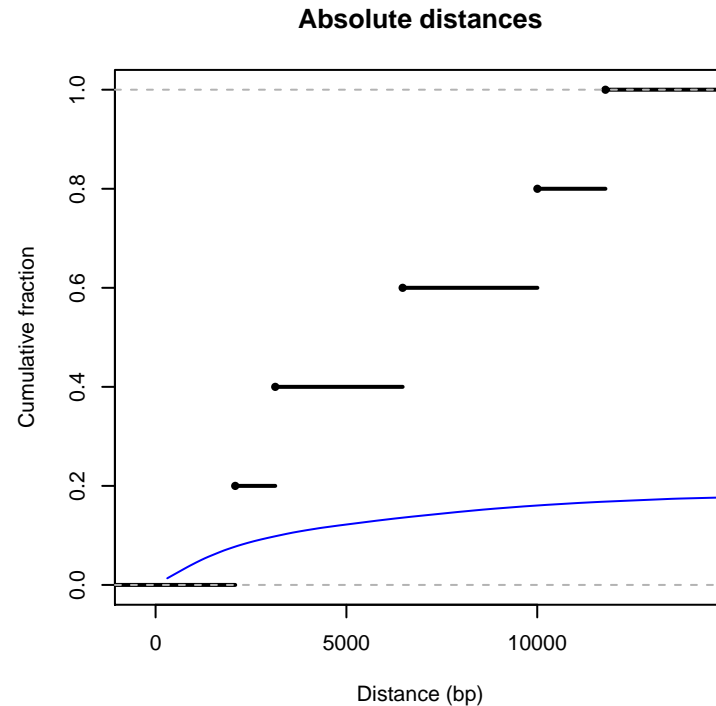
pcontig_059

Query population : 12
Reference population : 76
Relative Ks p-value : 0.158863
Relative ecdf deviation area : 0.0747405
Relative ecdf area correlation : -0.299245
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 : 0.36
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.407726
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



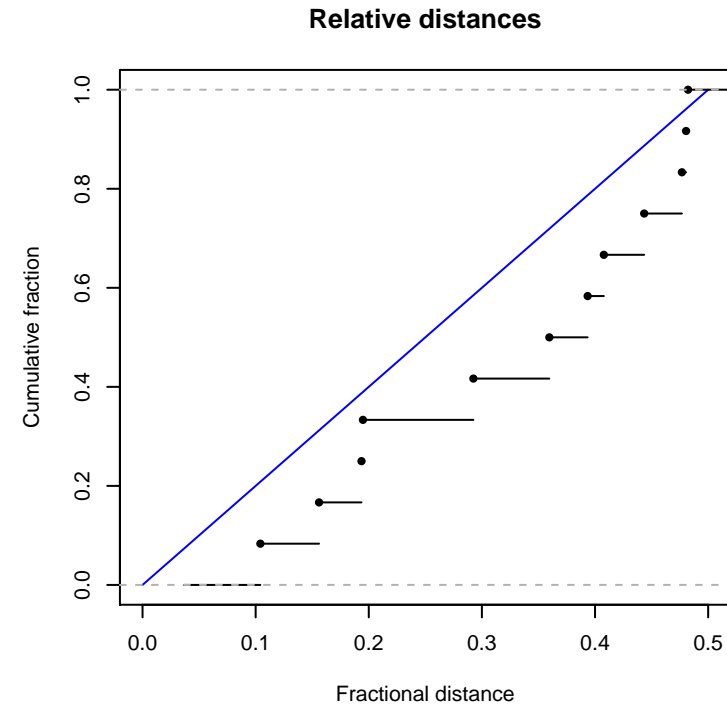
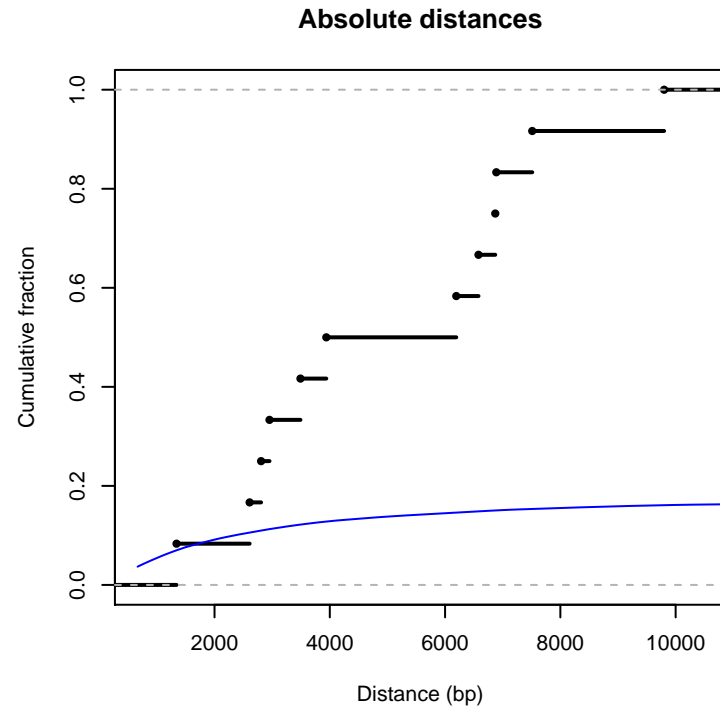
pcontig_060

Query population : 5
Reference population : 67
Relative Ks p-value : 0.565491
Relative ecdf deviation area : 0.076287
Relative ecdf area correlation : -0.118601
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 : 0.46
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.198266
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



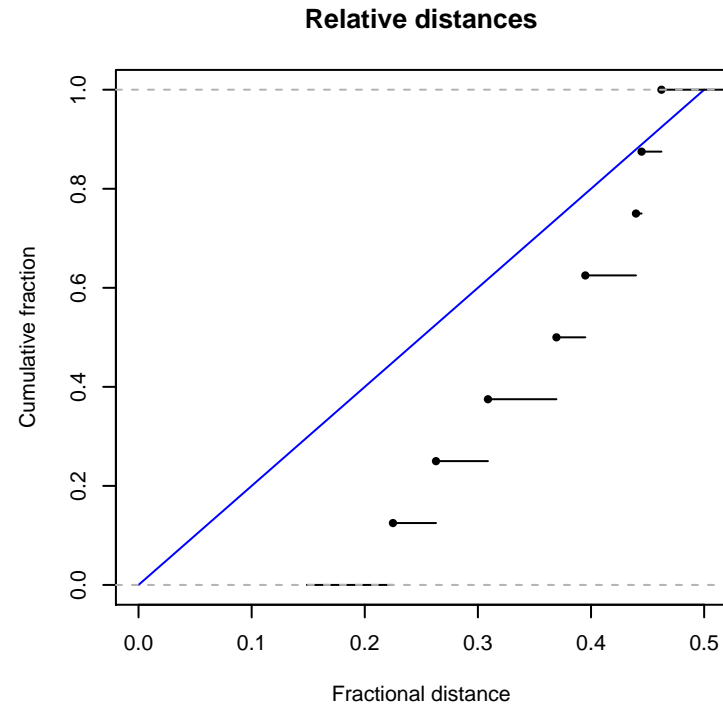
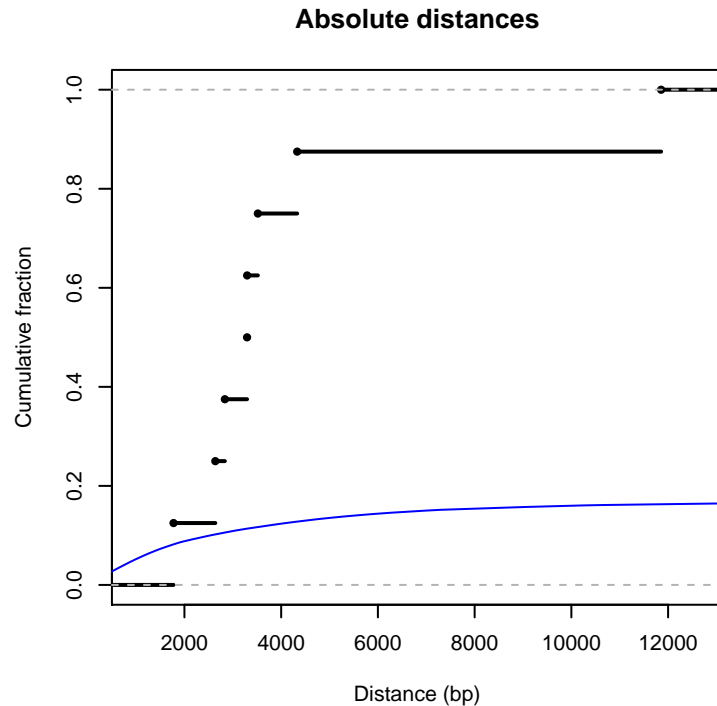
pcontig_062

Query population : 12
Reference population : 85
Relative Ks p-value : 0.180104
Relative ecdf deviation area : 0.082718
Relative ecdf area correlation : -0.328303
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 : 0.34
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.427767
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



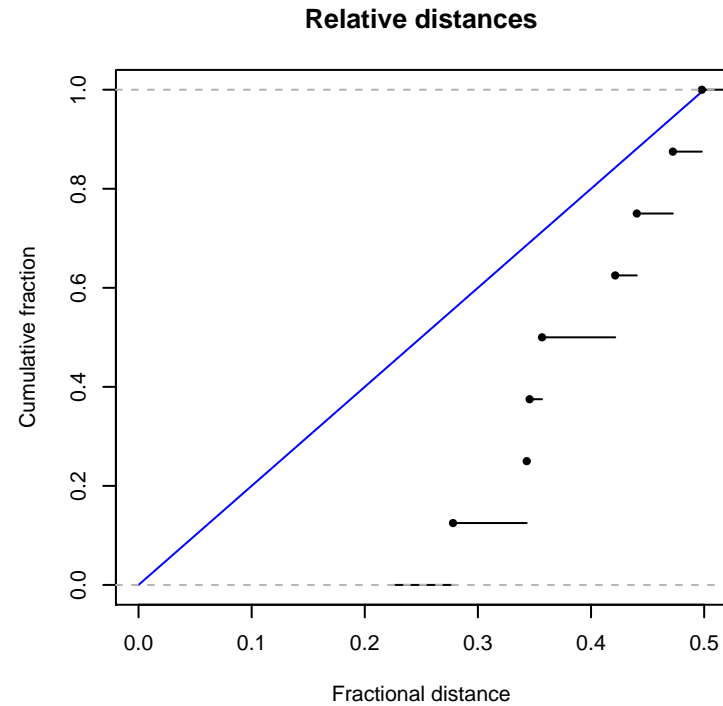
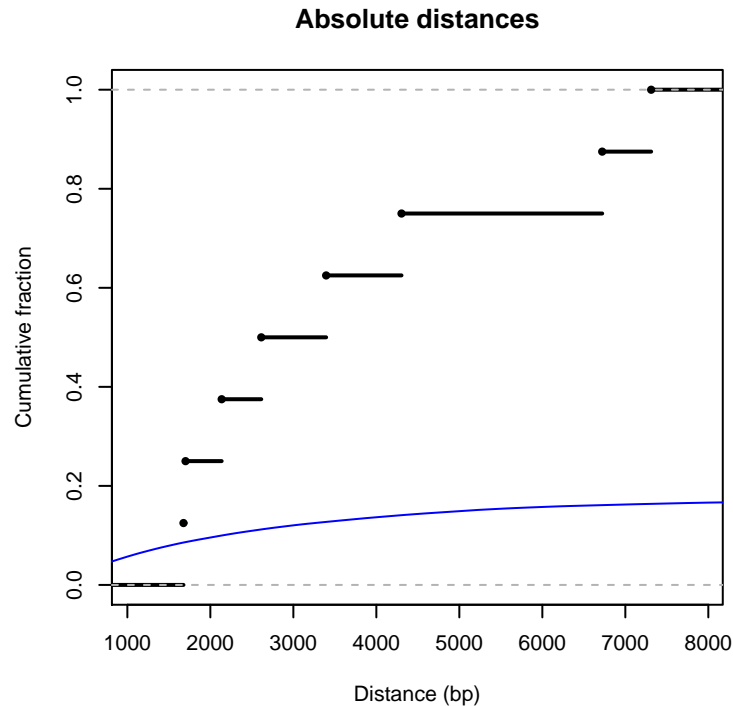
pcontig_064

Query population : 8
Reference population : 84
Relative Ks p-value : 0.0537583
Relative ecdf deviation area : 0.116466
Relative ecdf area correlation : -0.453909
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.48
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.283028
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



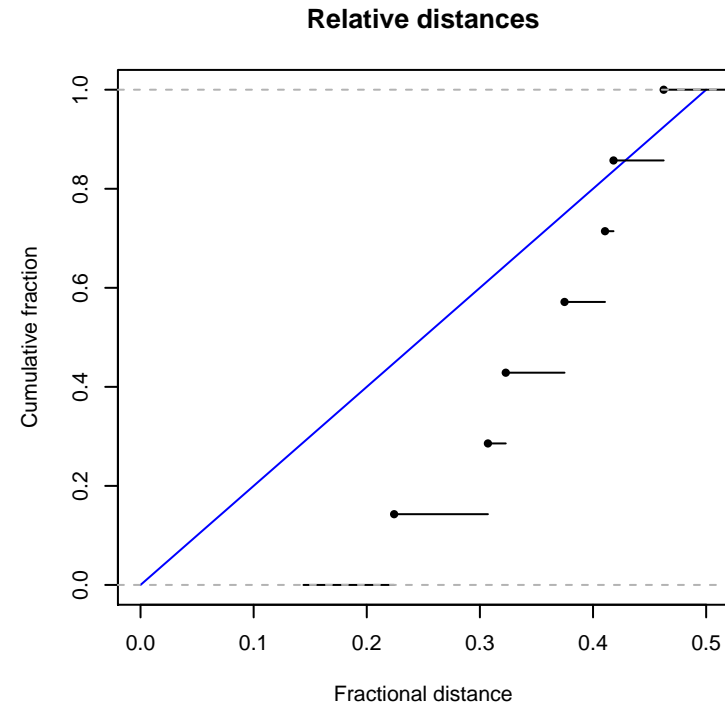
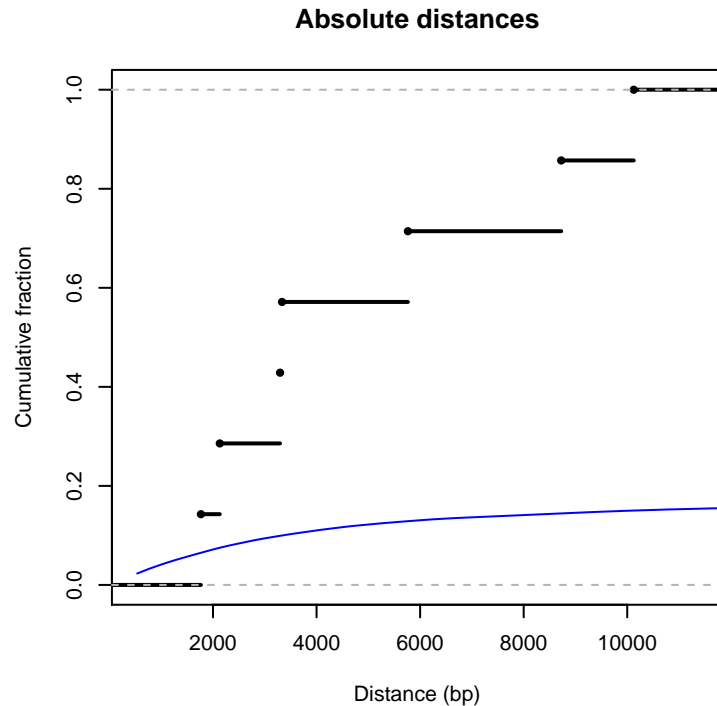
pcontig_065

Query population : 8
Reference population : 93
Relative Ks p-value : 0.00663549
Relative ecdf deviation area : 0.144421
Relative ecdf area correlation : -0.577876
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.34
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.306237
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



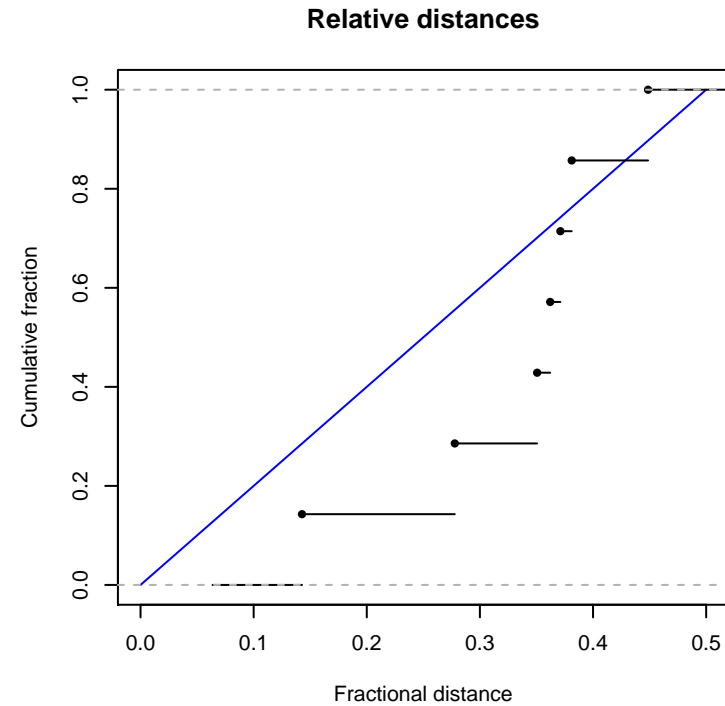
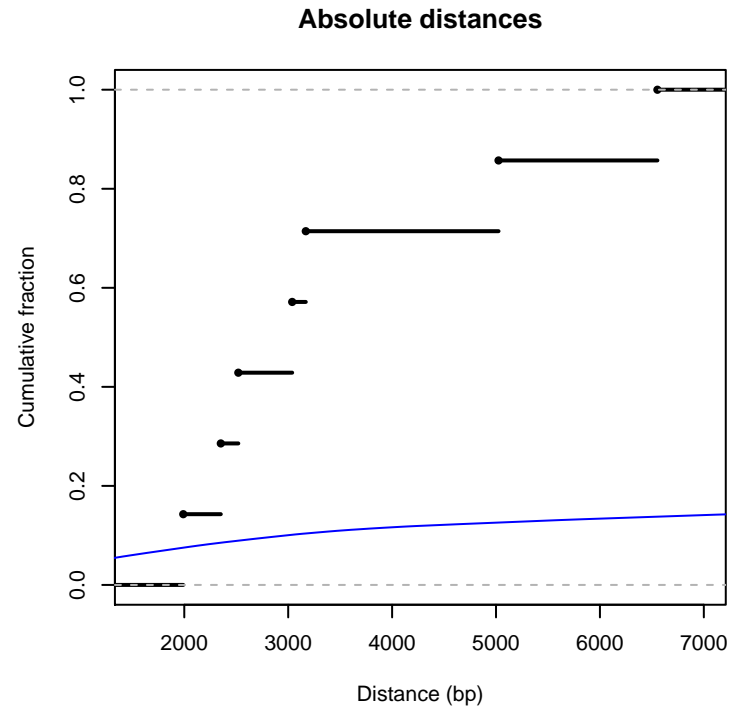
pcontig_066

Query population : 7
Reference population : 66
Relative Ks p-value : 0.0602152
Relative ecdf deviation area : 0.113447
Relative ecdf area correlation : -0.440066
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.43
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.178897
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



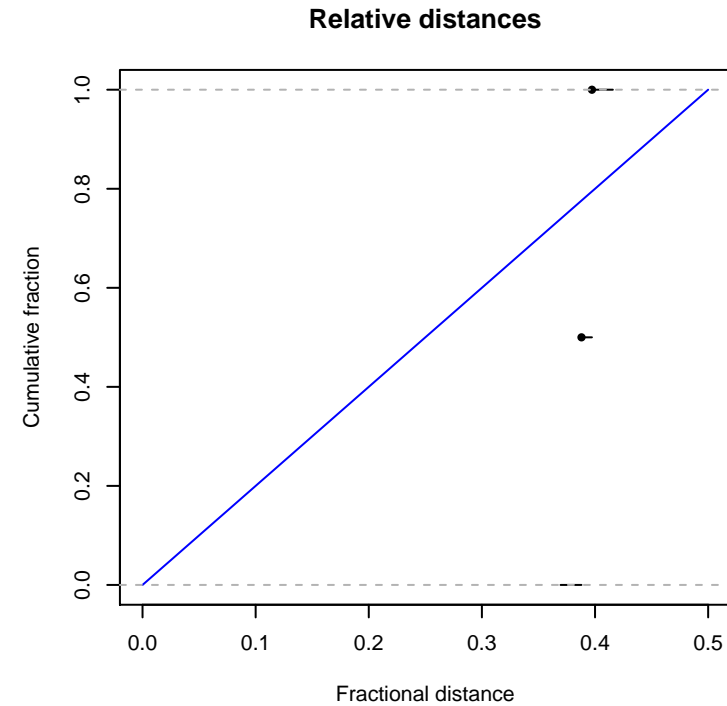
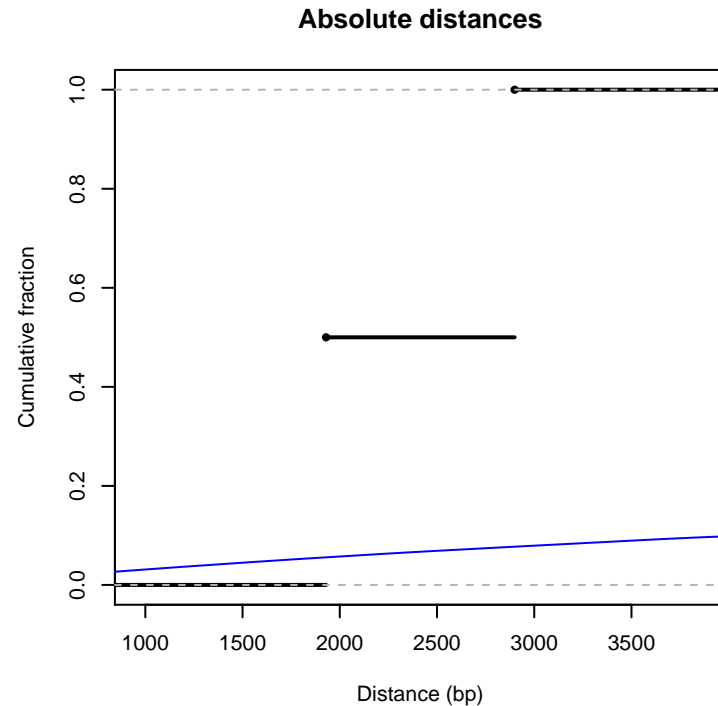
pcontig_067

Query population : 7
Reference population : 69
Relative Ks p-value : 0.131253
Relative ecdf deviation area : 0.0935655
Relative ecdf area correlation : -0.333847
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 : 0.38
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.216381
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



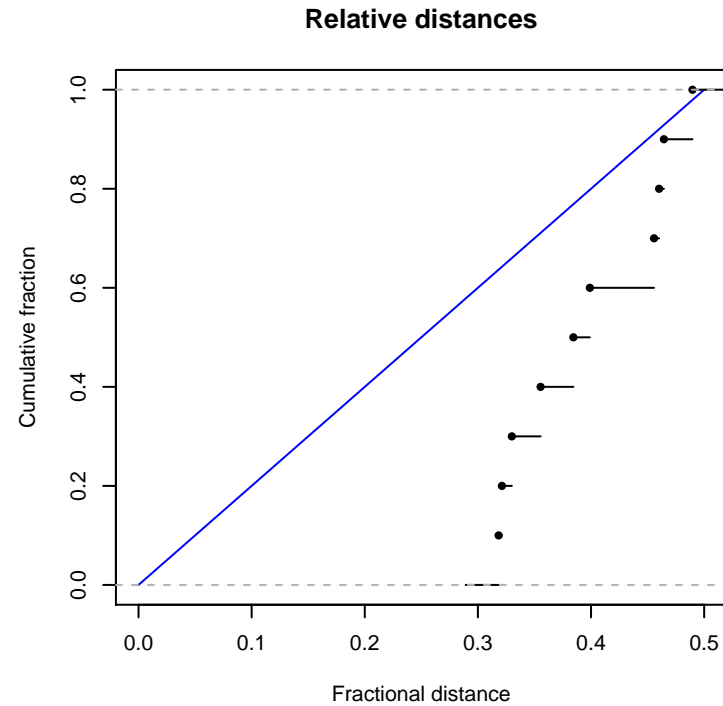
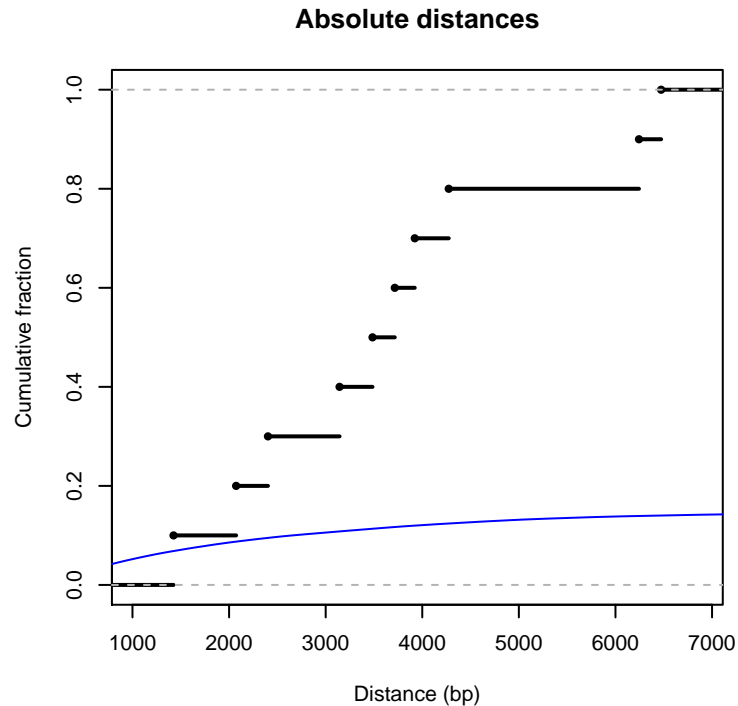
pcontig_068

Query population : 2
Reference population : 50
Relative Ks p-value : 0.100291
Relative ecdf deviation area : 0.163234
Relative ecdf area correlation : -0.570641
Relative ecdf deviation area p-value : 0.13
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.06000000000000001
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0369924
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



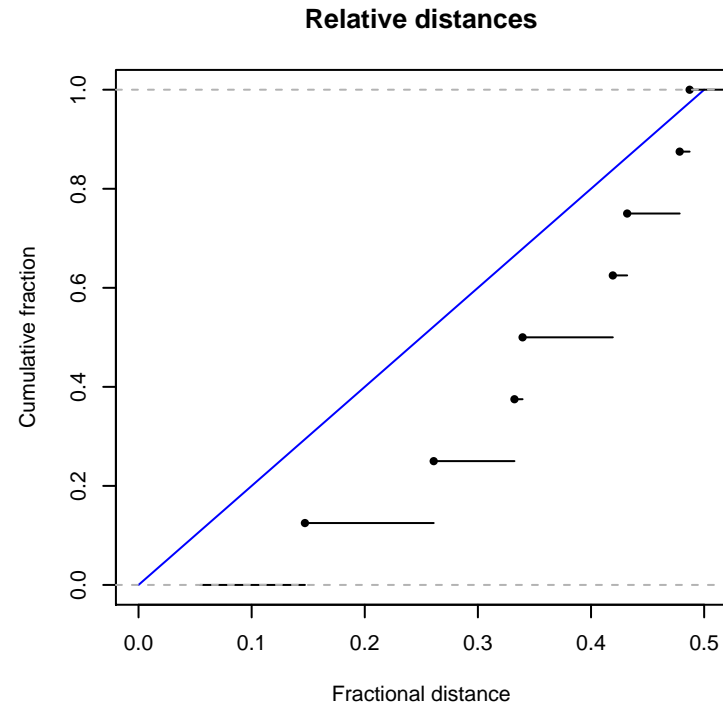
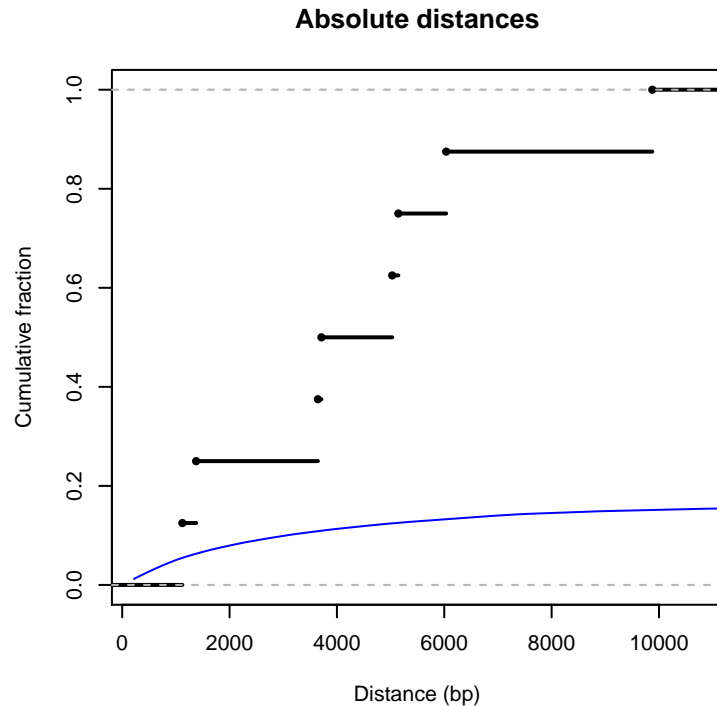
pcontig_069

Query population : 10
Reference population : 86
Relative Ks p-value : 0.000182724
Relative ecdf deviation area : 0.147888
Relative ecdf area correlation : -0.591336
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.47
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.338067
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_070

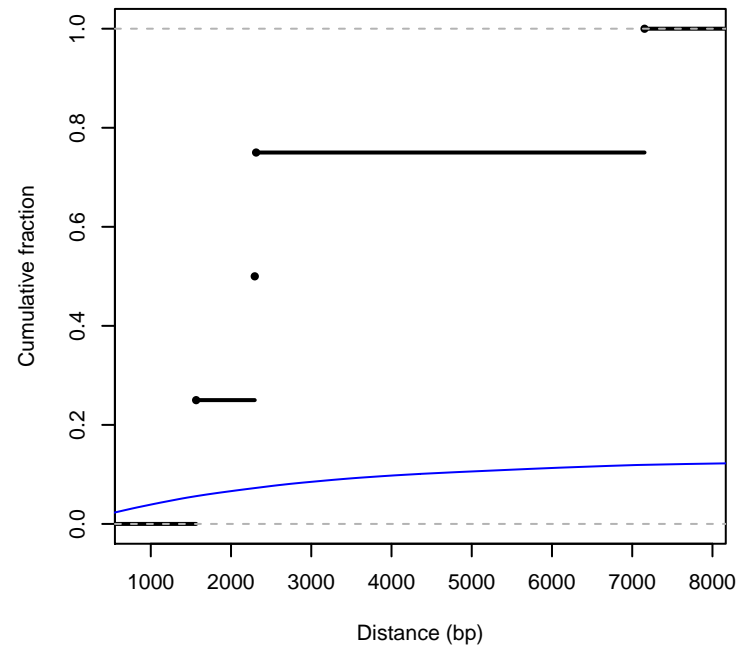
Query population : 8
Reference population : 85
Relative Ks p-value : 0.092939
Relative ecdf deviation area : 0.112641
Relative ecdf area correlation : -0.448281
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.39
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.228972
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



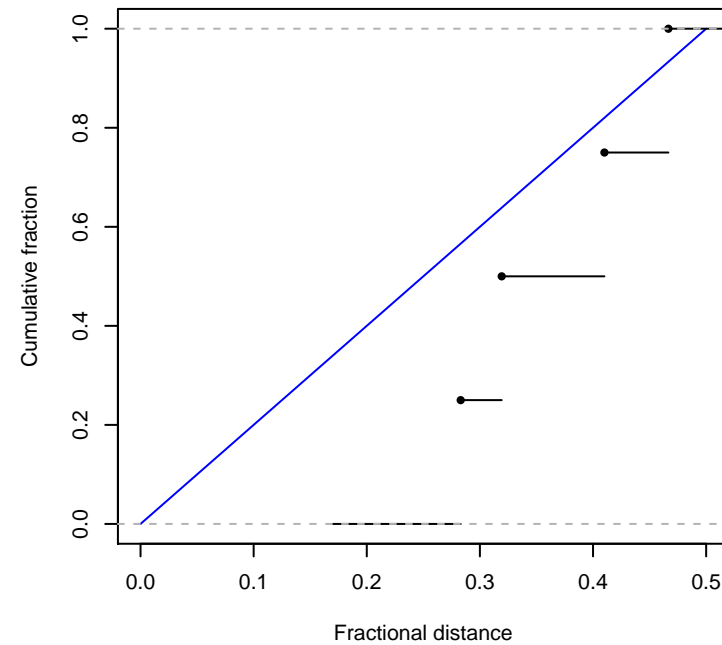
pcontig_072

Query population : 4
Reference population : 66
Relative Ks p-value : 0.0991303
Relative ecdf deviation area : 0.121646
Relative ecdf area correlation : -0.478999
Relative ecdf deviation area p-value : 0.1
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.31
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.110223
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

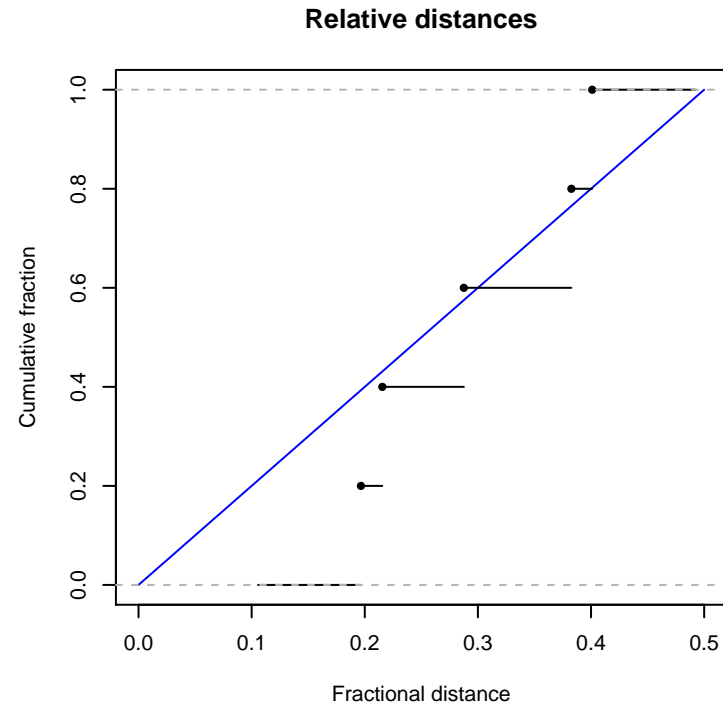
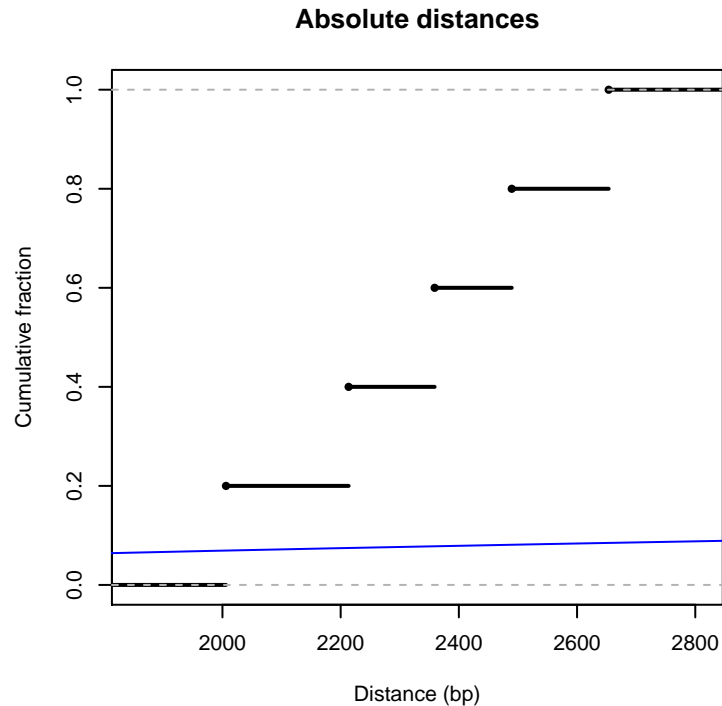


Relative distances



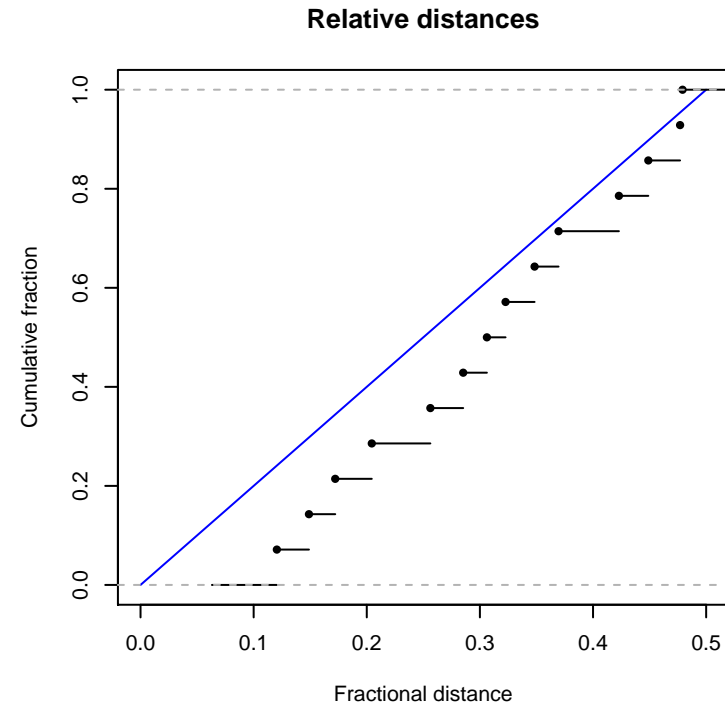
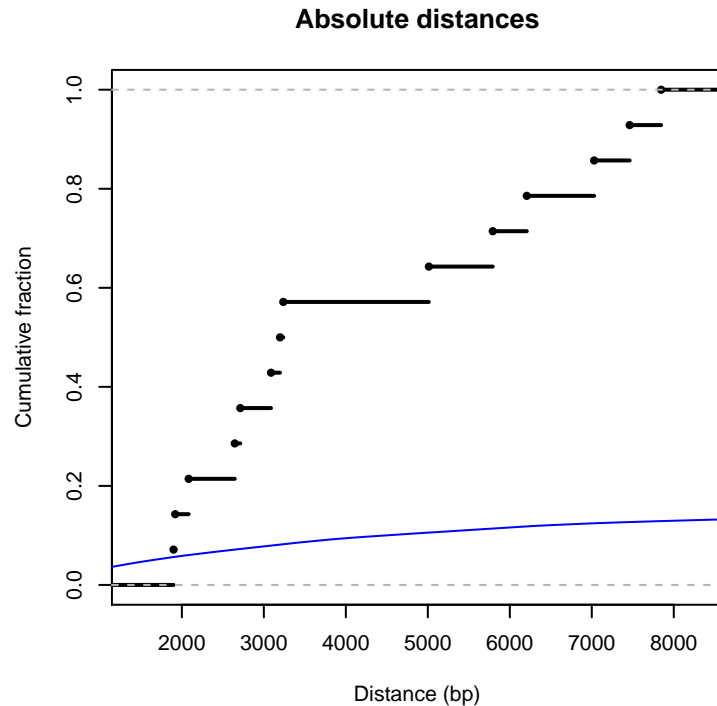
pcontig_073

Query population : 5
Reference population : 65
Relative Ks p-value : 0.327199
Relative ecdf deviation area : 0.0679692
Relative ecdf area correlation : -0.186725
Relative ecdf deviation area p-value : 0.44
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.26
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.145764
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



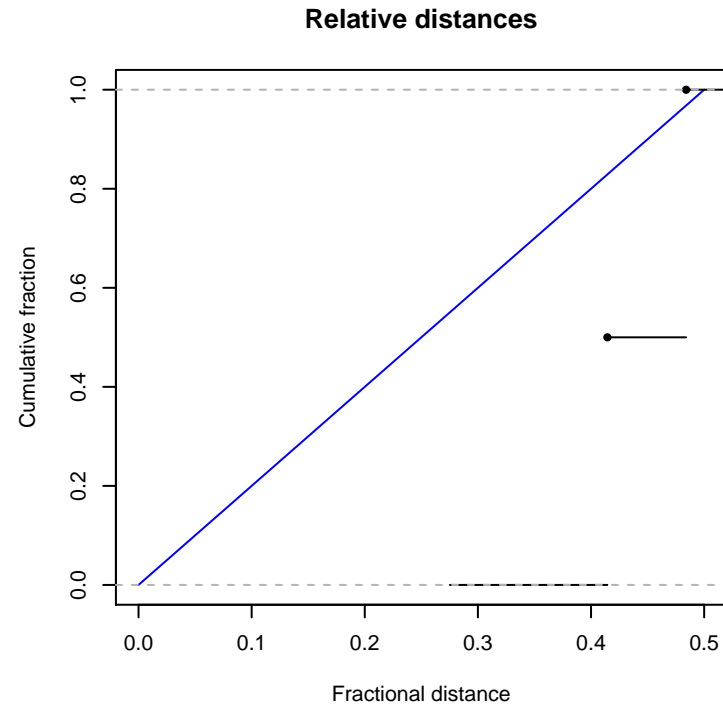
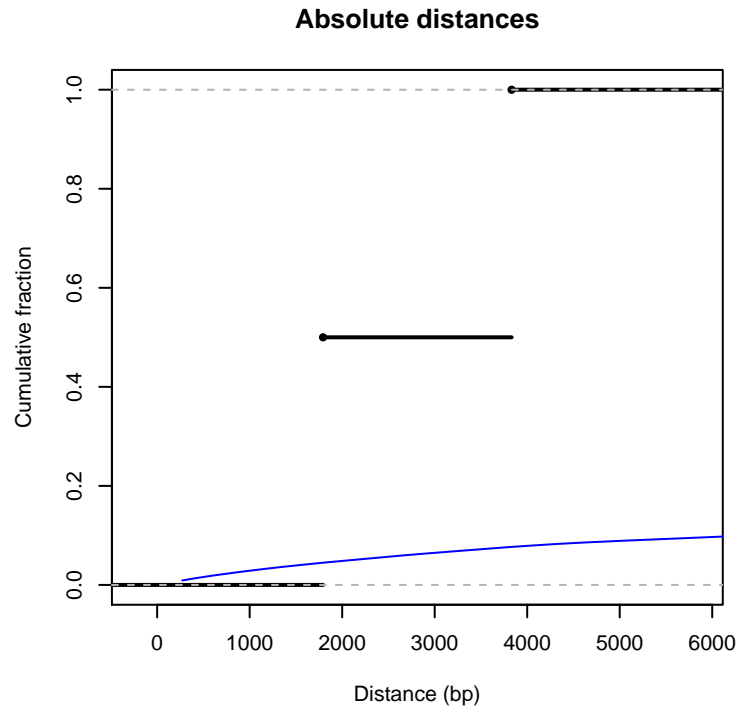
pcontig_074

Query population : 14
Reference population : 50
Relative Ks p-value : 0.334943
Relative ecdf deviation area : 0.0620958
Relative ecdf area correlation : -0.246284
Relative ecdf deviation area p-value : 0.1
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.38
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.291631
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



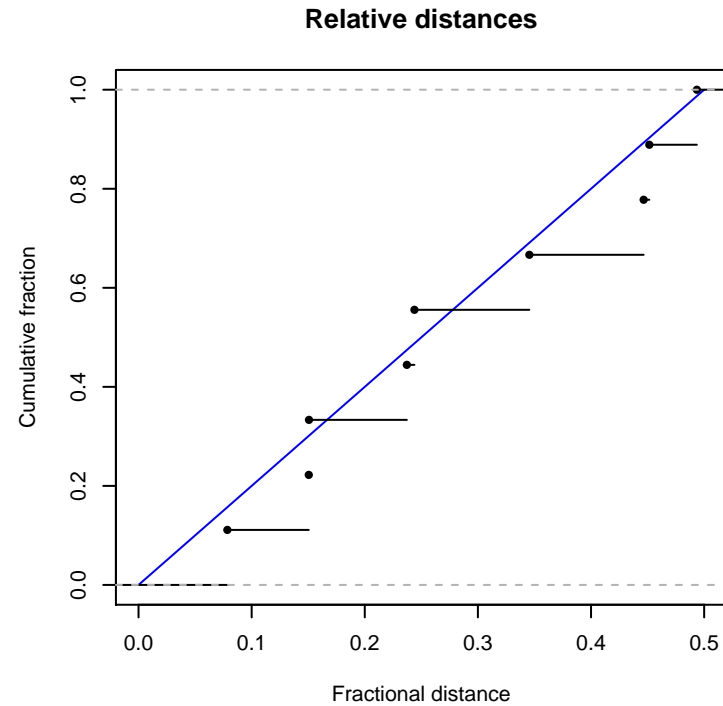
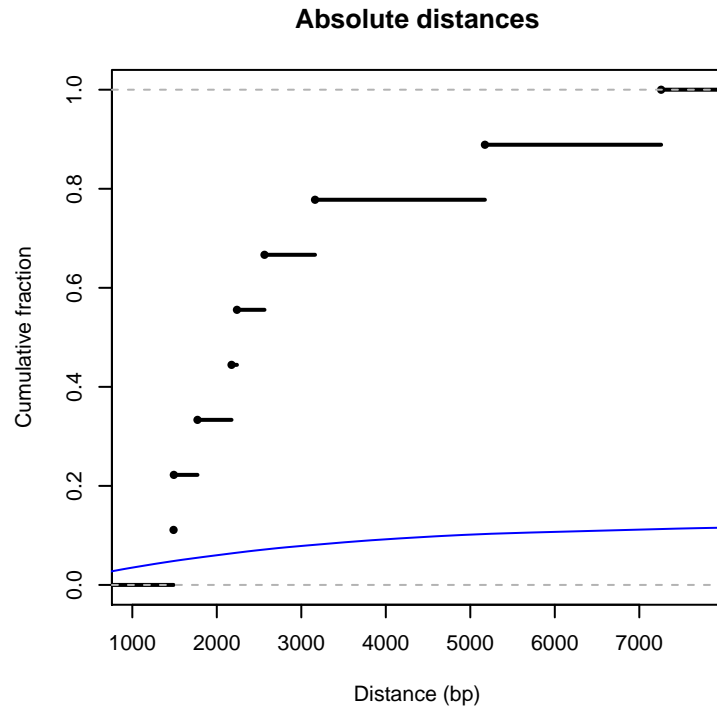
pcontig_075

Query population : 2
Reference population : 51
Relative Ks p-value : 0.0585331
Relative ecdf deviation area : 0.199556
Relative ecdf area correlation : -0.797076
Relative ecdf deviation area p-value : 0.03
Scaled Absolute min. distance p-value : 0.03
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.08
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0283509
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



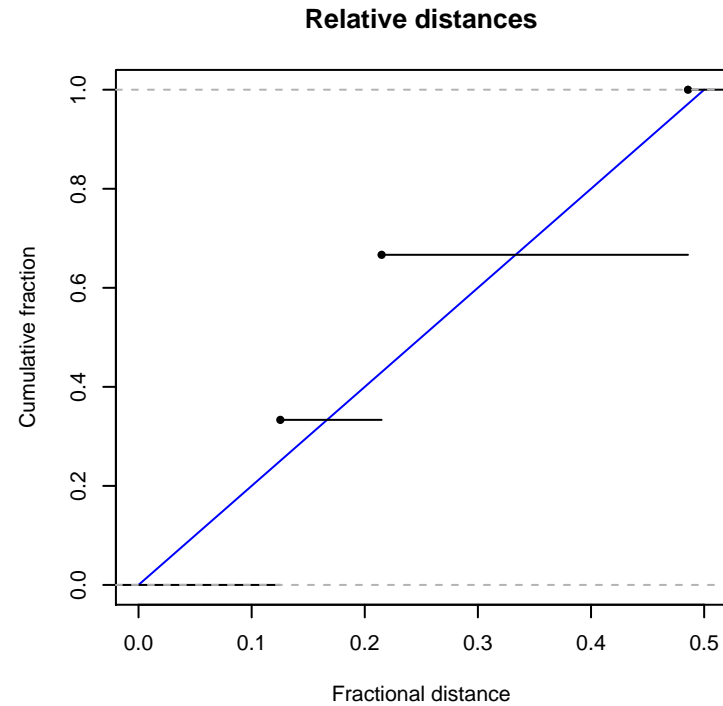
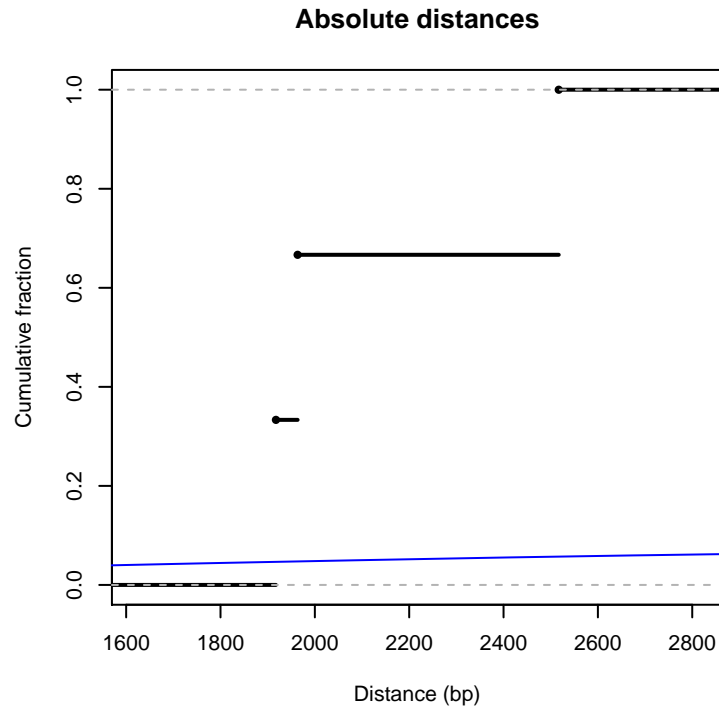
pcontig_077

Query population : 9
Reference population : 59
Relative Ks p-value : 0.666547
Relative ecdf deviation area : 0.0417697
Relative ecdf area correlation : -0.154621
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 : 0.39
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.24611
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



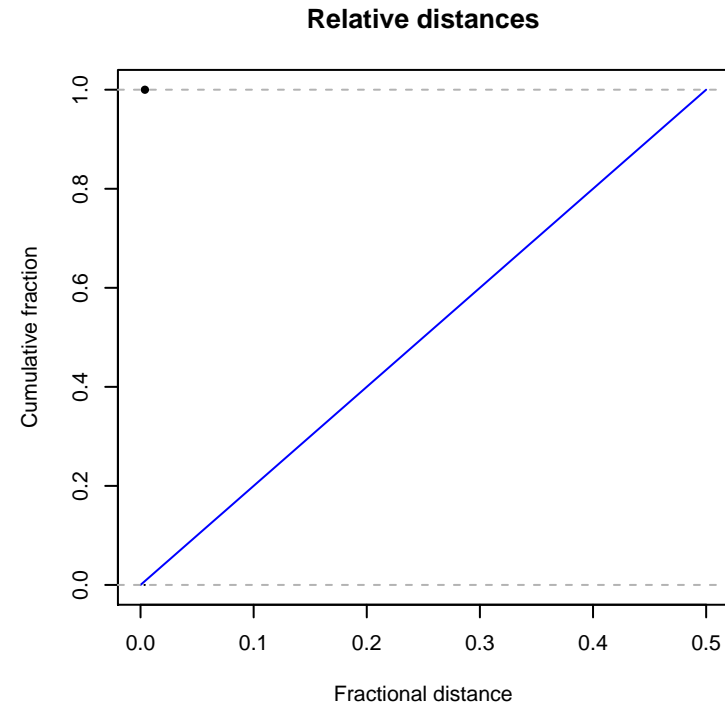
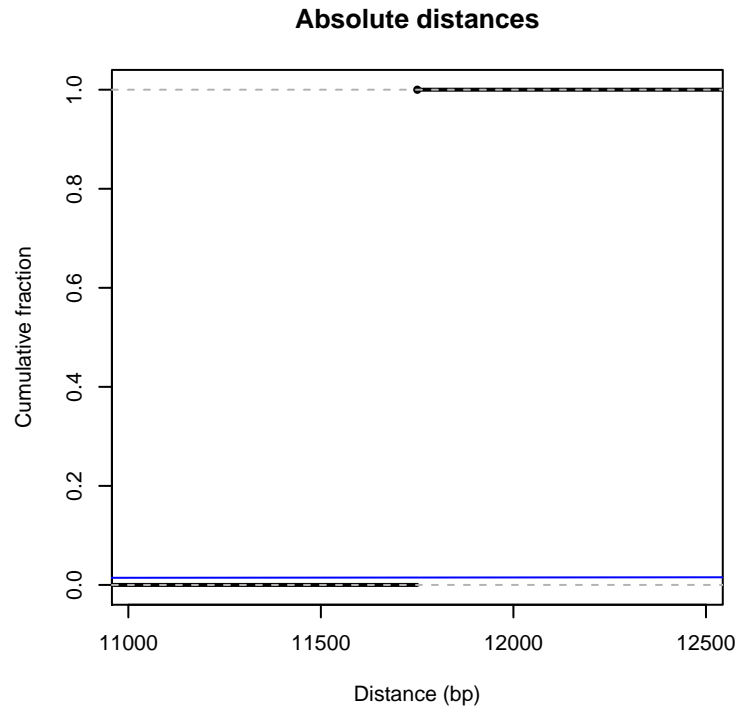
pcontig_078

Query population : 3
Reference population : 42
Relative Ks p-value : 0.873561
Relative ecdf deviation area : 0.0569954
Relative ecdf area correlation : -0.101236
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 : 0.13
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0588379
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_079

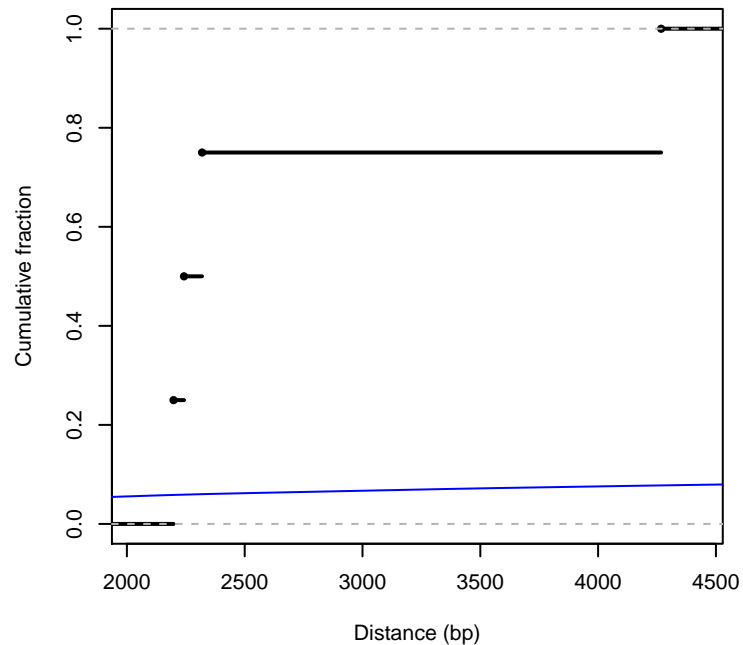
Query population : 1
Reference population : 6
Relative Ks p-value : 0.0154609
Relative ecdf deviation area : 0.246924
Relative ecdf area correlation : 0.984539
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00195084
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



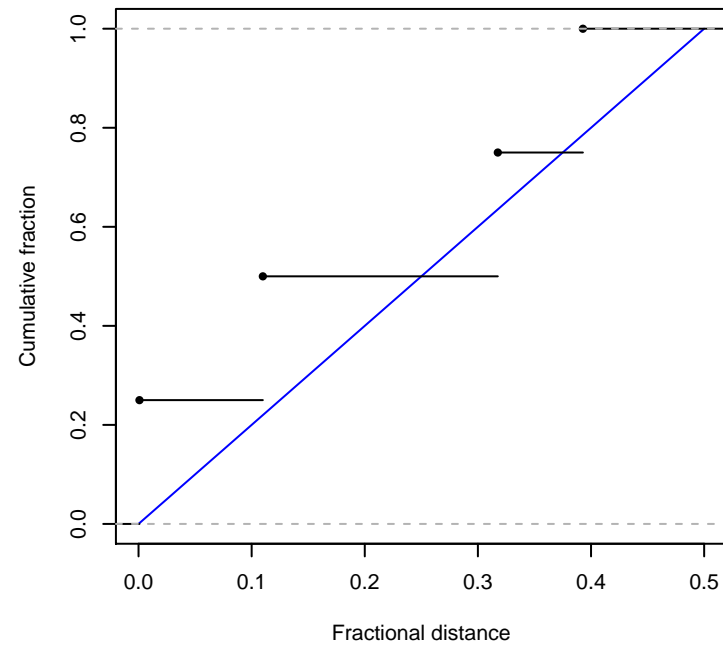
pcontig_080

Query population : 4
Reference population : 58
Relative Ks p-value : 0.829454
Relative ecdf deviation area : 0.0548391
Relative ecdf area correlation : 0.178864
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 : 0.17
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.100568
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

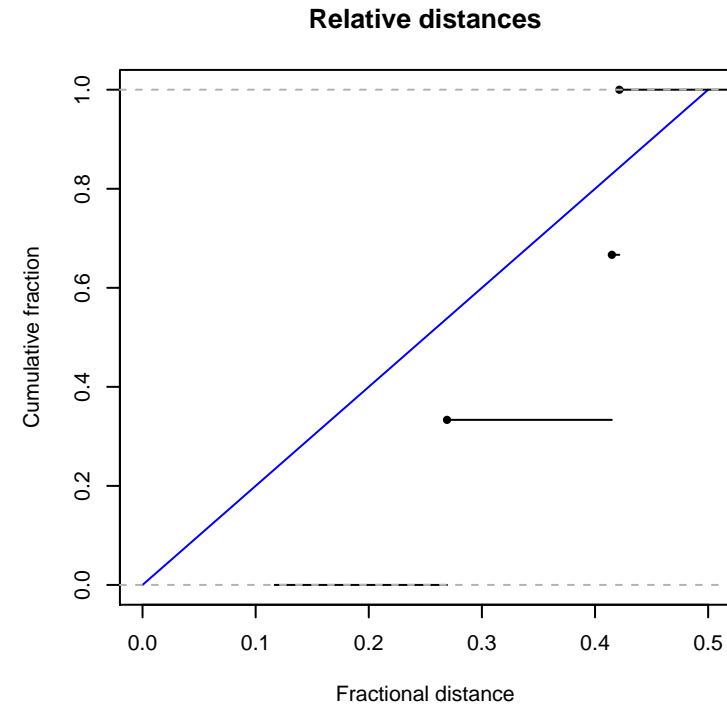
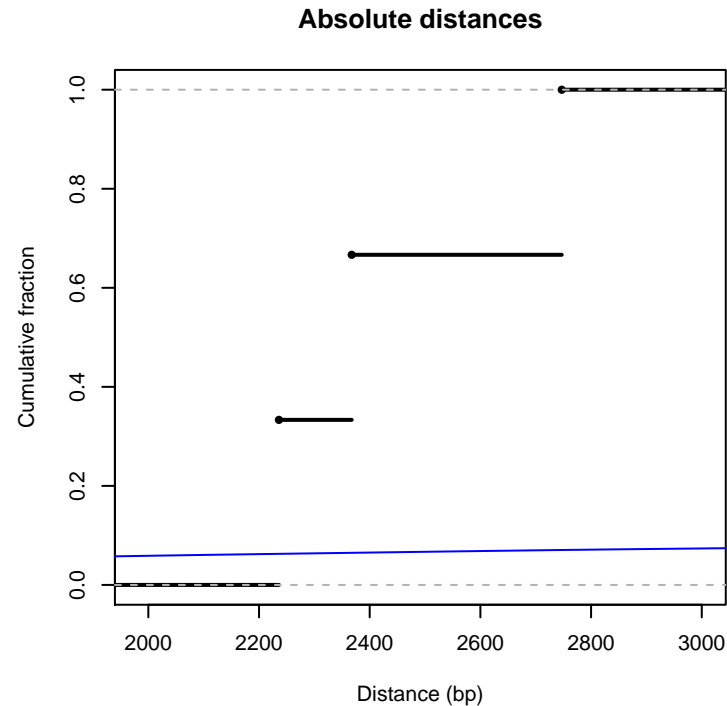


Relative distances



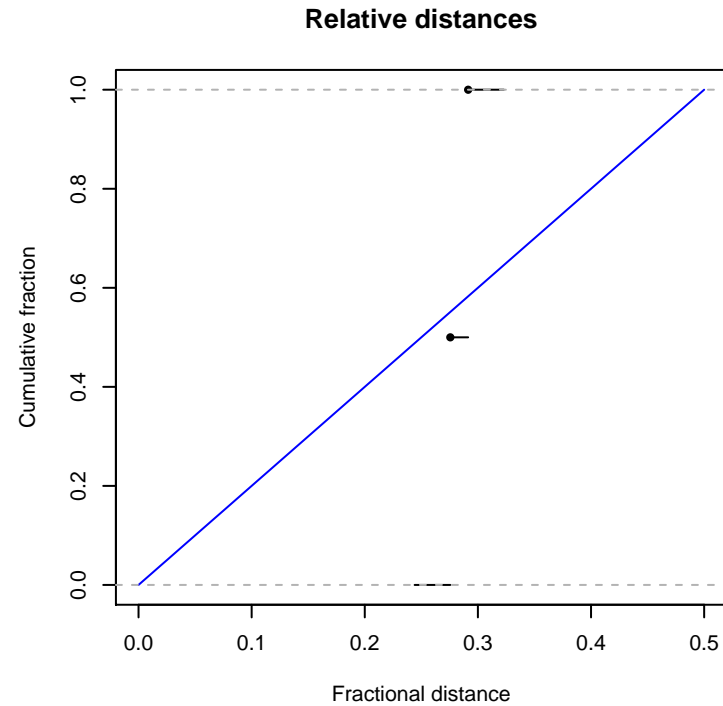
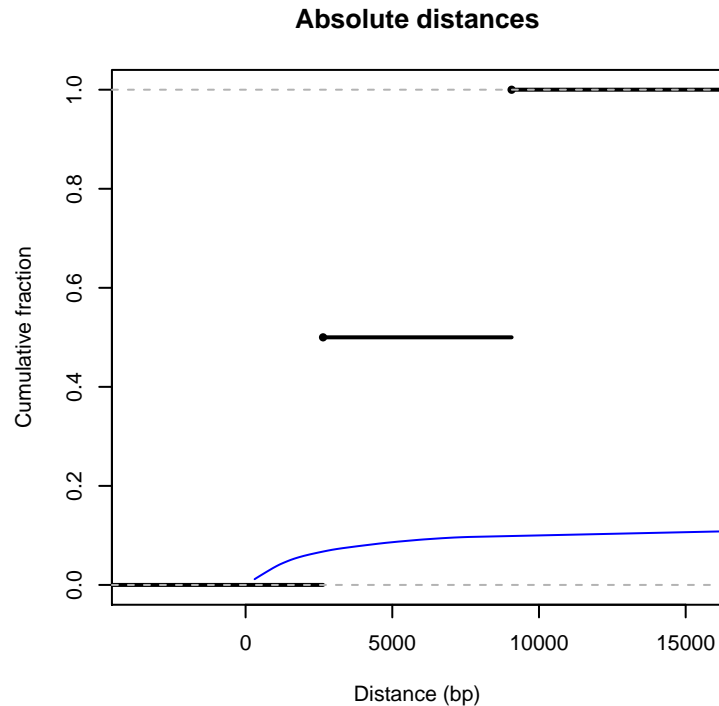
pcontig_081

Query population : 3
Reference population : 55
Relative Ks p-value : 0.250041
Relative ecdf deviation area : 0.130531
Relative ecdf area correlation : -0.47406
Relative ecdf deviation area p-value : 0.19
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.24
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0754245
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_082

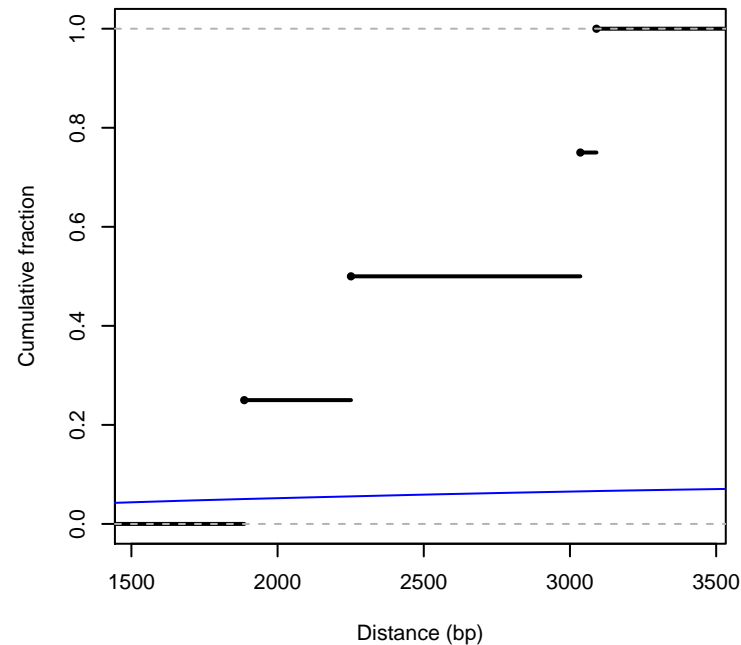
Query population : 2
Reference population : 58
Relative Ks p-value : 0.402824
Relative ecdf deviation area : 0.120488
Relative ecdf area correlation : -0.133974
Relative ecdf deviation area p-value : 0.39
Scaled Absolute min. distance p-value : 0.02
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.09
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0495536
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



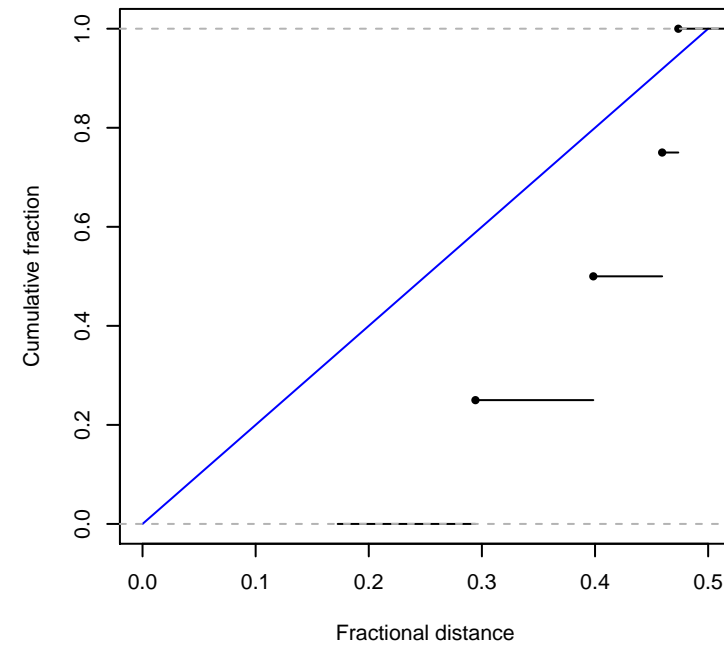
pcontig_083

Query population : 4
Reference population : 50
Relative Ks p-value : 0.077136
Relative ecdf deviation area : 0.157364
Relative ecdf area correlation : -0.625731
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.16
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0916072
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances



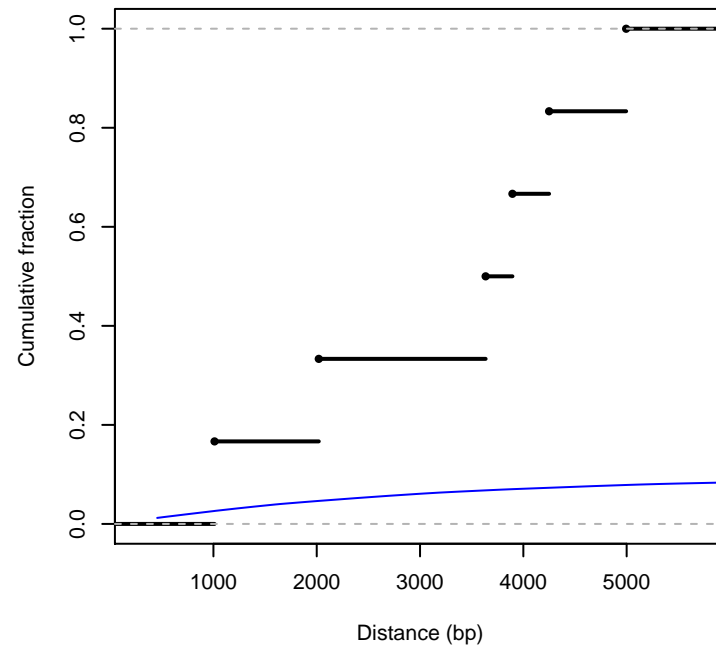
Relative distances



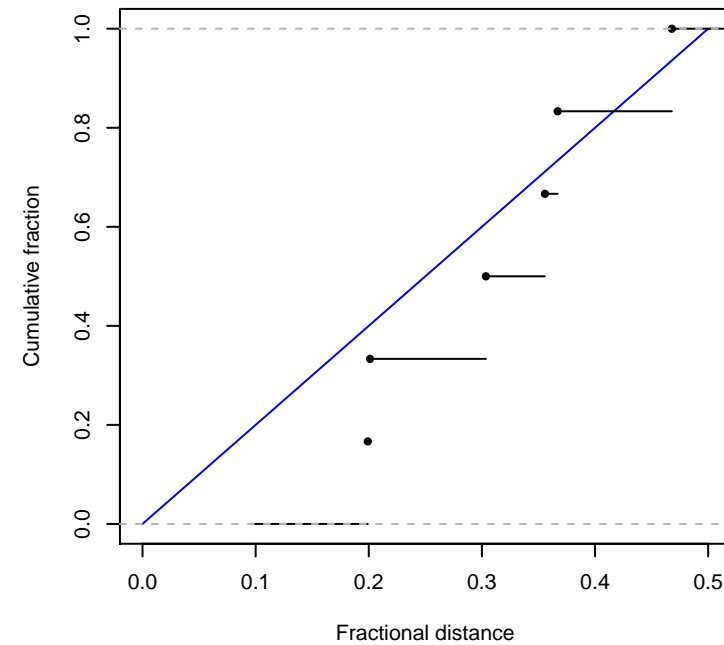
pcontig_084

Query population : 6
Reference population : 41
Relative Ks p-value : 0.228174
Relative ecdf deviation area : 0.0730019
Relative ecdf area correlation : -0.26294
Relative ecdf deviation area p-value : 0.34
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.24
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.109083
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

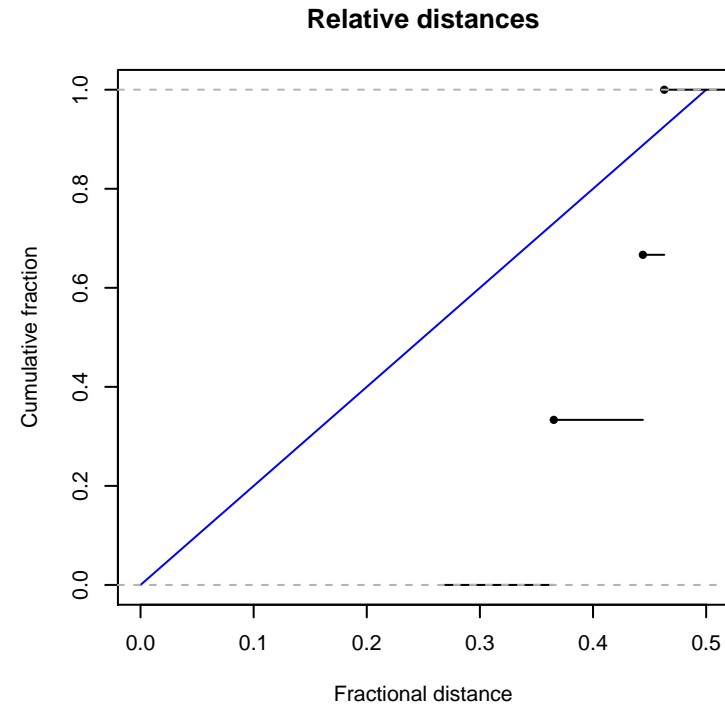
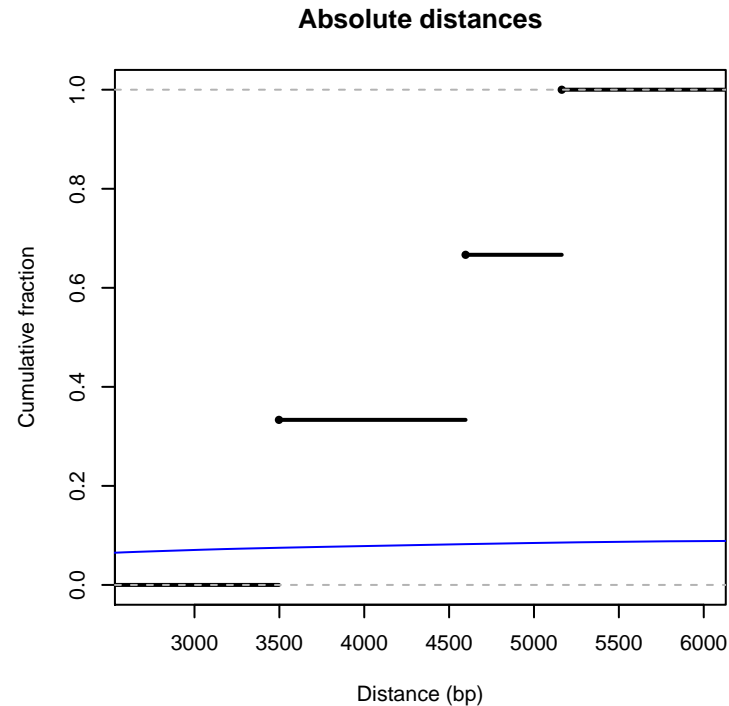


Relative distances



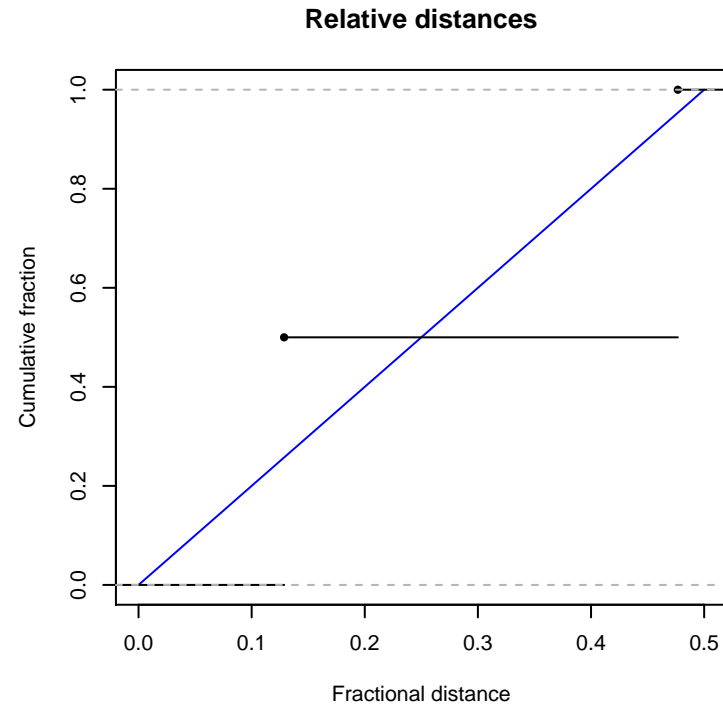
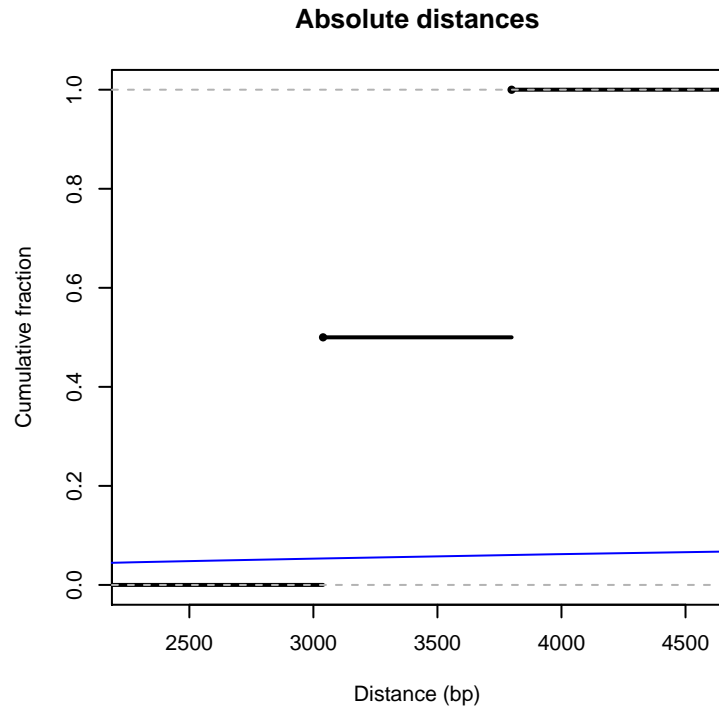
pcontig_086

Query population : 3
Reference population : 57
Relative Ks p-value : 0.0391249
Relative ecdf deviation area : 0.176711
Relative ecdf area correlation : -0.696404
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 : 0.19
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0641334
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



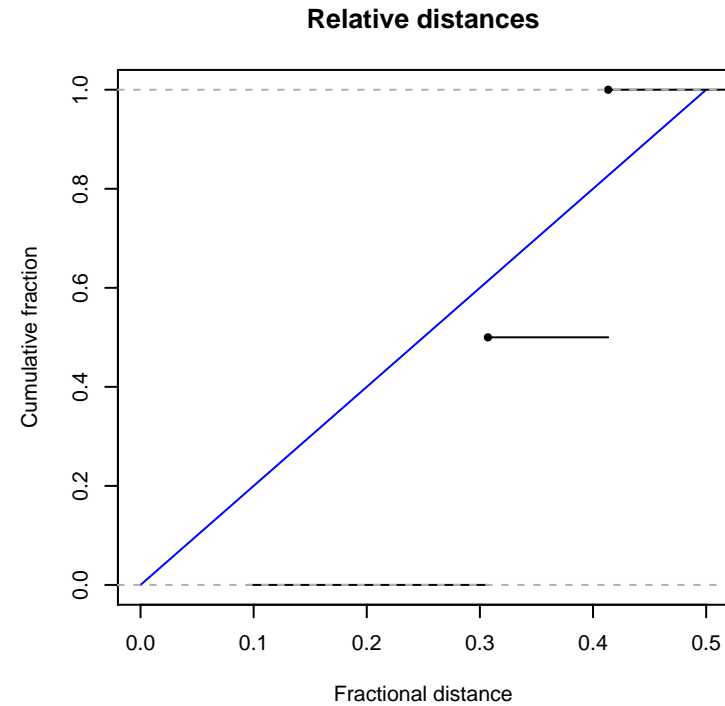
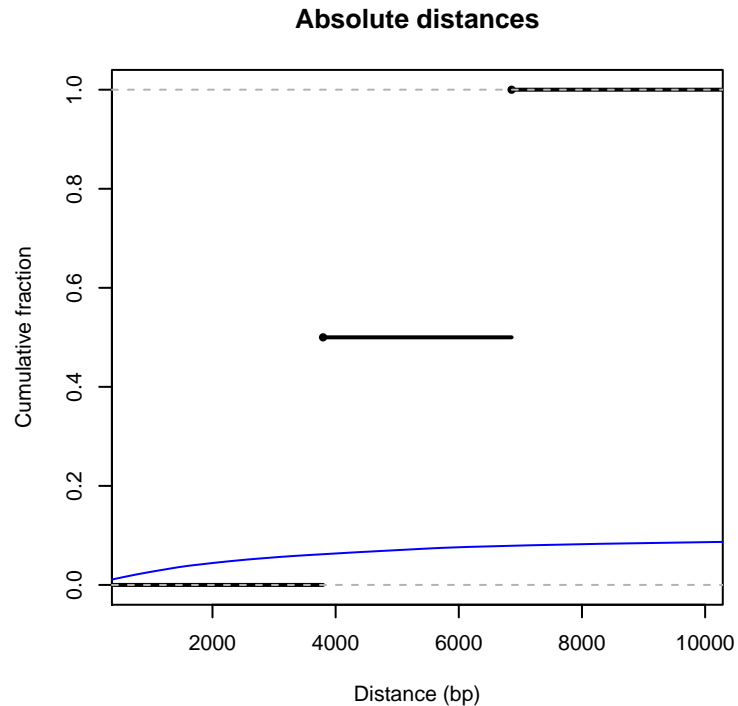
pcontig_087

Query population : 2
Reference population : 42
Relative Ks p-value : 0.668688
Relative ecdf deviation area : 0.0831436
Relative ecdf area correlation : -0.210943
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 : 0.11
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0402974
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



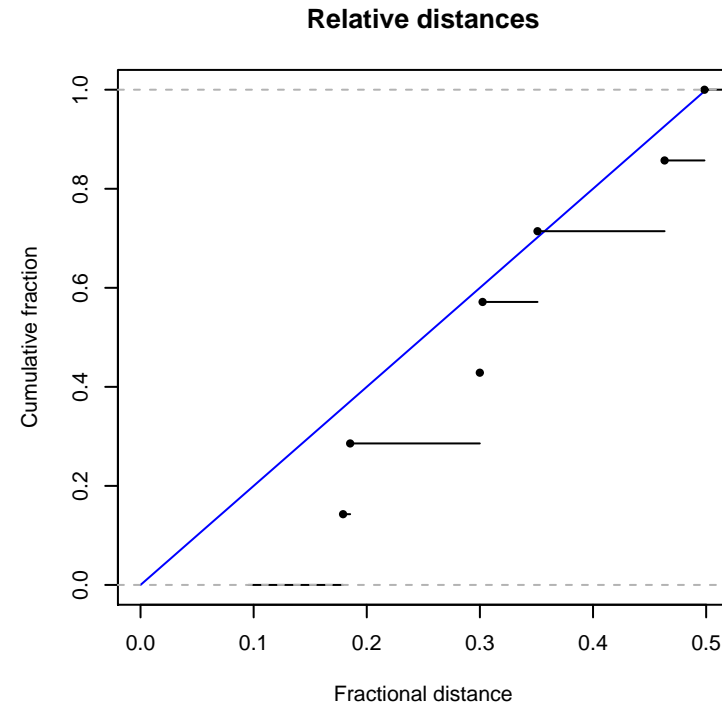
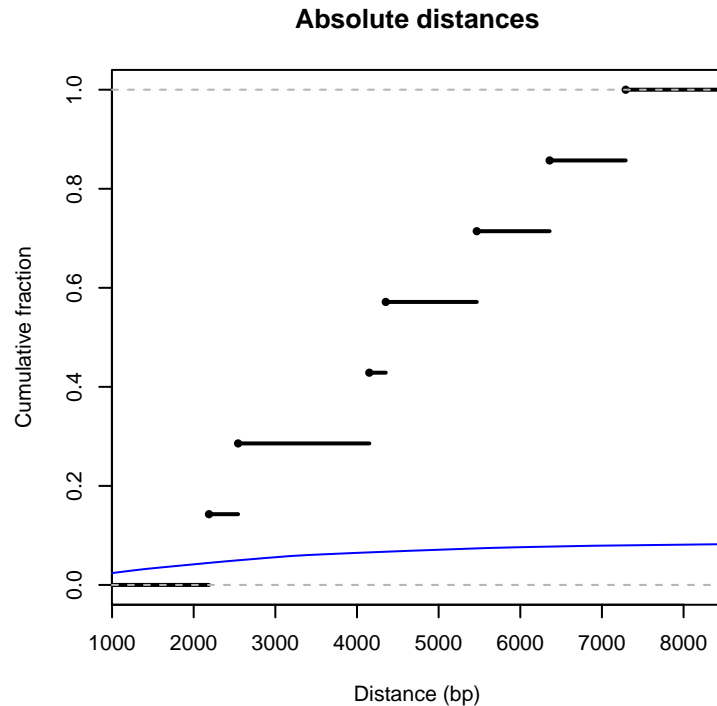
pcontig_088

Query population : 2
Reference population : 46
Relative Ks p-value : 0.297699
Relative ecdf deviation area : 0.125196
Relative ecdf area correlation : -0.440992
Relative ecdf deviation area p-value : 0.31
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 : 0.0391511
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



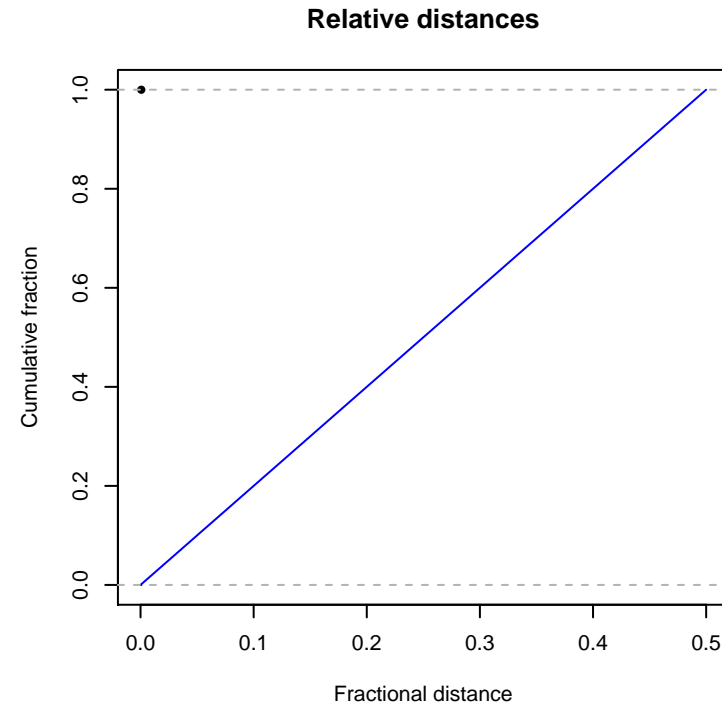
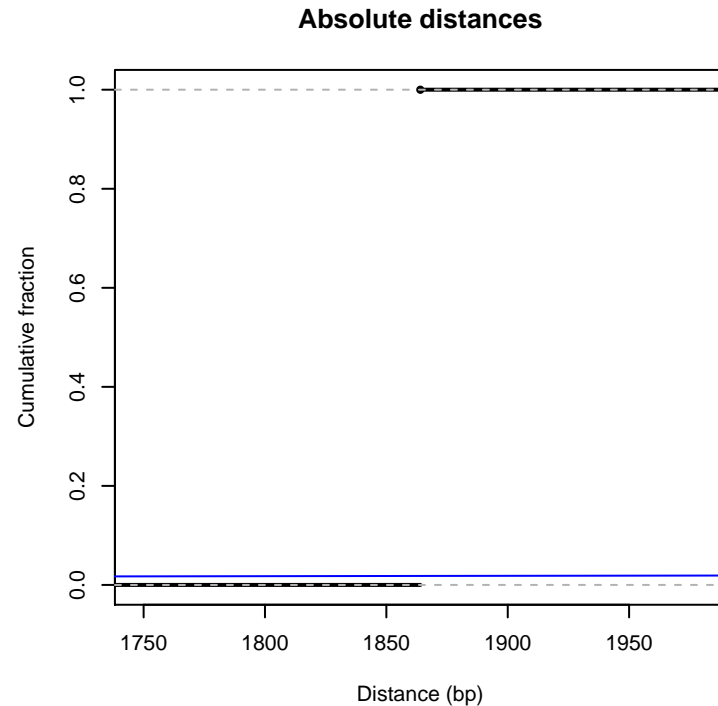
pcontig_089

Query population : 7
Reference population : 39
Relative Ks p-value : 0.261711
Relative ecdf deviation area : 0.0754507
Relative ecdf area correlation : -0.302488
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 : 0.28
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.131633
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



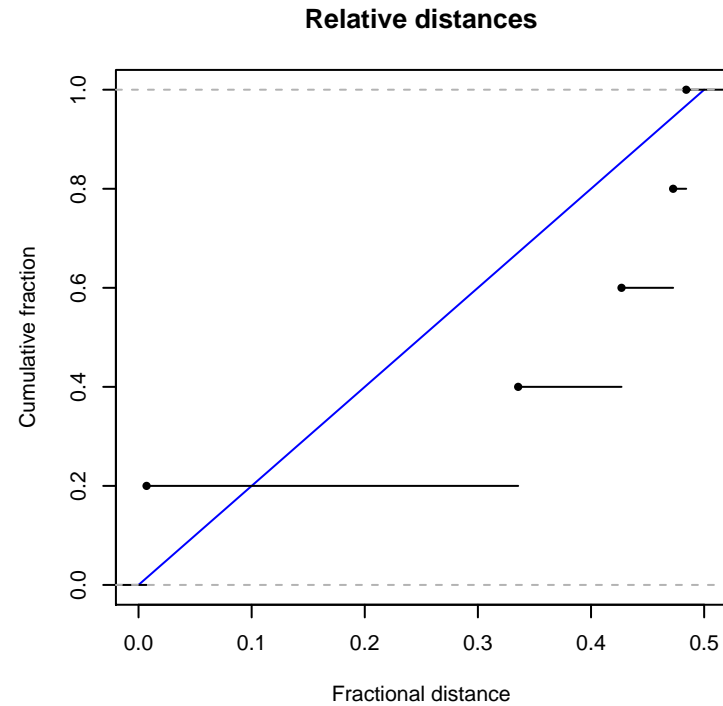
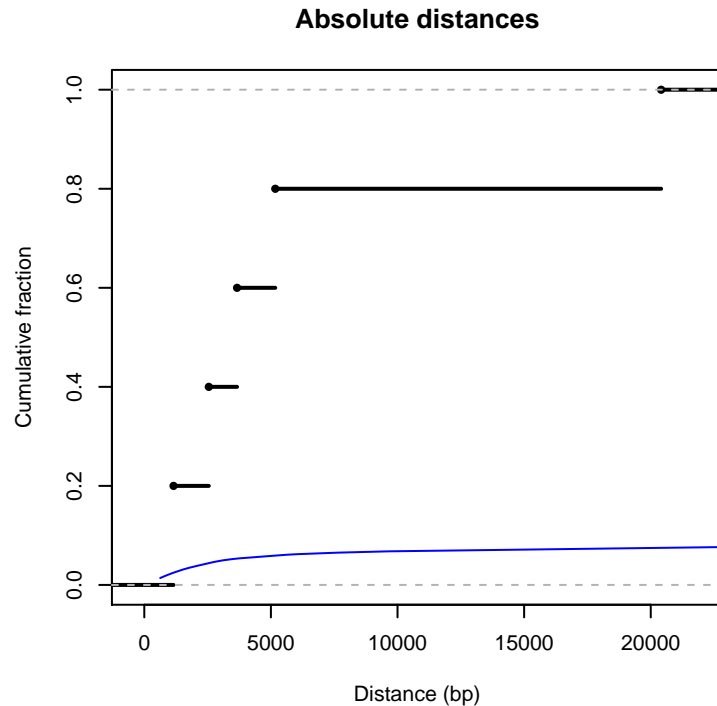
pcontig_090

Query population : 1
Reference population : 20
Relative Ks p-value : 0.00259619
Relative ecdf deviation area : 0.25
Relative ecdf area correlation : 0.997404
Relative ecdf deviation 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 : 0.00932154
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



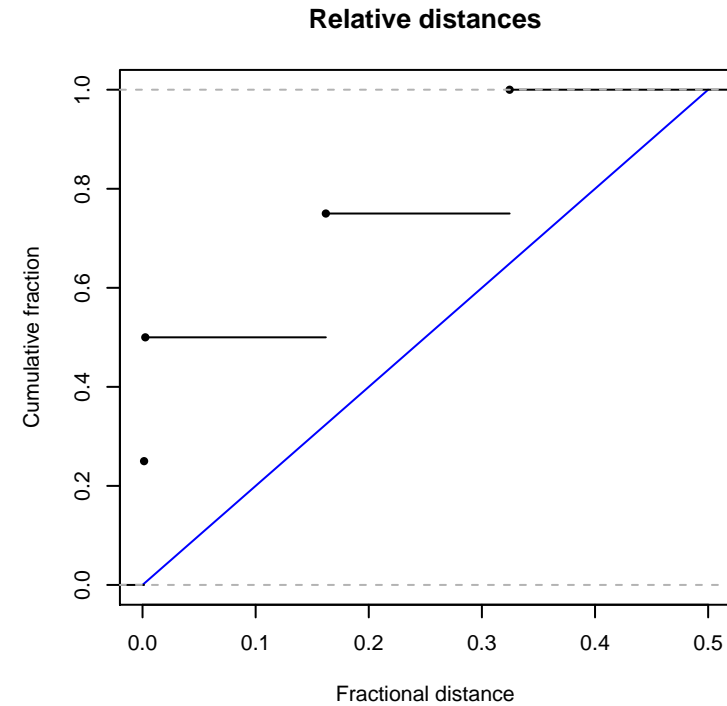
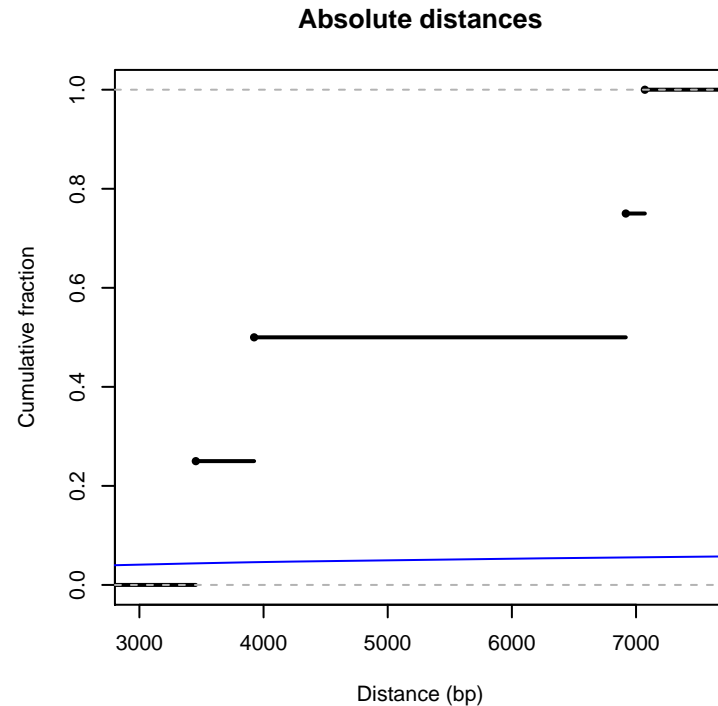
pcontig_091

Query population : 5
Reference population : 34
Relative Ks p-value : 0.155279
Relative ecdf deviation area : 0.112594
Relative ecdf area correlation : -0.381121
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 : 0.2
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.089145
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



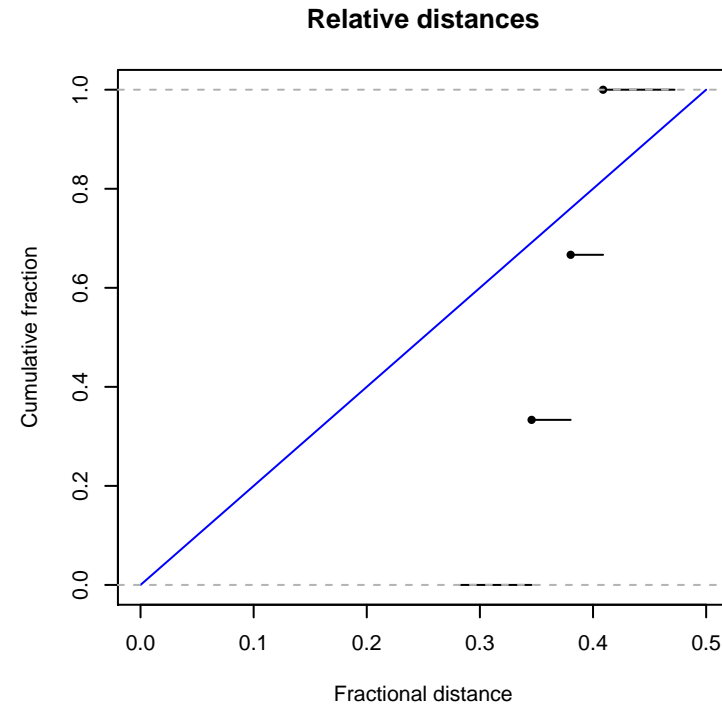
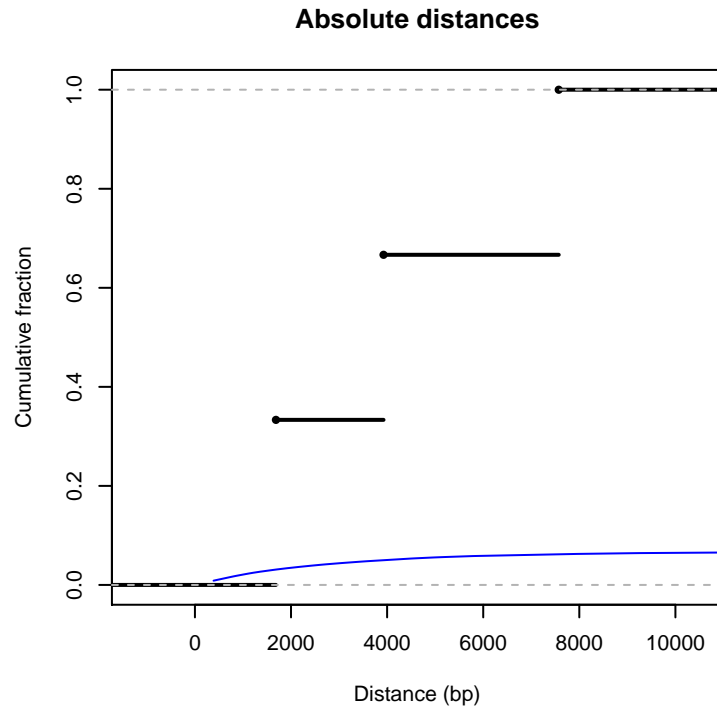
pcontig_092

Query population : 4
Reference population : 31
Relative Ks p-value : 0.19574
Relative ecdf deviation area : 0.127284
Relative ecdf area correlation : 0.50963
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 : 0.12
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0749547
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



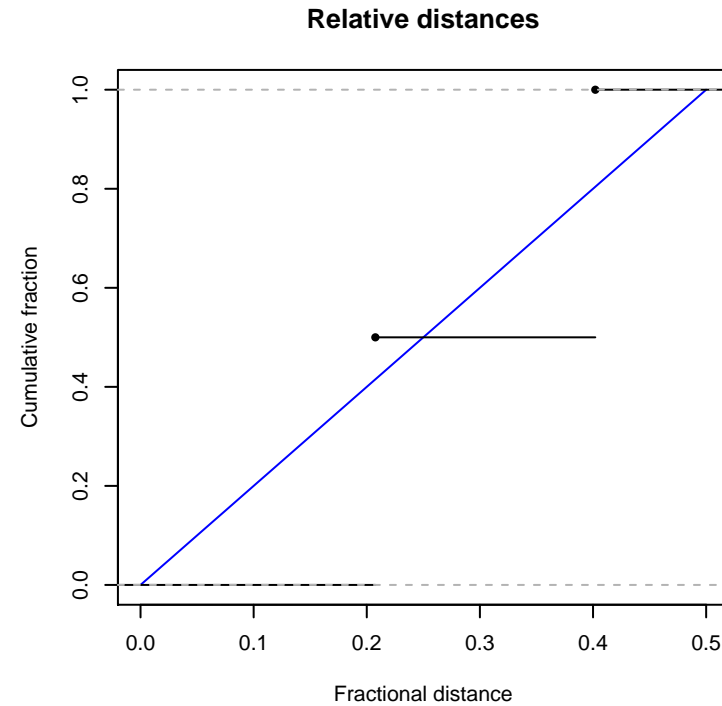
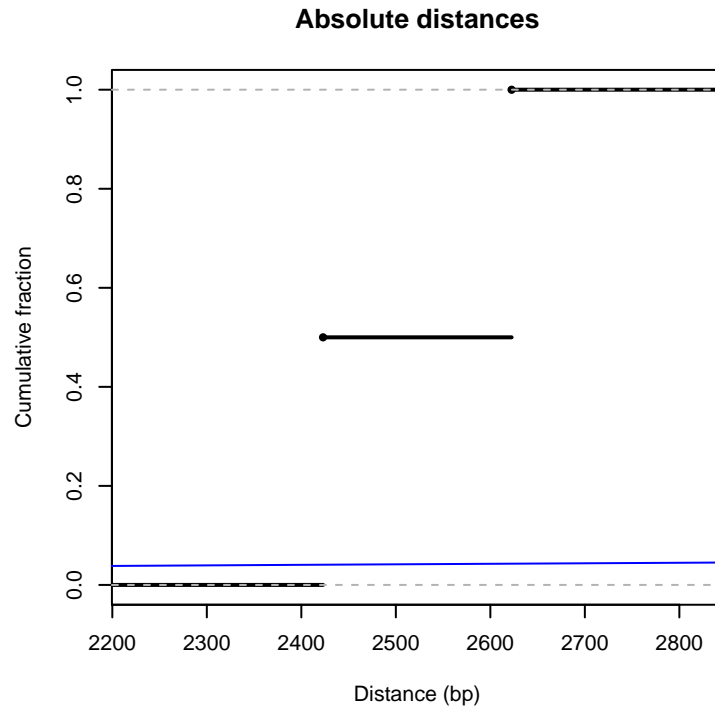
pcontig_095

Query population : 3
Reference population : 34
Relative Ks p-value : 0.0587735
Relative ecdf deviation area : 0.145145
Relative ecdf area correlation : -0.513098
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 : 0.1
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.047382
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



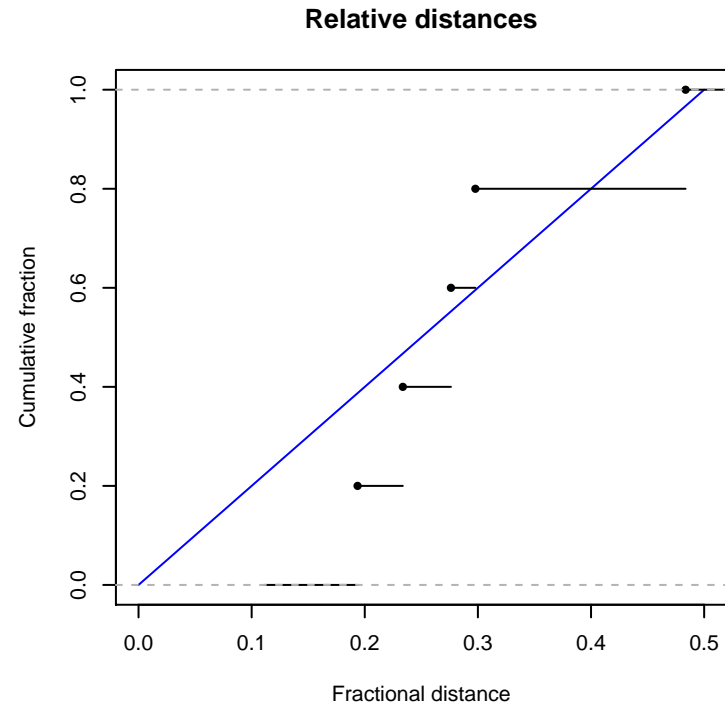
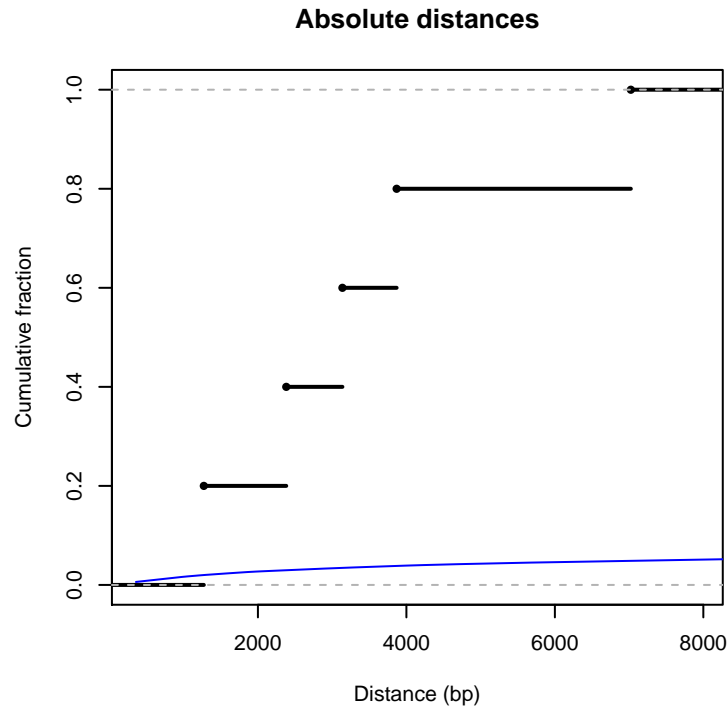
pcontig_097

Query population : 2
Reference population : 33
Relative Ks p-value : 0.781718
Relative ecdf deviation area : 0.0774851
Relative ecdf area correlation : -0.219231
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 : 0.09
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0343385
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



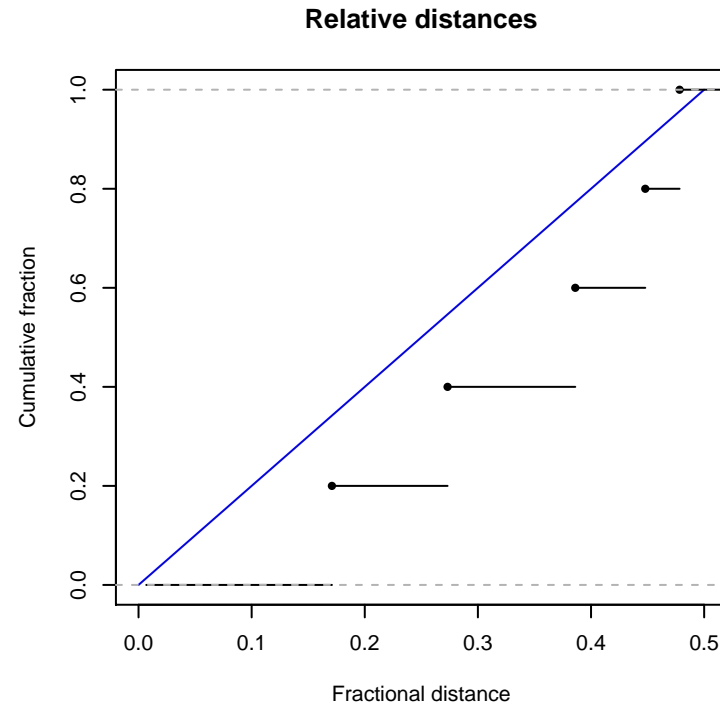
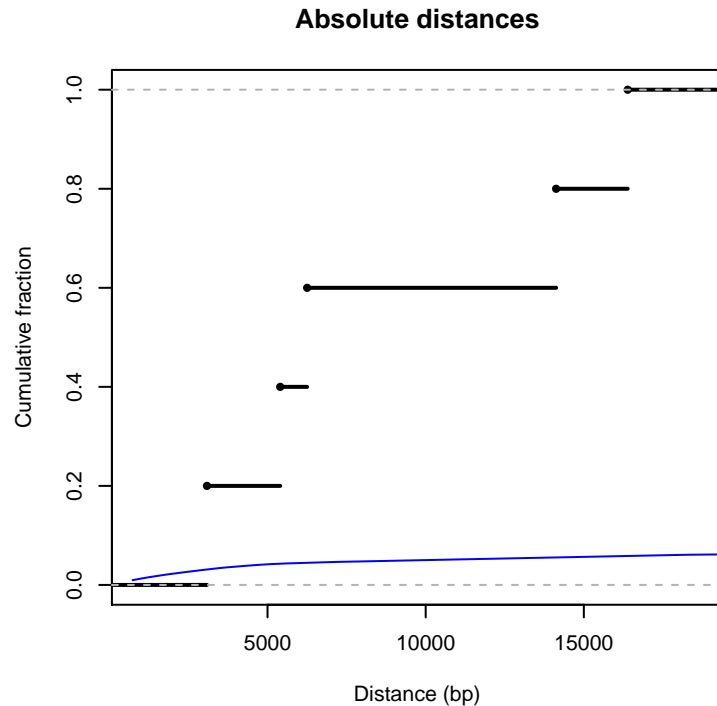
pcontig_100

Query population : 5
Reference population : 26
Relative Ks p-value : 0.344511
Relative ecdf deviation area : 0.0692819
Relative ecdf area correlation : -0.187822
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 : 0.08
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0584571
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



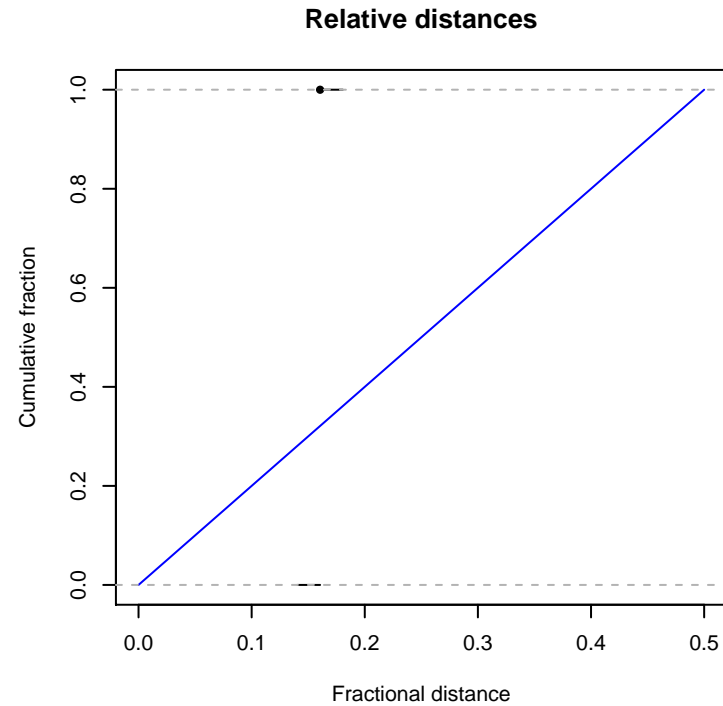
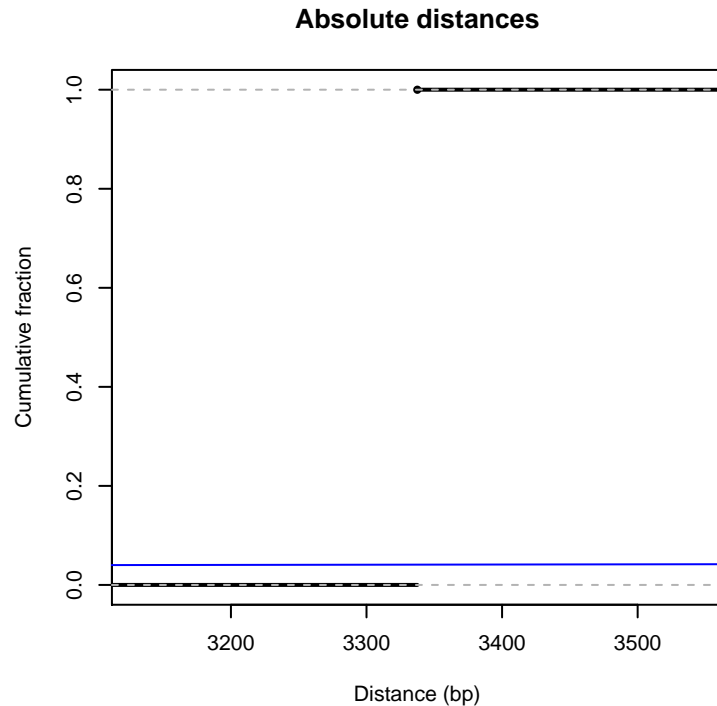
pcontig_103

Query population : 5
Reference population : 20
Relative Ks p-value : 0.39187
Relative ecdf deviation area : 0.102464
Relative ecdf area correlation : -0.405158
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 : 0.09
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.033861
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



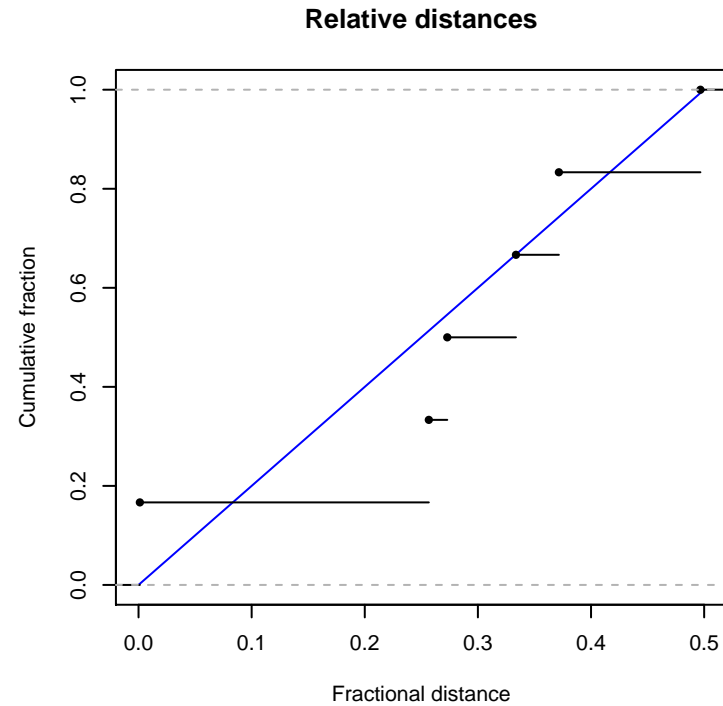
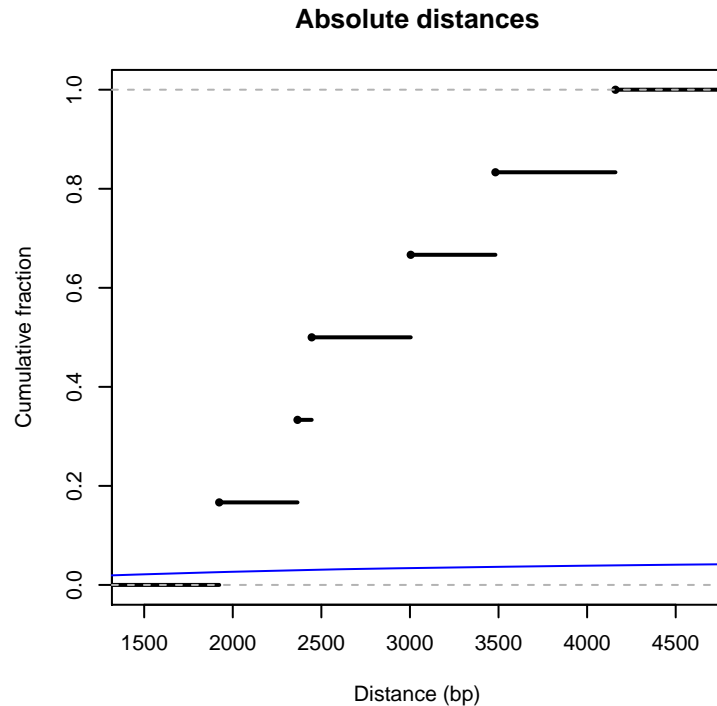
pcontig_104

Query population : 1
Reference population : 33
Relative Ks p-value : 0.641997
Relative ecdf deviation area : 0.141047
Relative ecdf area correlation : 0.358003
Relative ecdf deviation area p-value : 0.63
Scaled Absolute min. distance p-value : 0.02
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.05
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0176128
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



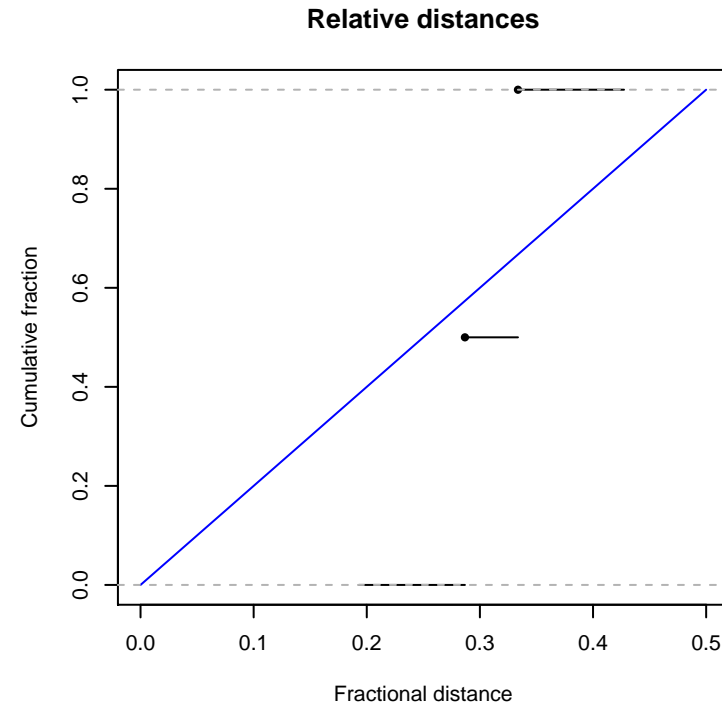
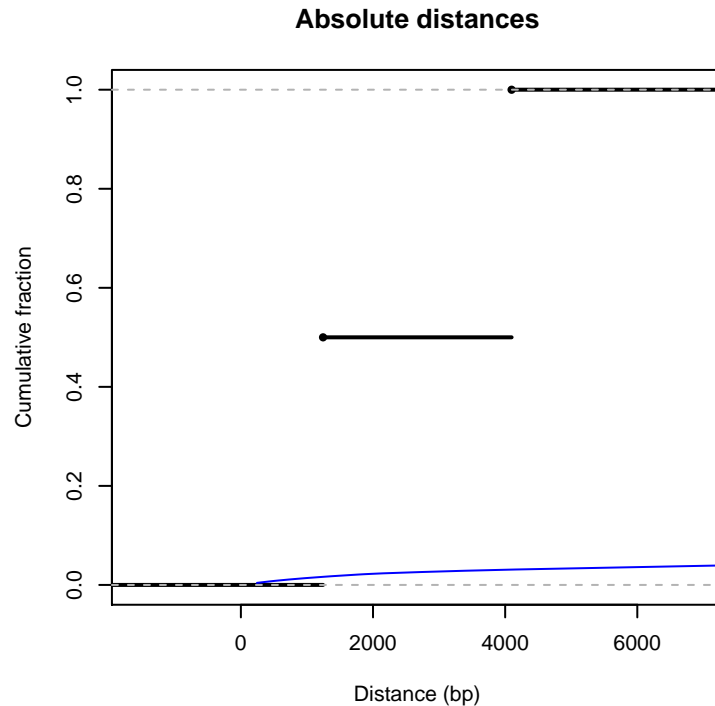
pcontig_106

Query population : 6
Reference population : 24
Relative Ks p-value : 0.378168
Relative ecdf deviation area : 0.0563389
Relative ecdf area correlation : -0.155115
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 : 0.2
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0751939
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_110

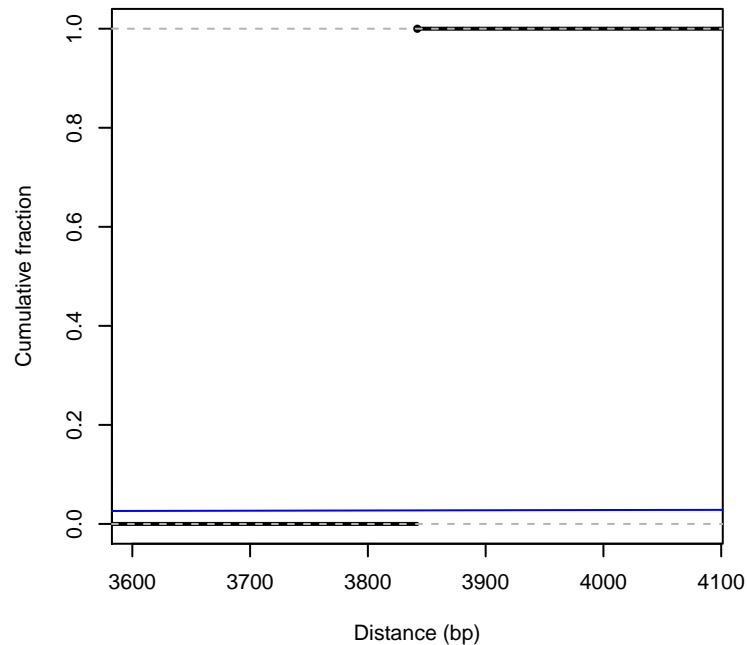
Query population : 2
Reference population : 26
Relative Ks p-value : 0.363739
Relative ecdf deviation area : 0.115954
Relative ecdf area correlation : -0.240831
Relative ecdf deviation area p-value : 0.35
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0216627
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



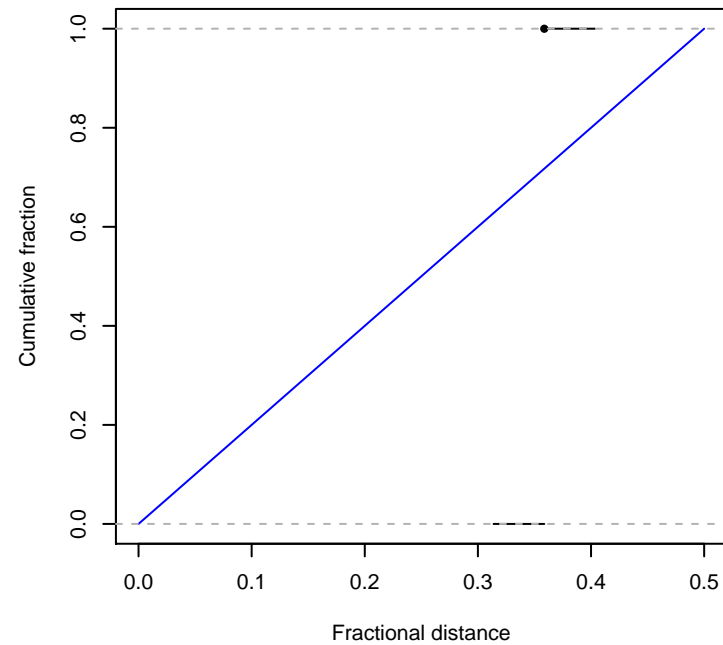
pcontig_112

Query population : 1
Reference population : 17
Relative Ks p-value : 0.56528
Relative ecdf deviation area : 0.148922
Relative ecdf area correlation : -0.43472
Relative ecdf deviation area p-value : 0.61
Scaled Absolute min. distance p-value : 0.04
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00541495
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

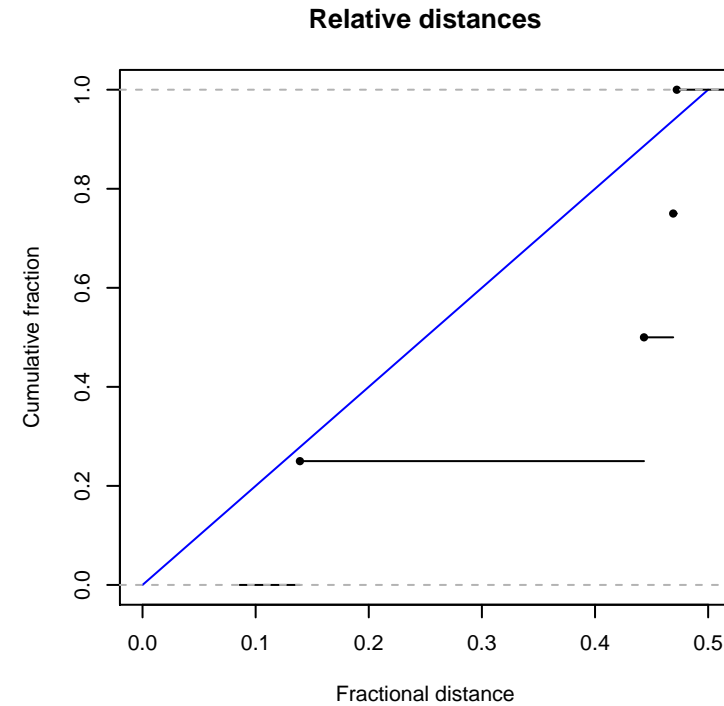
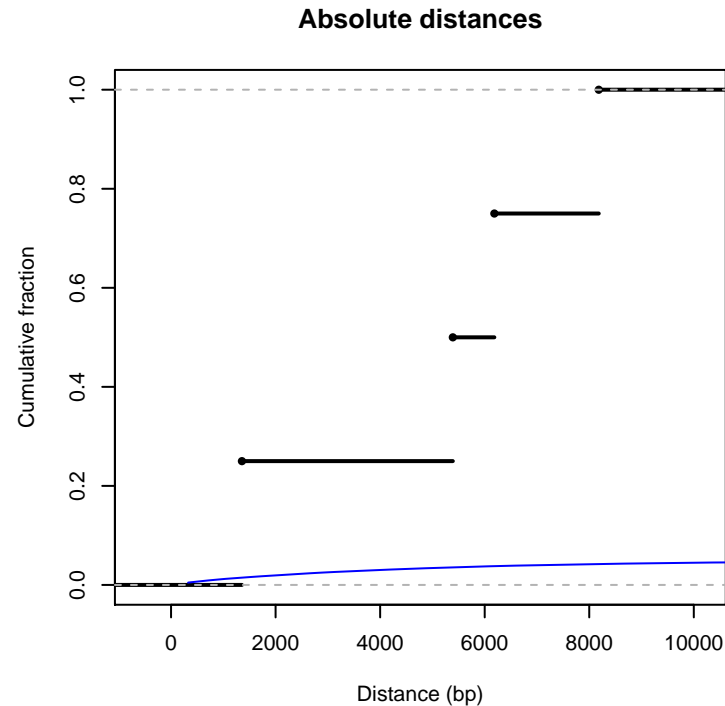


Relative distances



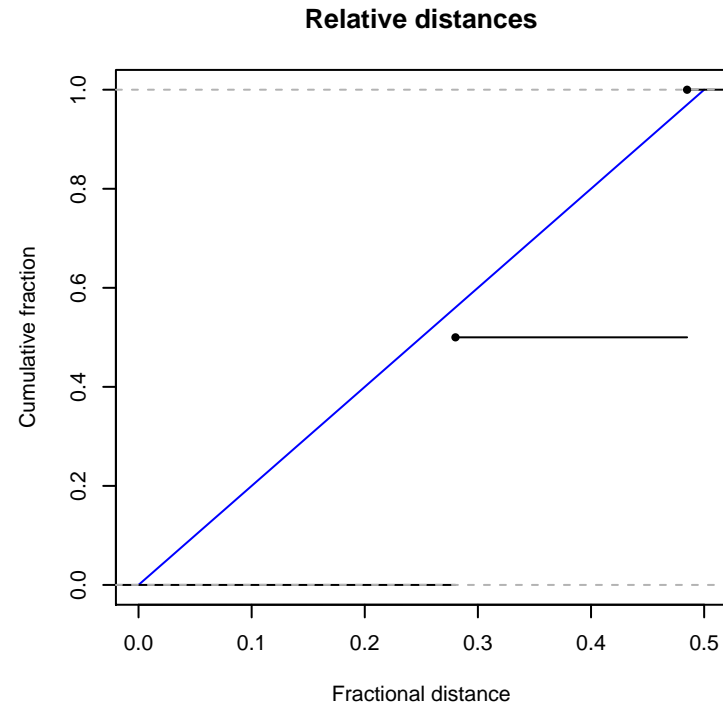
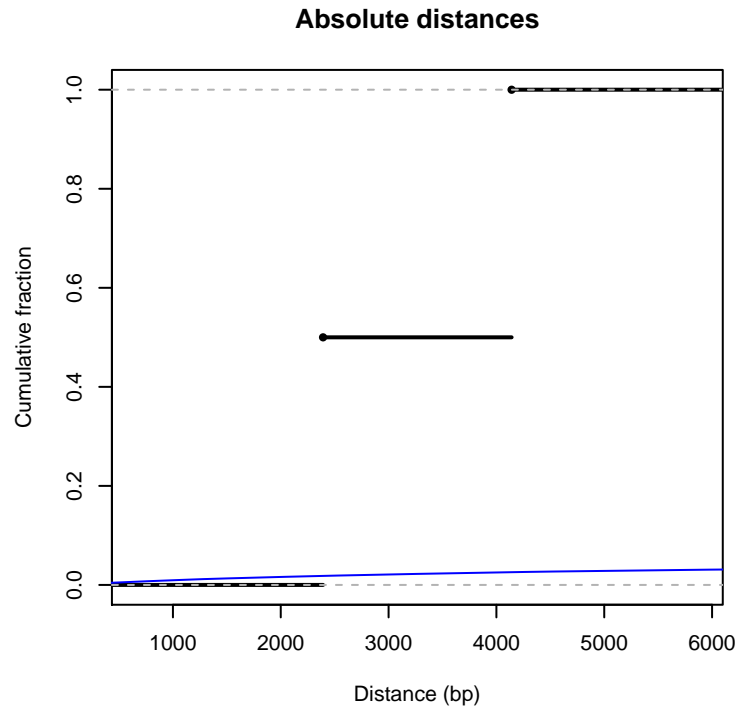
pcontig_115

Query population : 4
Reference population : 22
Relative Ks p-value : 0.0423295
Relative ecdf deviation area : 0.132933
Relative ecdf area correlation : -0.523797
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 : 0.09
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0219882
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_120

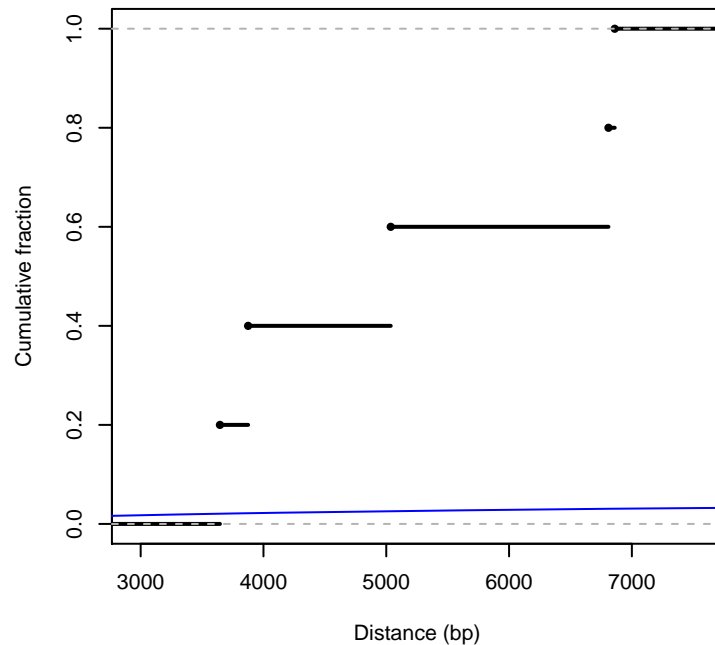
Query population : 2
Reference population : 16
Relative Ks p-value : 0.386607
Relative ecdf deviation area : 0.133468
Relative ecdf area correlation : -0.530183
Relative ecdf deviation area p-value : 0.3
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00997545
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



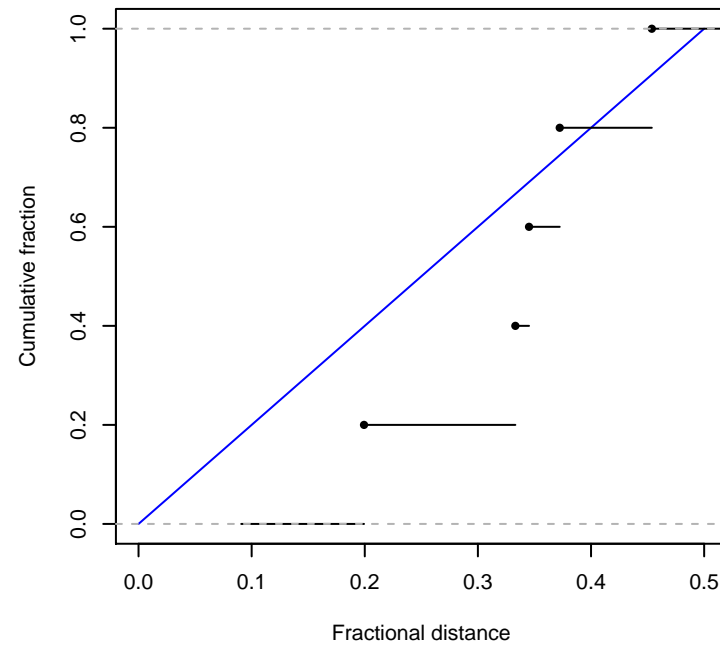
pcontig_130

Query population : 5
Reference population : 11
Relative Ks p-value : 0.163897
Relative ecdf deviation area : 0.0966665
Relative ecdf area correlation : -0.362952
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 : 0.11
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0269796
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

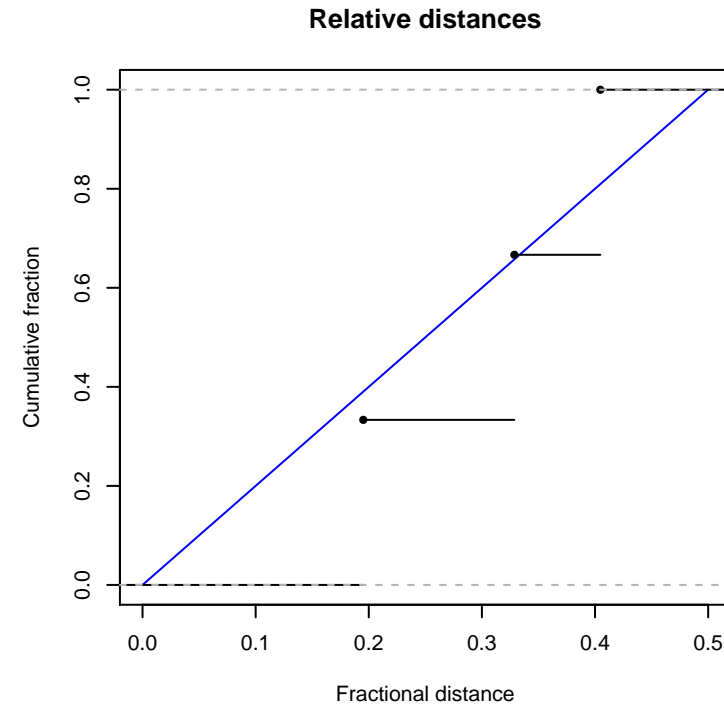
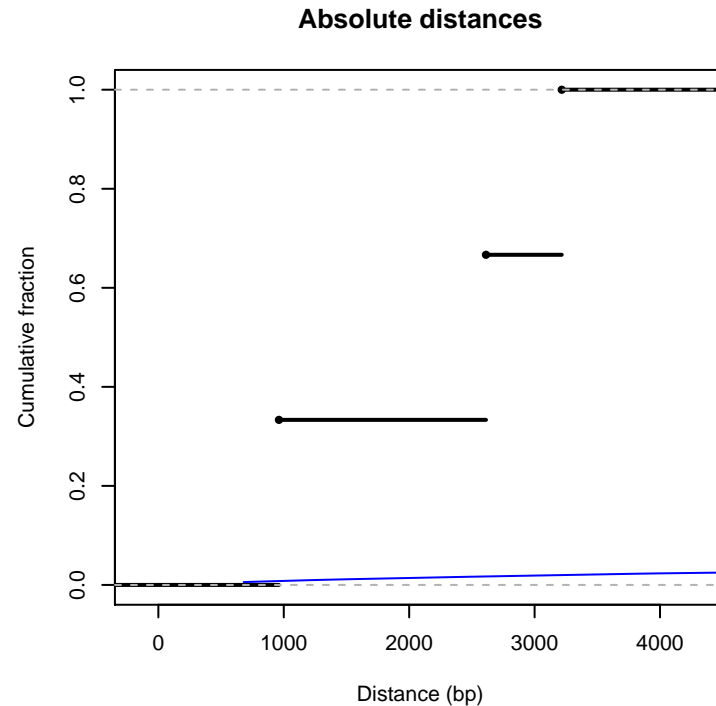


Relative distances



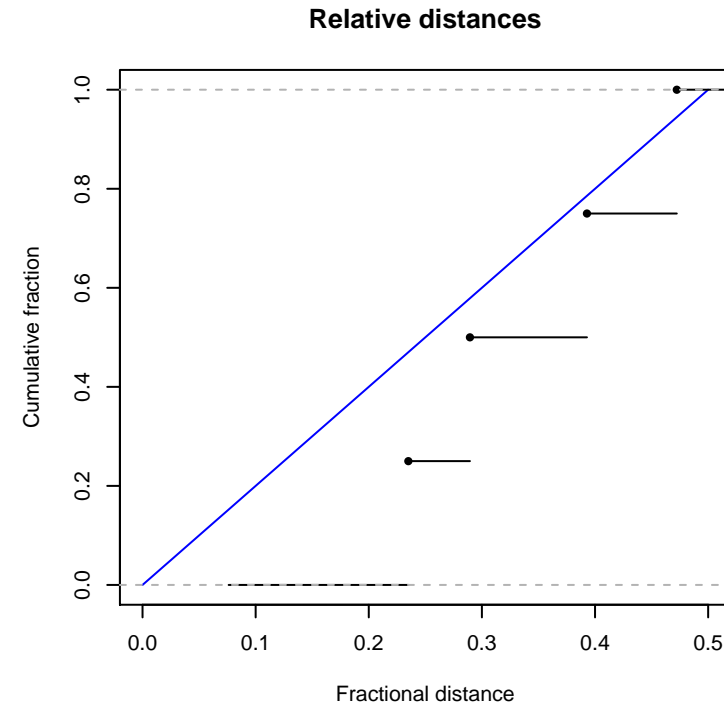
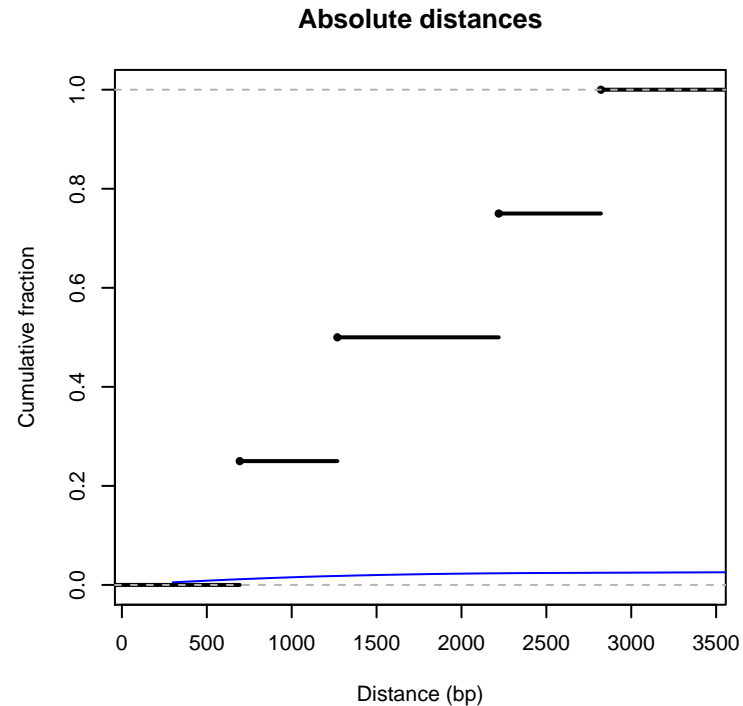
pcontig_138

Query population : 3
Reference population : 13
Relative Ks p-value : 0.621599
Relative ecdf deviation area : 0.0780546
Relative ecdf area correlation : -0.238055
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 : 0.05
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0145514
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



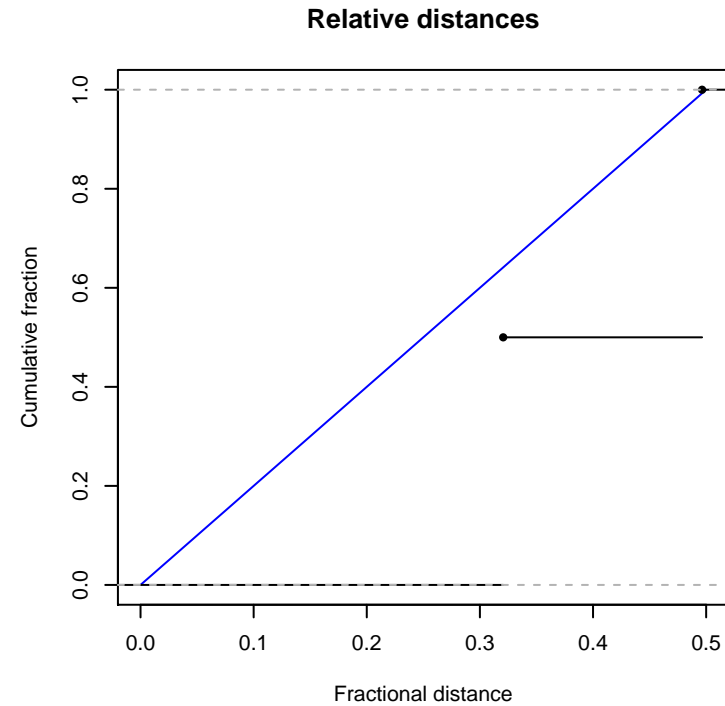
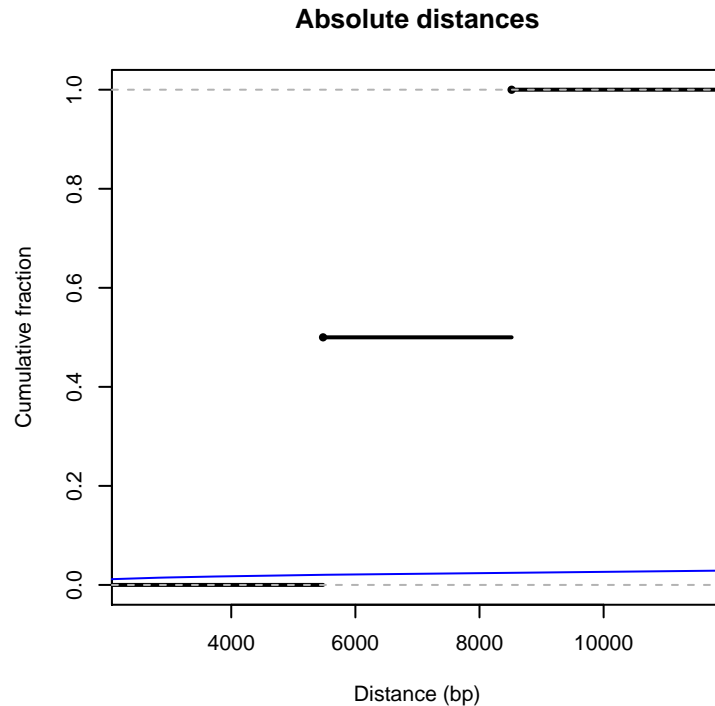
pcontig_146

Query population : 4
Reference population : 27
Relative Ks p-value : 0.245364
Relative ecdf deviation area : 0.098698
Relative ecdf area correlation : -0.389546
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 : 0.08
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0471805
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



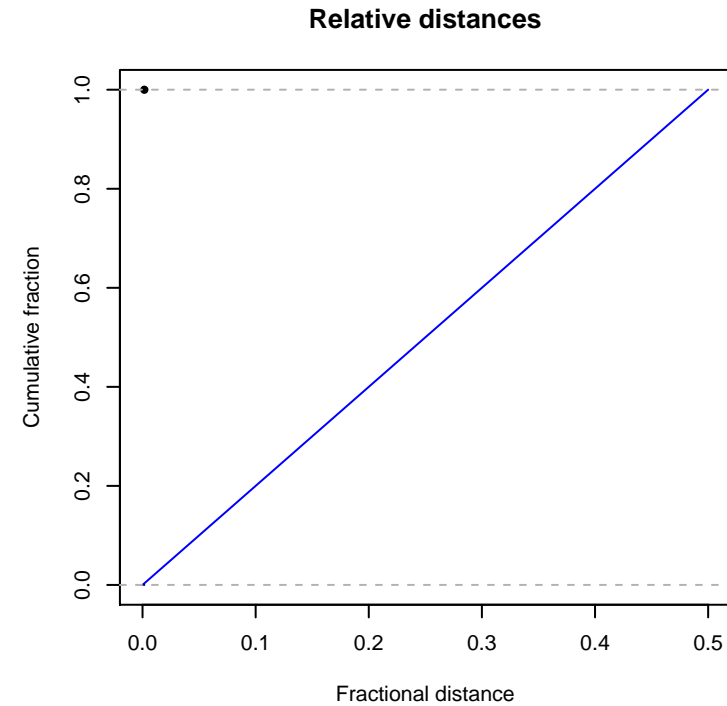
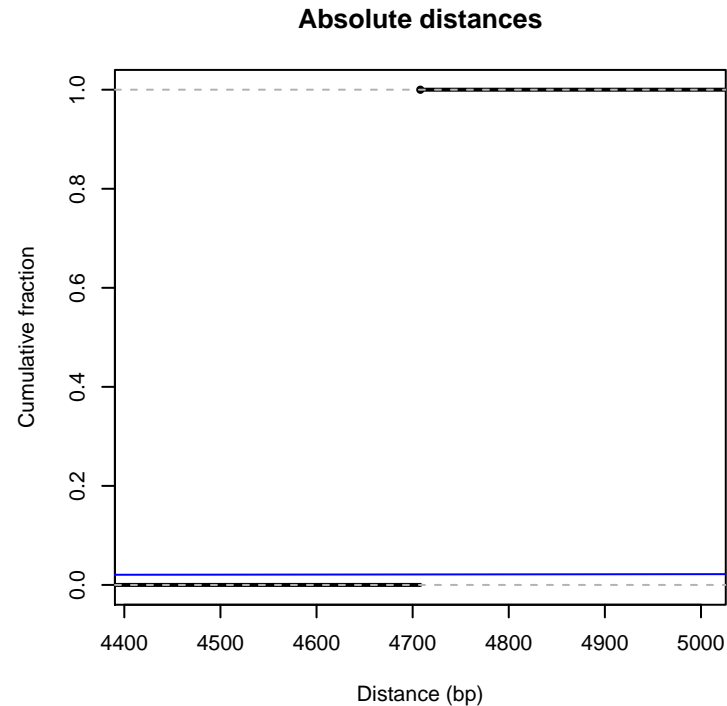
pcontig_147

Query population : 2
Reference population : 11
Relative Ks p-value : 0.257479
Relative ecdf deviation area : 0.158896
Relative ecdf area correlation : -0.633995
Relative ecdf deviation area p-value : 0.18
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0123791
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



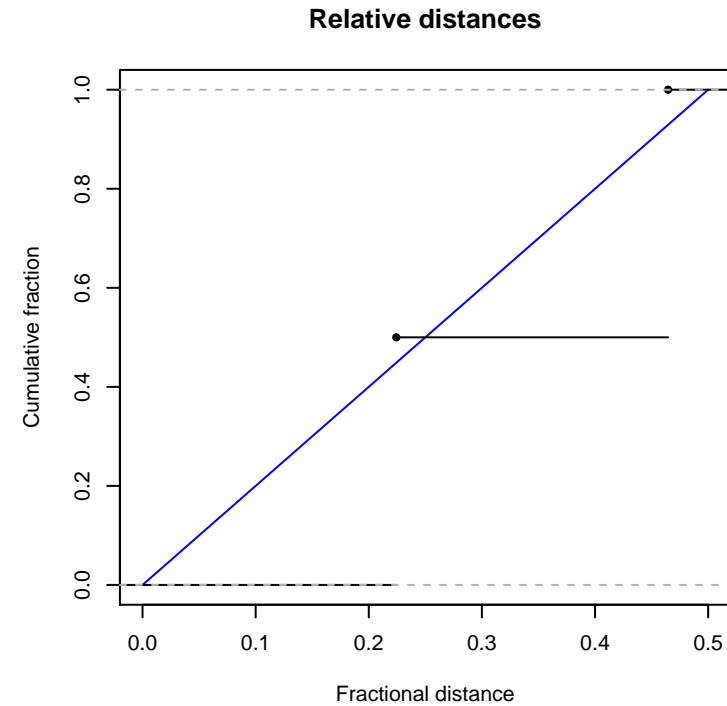
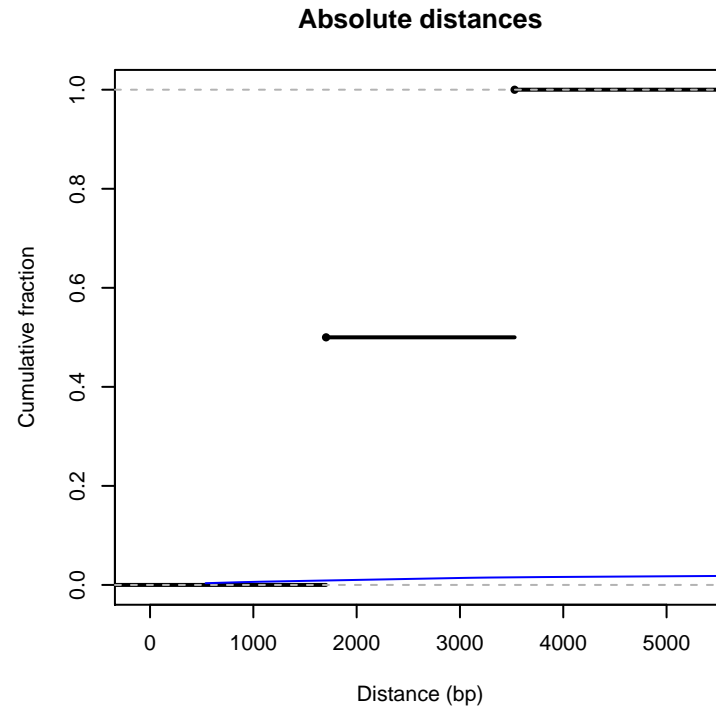
pcontig_148

Query population : 1
Reference population : 12
Relative Ks p-value : 0.00627528
Relative ecdf deviation area : 0.24927
Relative ecdf area correlation : 0.993725
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00919418
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



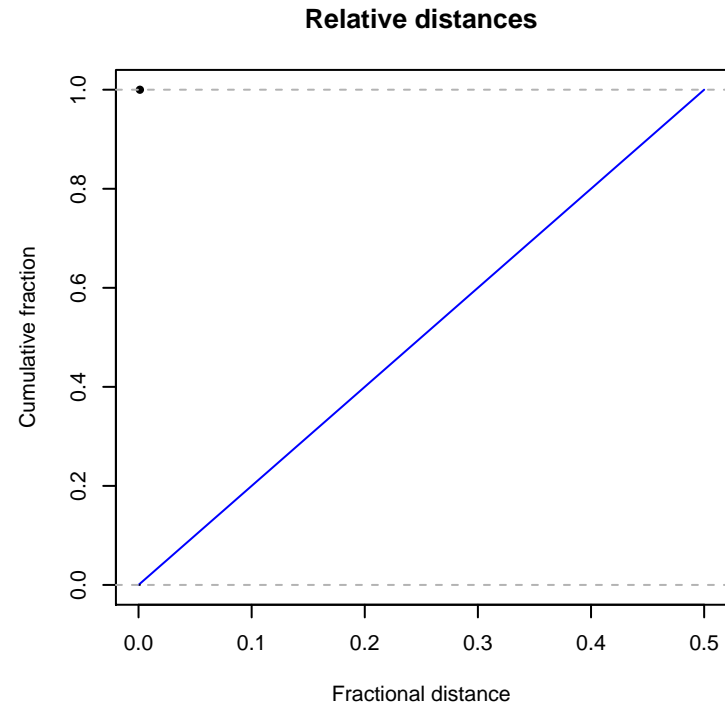
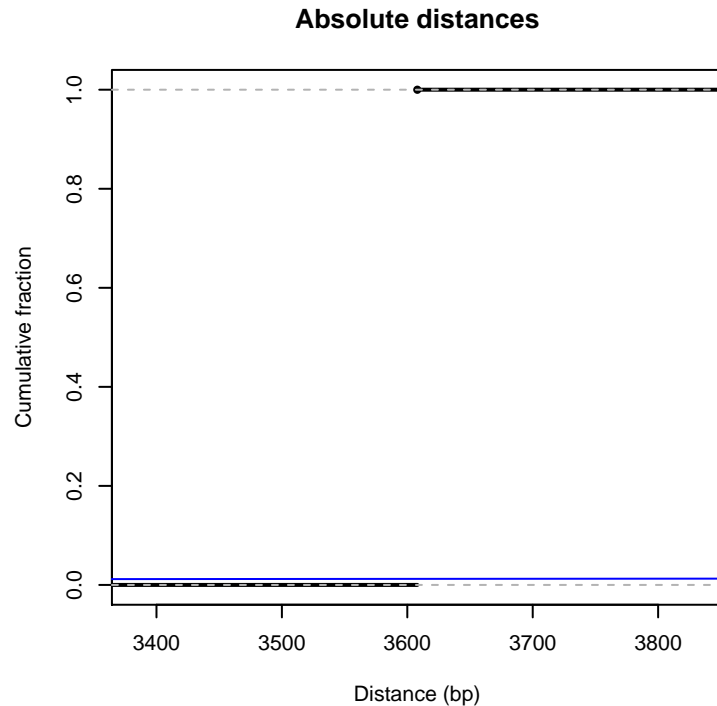
pcontig_157

Query population : 2
Reference population : 10
Relative Ks p-value : 0.684283
Relative ecdf deviation area : 0.0984003
Relative ecdf area correlation : -0.37783
Relative ecdf deviation area p-value : 0.57
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00783239
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



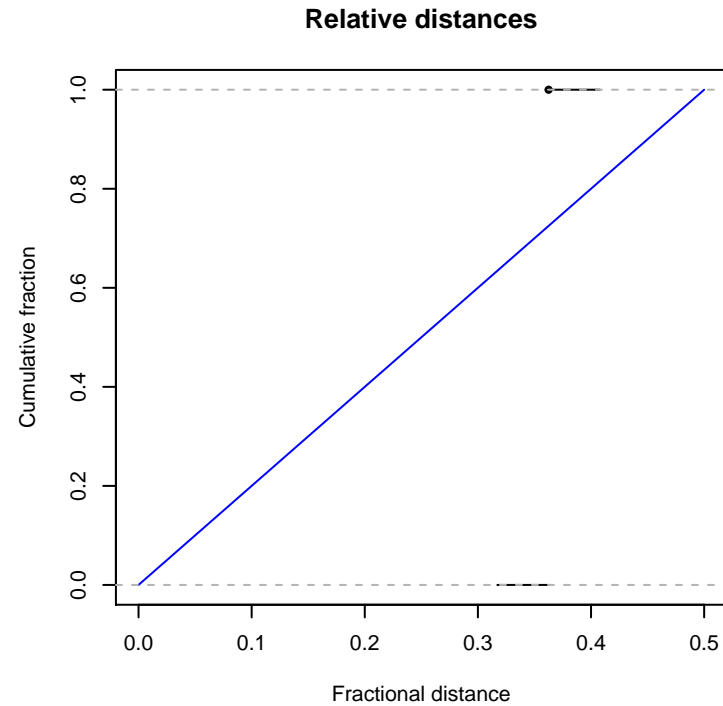
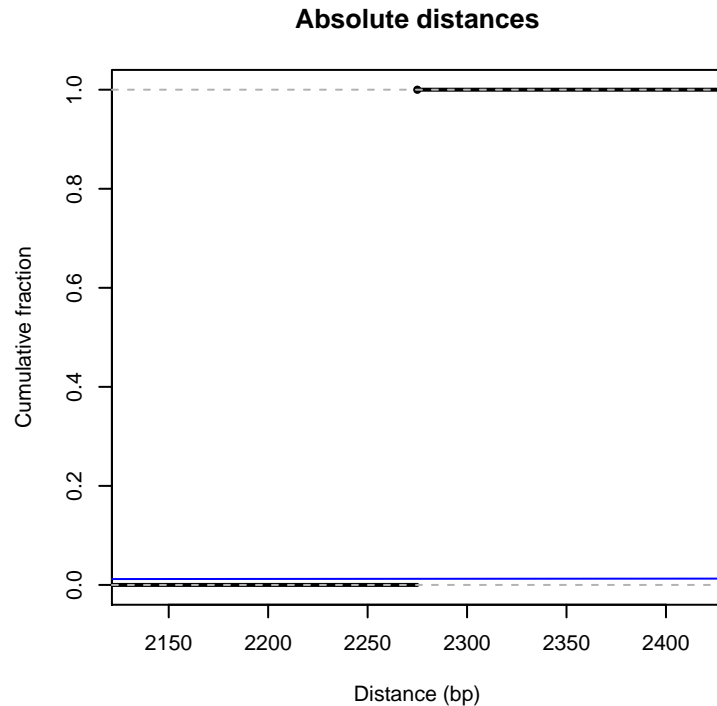
pcontig_166

Query population : 1
Reference population : 8
Relative Ks p-value : 0.00477282
Relative ecdf deviation area : 0.24927
Relative ecdf area correlation : 0.995227
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.02
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00523992
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



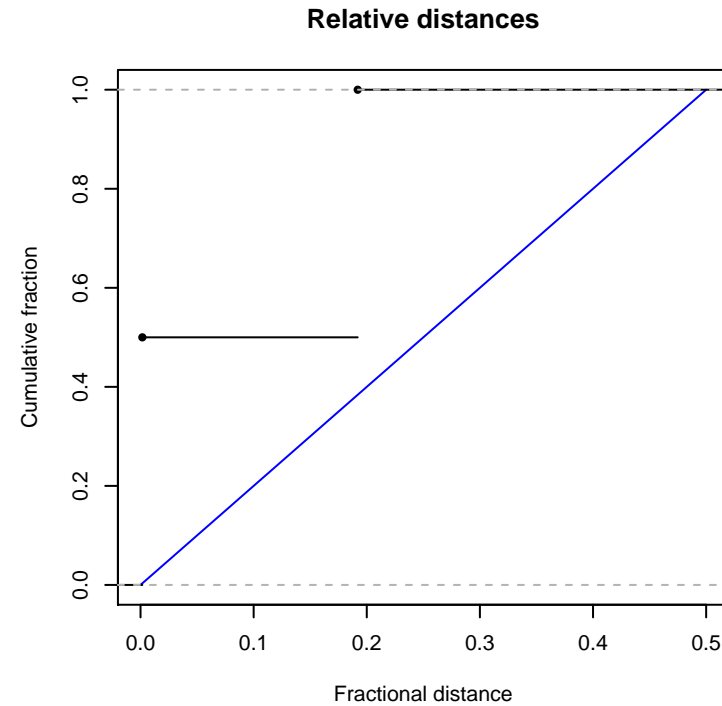
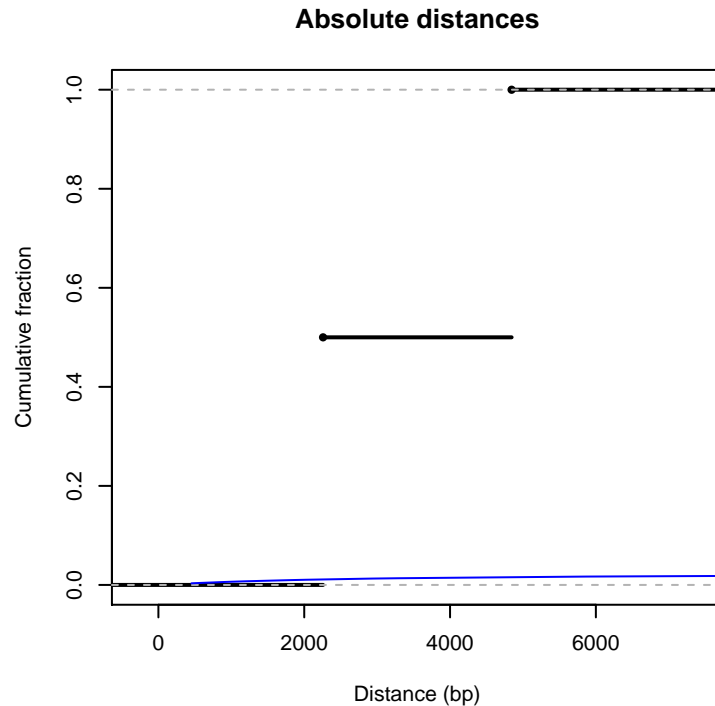
pcontig_174

Query population : 1
Reference population : 11
Relative Ks p-value : 0.550032
Relative ecdf deviation area : 0.150641
Relative ecdf area correlation : -0.449968
Relative ecdf deviation area p-value : 0.53
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00651871
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



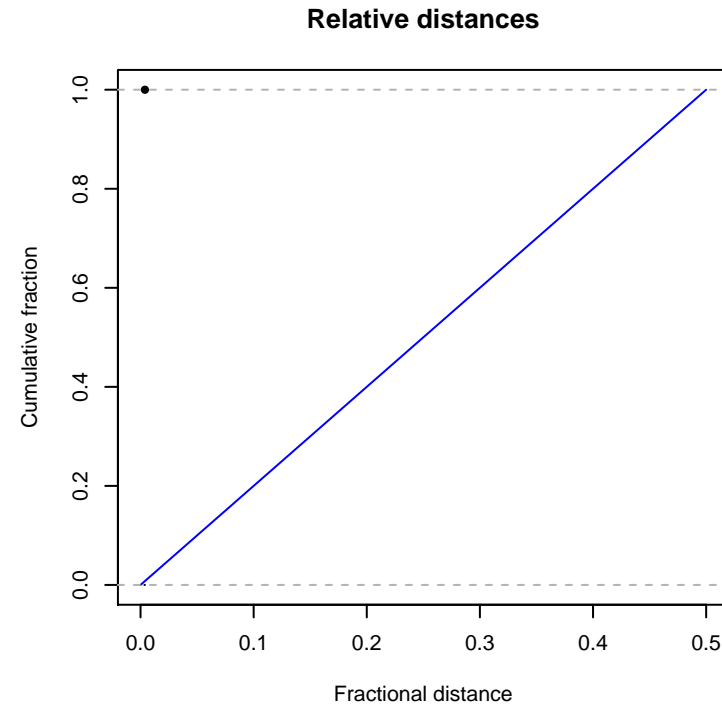
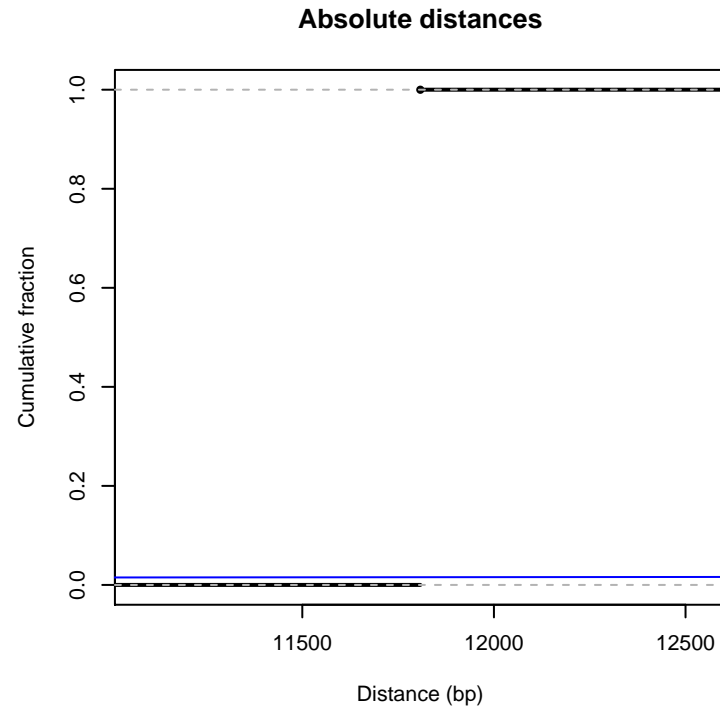
pcontig_179

Query population : 2
Reference population : 11
Relative Ks p-value : 0.294813
Relative ecdf deviation area : 0.152843
Relative ecdf area correlation : 0.612859
Relative ecdf deviation area p-value : 0.09
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00859144
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



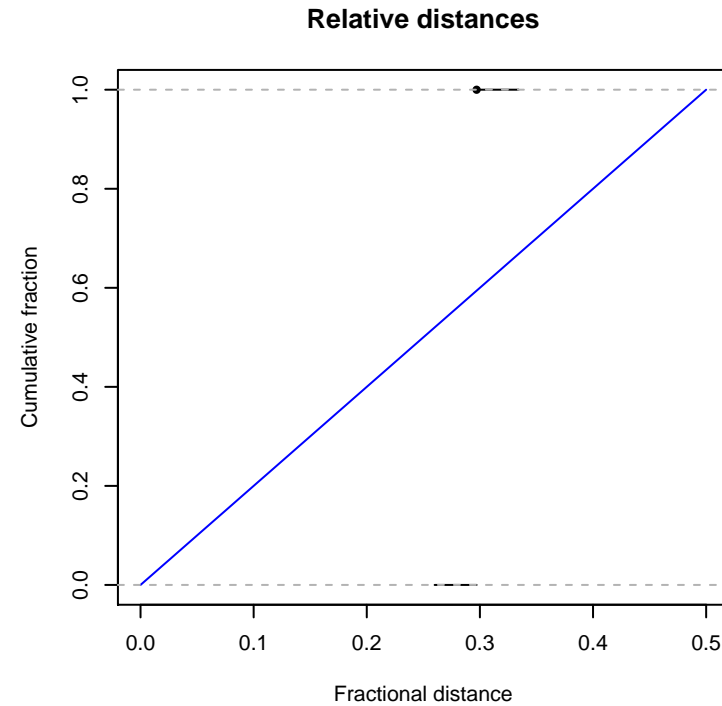
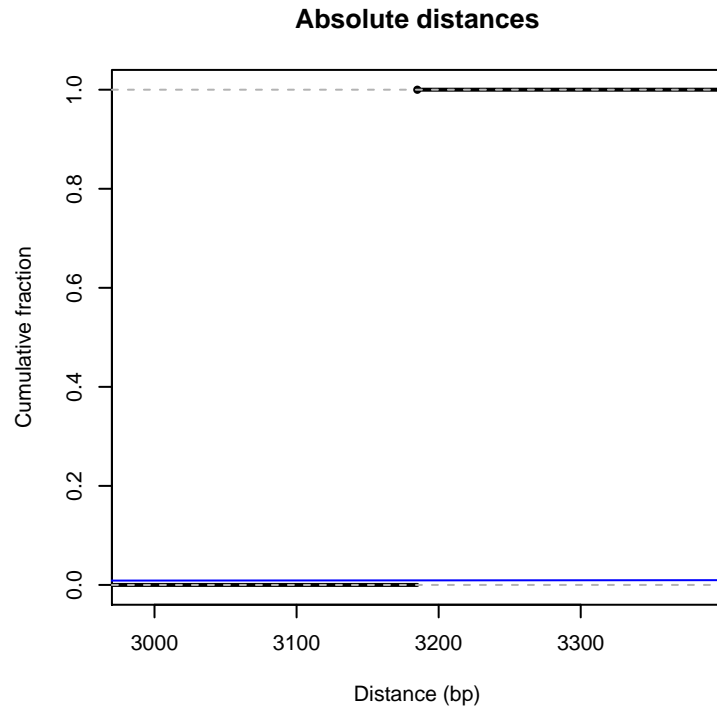
pcontig_181

Query population : 1
Reference population : 4
Relative Ks p-value : 0.0155466
Relative ecdf deviation area : 0.246924
Relative ecdf area correlation : 0.984453
Relative ecdf deviation area p-value : 0.02
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00194137
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



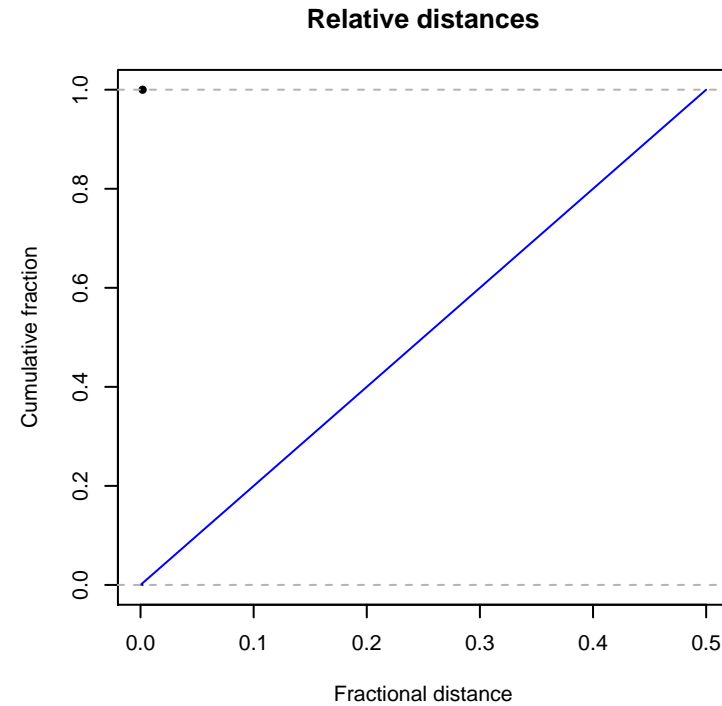
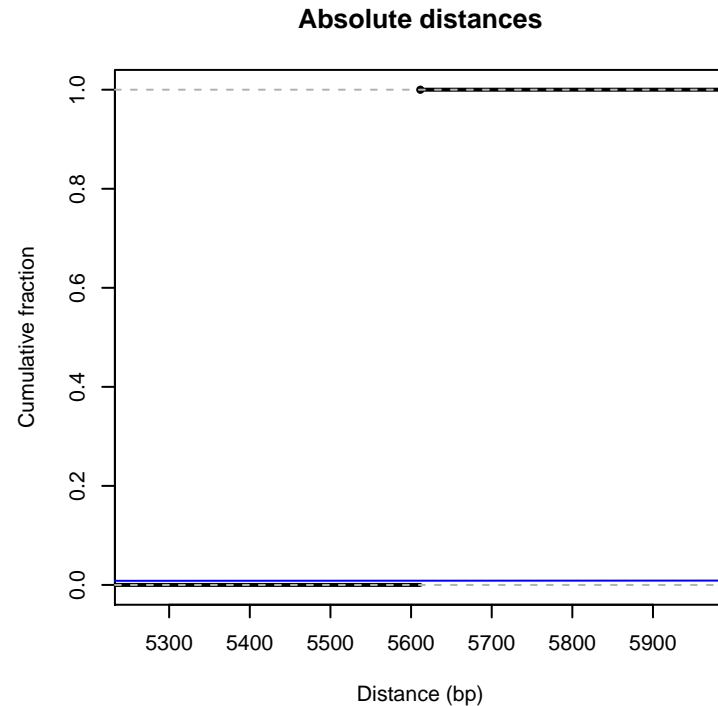
pcontig_186

Query population : 1
Reference population : 6
Relative Ks p-value : 0.811623
Relative ecdf deviation area : 0.129391
Relative ecdf area correlation : -0.188377
Relative ecdf deviation area p-value : 0.84
Scaled Absolute min. distance p-value : 0.02
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00432687
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



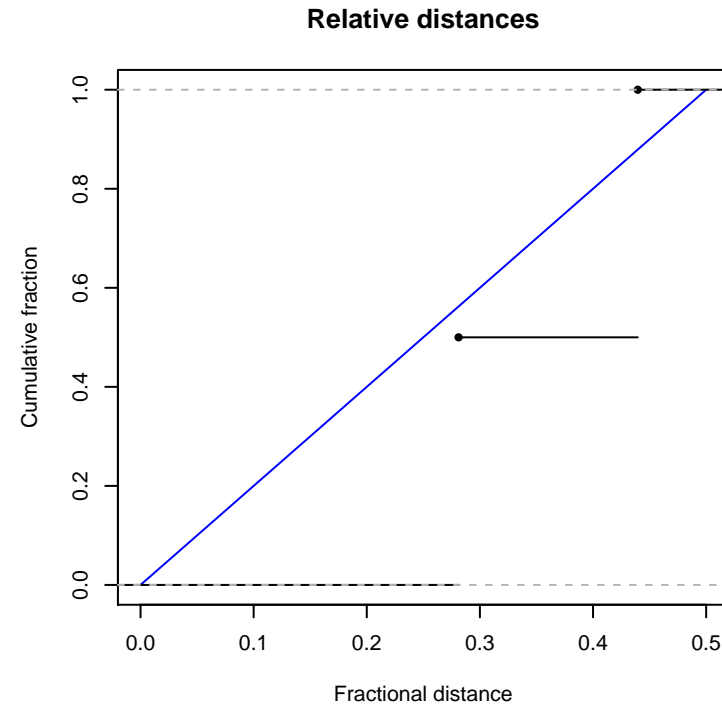
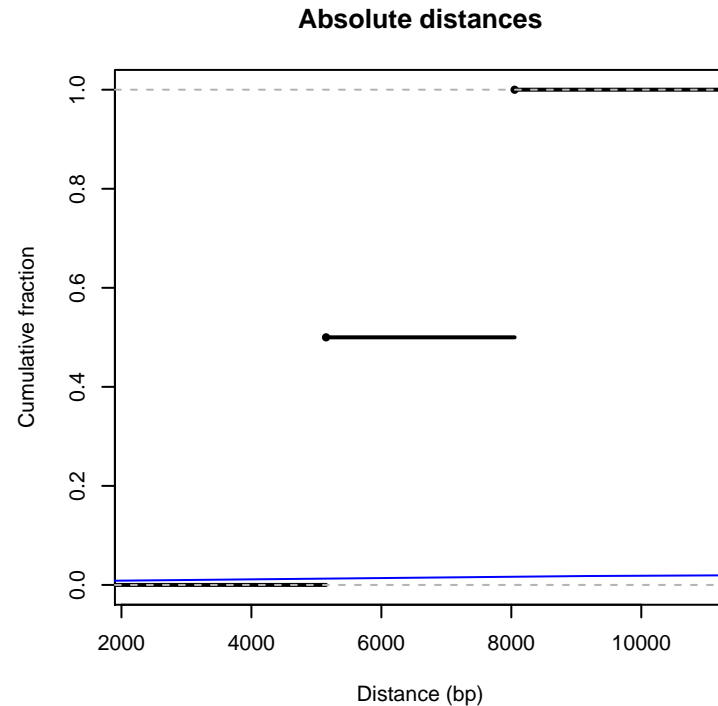
pcontig_187

Query population : 1
Reference population : 4
Relative Ks p-value : 0.00736605
Relative ecdf deviation area : 0.248621
Relative ecdf area correlation : 0.992634
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000965952
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



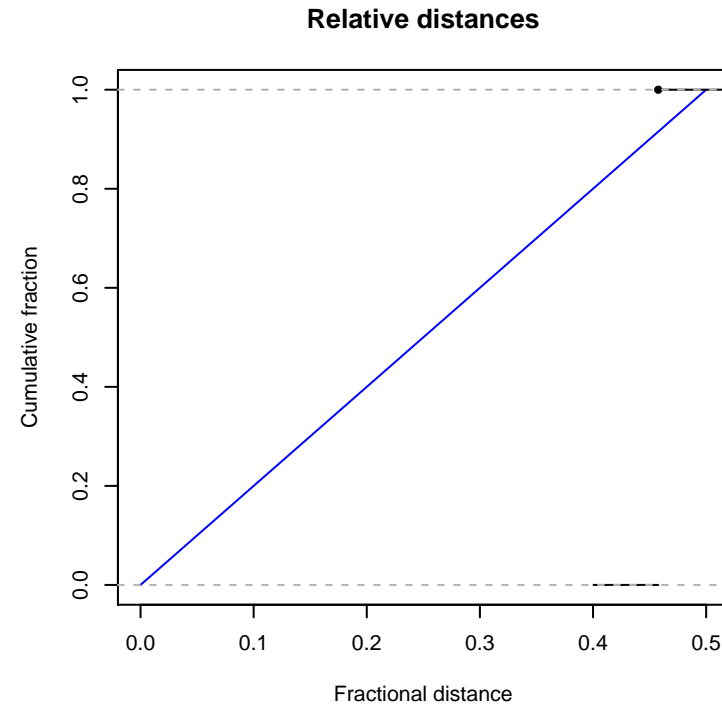
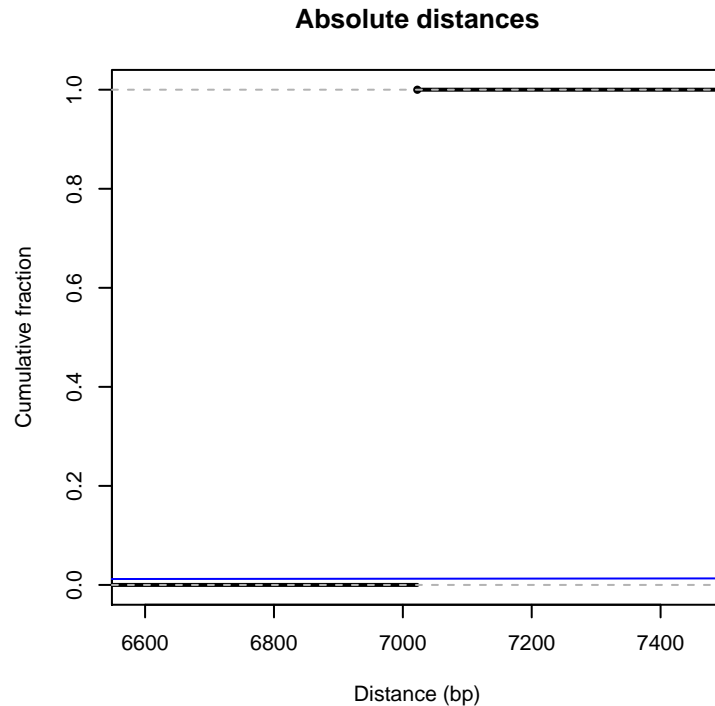
pcontig_188

Query population : 2
Reference population : 10
Relative Ks p-value : 0.38324
Relative ecdf deviation area : 0.117445
Relative ecdf area correlation : -0.441347
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 : 0.05
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0100112
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



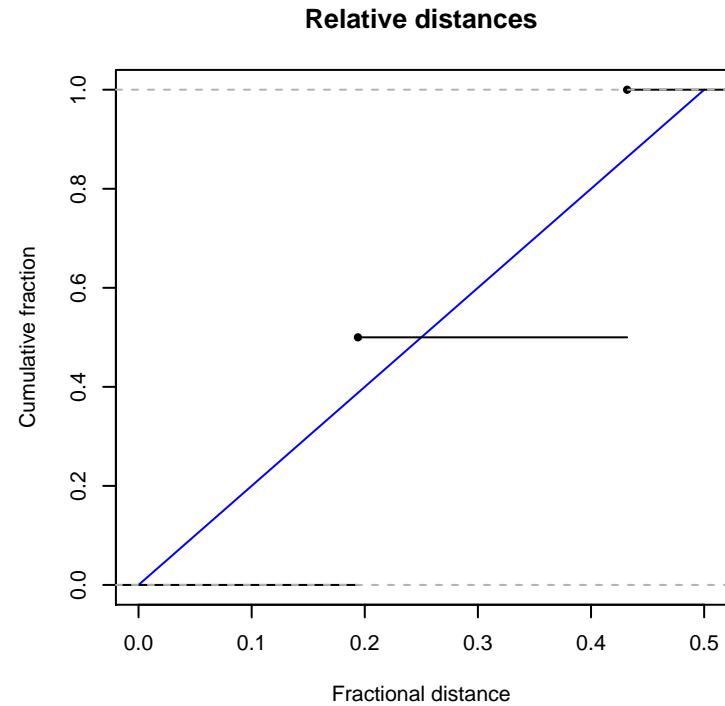
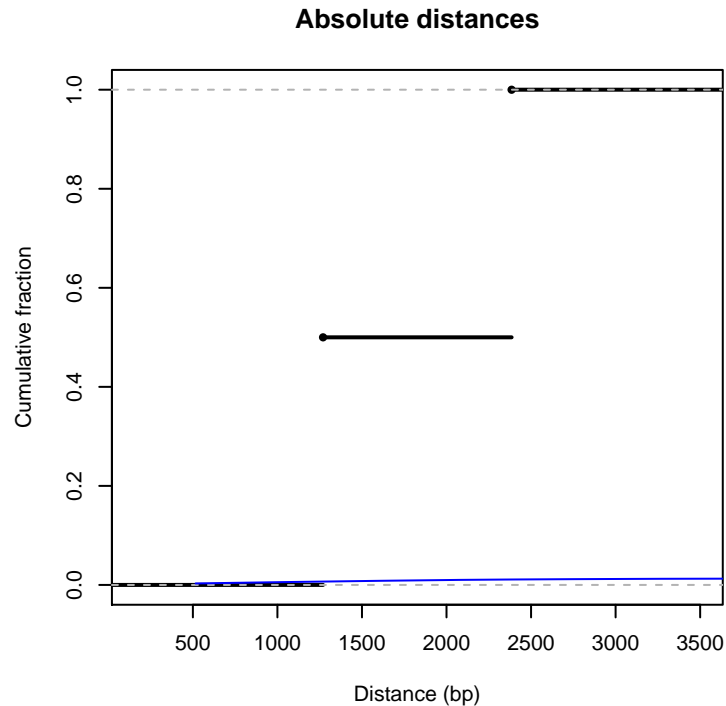
pcontig_189

Query population : 1
Reference population : 6
Relative Ks p-value : 0.169377
Relative ecdf deviation area : 0.211598
Relative ecdf area correlation : -0.830623
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 : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.002586
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



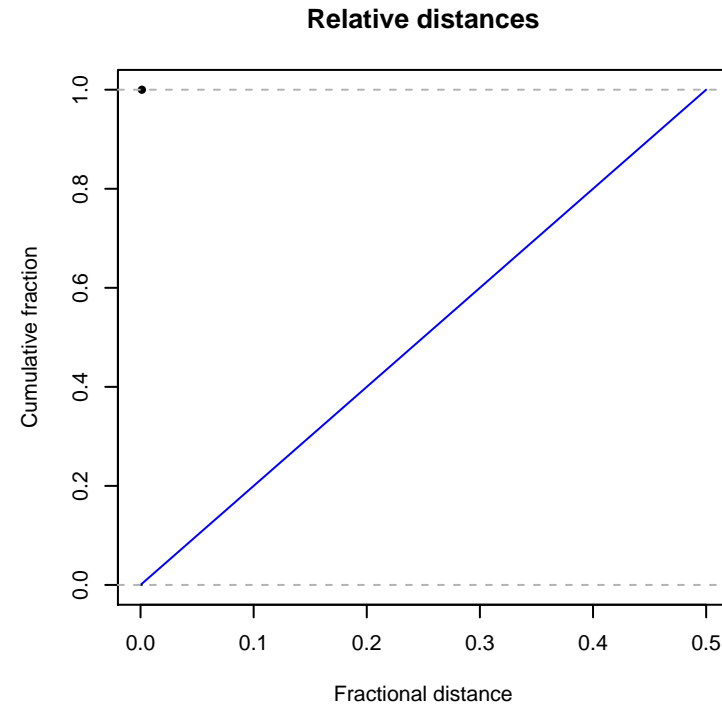
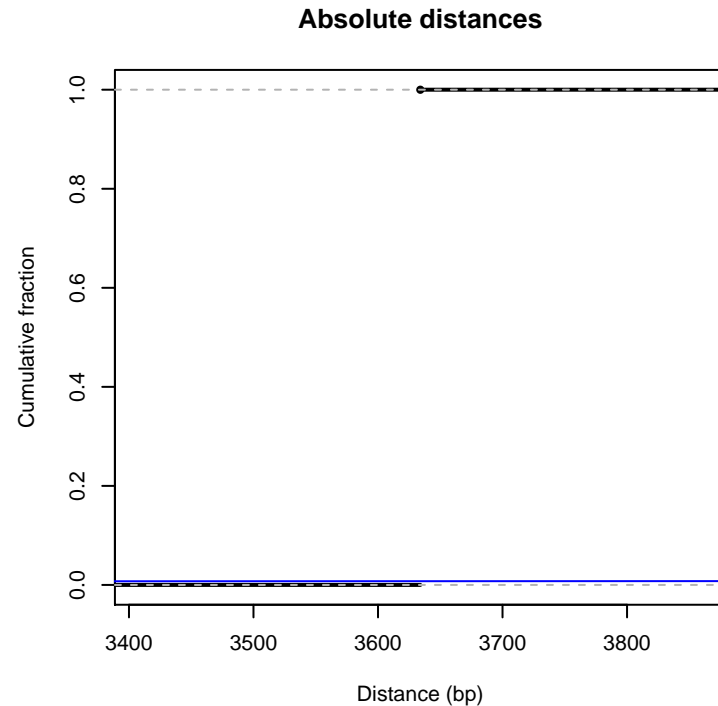
pcontig_203

Query population : 2
Reference population : 9
Relative Ks p-value : 0.847858
Relative ecdf deviation area : 0.078241
Relative ecdf area correlation : -0.251722
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 : 0.00925333
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



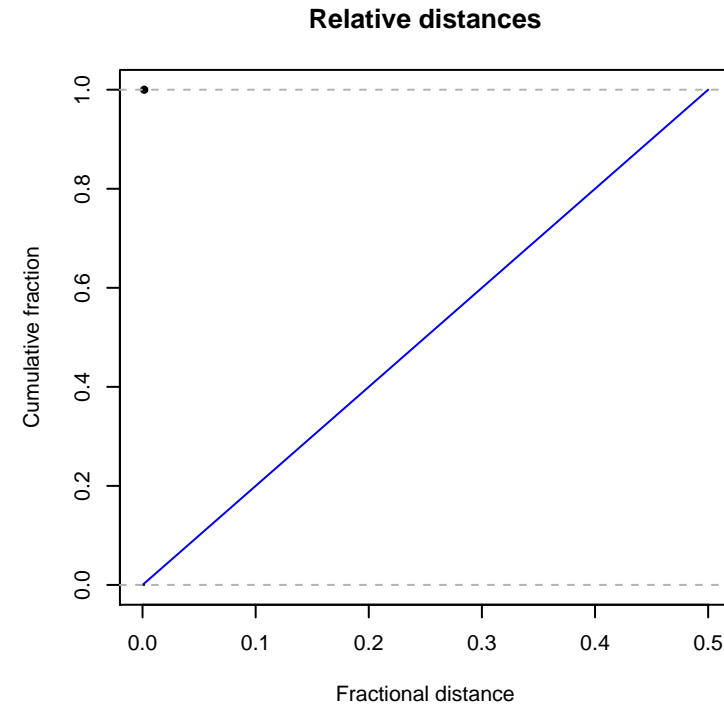
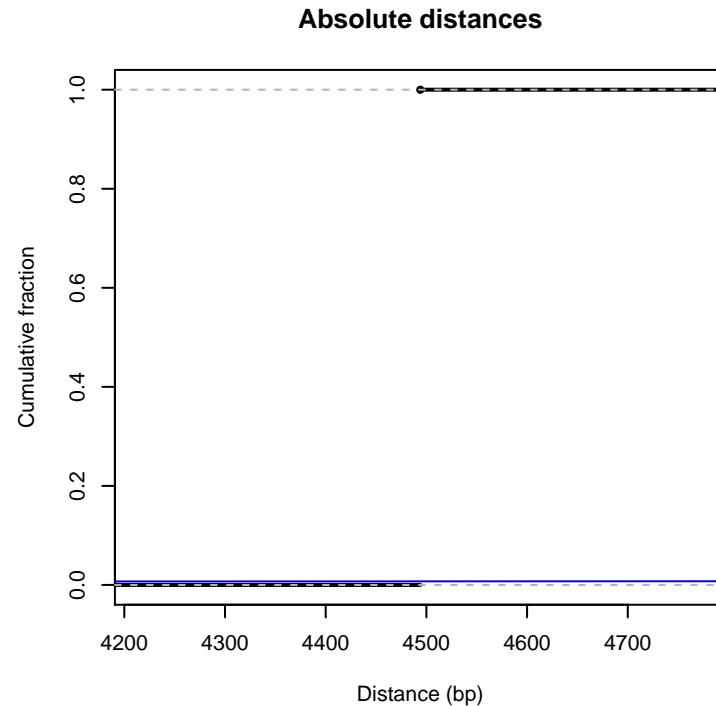
pcontig_218

Query population : 1
Reference population : 4
Relative Ks p-value : 0.00477151
Relative ecdf deviation area : 0.24927
Relative ecdf area correlation : 0.995228
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.000892151
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_233

Query population : 1
Reference population : 4
Relative Ks p-value : 0.00589566
Relative ecdf deviation area : 0.24927
Relative ecdf area correlation : 0.994104
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00252852
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



All Chromosomes

Query population : 1444
Reference population : 12635
Relative Ks p-value : 0
Relative ecdf deviation area : 0.0735958
Relative ecdf area correlation : -0.294506
Relative ecdf deviation area p-value : <0.01
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 : 1.98902e-36
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

