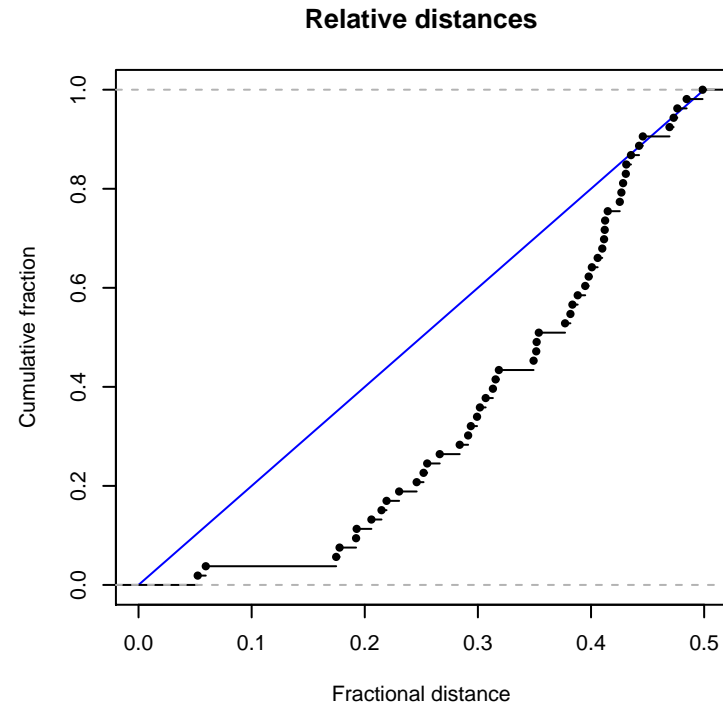
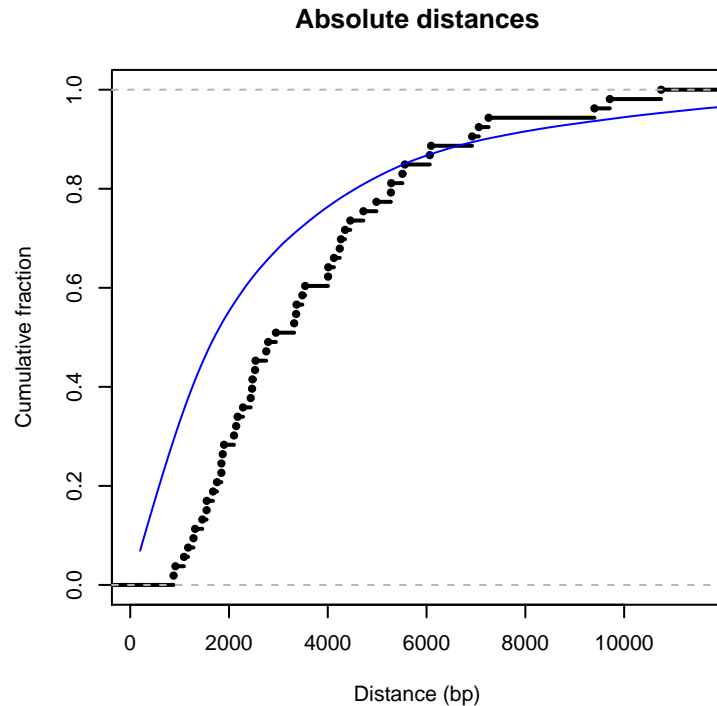


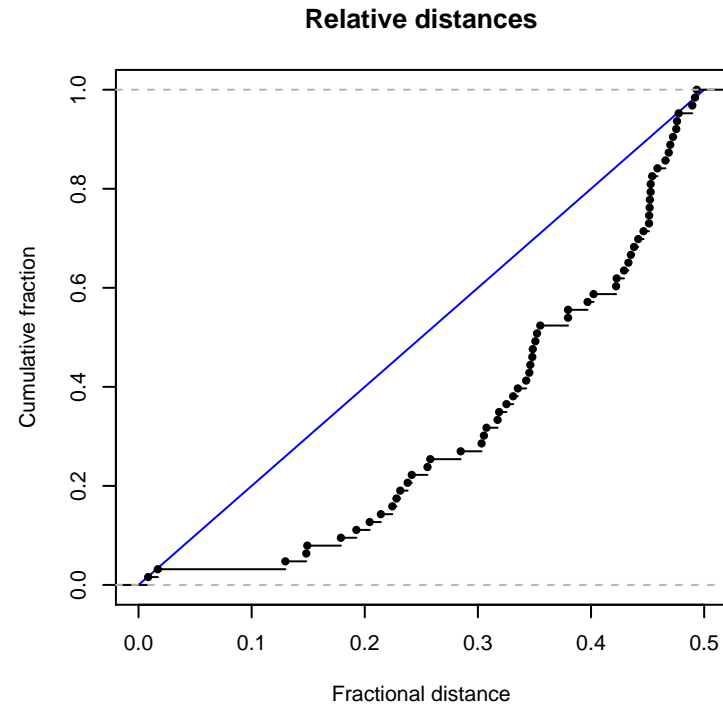
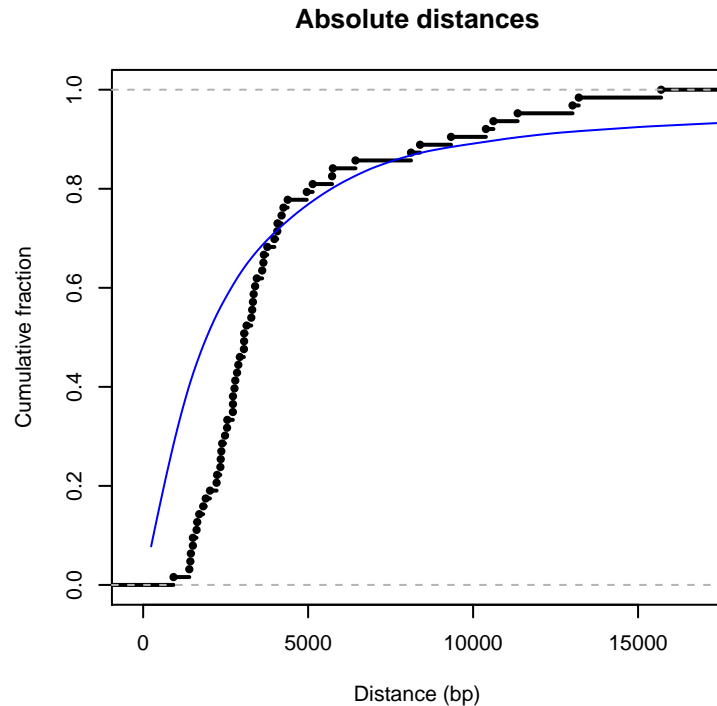
pcontig_000

Query population : 53
Reference population : 530
Relative Ks p-value : 4.49992e-05
Relative ecdf deviation area : 0.0881983
Relative ecdf area correlation : -0.353103
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.17
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 2.42319e-07
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



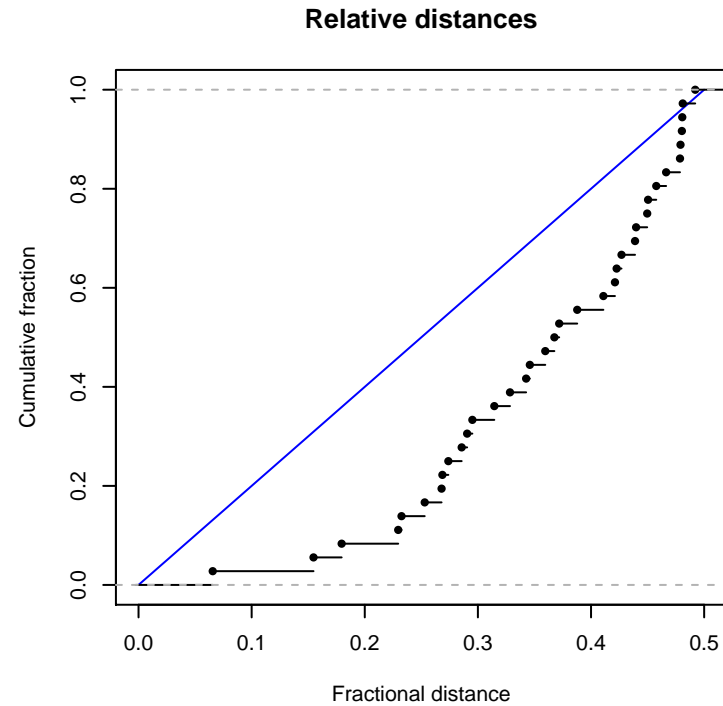
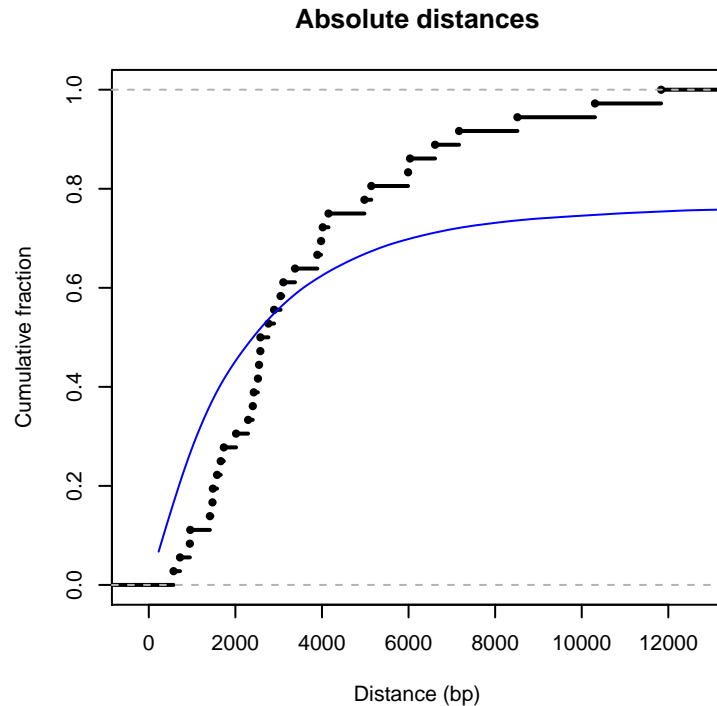
pcontig_001

Query population : 63
Reference population : 495
Relative Ks p-value : $7.16461\text{e-}07$
Relative ecdf deviation area : 0.0990594
Relative ecdf area correlation : -0.39491
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.14
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : $7.75092\text{e-}08$
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



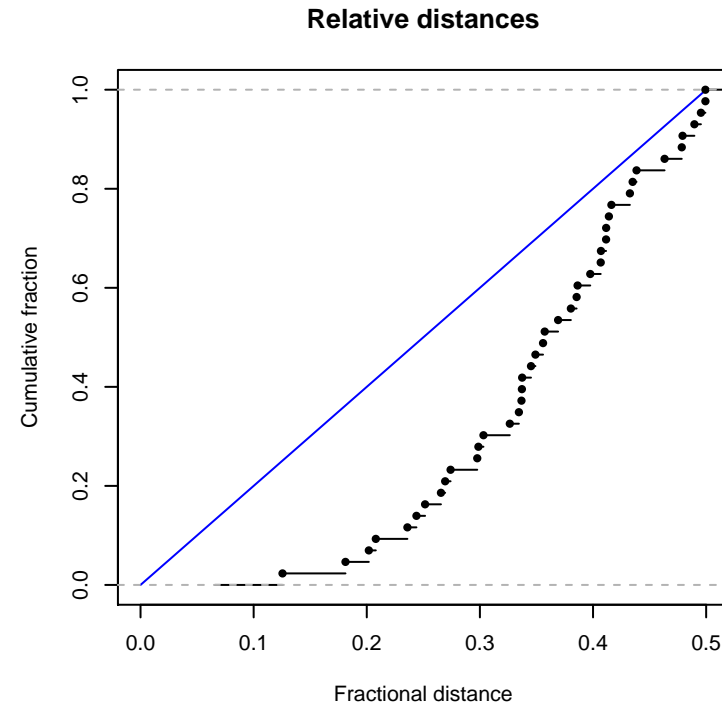
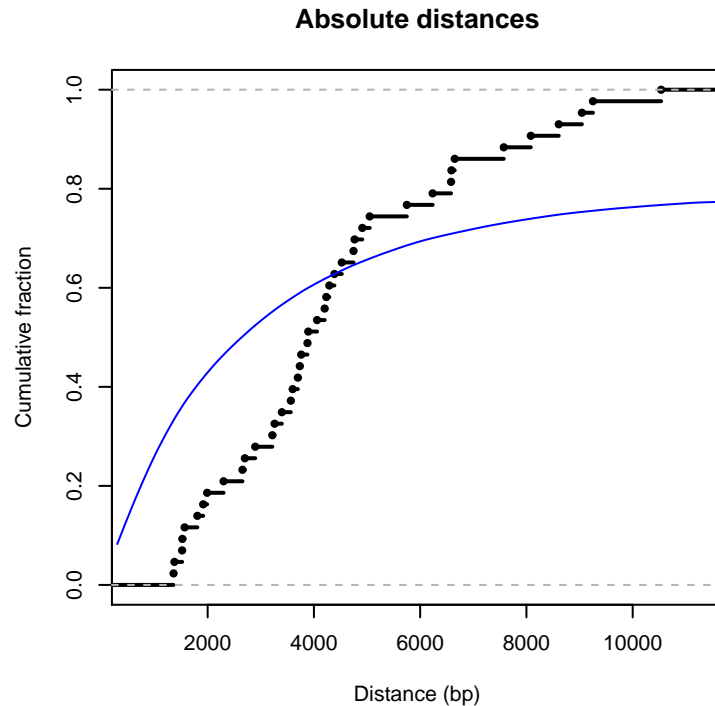
pcontig_002

Query population : 36
Reference population : 453
Relative Ks p-value : 4.48774e-05
Relative ecdf deviation area : 0.10838
Relative ecdf area correlation : -0.432353
Relative ecdf deviation 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 : 0.000106529
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



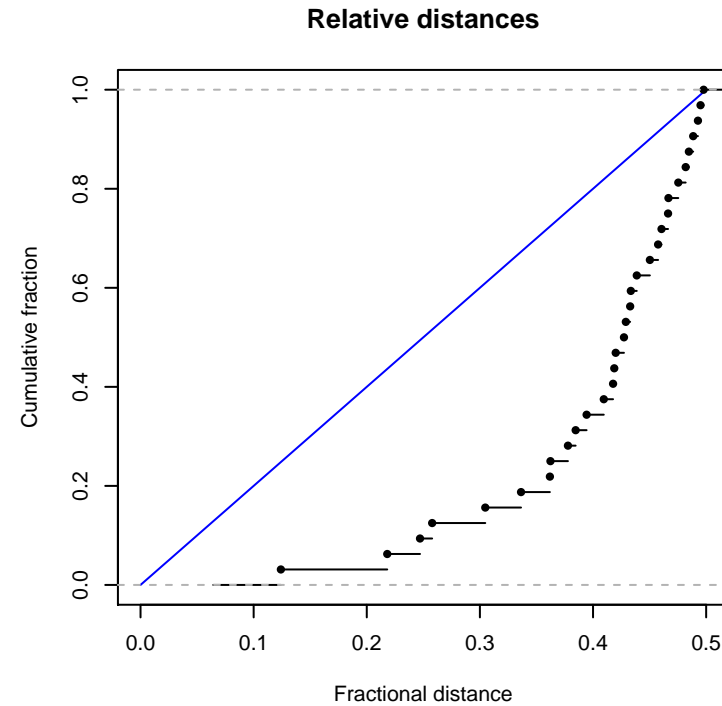
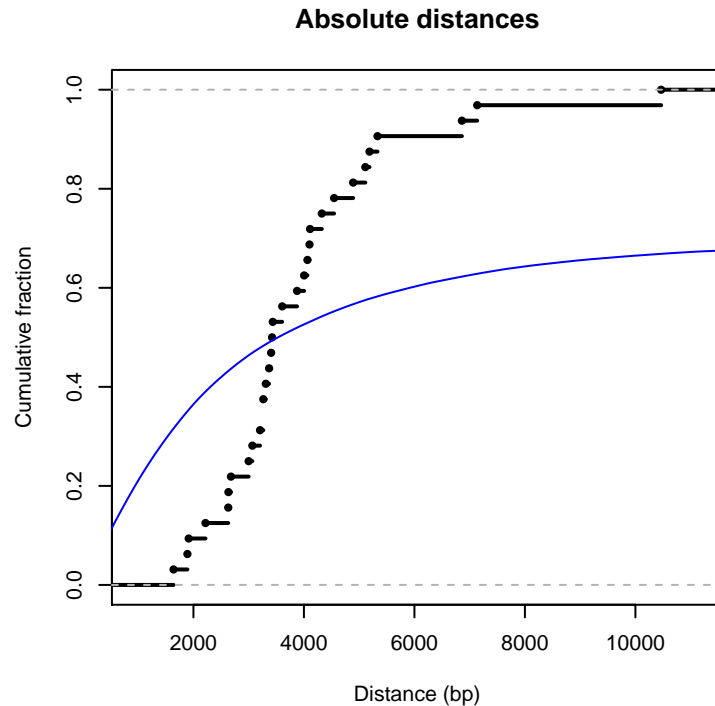
pcontig_003

Query population : 43
Reference population : 423
Relative Ks p-value : 4.68992e-06
Relative ecdf deviation area : 0.106711
Relative ecdf area correlation : -0.426282
Relative ecdf deviation 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 : 0.00014812
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



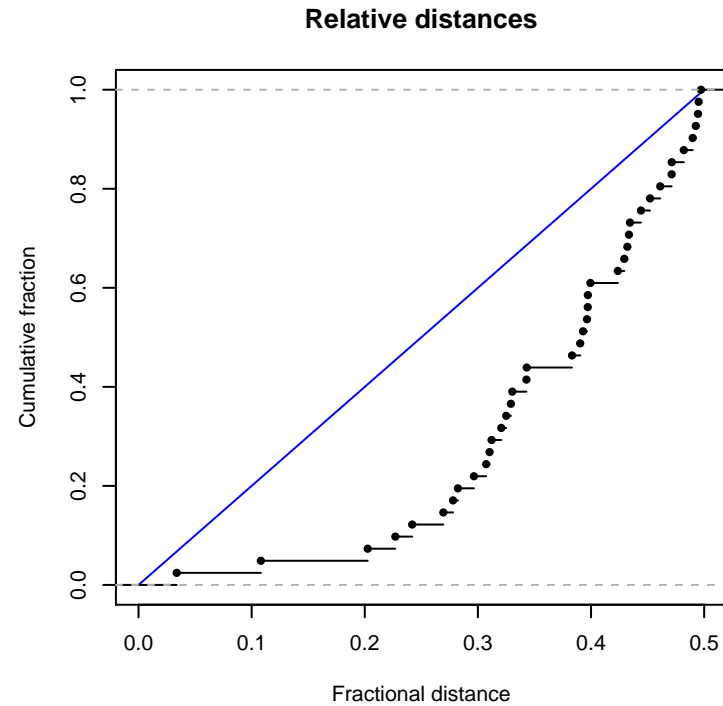
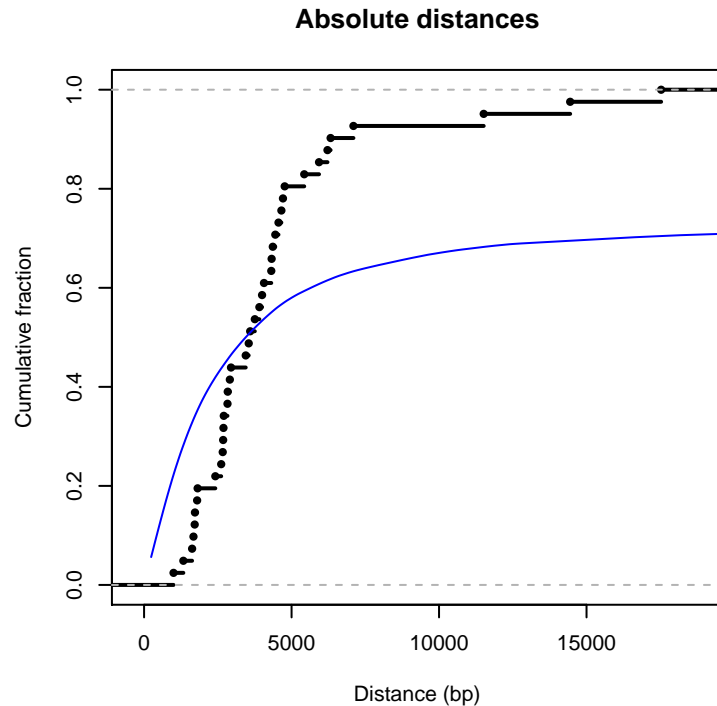
pcontig_004

Query population : 32
Reference population : 339
Relative Ks p-value : 3.95114e-09
Relative ecdf deviation area : 0.154104
Relative ecdf area correlation : -0.614238
Relative ecdf deviation 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 : 0.00200357
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



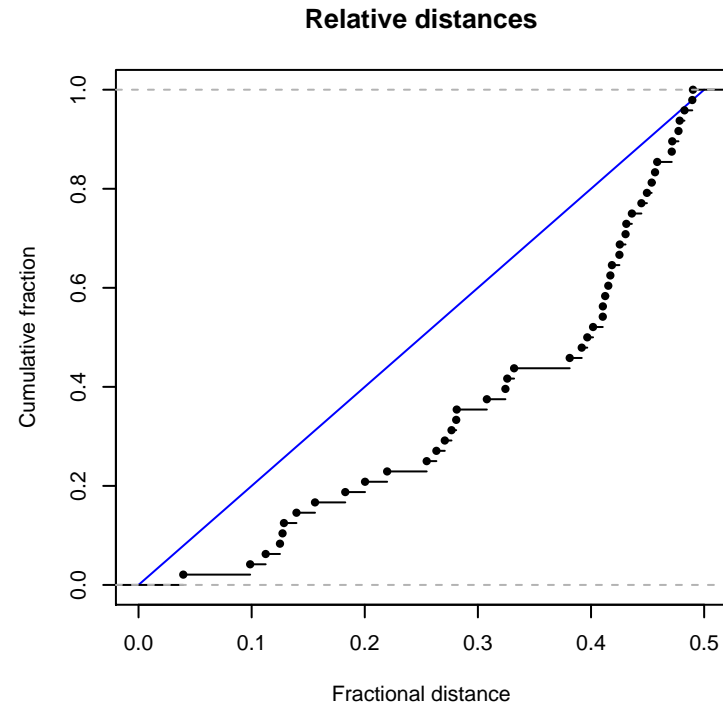
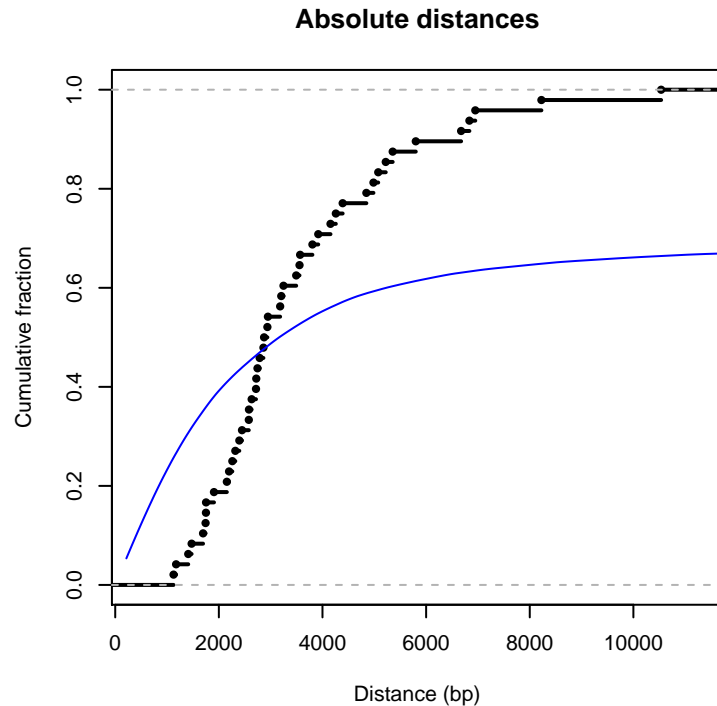
pcontig_005

Query population : 41
Reference population : 359
Relative Ks p-value : 5.68373e-07
Relative ecdf deviation area : 0.116156
Relative ecdf area correlation : -0.465577
Relative ecdf deviation 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 : 0.000198711
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



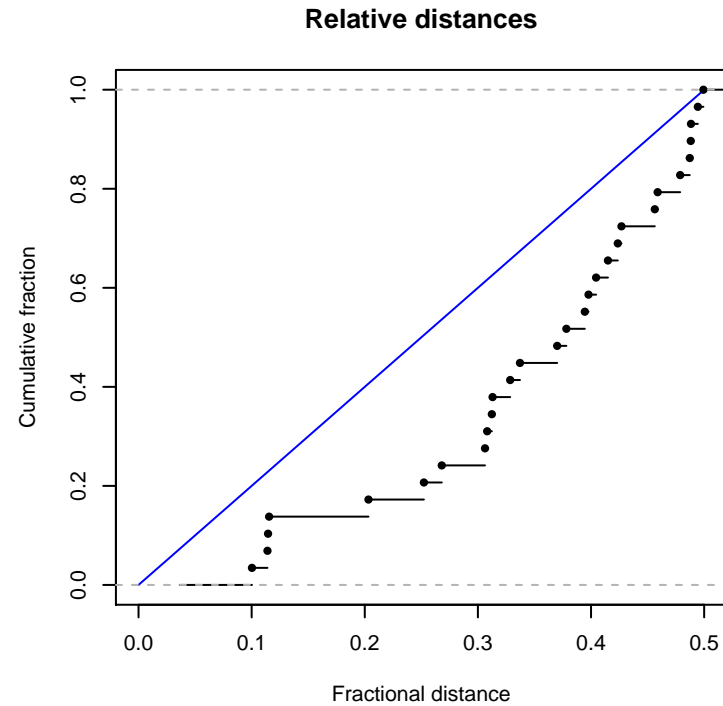
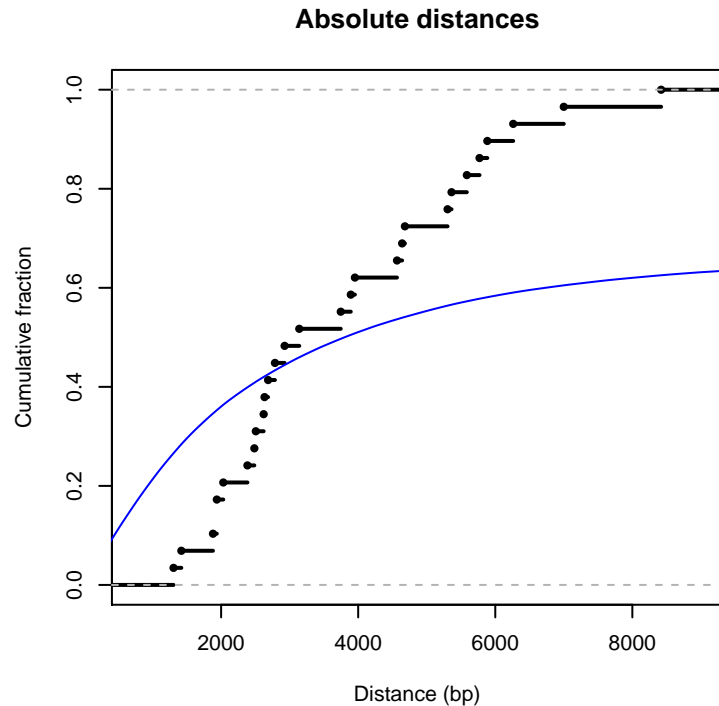
pcontig_006

Query population : 48
Reference population : 382
Relative Ks p-value : 5.06957e-05
Relative ecdf deviation area : 0.0894017
Relative ecdf area correlation : -0.35627
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 5.71612e-05
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



pcontig_007

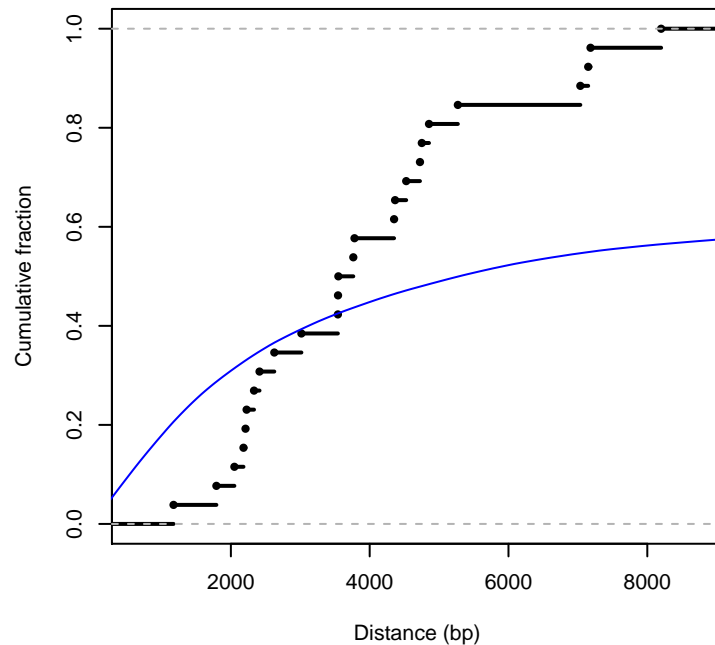
Query population : 29
Reference population : 350
Relative Ks p-value : 0.000429571
Relative ecdf deviation area : 0.0994541
Relative ecdf area correlation : -0.397989
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.00558765
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



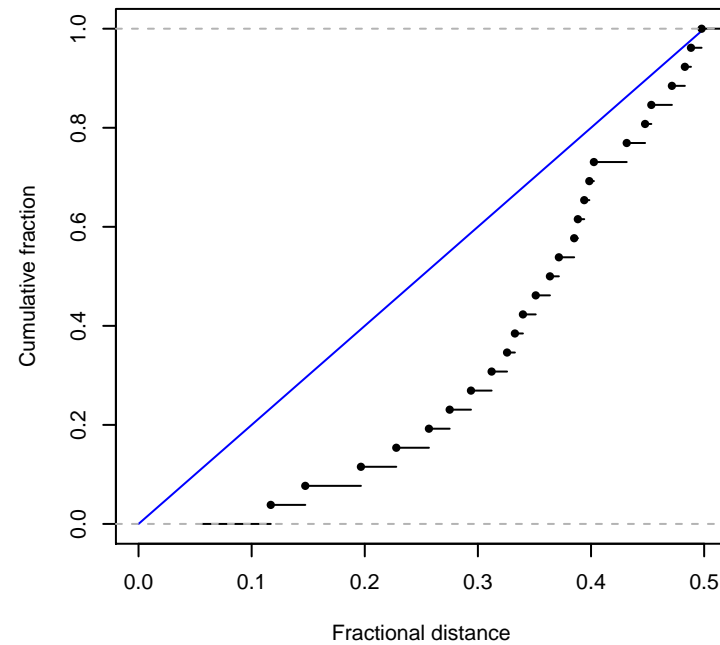
pcontig_008

Query population : 26
Reference population : 285
Relative Ks p-value : 0.00162293
Relative ecdf deviation area : 0.101922
Relative ecdf area correlation : -0.408138
Relative ecdf deviation 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 : 0.0139524
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

Absolute distances

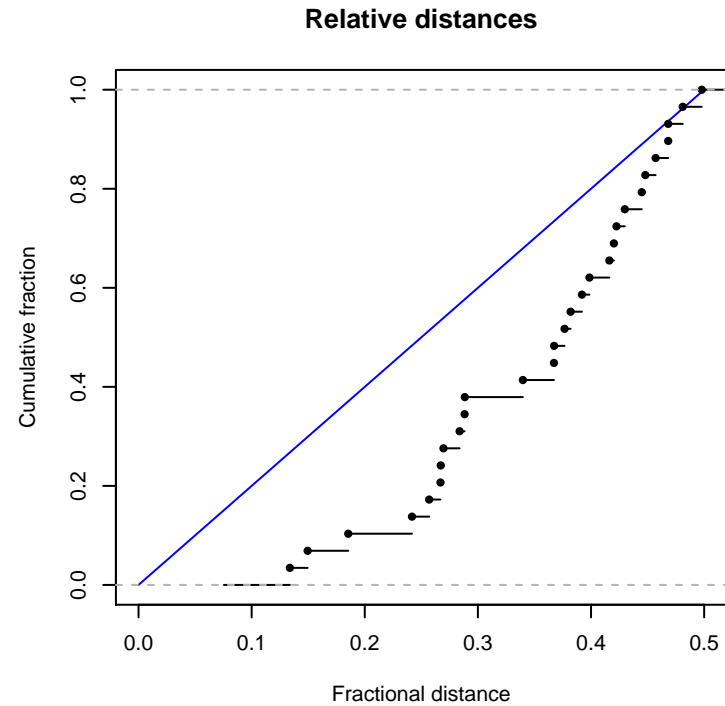
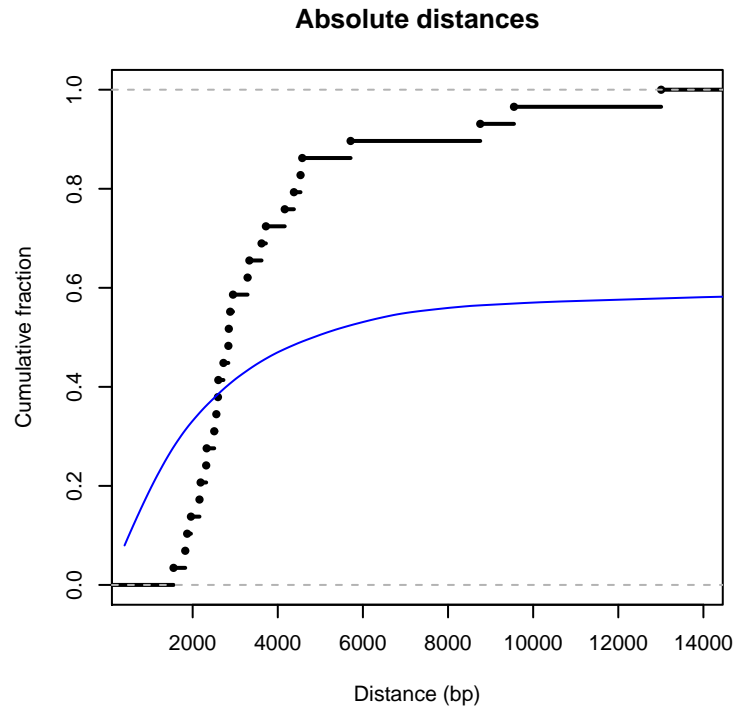


Relative distances



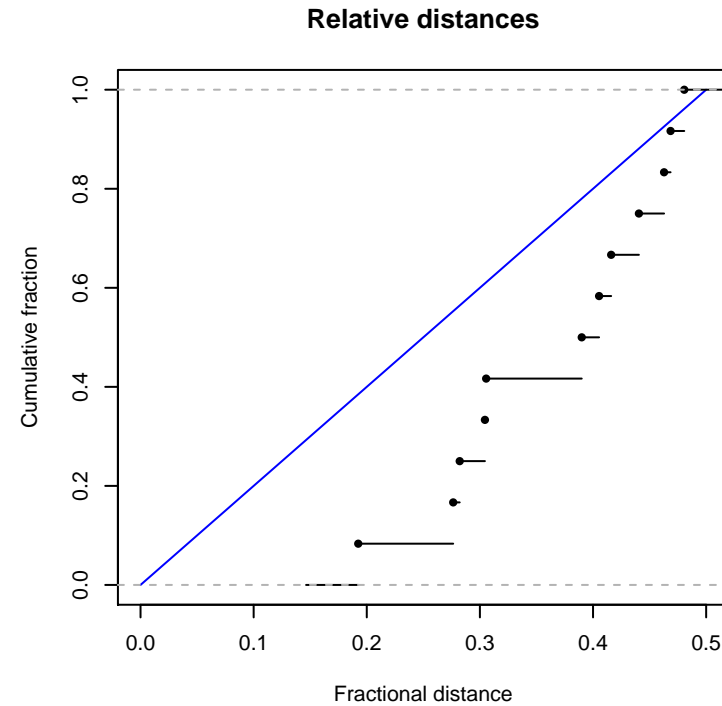
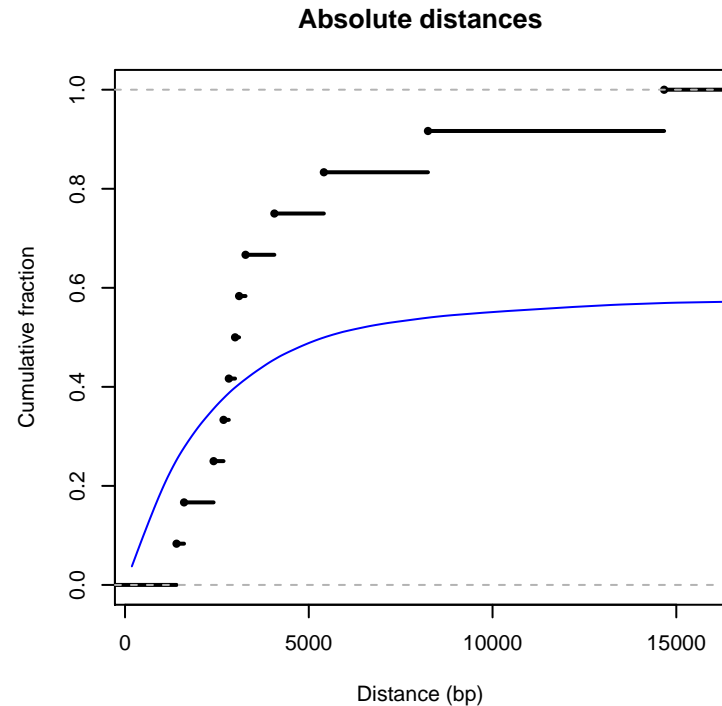
pcontig_009

Query population : 29
Reference population : 306
Relative Ks p-value : 0.000283109
Relative ecdf deviation area : 0.102144
Relative ecdf area correlation : -0.408147
Relative ecdf deviation 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 : 0.00274058
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



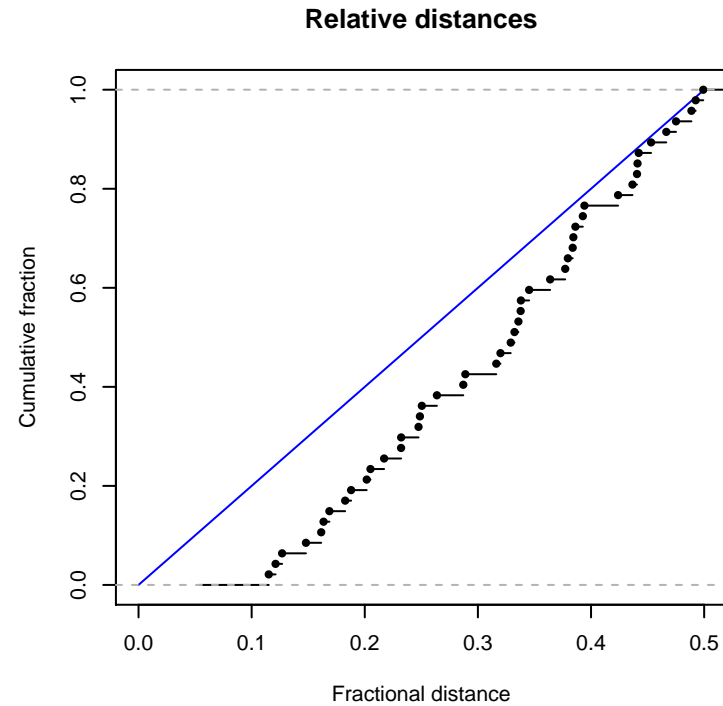
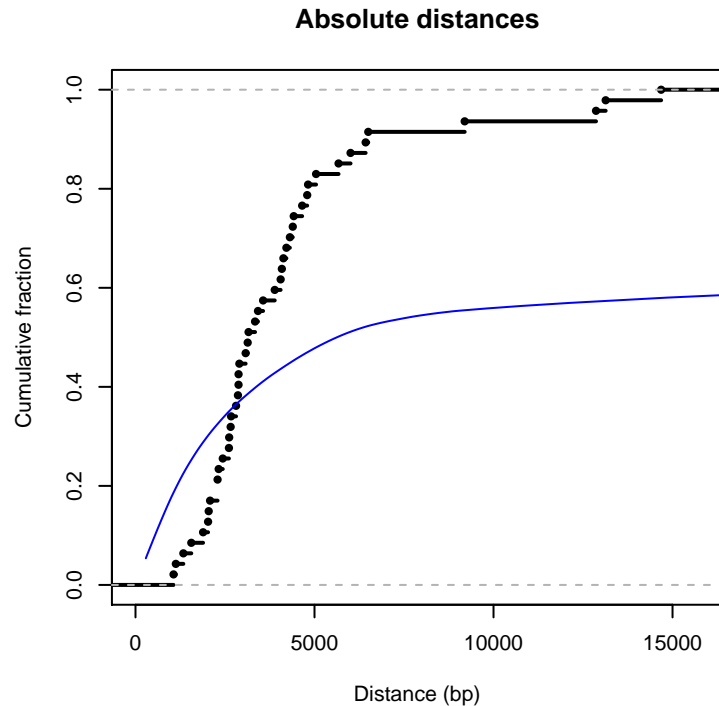
pcontig_010

Query population : 12
Reference population : 309
Relative Ks p-value : 0.00602804
Relative ecdf deviation area : 0.119569
Relative ecdf area correlation : -0.474991
Relative ecdf deviation 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 : 0.176685
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



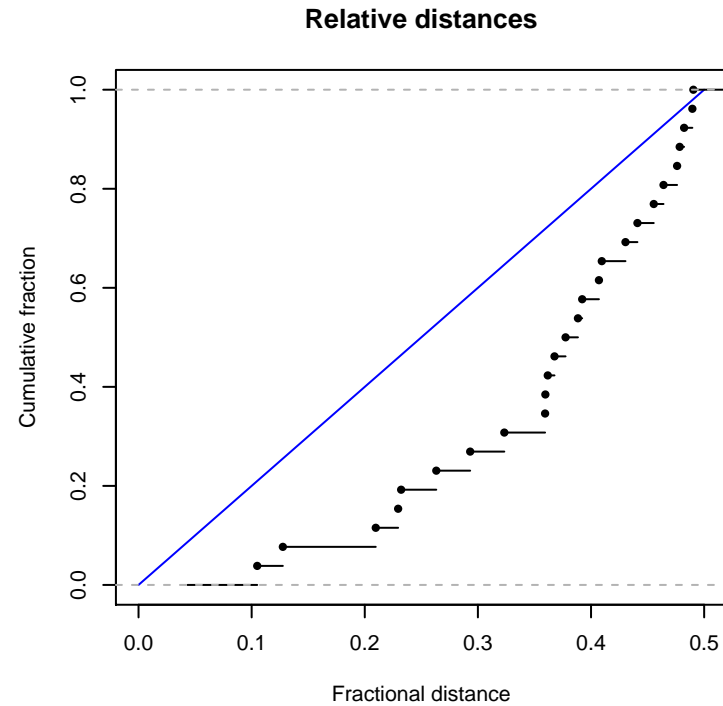
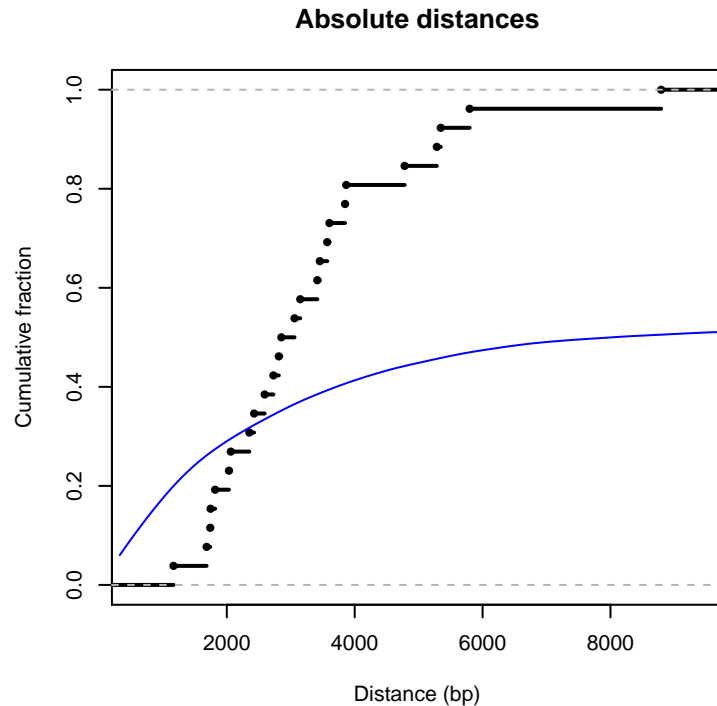
pcontig_011

Query population : 47
Reference population : 285
Relative Ks p-value : 0.00799745
Relative ecdf deviation area : 0.0656811
Relative ecdf area correlation : -0.261801
Relative ecdf deviation 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 : 0.000408144
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



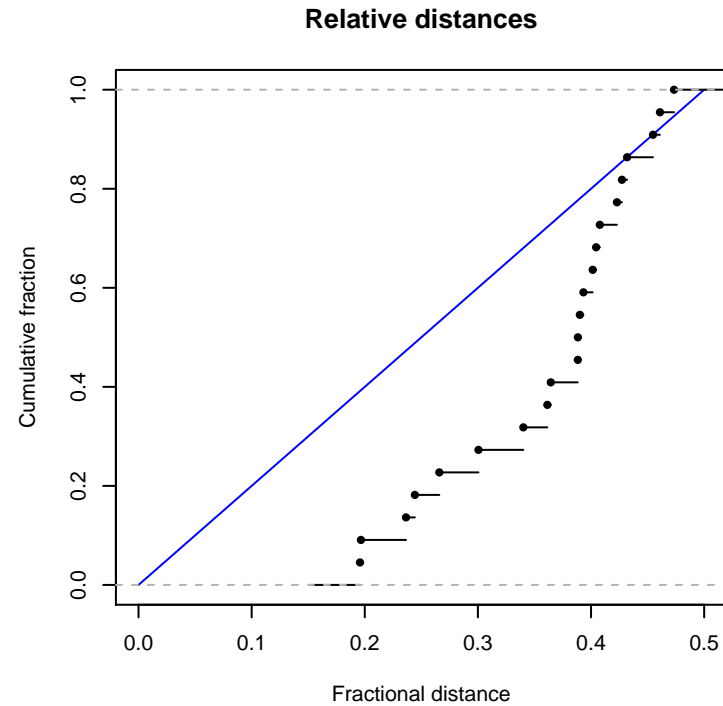
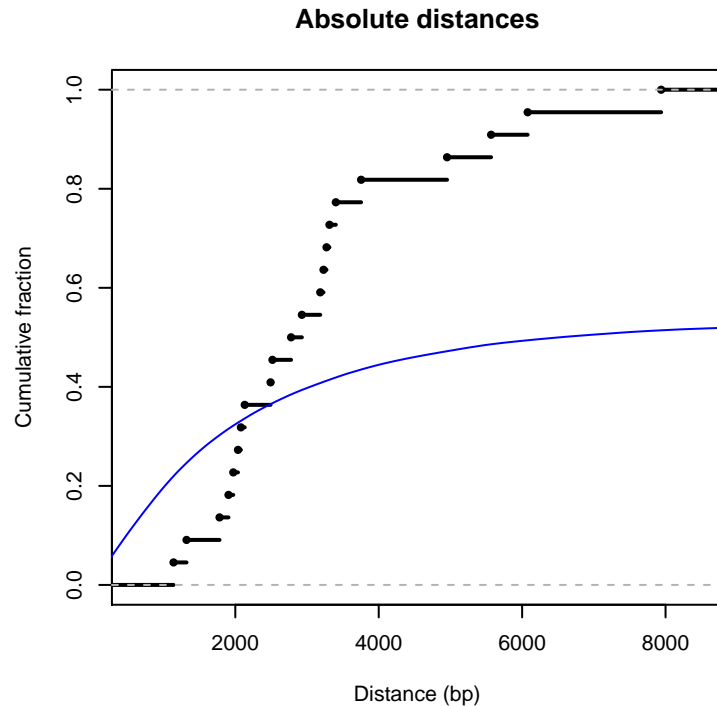
pcontig_012

Query population : 26
Reference population : 283
Relative Ks p-value : 0.00017282
Relative ecdf deviation area : 0.112455
Relative ecdf area correlation : -0.448373
Relative ecdf deviation 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 : 0.025202
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



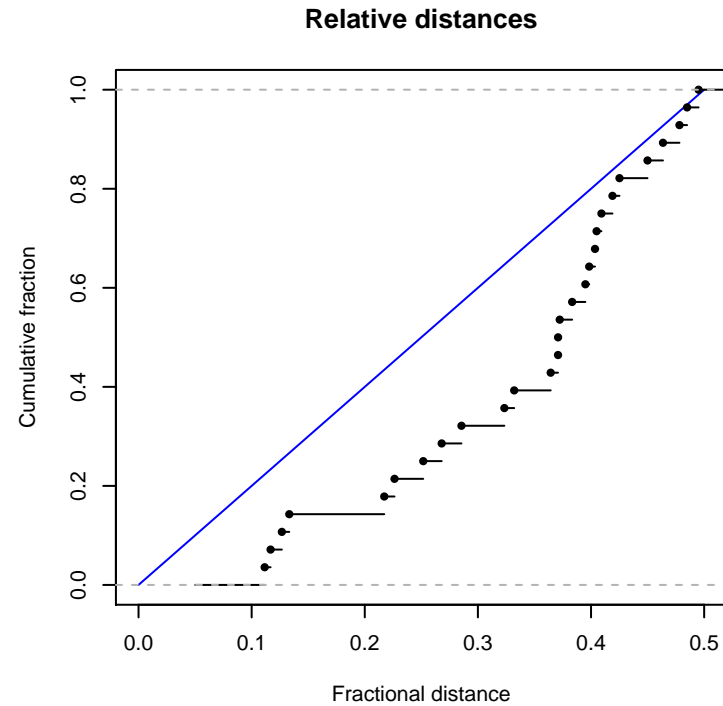
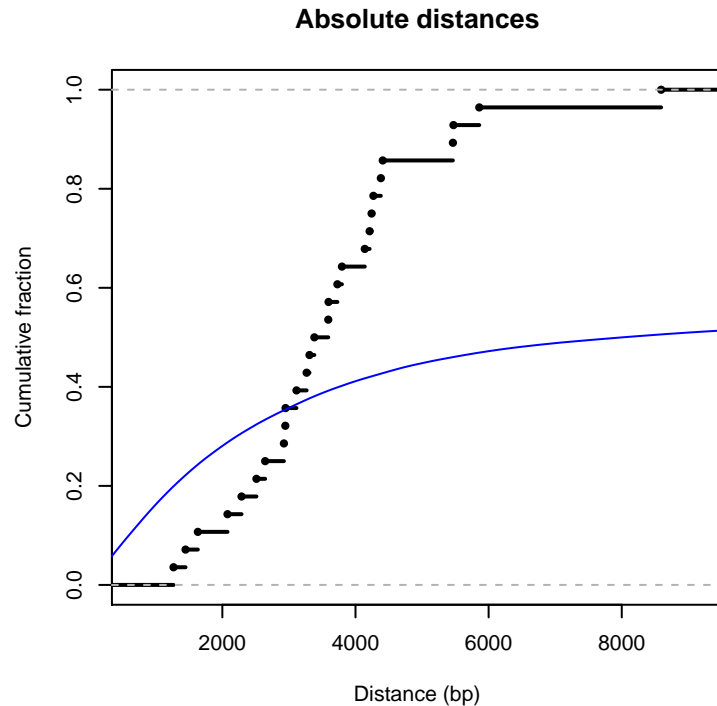
pcontig_013

Query population : 22
Reference population : 322
Relative Ks p-value : 0.000810235
Relative ecdf deviation area : 0.112531
Relative ecdf area correlation : -0.44557
Relative ecdf deviation 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 : 0.0285107
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



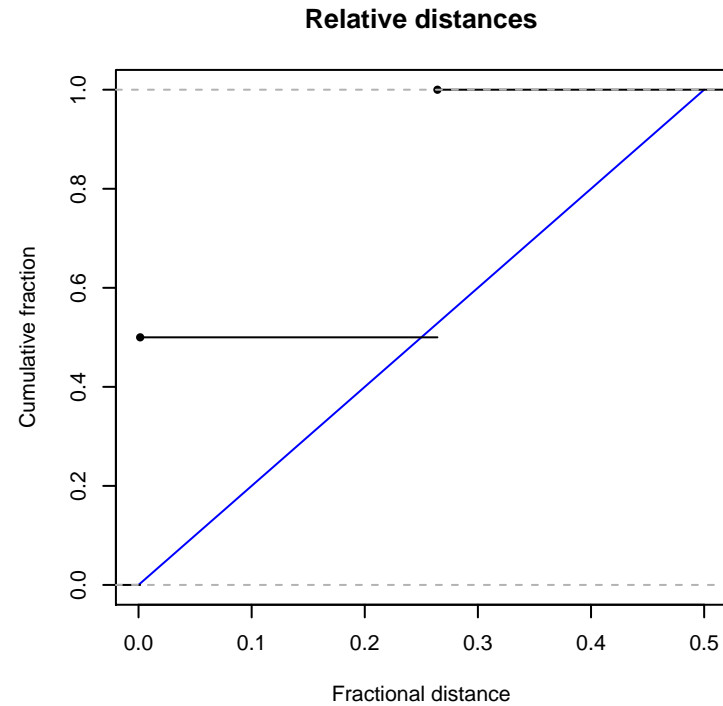
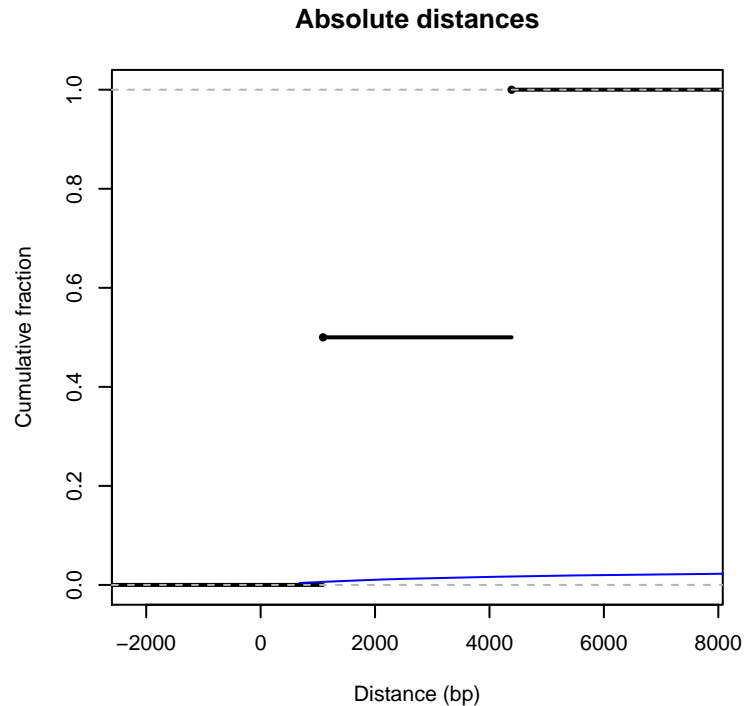
pcontig_014

Query population : 28
Reference population : 261
Relative Ks p-value : 0.00255902
Relative ecdf deviation area : 0.0891744
Relative ecdf area correlation : -0.354413
Relative ecdf deviation 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 : 0.0209605
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



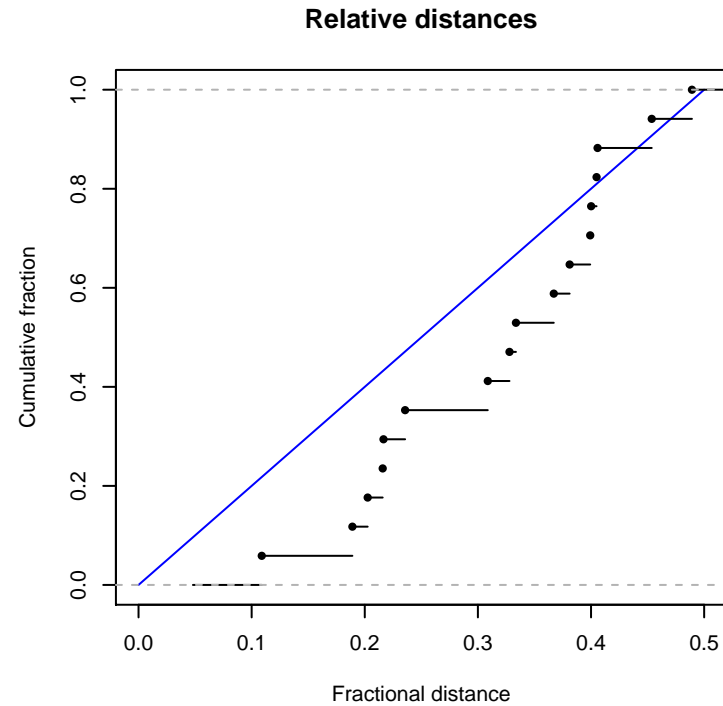
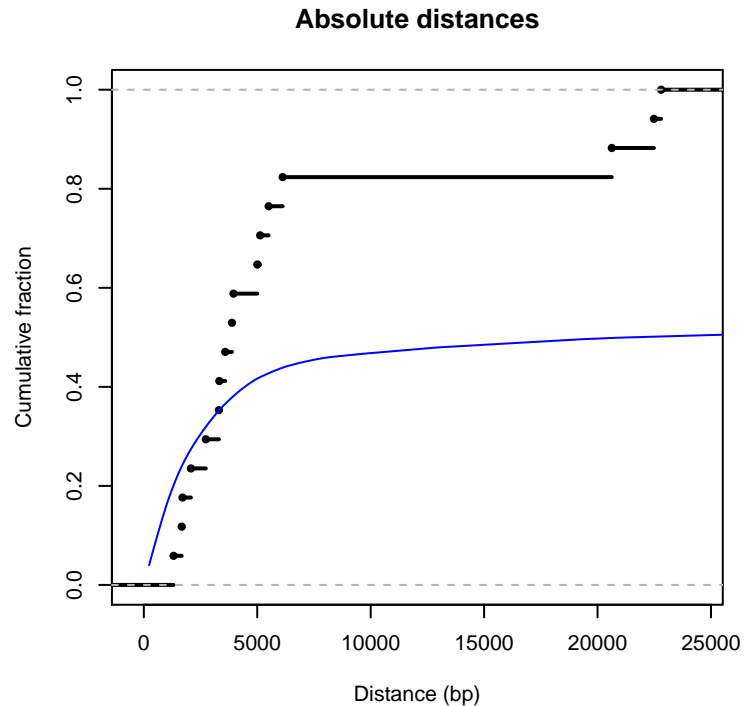
pcontig_015

Query population : 2
Reference population : 9
Relative Ks p-value : 0.511605
Relative ecdf deviation area : 0.1175
Relative ecdf area correlation : 0.468638
Relative ecdf deviation area p-value : 0.39
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 : 0.00510212
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_016

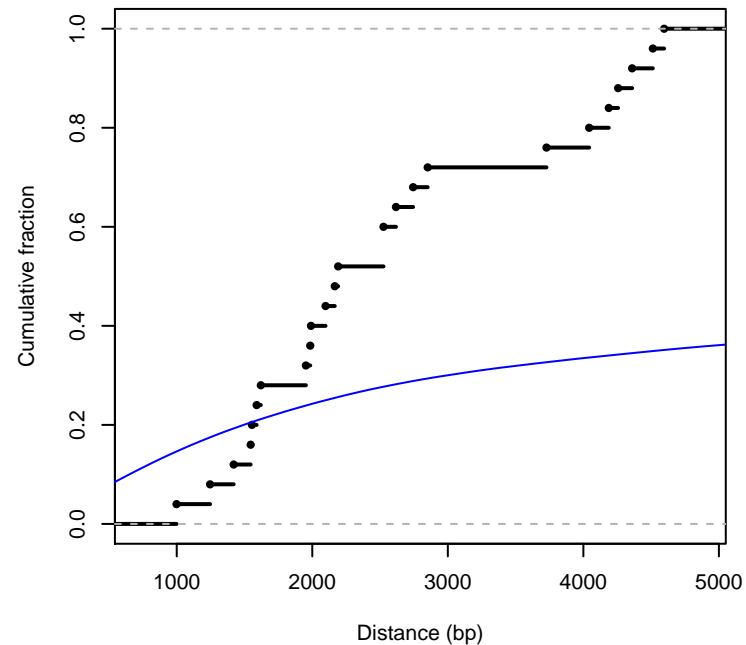
Query population : 17
Reference population : 262
Relative Ks p-value : 0.0484883
Relative ecdf deviation area : 0.0733393
Relative ecdf area correlation : -0.279994
Relative ecdf deviation area p-value : 0.04
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.081938
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



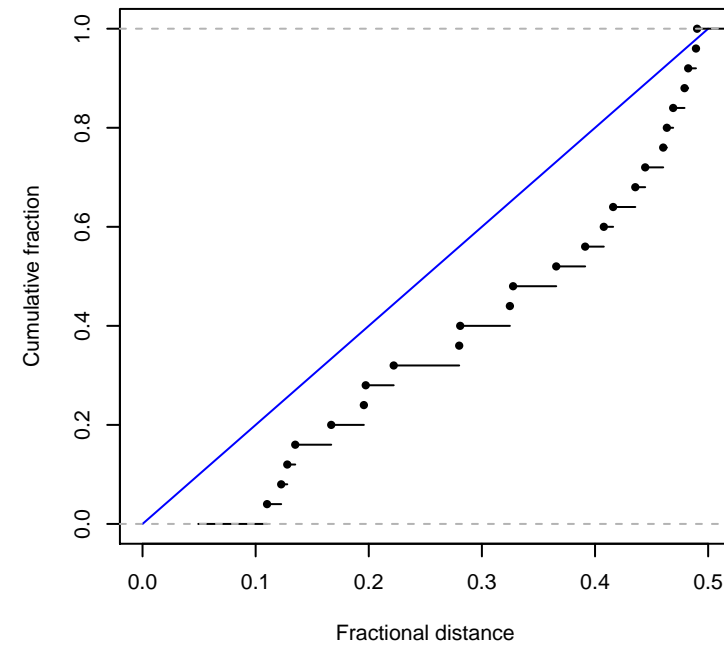
pcontig_017

Query population : 25
Reference population : 244
Relative Ks p-value : 0.0520545
Relative ecdf deviation area : 0.0817096
Relative ecdf area correlation : -0.325604
Relative ecdf deviation 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 : 0.0457351
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

Absolute distances

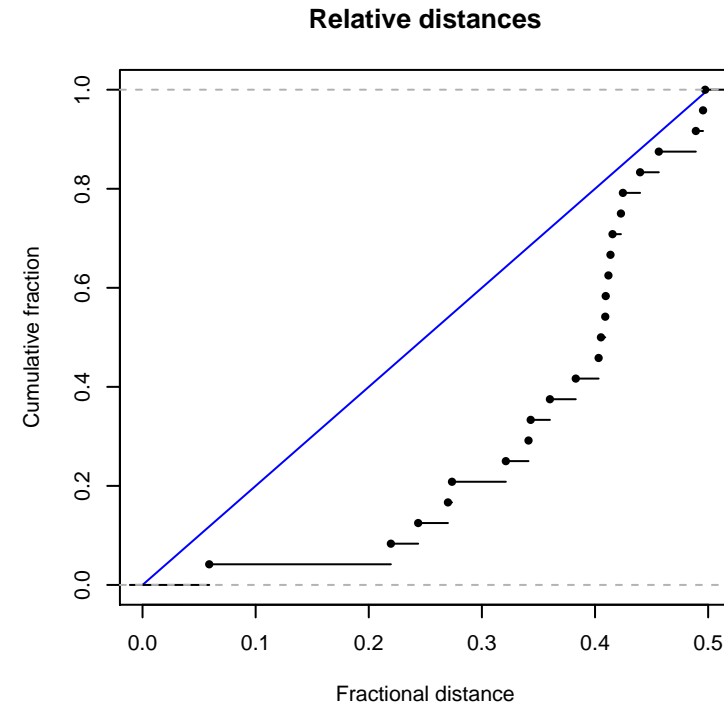
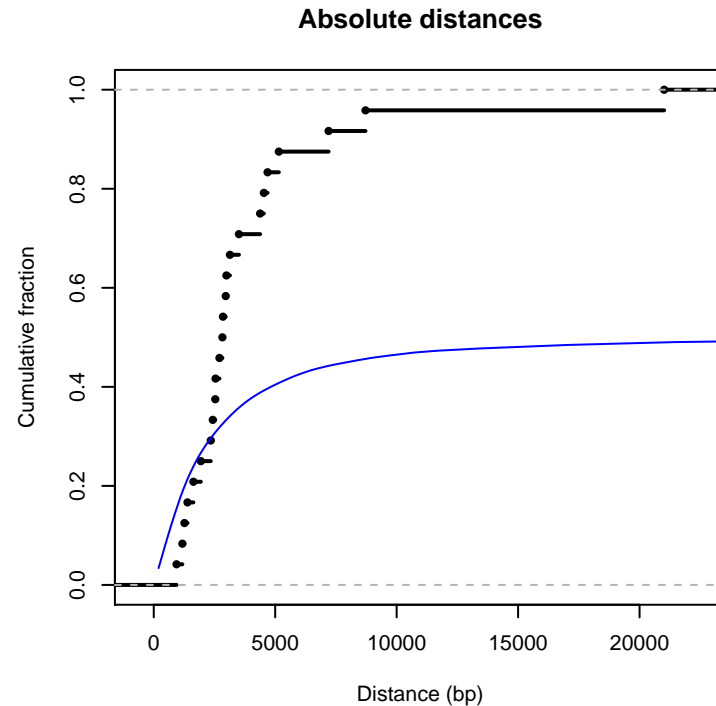


Relative distances



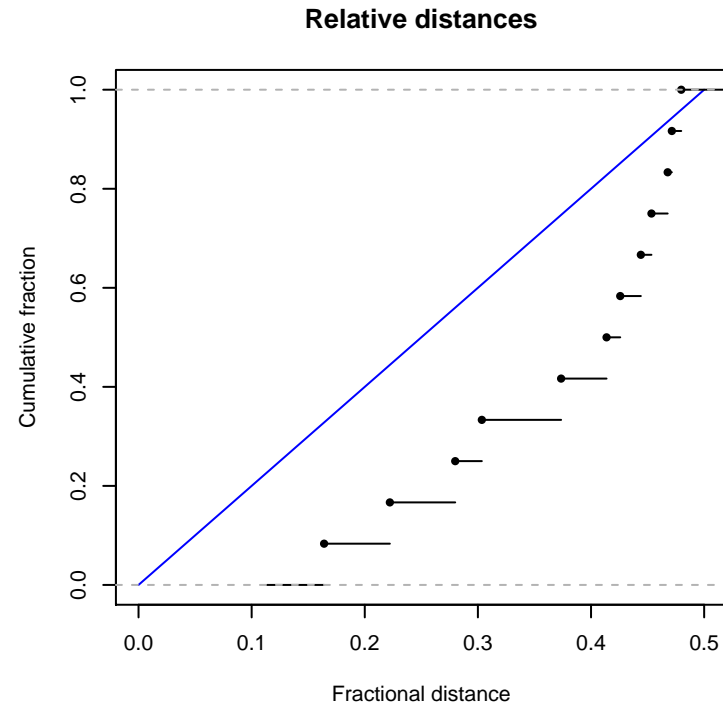
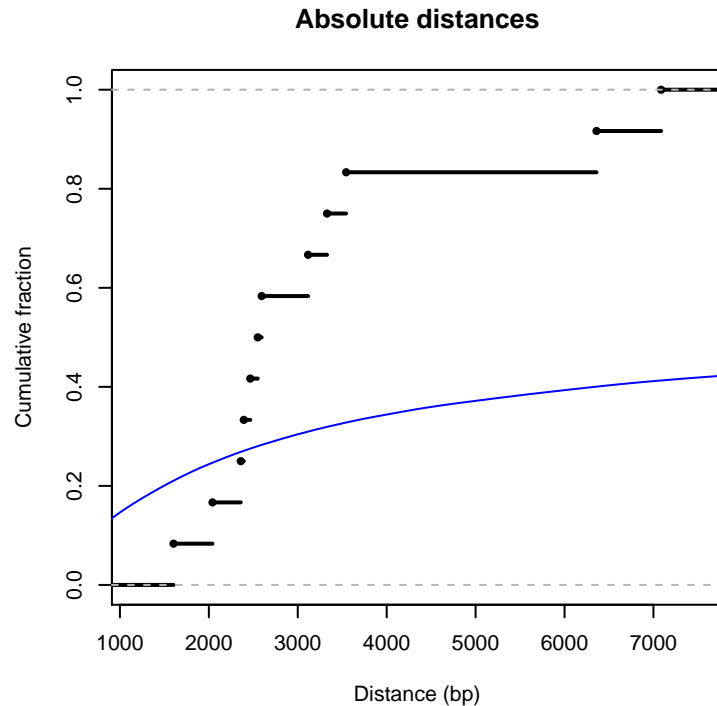
pcontig_018

Query population : 24
Reference population : 262
Relative Ks p-value : 0.000125854
Relative ecdf deviation area : 0.121122
Relative ecdf area correlation : -0.48464
Relative ecdf deviation 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 : 0.0583216
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



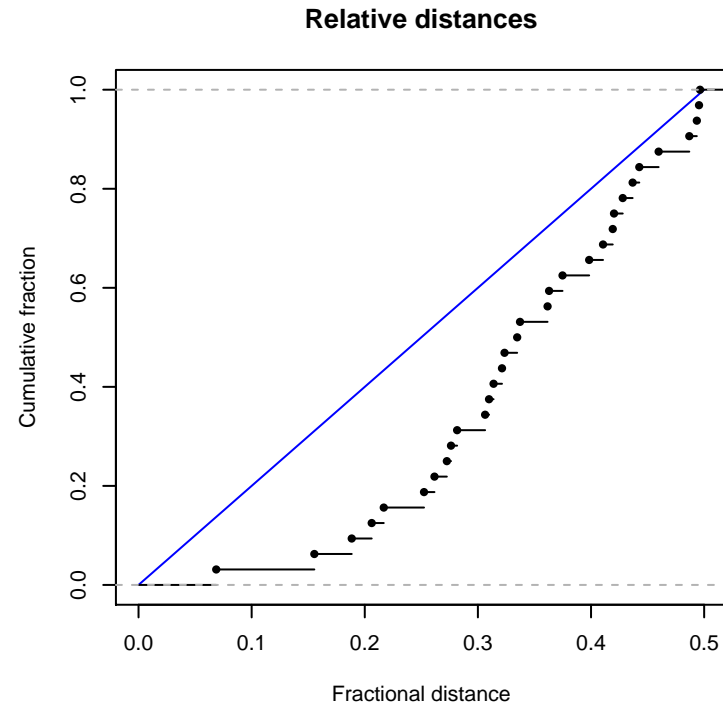
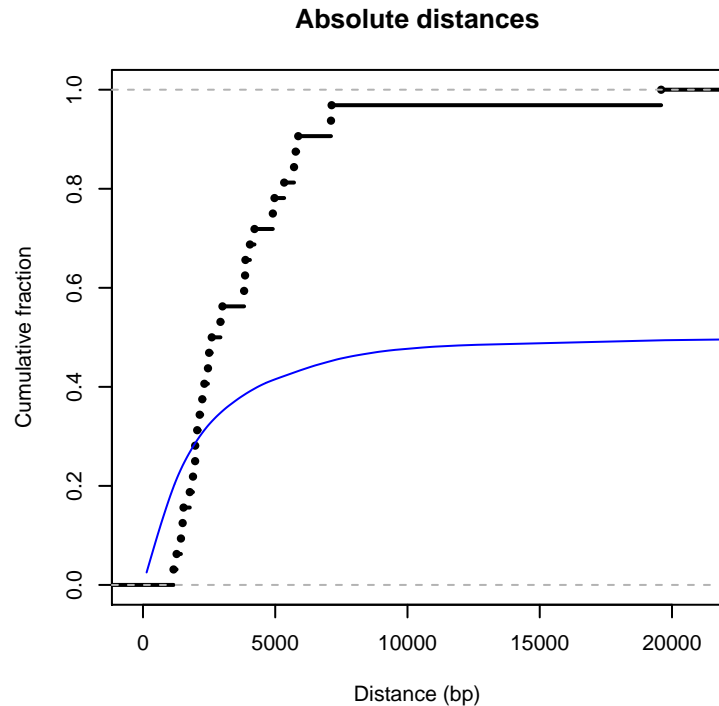
pcontig_019

Query population : 12
Reference population : 244
Relative Ks p-value : 0.0225386
Relative ecdf deviation area : 0.126041
Relative ecdf area correlation : -0.499721
Relative ecdf deviation 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 : 0.25232
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



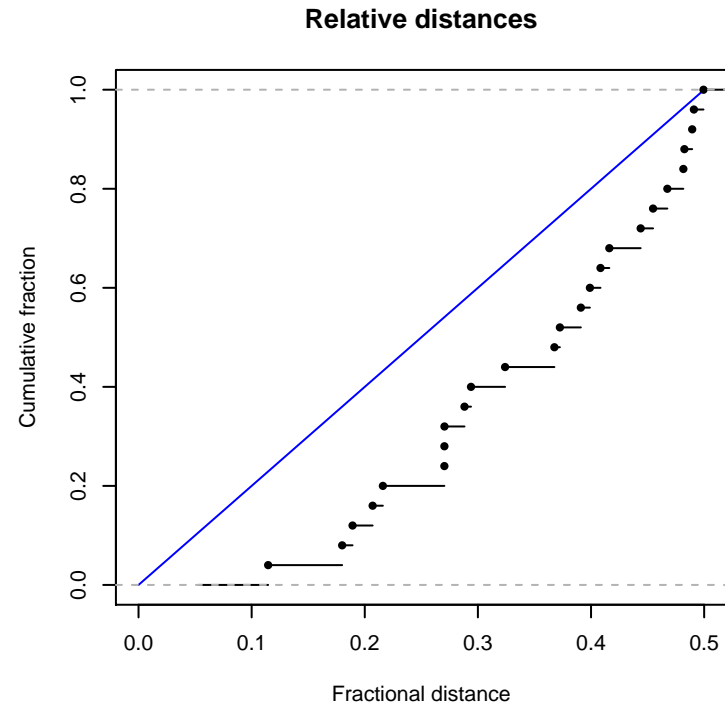
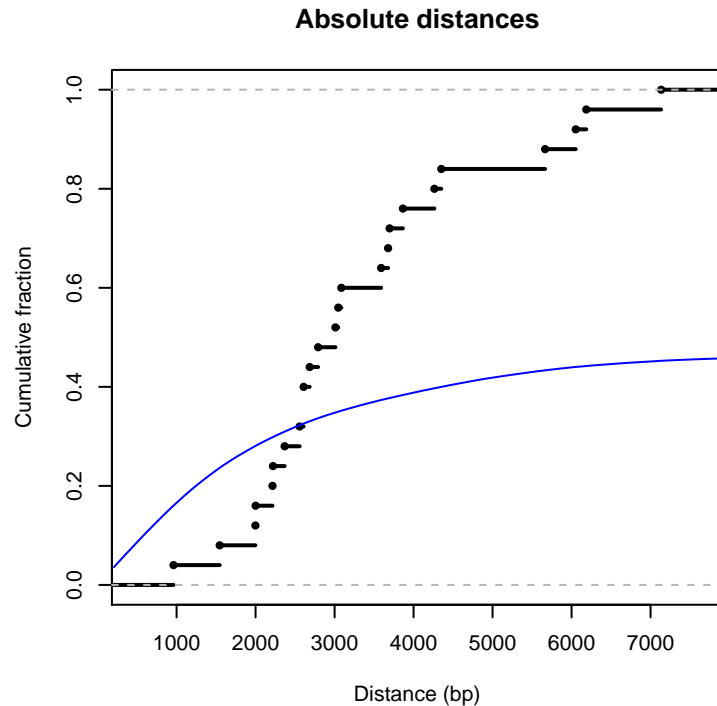
pcontig_020

Query population : 32
Reference population : 282
Relative Ks p-value : 0.000560001
Relative ecdf deviation area : 0.0910031
Relative ecdf area correlation : -0.364256
Relative ecdf deviation 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 : 0.0117928
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



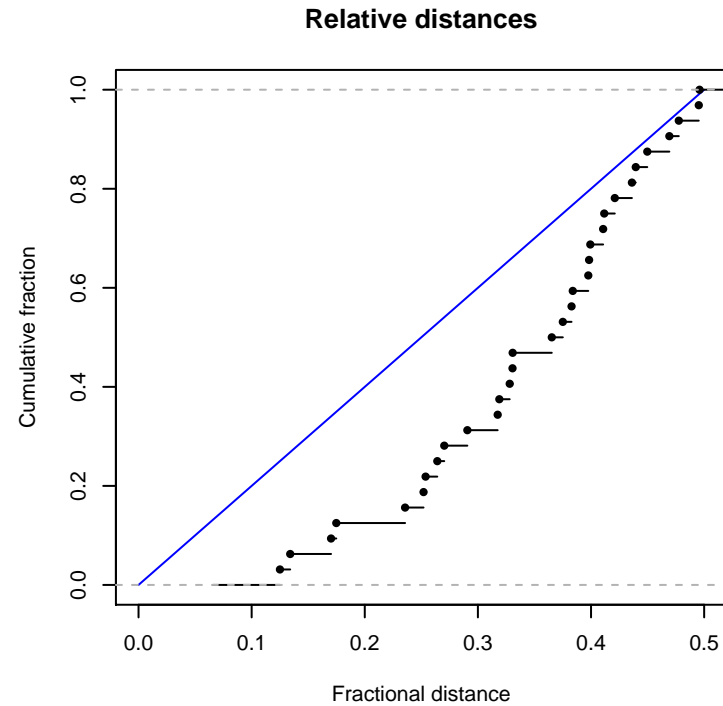
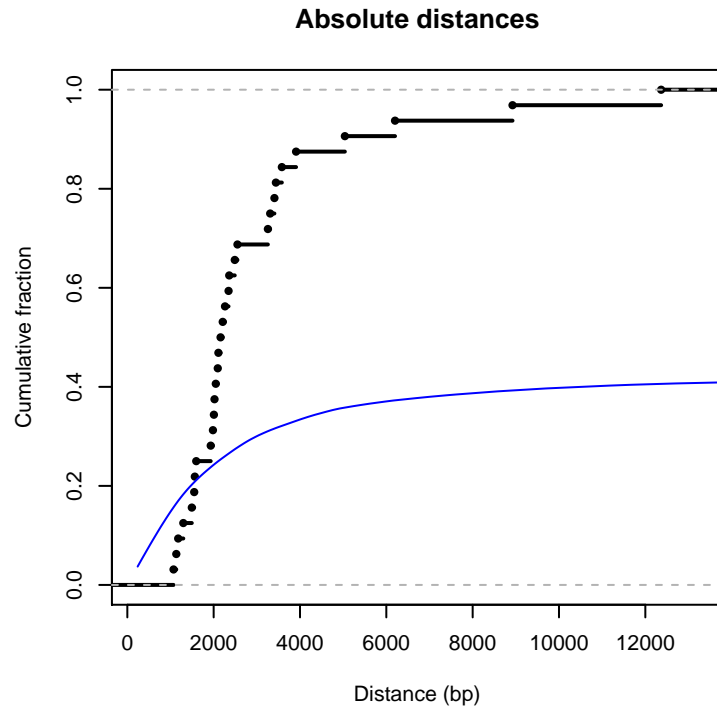
pcontig_021

Query population : 25
Reference population : 267
Relative Ks p-value : 0.00429268
Relative ecdf deviation area : 0.101526
Relative ecdf area correlation : -0.406216
Relative ecdf deviation 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 : 0.0235539
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



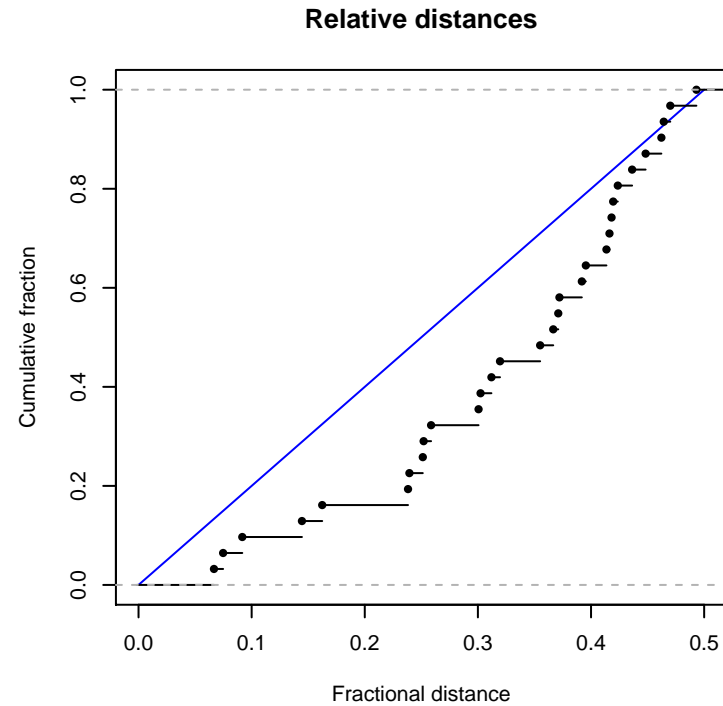
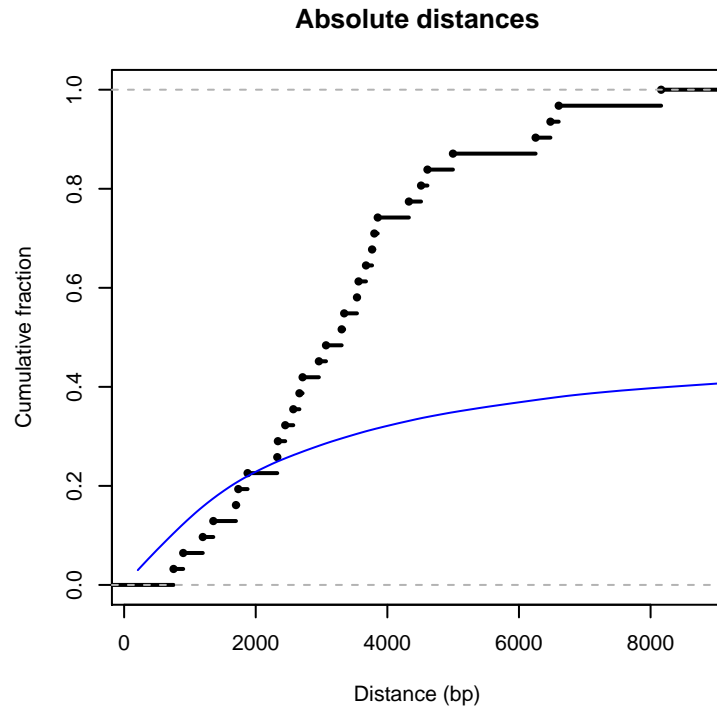
pcontig_022

Query population : 32
Reference population : 238
Relative Ks p-value : 0.000584019
Relative ecdf deviation area : 0.094207
Relative ecdf area correlation : -0.375676
Relative ecdf deviation 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 : 0.0135236
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



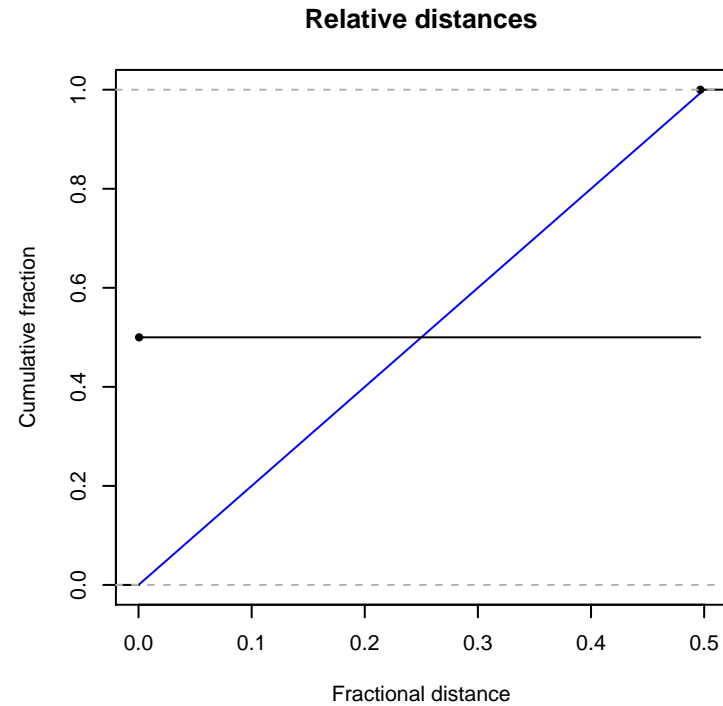
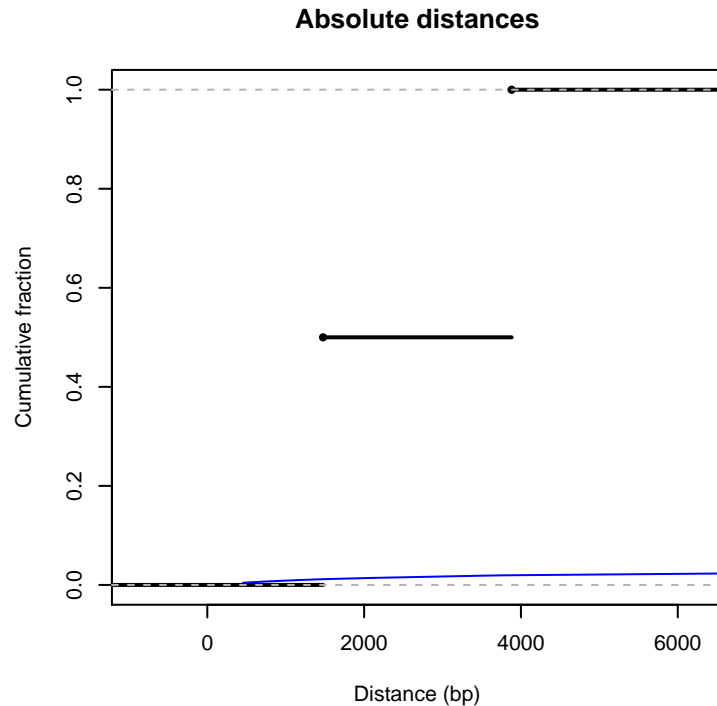
pcontig_023

Query population : 31
Reference population : 220
Relative Ks p-value : 0.0030935
Relative ecdf deviation area : 0.0777602
Relative ecdf area correlation : -0.307313
Relative ecdf deviation 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 : 0.029195
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



pcontig_024

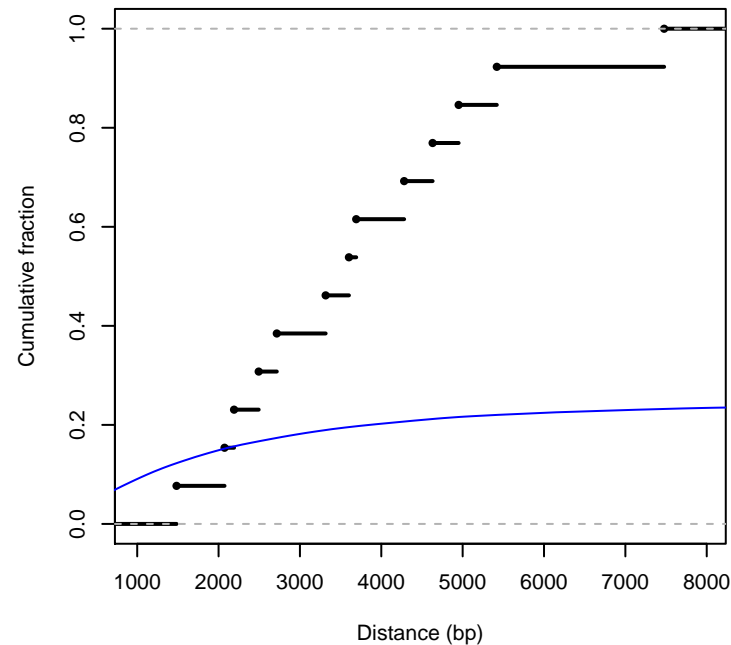
Query population : 2
Reference population : 15
Relative Ks p-value : 0.503926
Relative ecdf deviation area : 0.123631
Relative ecdf area correlation : 0.00579839
Relative ecdf deviation area p-value : 0.32
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0117604
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



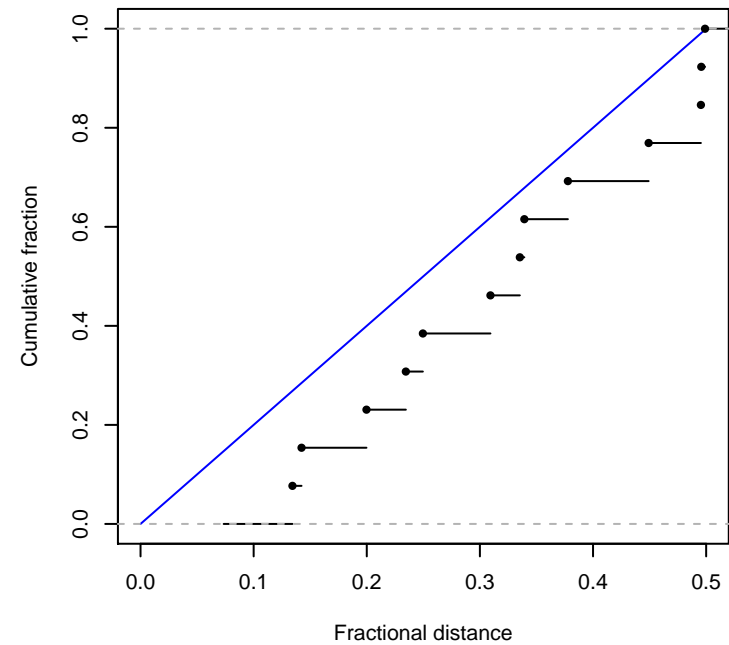
pcontig_025

Query population : 13
Reference population : 156
Relative Ks p-value : 0.255751
Relative ecdf deviation area : 0.0780243
Relative ecdf area correlation : -0.311195
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 : 0.13
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.454613
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

Absolute distances

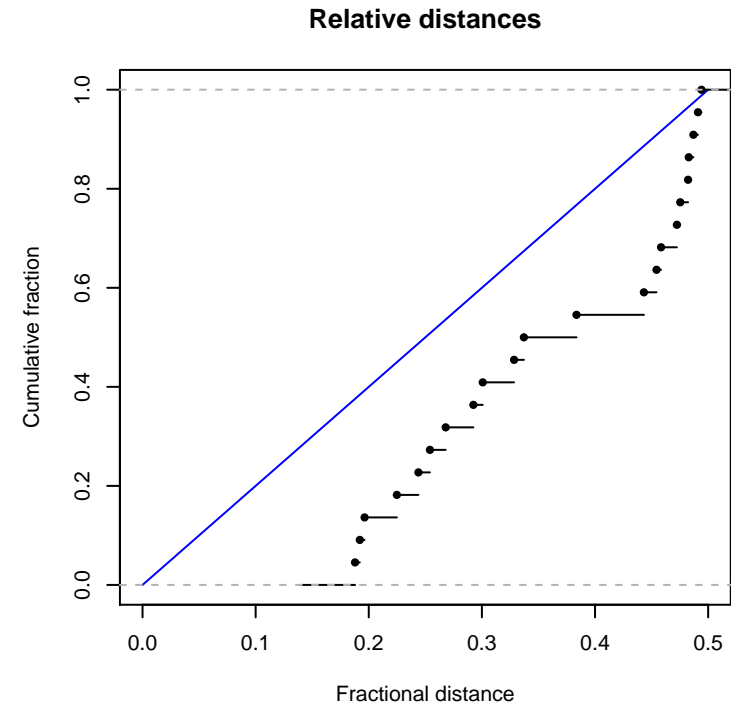
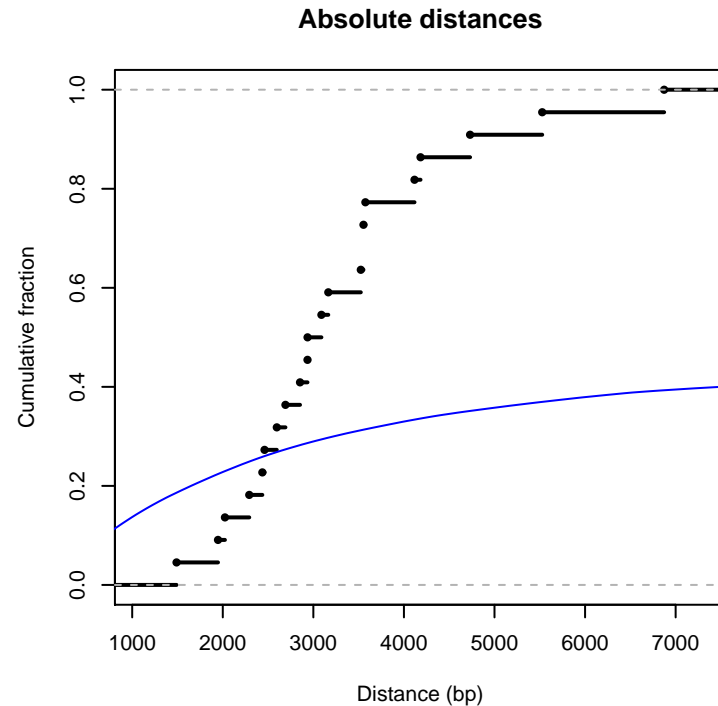


Relative distances



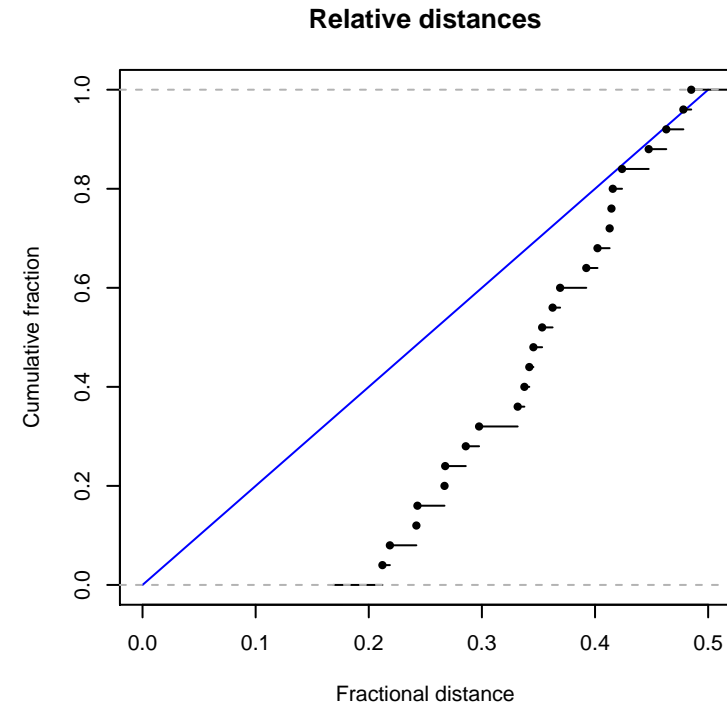
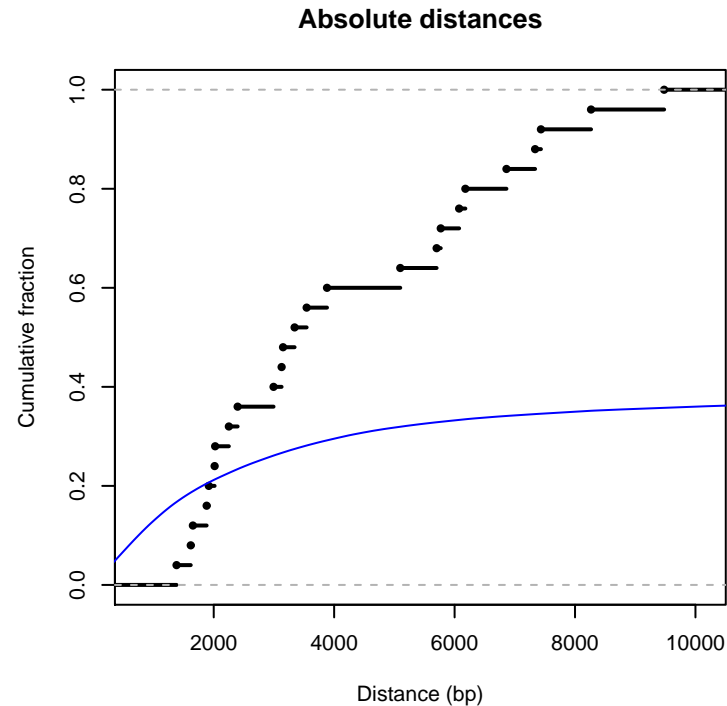
pcontig_026

Query population : 22
Reference population : 225
Relative Ks p-value : 0.00268365
Relative ecdf deviation area : 0.110911
Relative ecdf area correlation : -0.4455
Relative ecdf deviation 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 : 0.129065
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



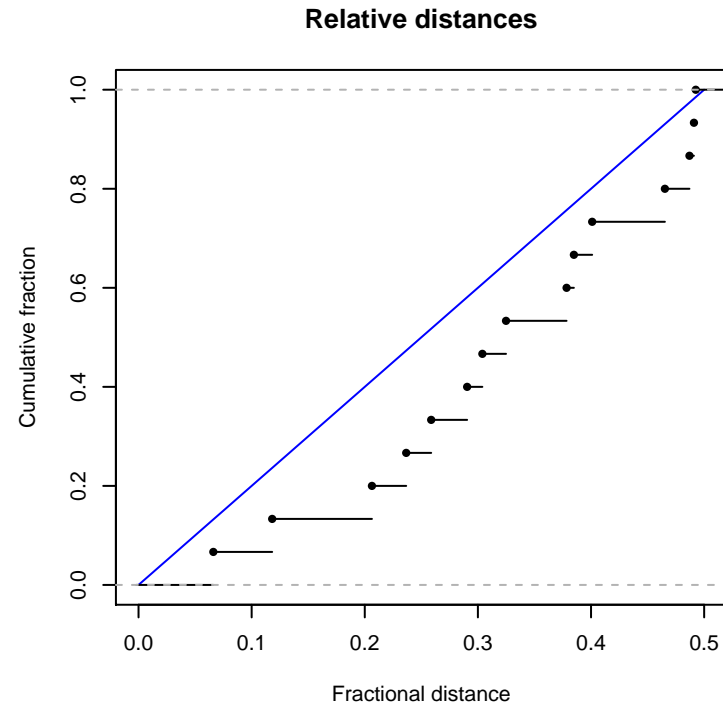
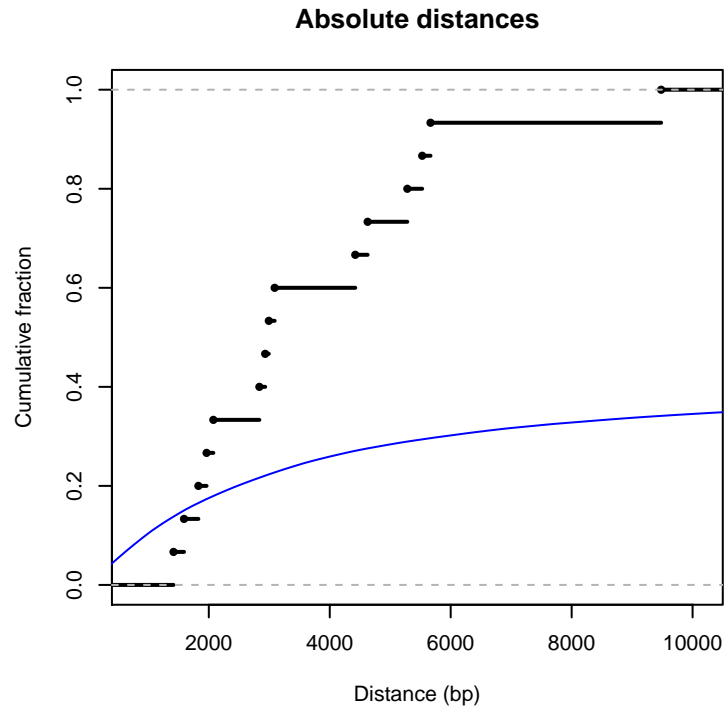
pcontig_027

Query population : 25
Reference population : 209
Relative Ks p-value : 0.000135216
Relative ecdf deviation area : 0.10258
Relative ecdf area correlation : -0.409632
Relative ecdf deviation 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 : 0.100055
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



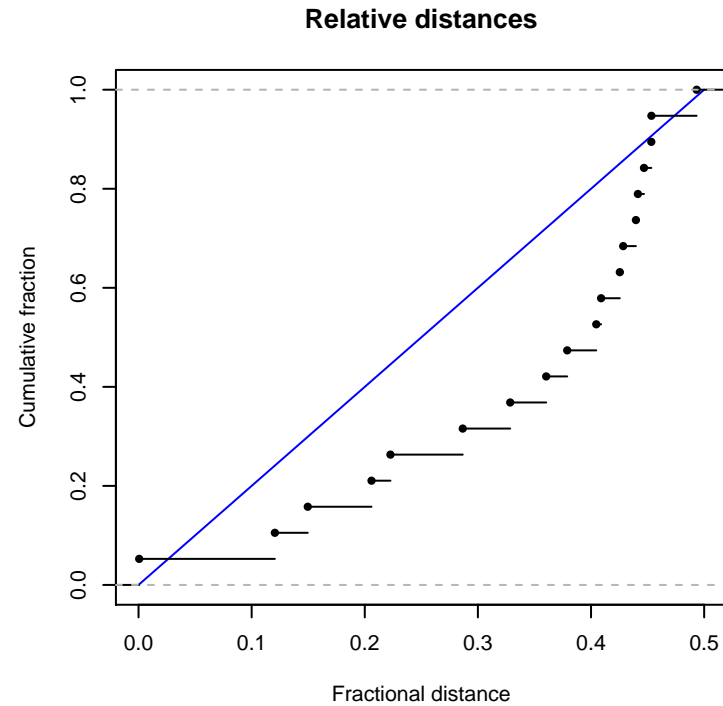
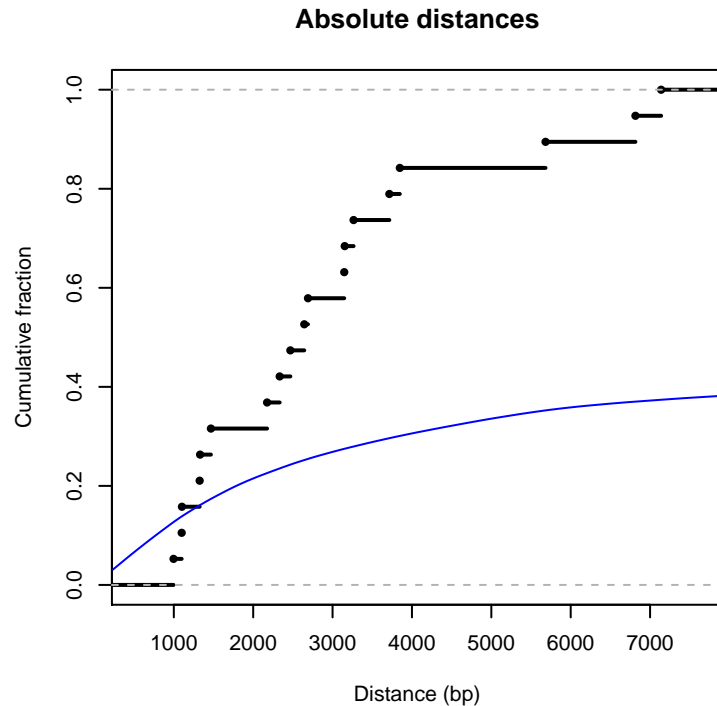
pcontig_028

Query population : 15
Reference population : 168
Relative Ks p-value : 0.158275
Relative ecdf deviation area : 0.077557
Relative ecdf area correlation : -0.308106
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 : 0.03
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.199768
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



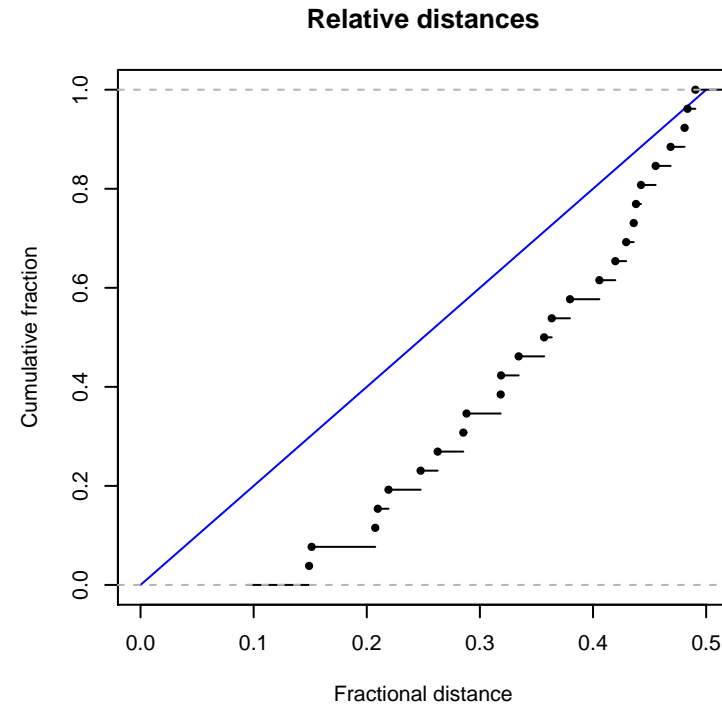
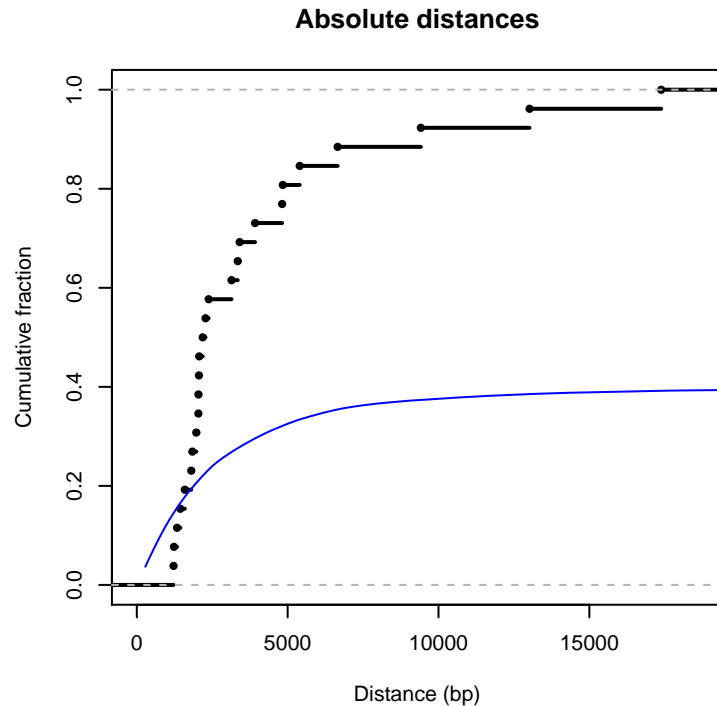
pcontig_029

Query population : 19
Reference population : 204
Relative Ks p-value : 0.0129612
Relative ecdf deviation area : 0.0915367
Relative ecdf area correlation : -0.357732
Relative ecdf deviation 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 : 0.186066
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



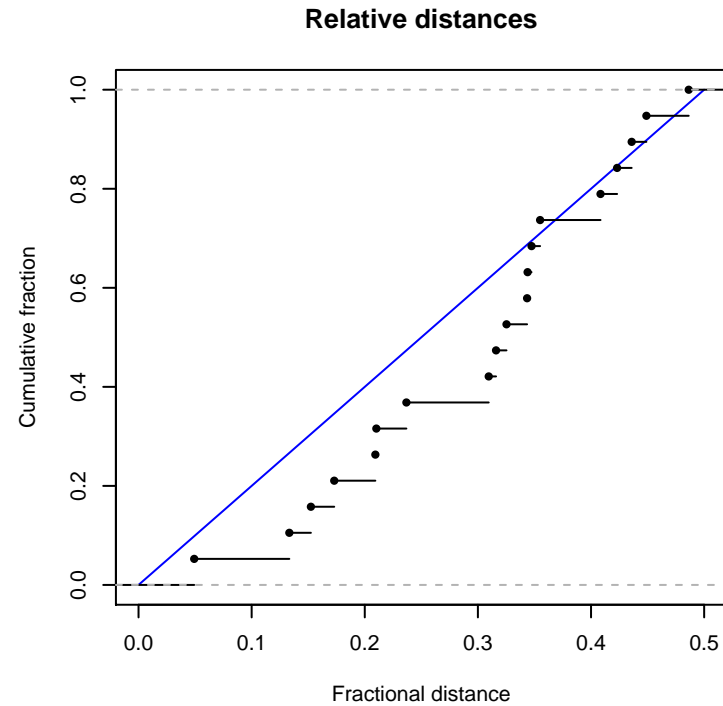
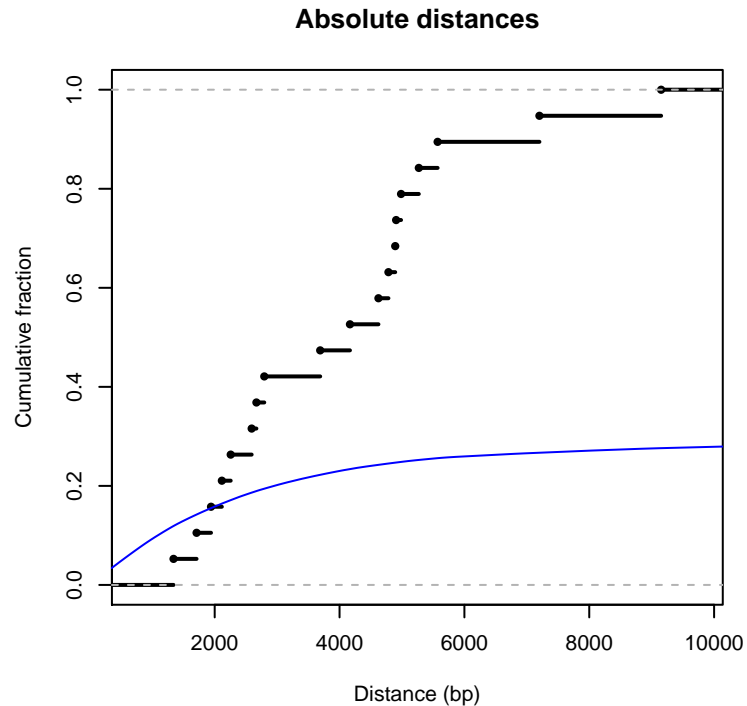
pcontig_030

Query population : 26
Reference population : 201
Relative Ks p-value : 0.00374172
Relative ecdf deviation area : 0.097662
Relative ecdf area correlation : -0.391031
Relative ecdf deviation 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 : 0.0811132
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



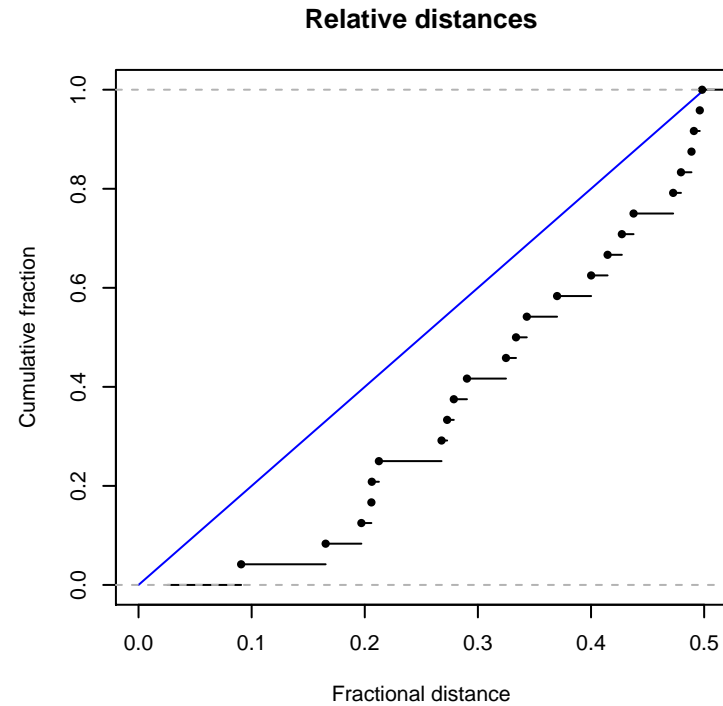
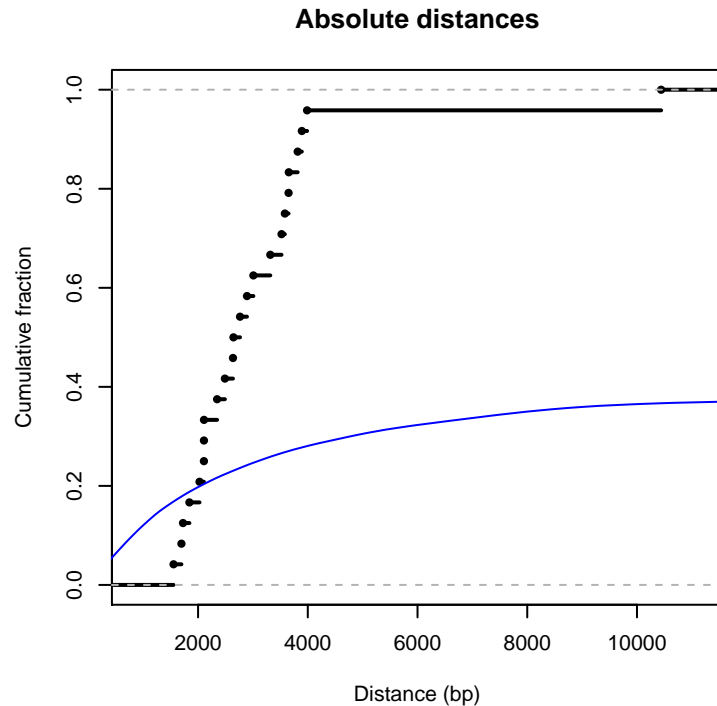
pcontig_031

Query population : 19
Reference population : 149
Relative Ks p-value : 0.154038
Relative ecdf deviation area : 0.0527908
Relative ecdf area correlation : -0.201614
Relative ecdf deviation area p-value : 0.15
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.255833
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



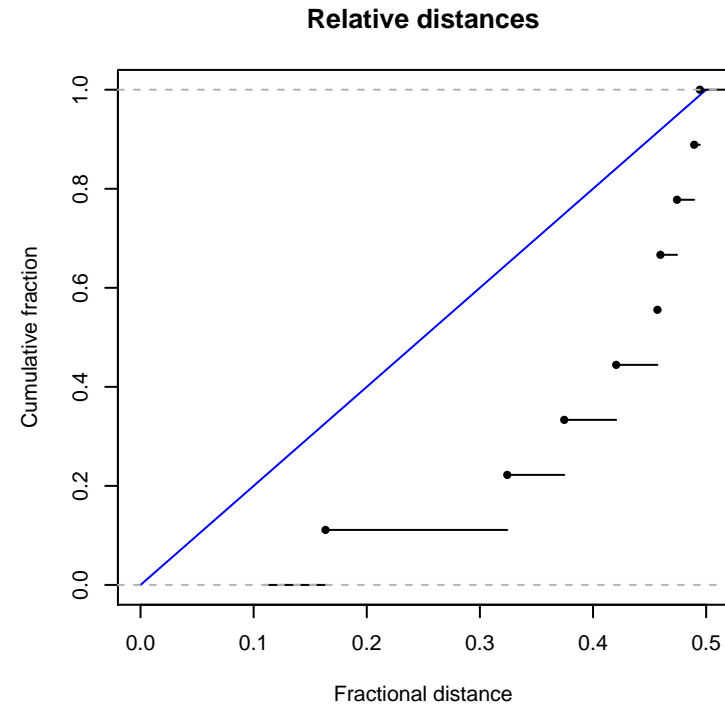
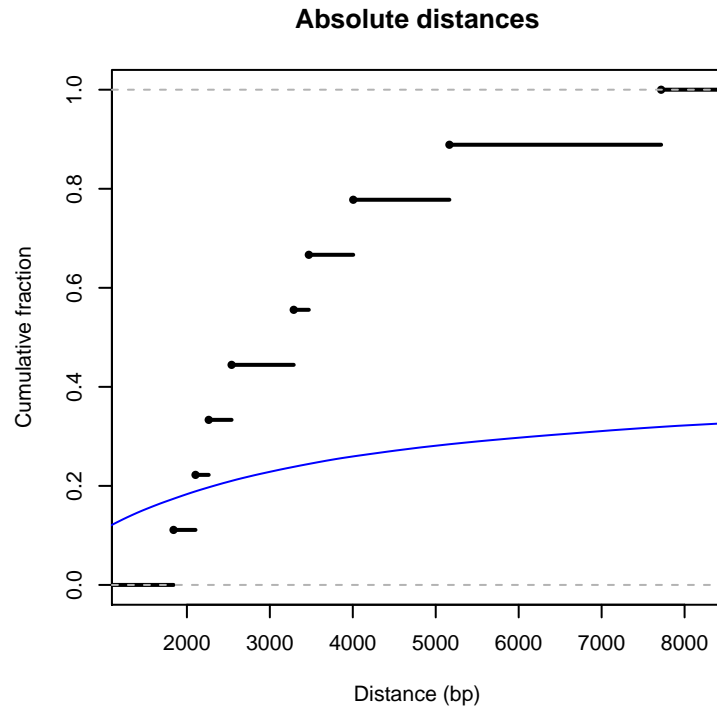
pcontig_033

Query population : 24
Reference population : 197
Relative Ks p-value : 0.0148265
Relative ecdf deviation area : 0.0898715
Relative ecdf area correlation : -0.360827
Relative ecdf deviation 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 : 0.136599
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



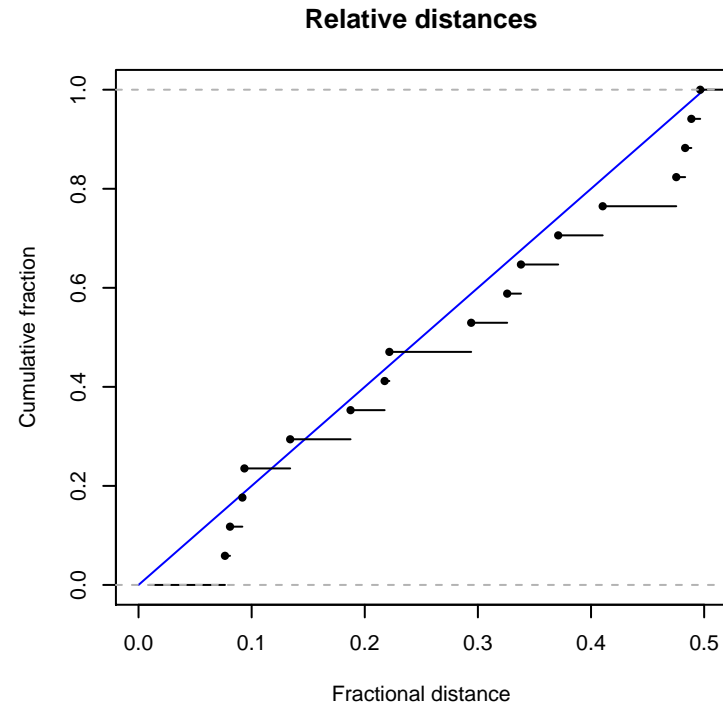
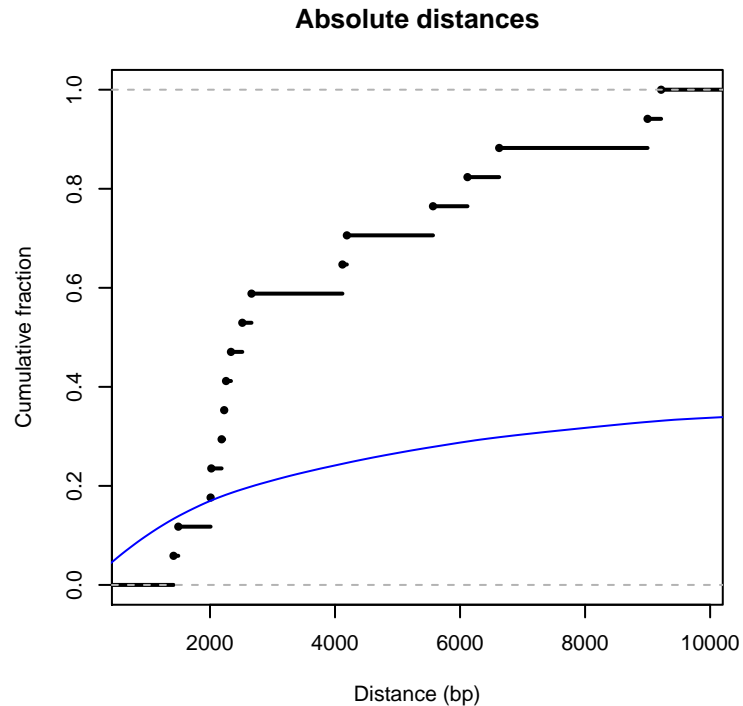
pcontig_034

Query population : 9
Reference population : 186
Relative Ks p-value : 0.00589376
Relative ecdf deviation area : 0.15654
Relative ecdf area correlation : -0.625504
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.14
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.499899
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



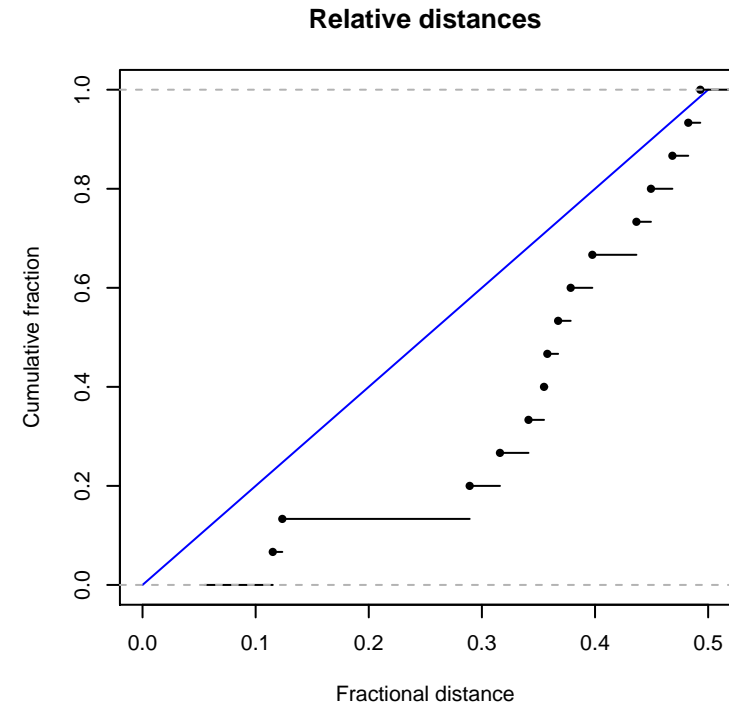
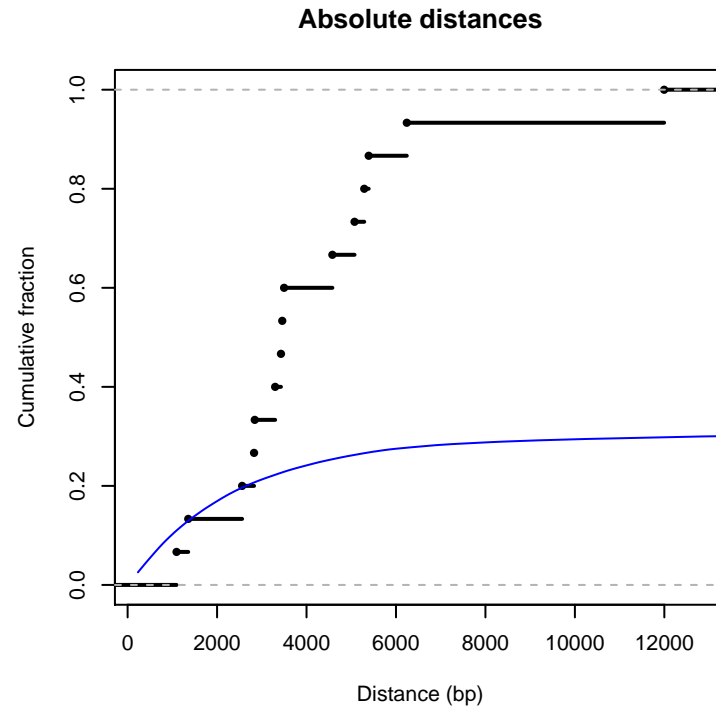
pcontig_035

Query population : 17
Reference population : 164
Relative Ks p-value : 0.538242
Relative ecdf deviation area : 0.0330206
Relative ecdf area correlation : -0.126257
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 : 0.05
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.279103
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



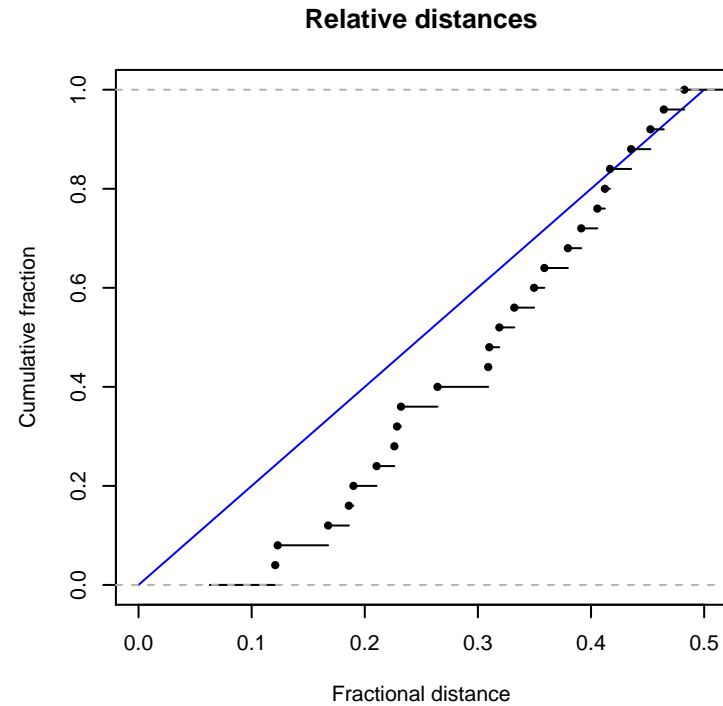
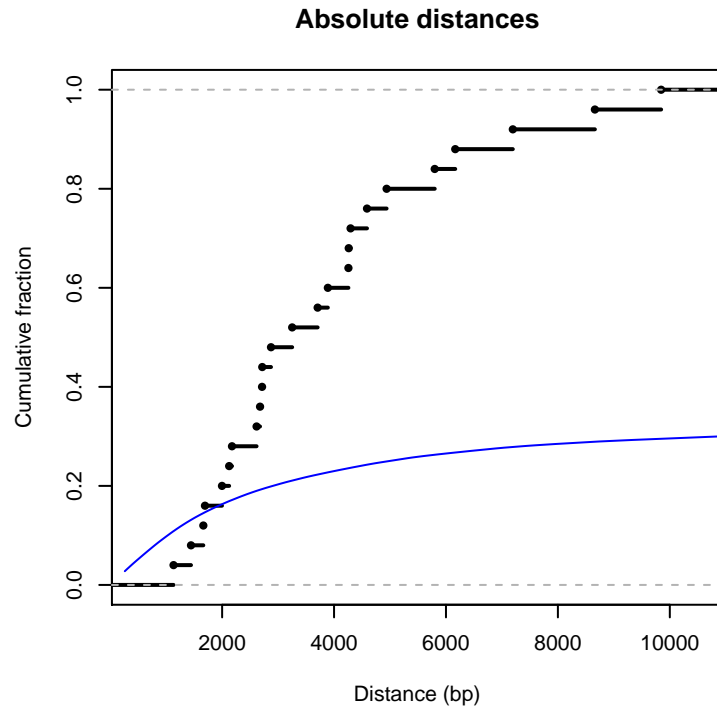
pcontig_036

Query population : 15
Reference population : 169
Relative Ks p-value : 0.00316148
Relative ecdf deviation area : 0.108263
Relative ecdf area correlation : -0.432315
Relative ecdf deviation 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 : 0.324324
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



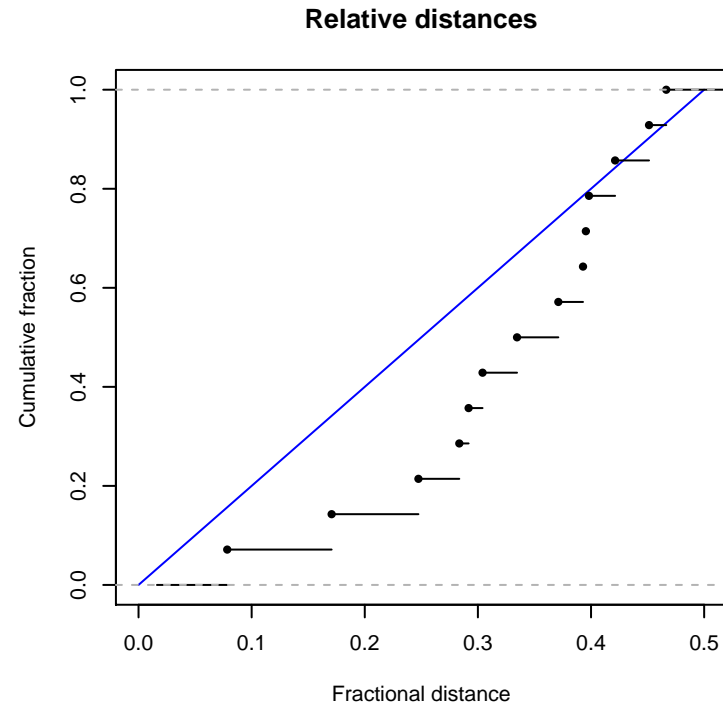
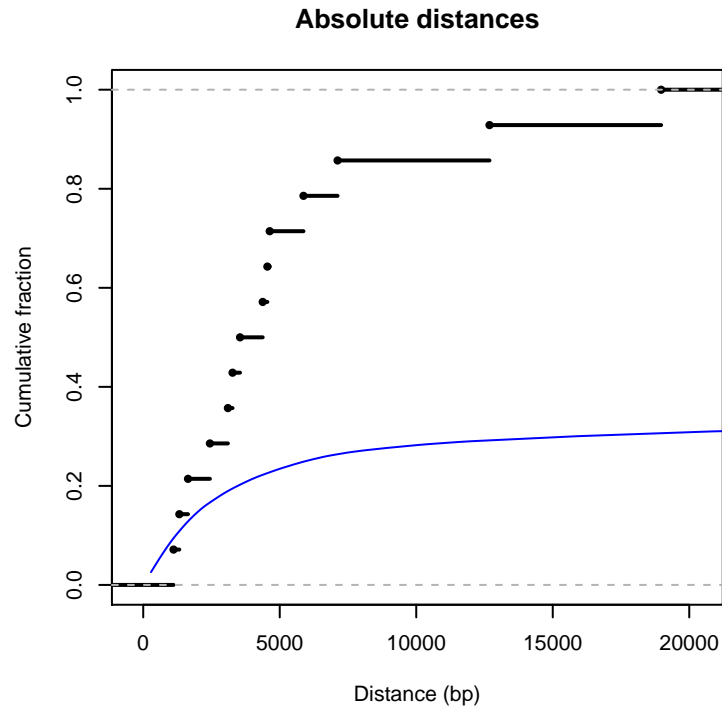
pcontig_037

Query population : 25
Reference population : 163
Relative Ks p-value : 0.063644
Relative ecdf deviation area : 0.062112
Relative ecdf area correlation : -0.242862
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 : 0.02
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.136191
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



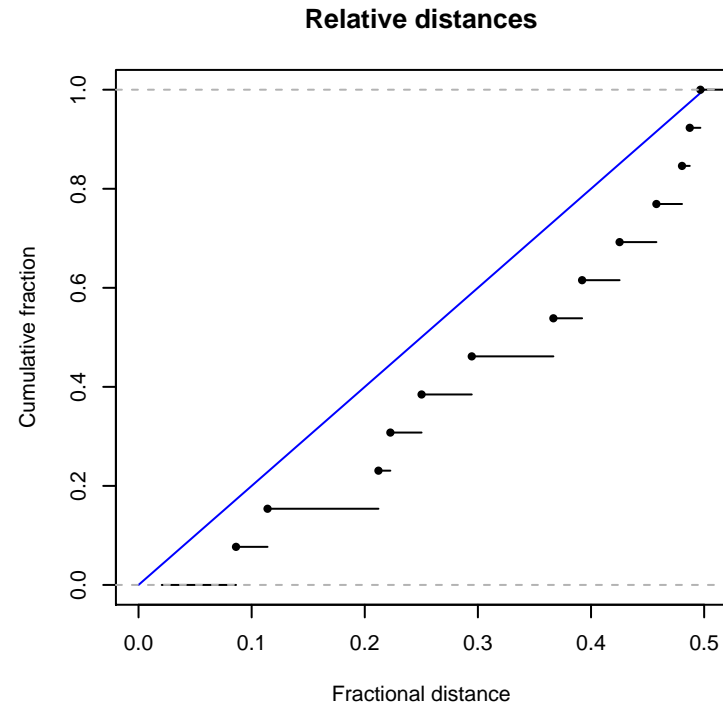
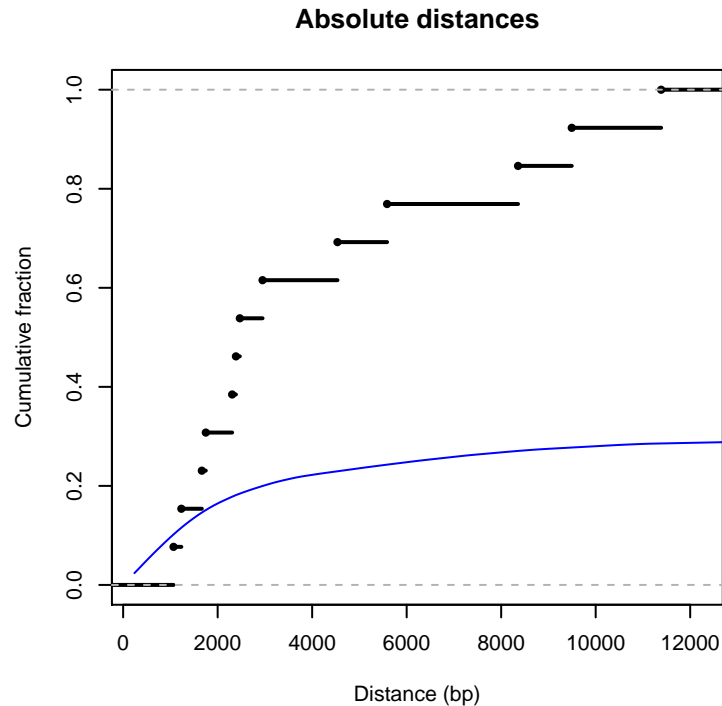
pcontig_039

Query population : 14
Reference population : 139
Relative Ks p-value : 0.0459804
Relative ecdf deviation area : 0.0820314
Relative ecdf area correlation : -0.316361
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 : 0.07
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.344246
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



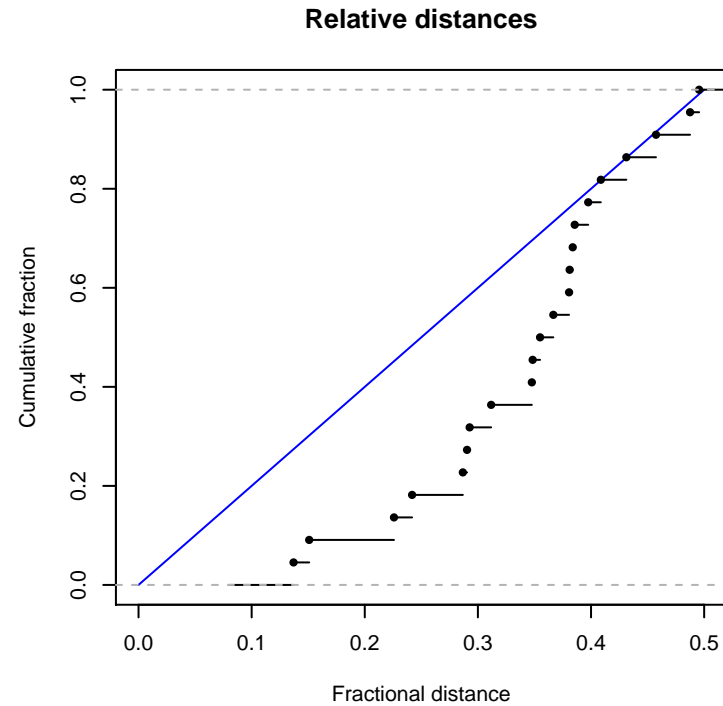
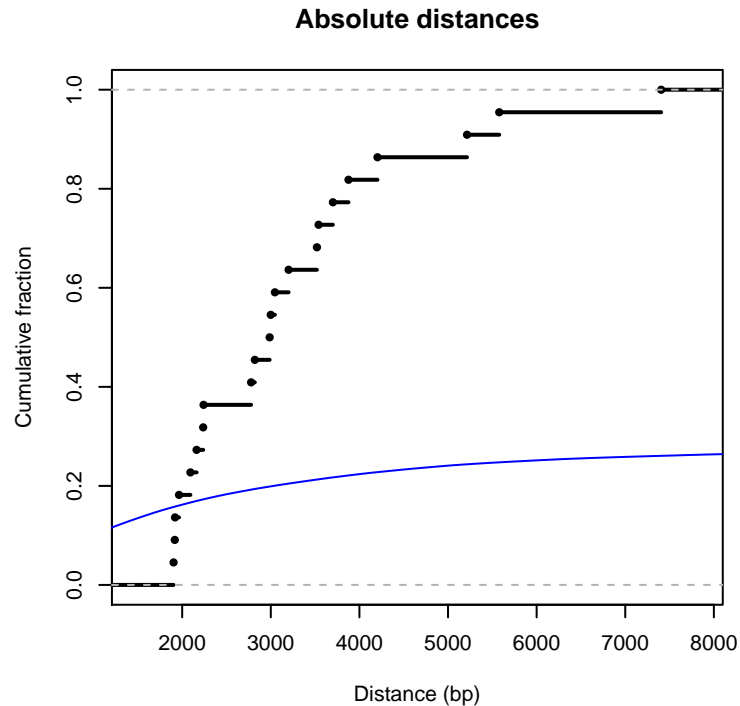
pcontig_040

Query population : 13
Reference population : 153
Relative Ks p-value : 0.243407
Relative ecdf deviation area : 0.0797624
Relative ecdf area correlation : -0.318762
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 : 0.12
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.344788
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



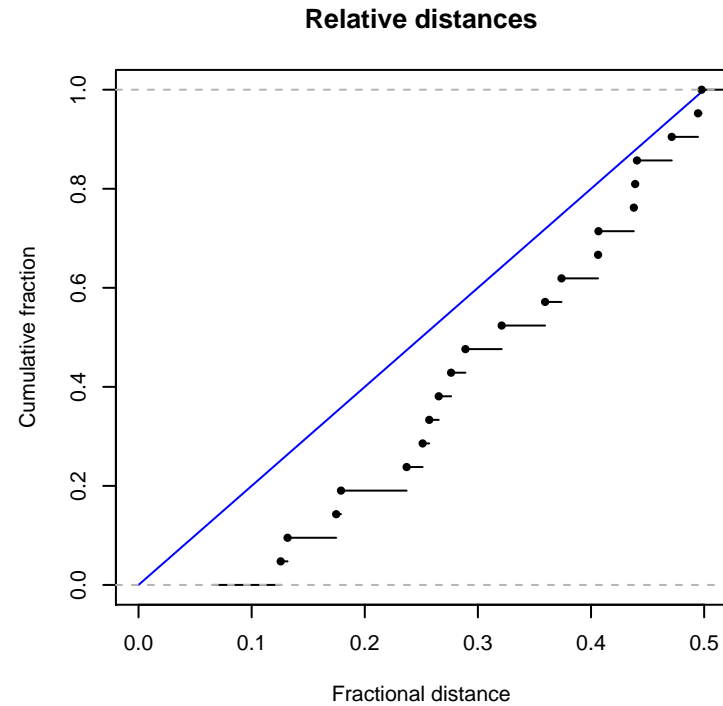
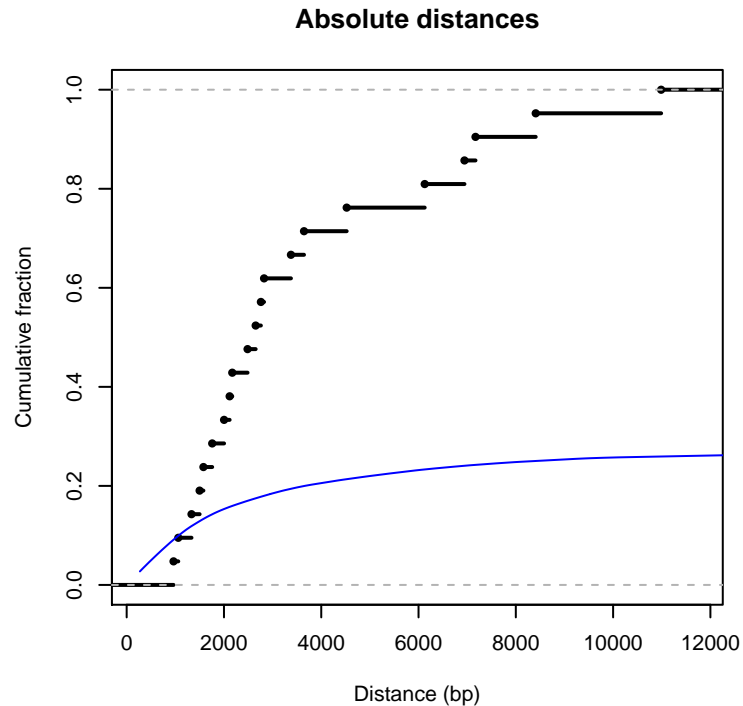
pcontig_041

Query population : 22
Reference population : 165
Relative Ks p-value : 0.00150081
Relative ecdf deviation area : 0.0940844
Relative ecdf area correlation : -0.375241
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.05
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.188237
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



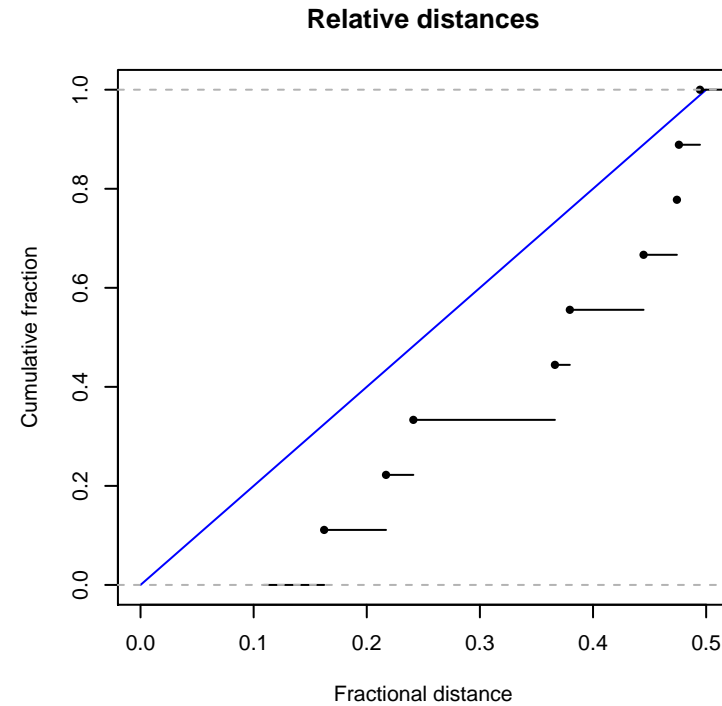
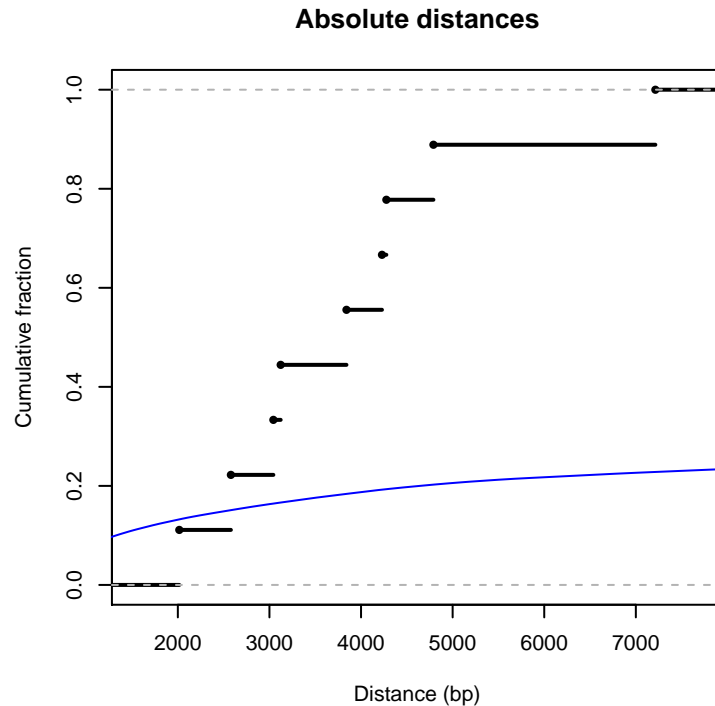
pcontig_042

Query population : 21
Reference population : 154
Relative Ks p-value : 0.0549954
Relative ecdf deviation area : 0.0753245
Relative ecdf area correlation : -0.301951
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 : 0.215052
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



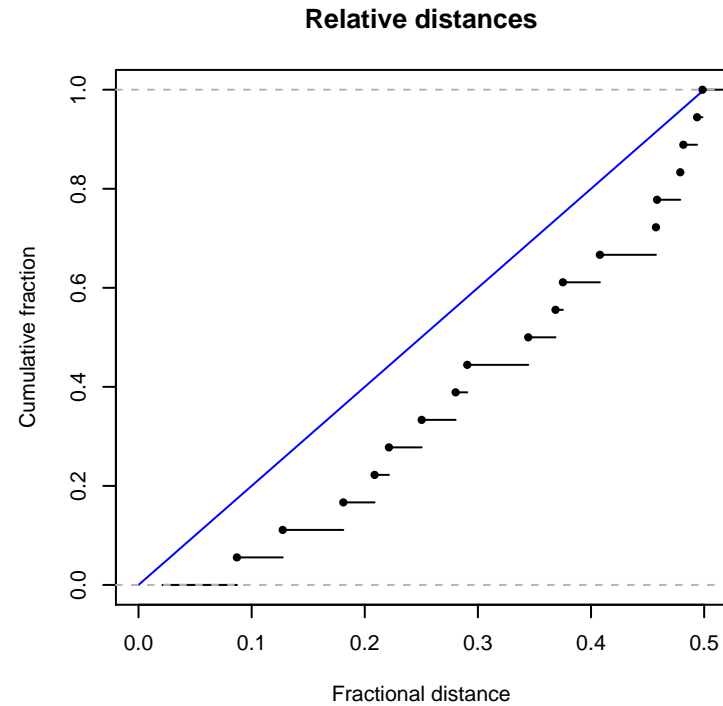
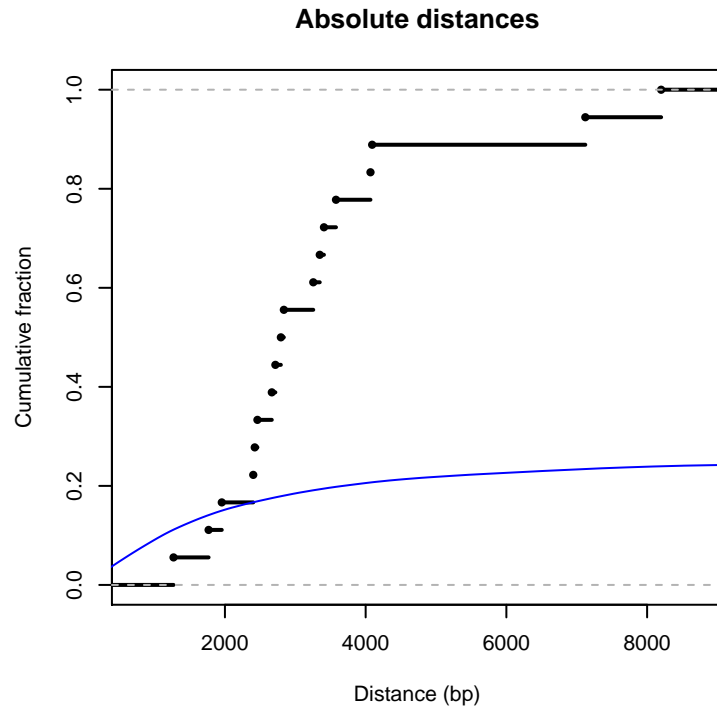
pcontig_043

Query population : 9
Reference population : 125
Relative Ks p-value : 0.0830713
Relative ecdf deviation area : 0.112325
Relative ecdf area correlation : -0.446944
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 : 0.31
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.409427
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



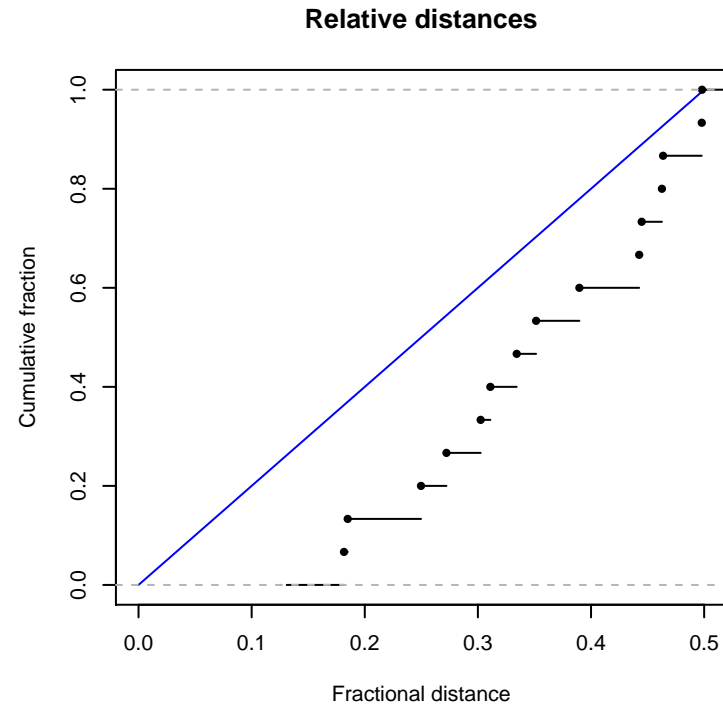
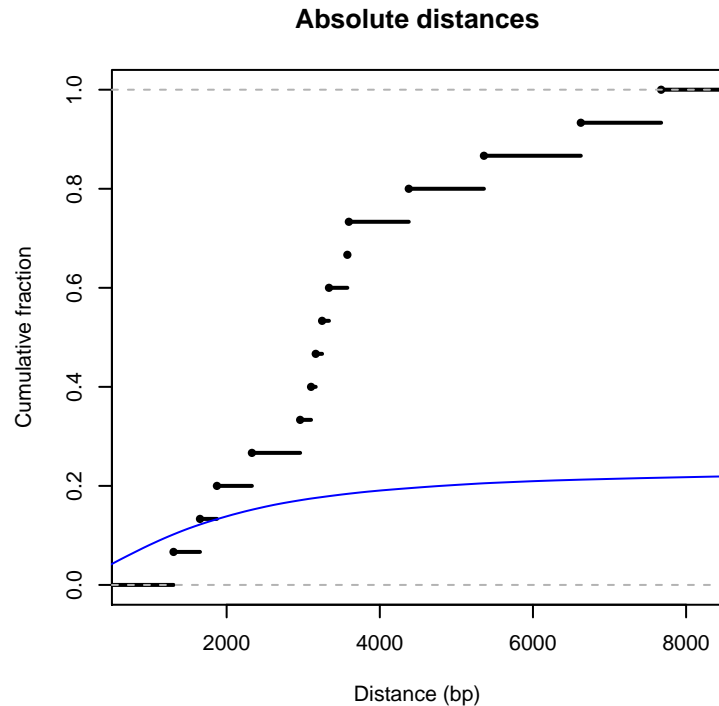
pcontig_044

Query population : 18
Reference population : 146
Relative Ks p-value : 0.174039
Relative ecdf deviation area : 0.0840159
Relative ecdf area correlation : -0.335833
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 : 0.26695
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



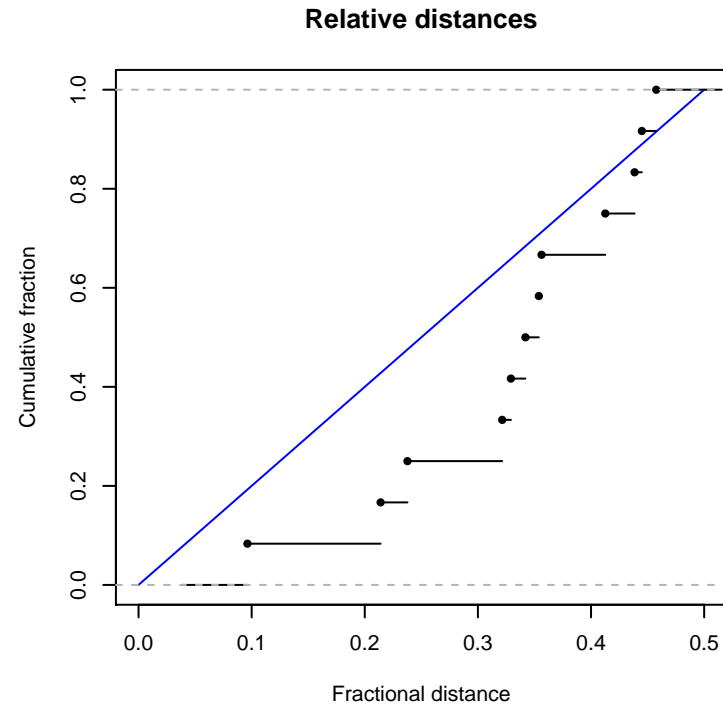
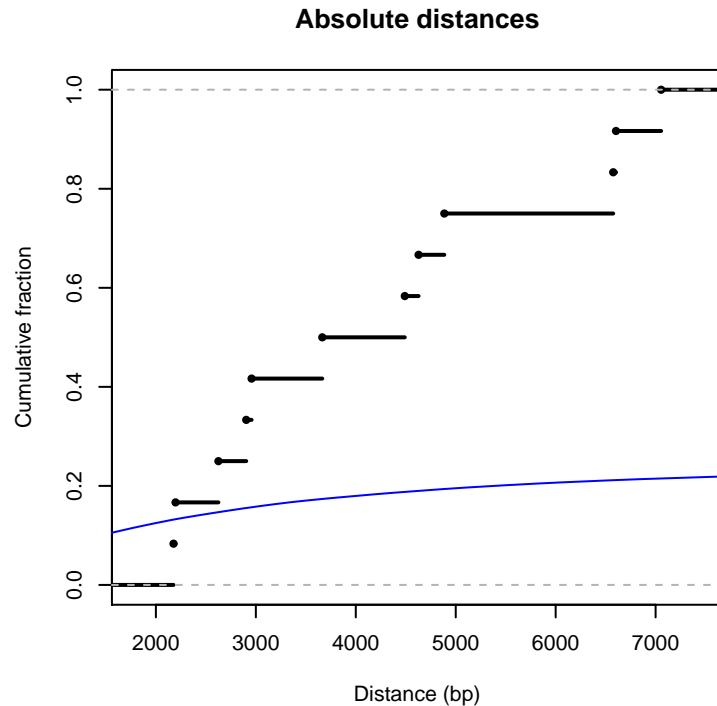
pcontig_045

Query population : 15
Reference population : 130
Relative Ks p-value : 0.0261209
Relative ecdf deviation area : 0.109155
Relative ecdf area correlation : -0.436541
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.21
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.342973
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



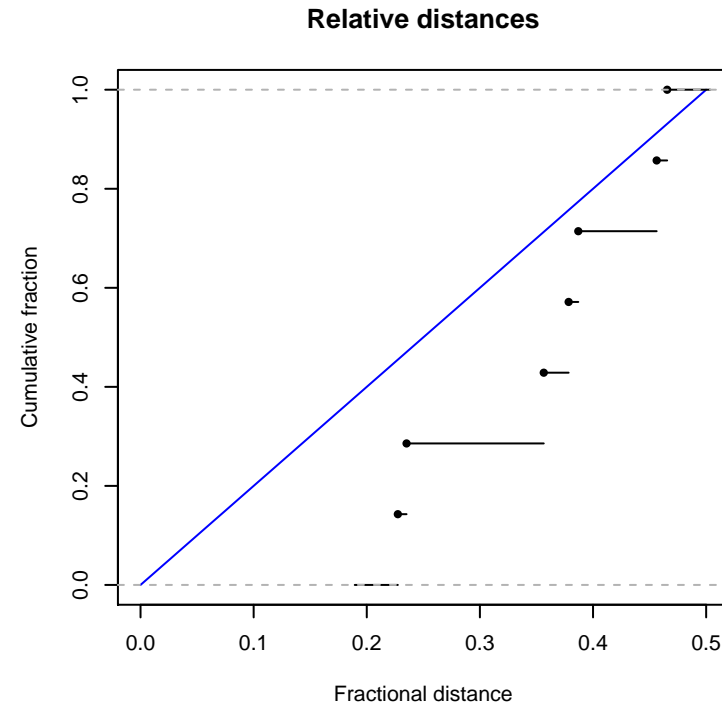
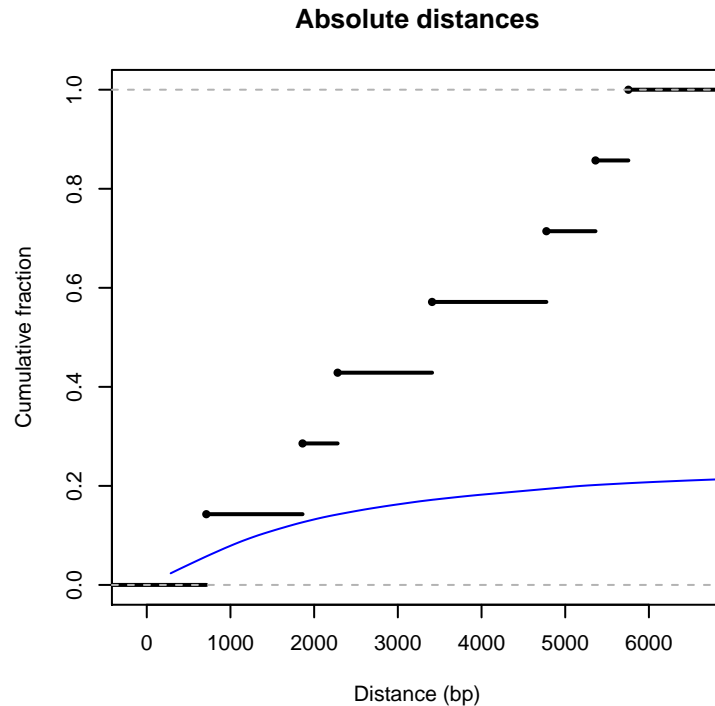
pcontig_046

Query population : 12
Reference population : 123
Relative Ks p-value : 0.0351184
Relative ecdf deviation area : 0.0876873
Relative ecdf area correlation : -0.334818
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 : 0.17
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.474316
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



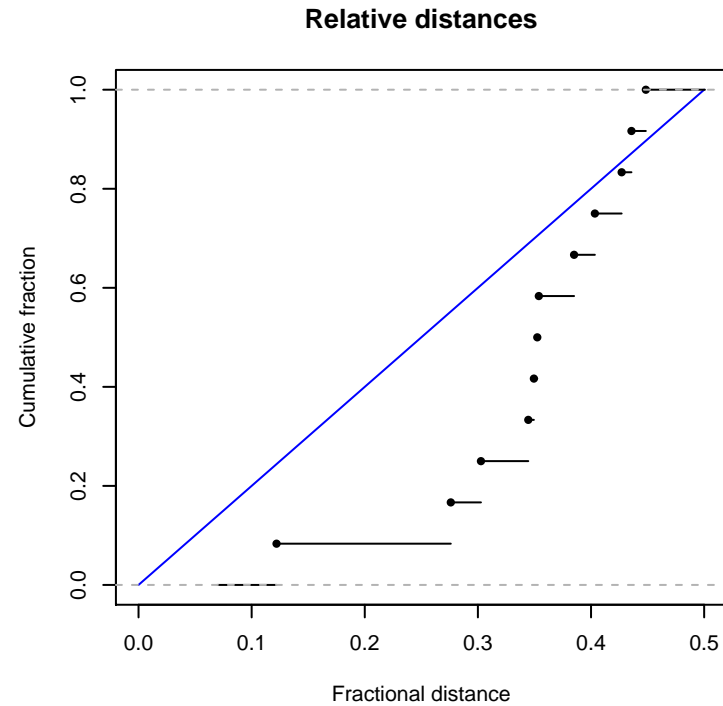
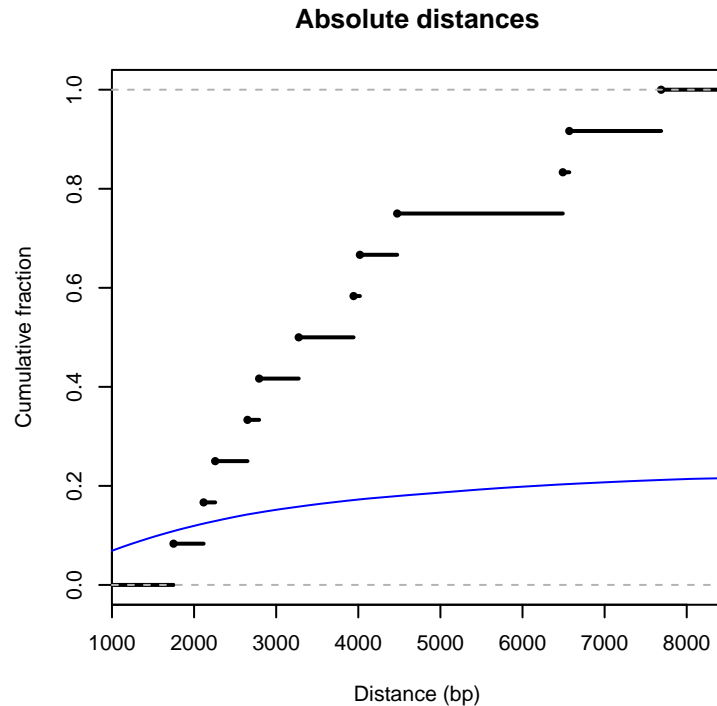
pcontig_047

Query population : 7
Reference population : 126
Relative Ks p-value : 0.0767422
Relative ecdf deviation area : 0.110131
Relative ecdf area correlation : -0.432165
Relative ecdf deviation area p-value : 0.02
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 : 0.405185
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



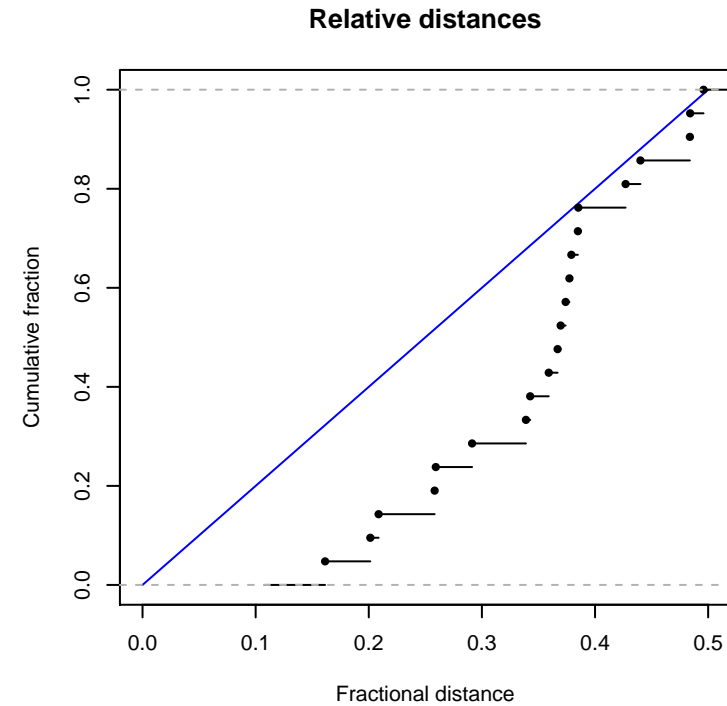
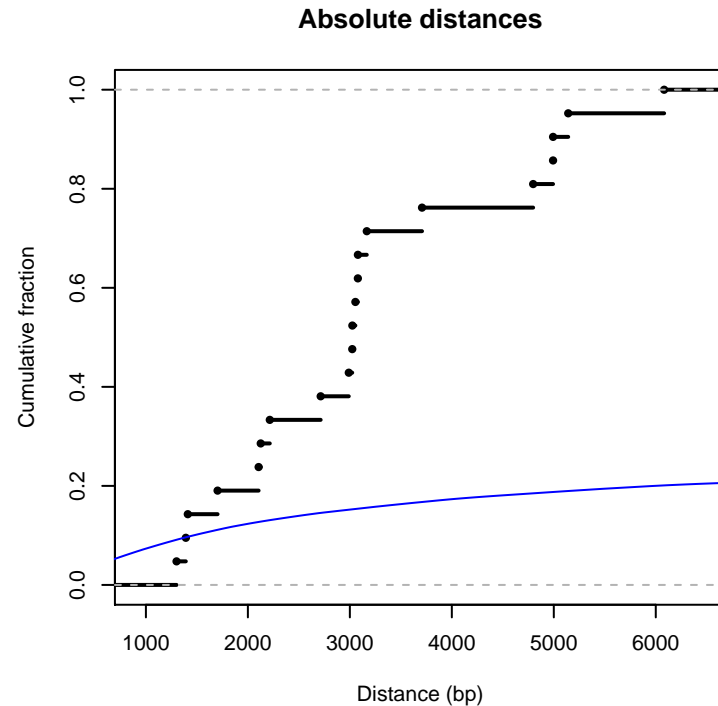
pcontig_048

Query population : 12
Reference population : 113
Relative Ks p-value : 0.00613808
Relative ecdf deviation area : 0.106161
Relative ecdf area correlation : -0.400249
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 : 0.23
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.483746
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



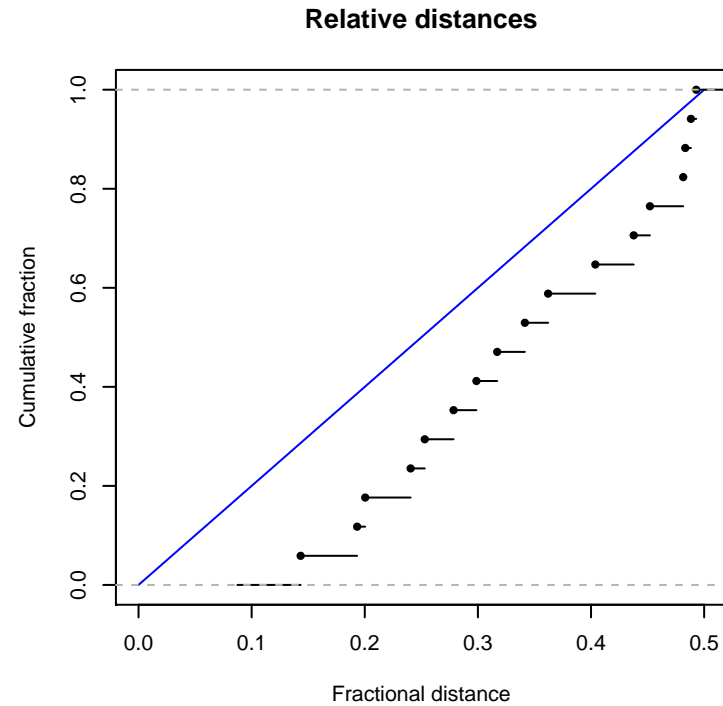
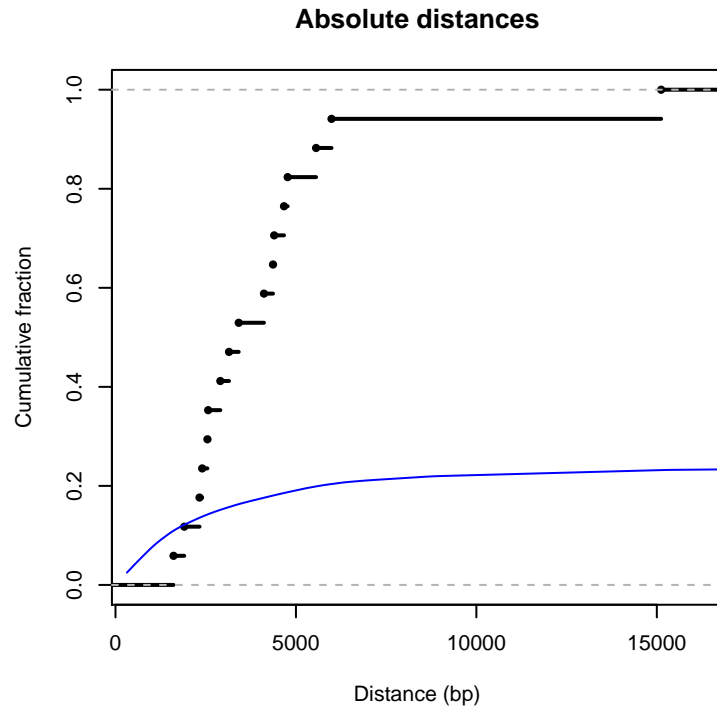
pcontig_049

Query population : 21
Reference population : 118
Relative Ks p-value : 0.00202096
Relative ecdf deviation area : 0.101886
Relative ecdf area correlation : -0.407438
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.09
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.252394
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



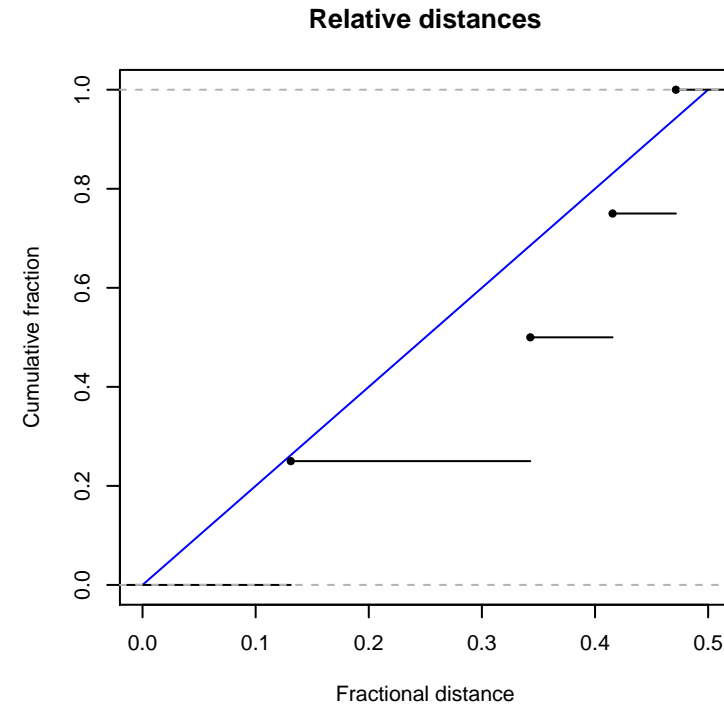
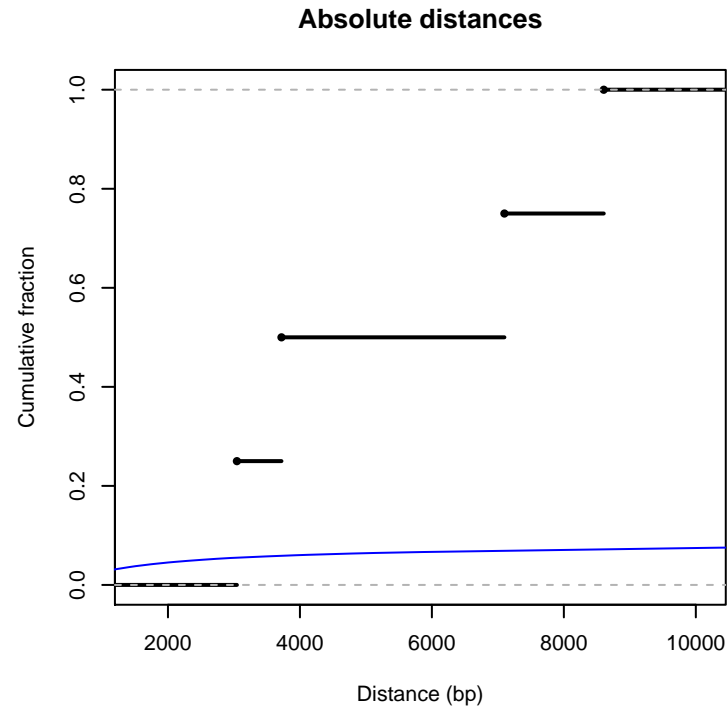
pcontig_050

Query population : 17
Reference population : 120
Relative Ks p-value : 0.0398038
Relative ecdf deviation area : 0.0955194
Relative ecdf area correlation : -0.380704
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.12
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.355622
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



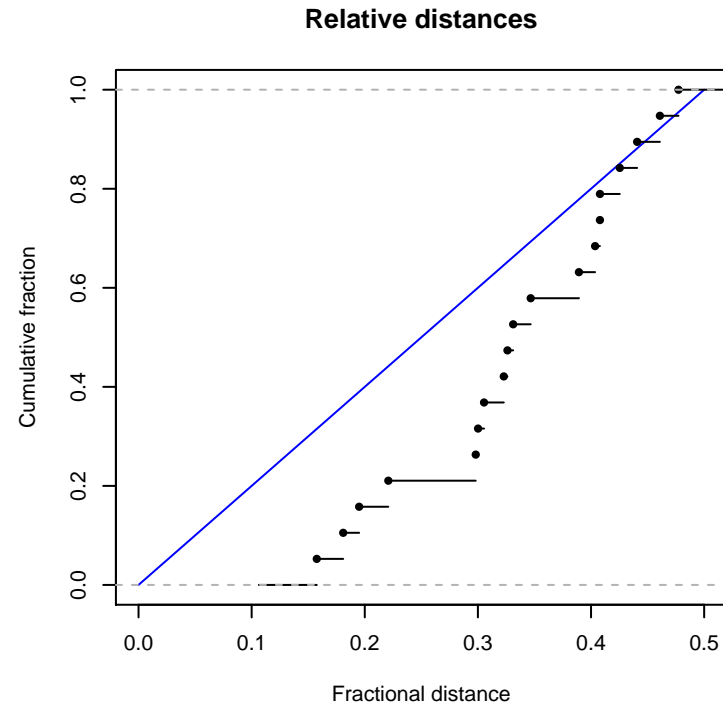
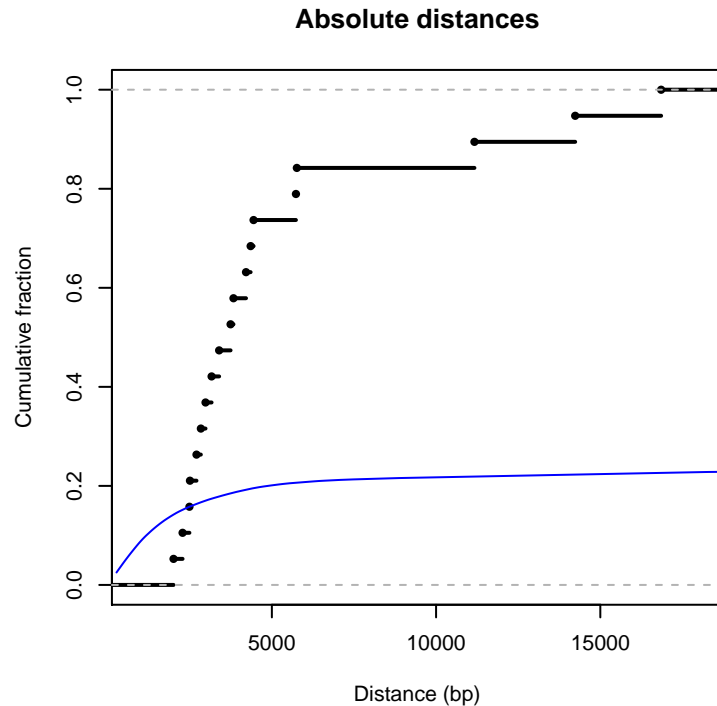
pcontig_051

Query population : 4
Reference population : 44
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 : 0.21
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0717866
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



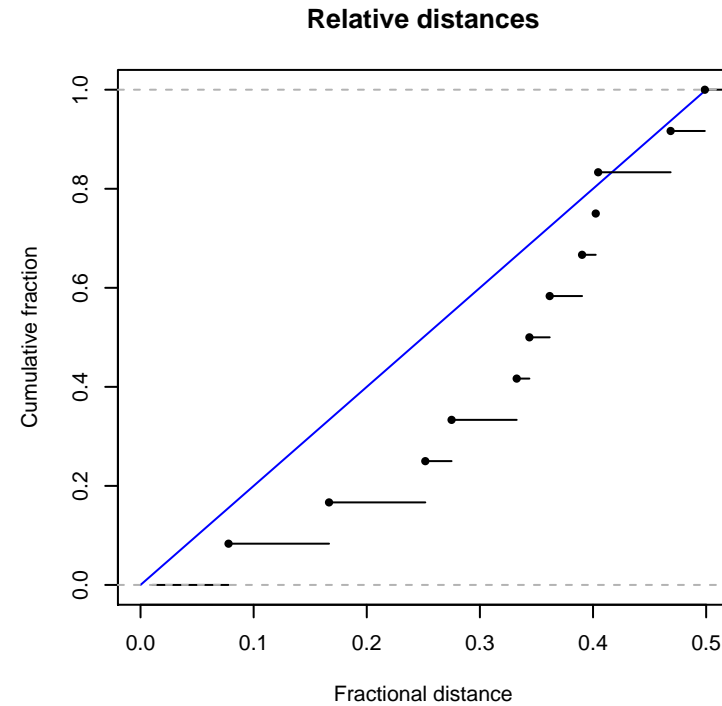
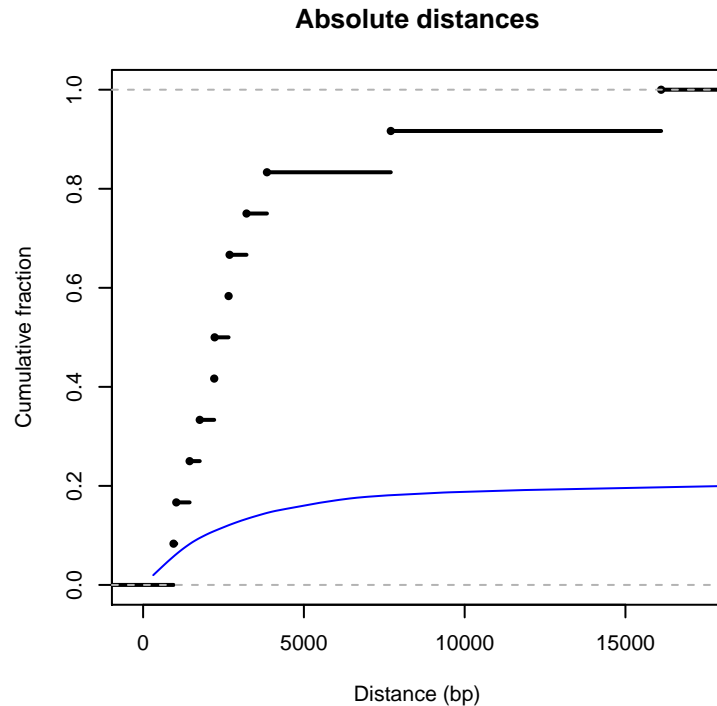
pcontig_052

Query population : 19
Reference population : 143
Relative Ks p-value : 0.00471436
Relative ecdf deviation area : 0.0880794
Relative ecdf area correlation : -0.34692
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 : 0.06
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.267635
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0



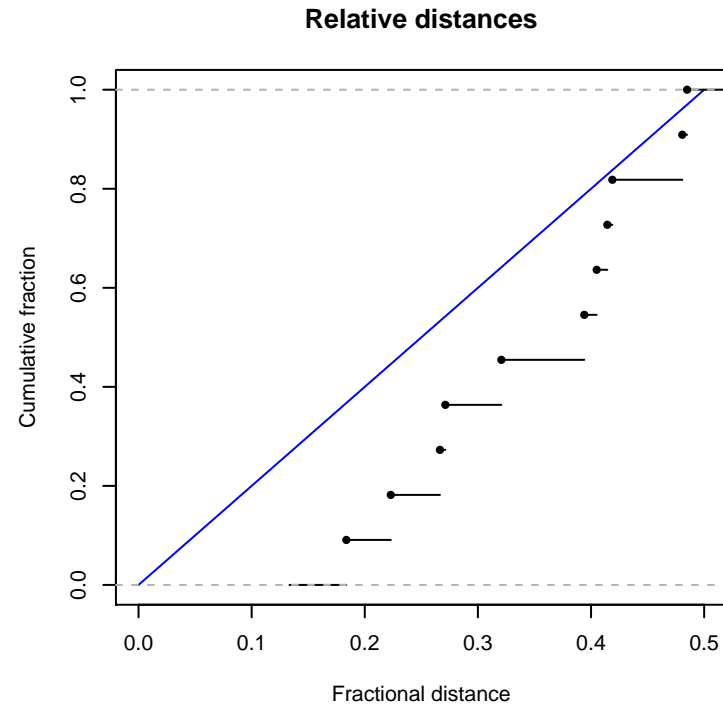
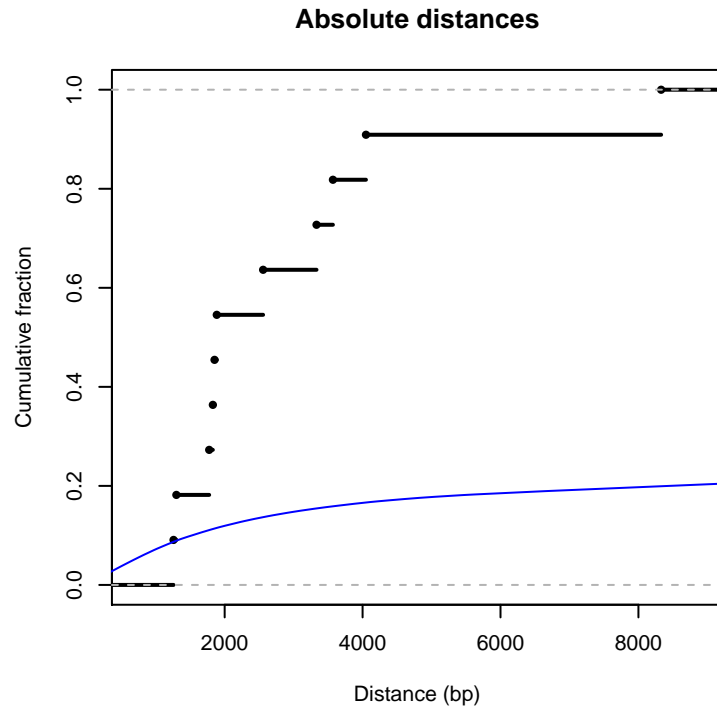
pcontig_054

Query population : 12
Reference population : 96
Relative Ks p-value : 0.102405
Relative ecdf deviation area : 0.0820616
Relative ecdf area correlation : -0.324597
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 : 0.32
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.41983
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



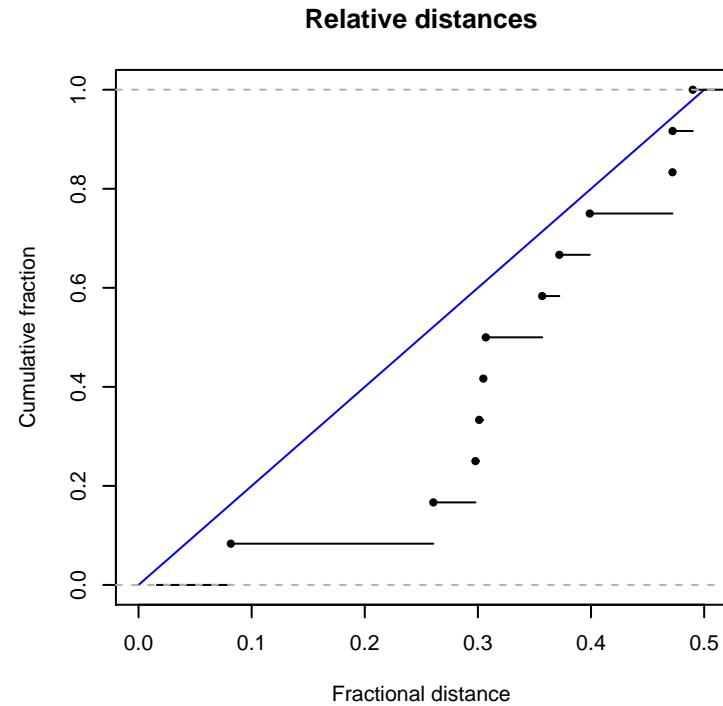
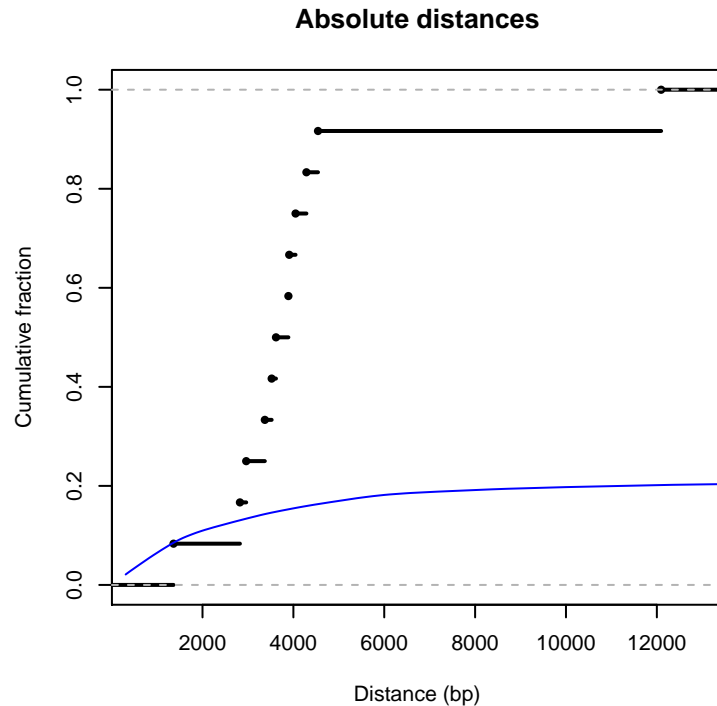
pcontig_055

Query population : 11
Reference population : 117
Relative Ks p-value : 0.07736
Relative ecdf deviation area : 0.101521
Relative ecdf area correlation : -0.404735
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 : 0.21
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.49037
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



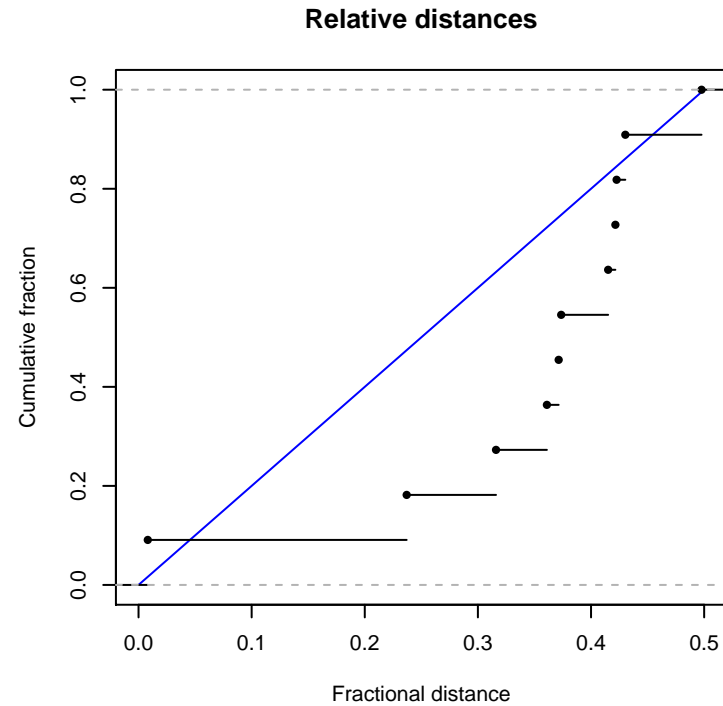
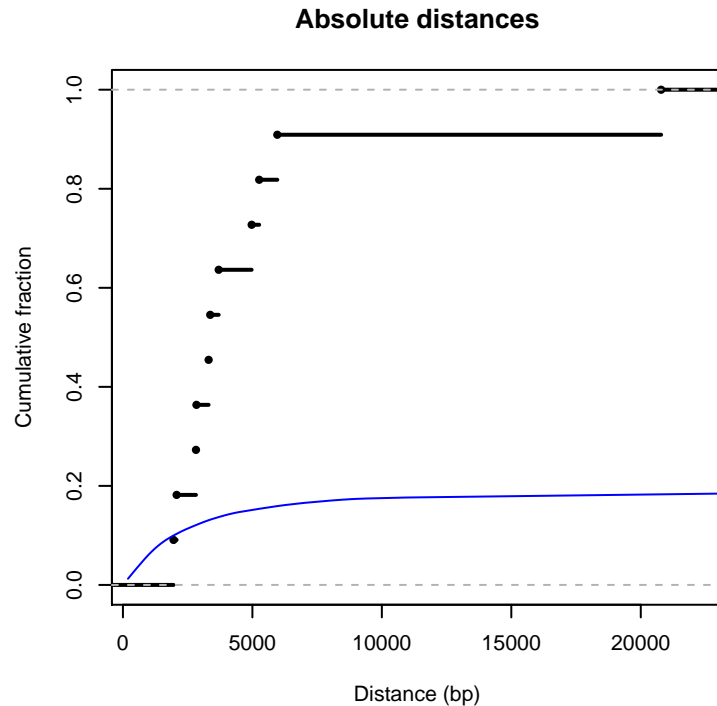
pcontig_056

Query population : 12
Reference population : 105
Relative Ks p-value : 0.0130537
Relative ecdf deviation area : 0.0926682
Relative ecdf area correlation : -0.371547
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 : 0.22
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.442124
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



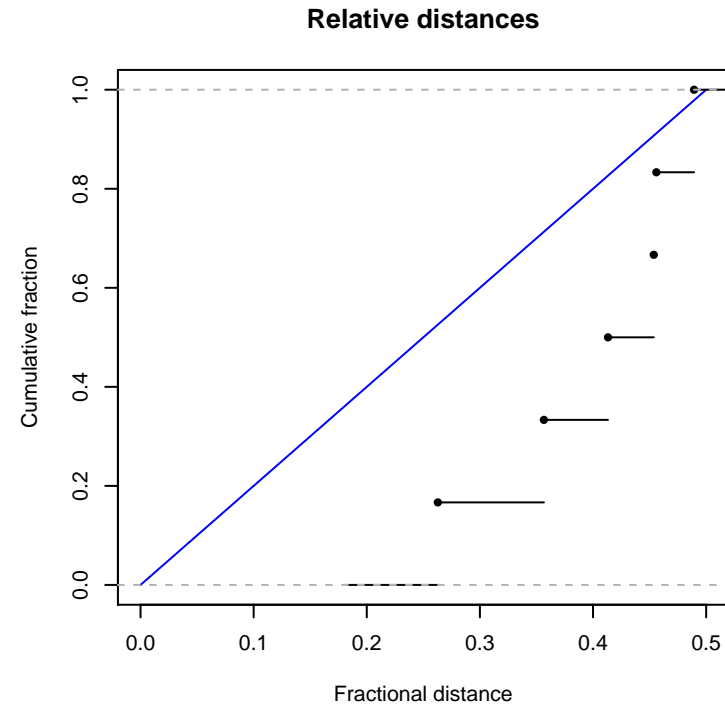
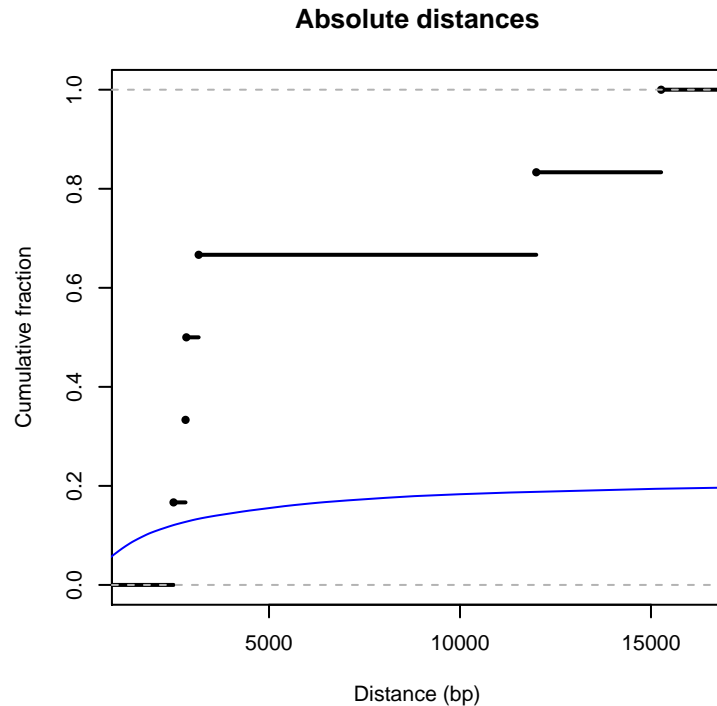
pcontig_057

Query population : 11
Reference population : 98
Relative Ks p-value : 0.014894
Relative ecdf deviation area : 0.104329
Relative ecdf area correlation : -0.401656
Relative ecdf deviation 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 : 0.430093
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



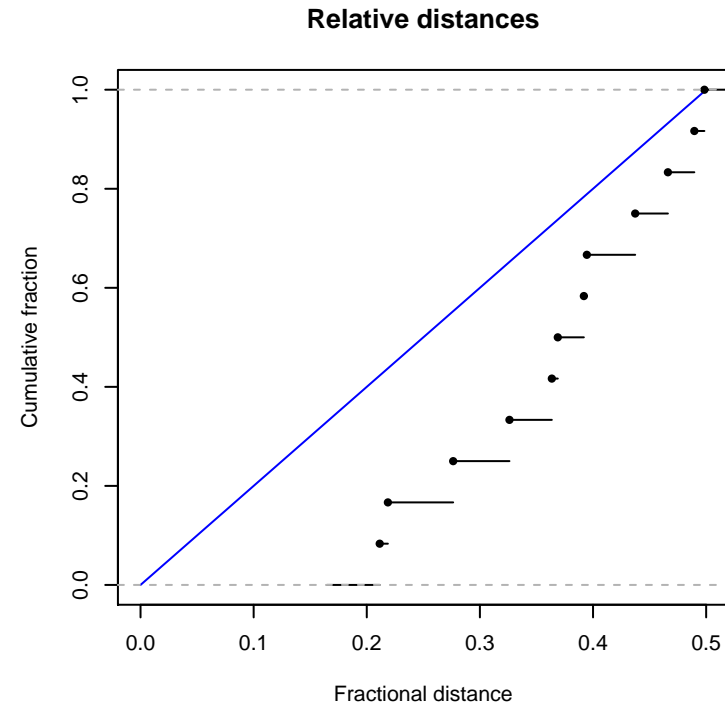
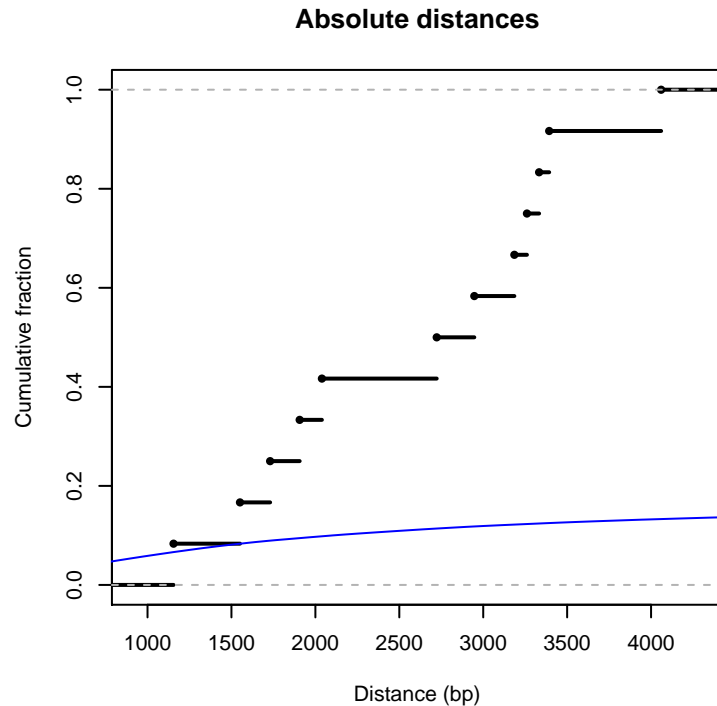
pcontig_058

Query population : 6
Reference population : 104
Relative Ks p-value : 0.033169
Relative ecdf deviation area : 0.155524
Relative ecdf area correlation : -0.621019
Relative ecdf deviation 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 : 0.276889
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



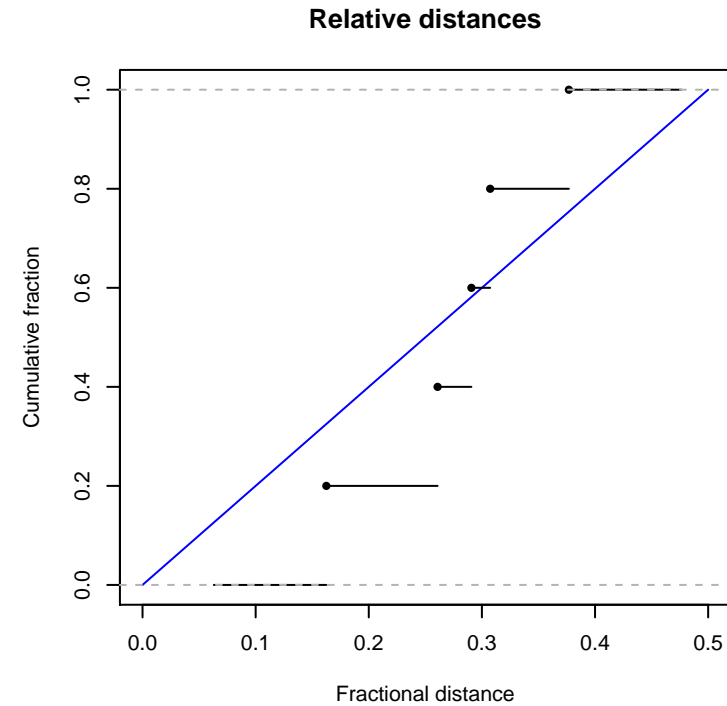
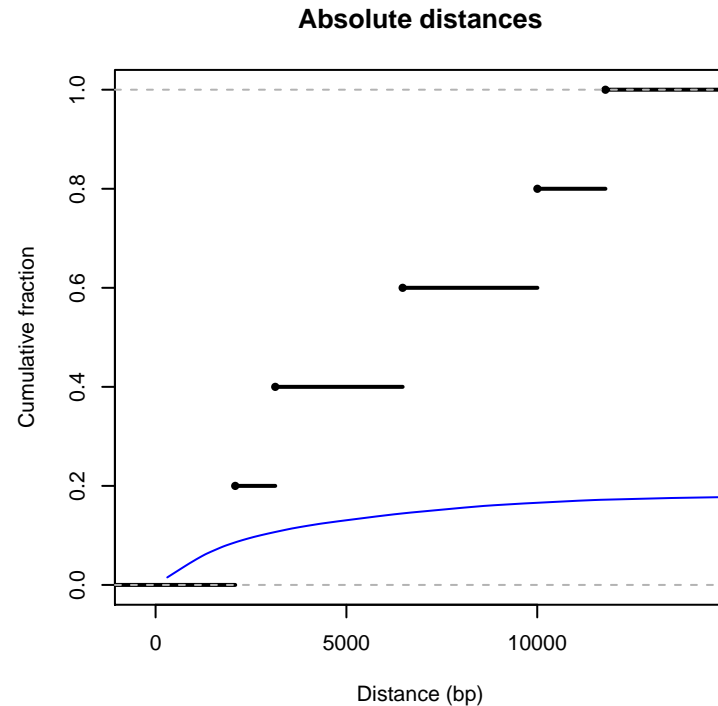
pcontig_059

Query population : 12
Reference population : 95
Relative Ks p-value : 0.0184234
Relative ecdf deviation area : 0.119749
Relative ecdf area correlation : -0.481002
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.28
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.459002
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



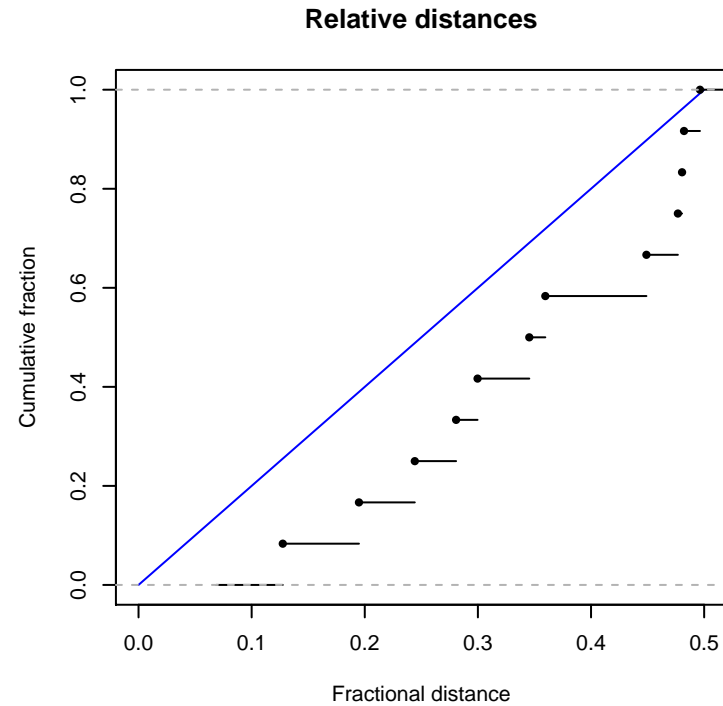
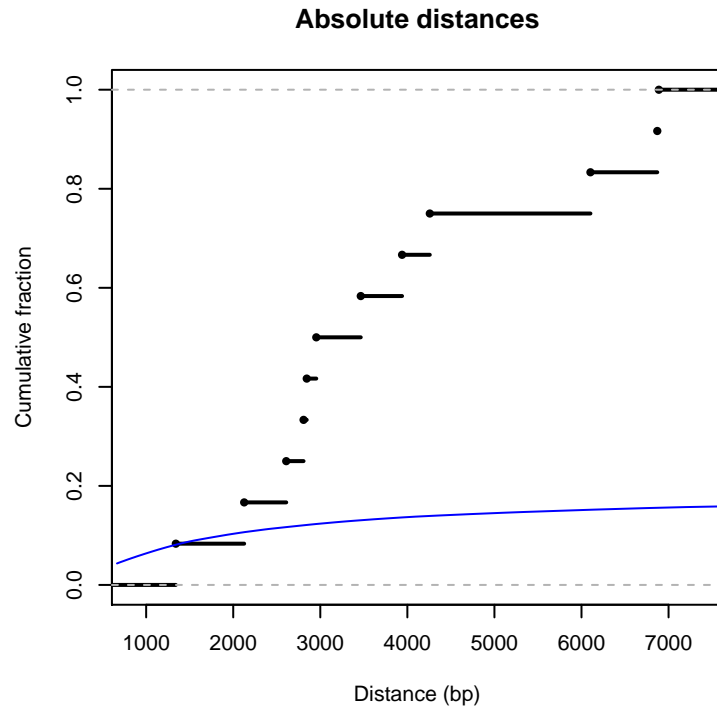
pcontig_060

Query population : 5
Reference population : 76
Relative Ks p-value : 0.565491
Relative ecdf deviation area : 0.076287
Relative ecdf area correlation : -0.118601
Relative ecdf deviation area p-value : 0.37
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 : 0.21372
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



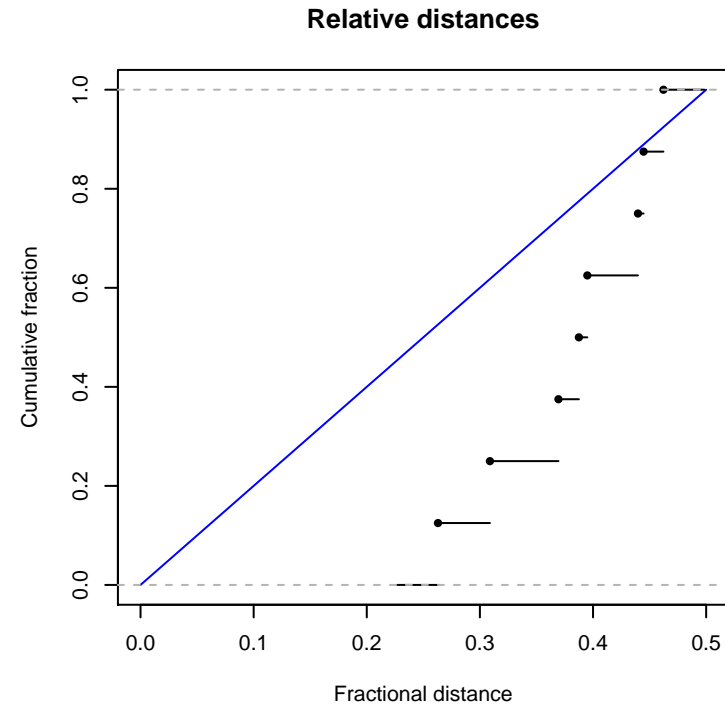
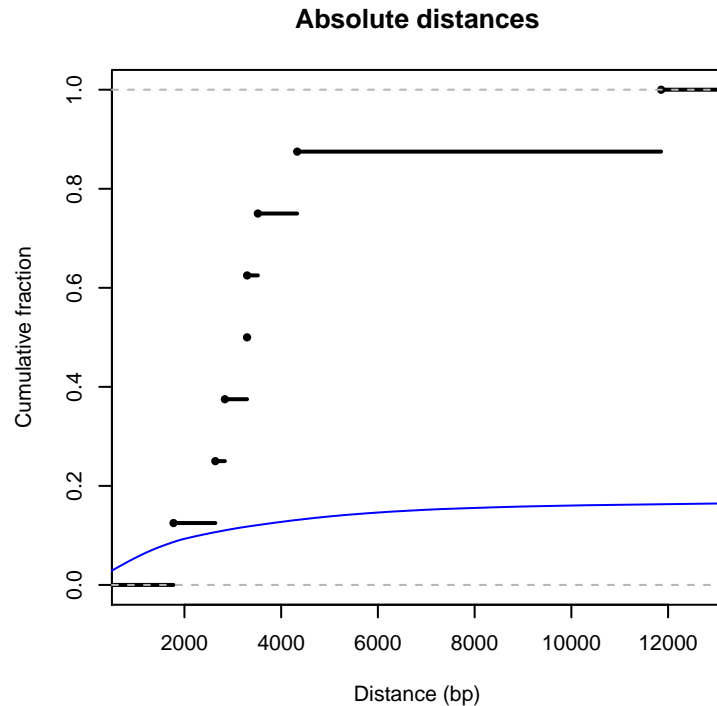
pcontig_062

Query population : 12
Reference population : 100
Relative Ks p-value : 0.132267
Relative ecdf deviation area : 0.103302
Relative ecdf area correlation : -0.412268
Relative ecdf deviation 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 : 0.463718
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



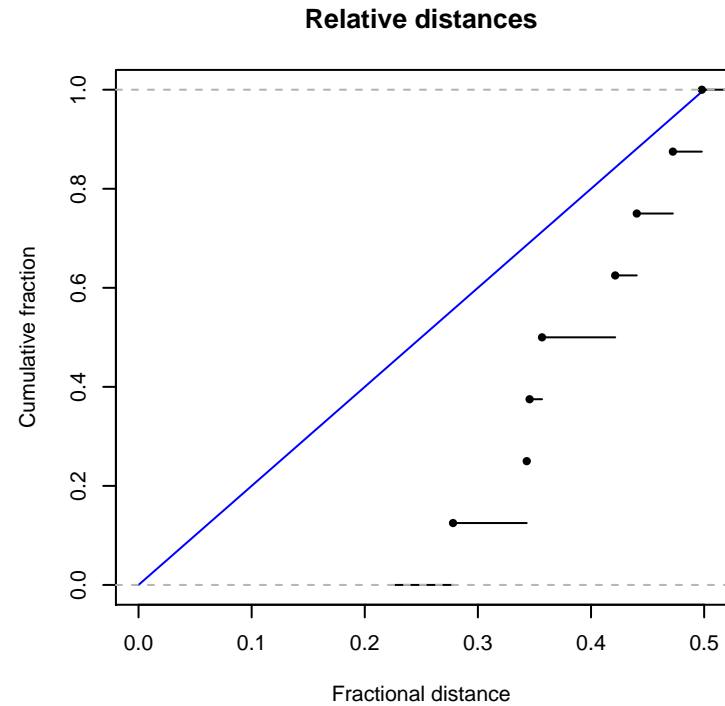
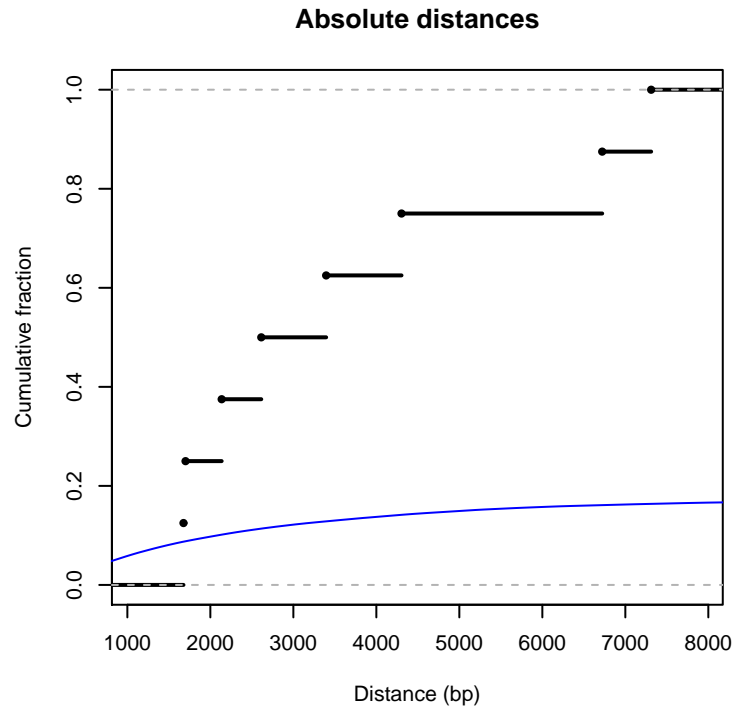
pcontig_064

Query population : 8
Reference population : 89
Relative Ks p-value : 0.0137687
Relative ecdf deviation area : 0.136694
Relative ecdf area correlation : -0.5352
Relative ecdf deviation area p-value : 0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.42
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.300944
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



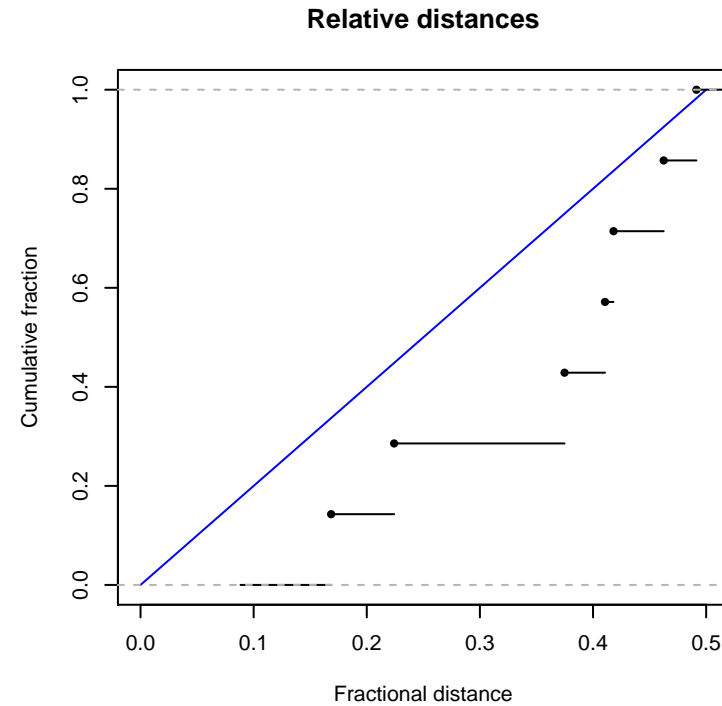
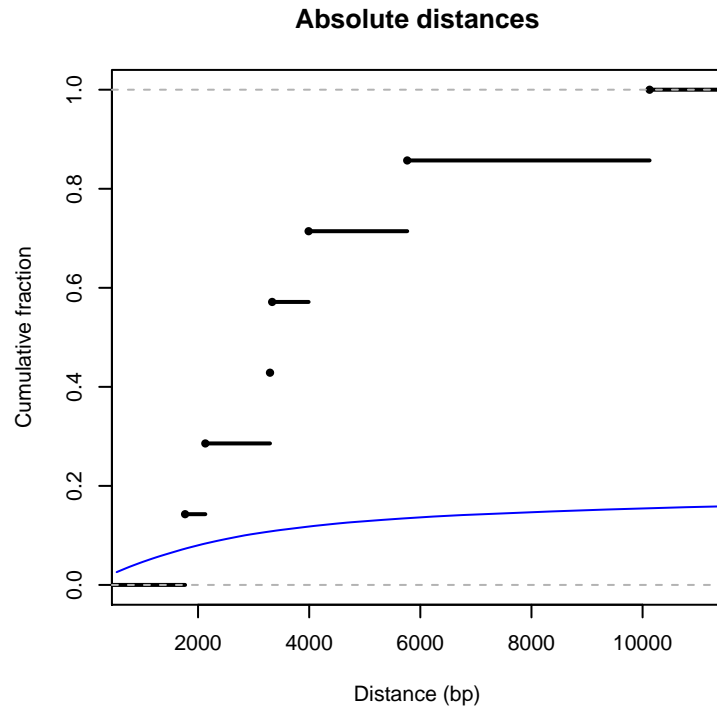
pcontig_065

Query population : 8
Reference population : 95
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 : 0.38
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.309962
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



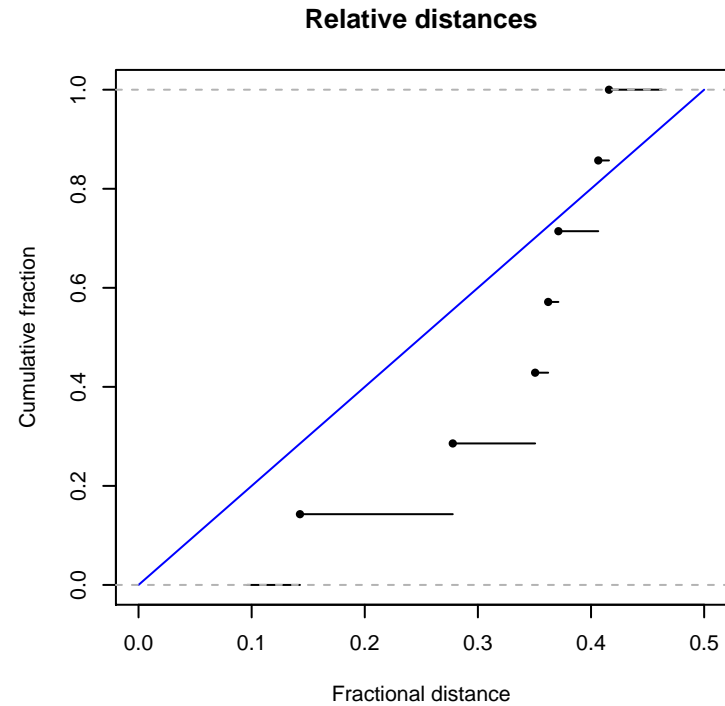
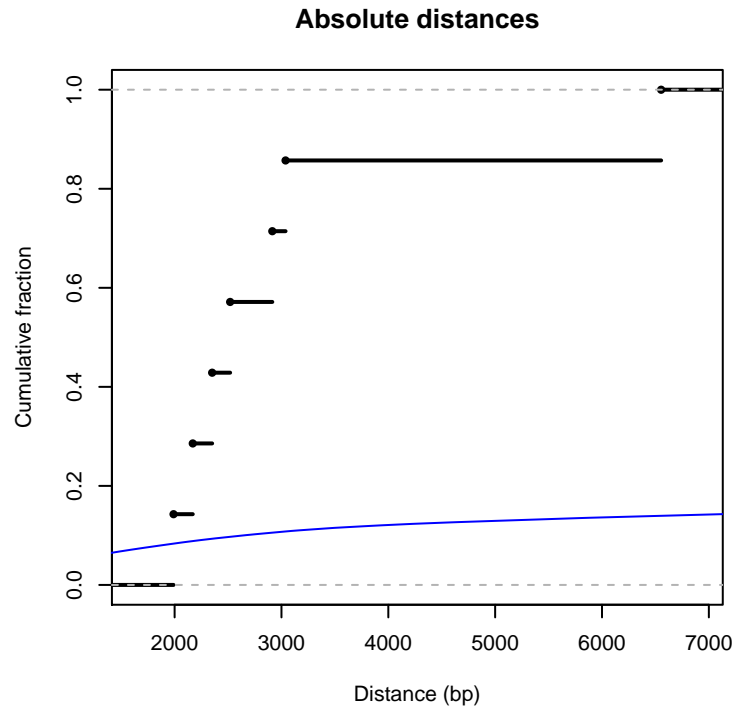
pcontig_066

Query population : 7
Reference population : 74
Relative Ks p-value : 0.0672899
Relative ecdf deviation area : 0.114727
Relative ecdf area correlation : -0.457189
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 : 0.48
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.196301
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



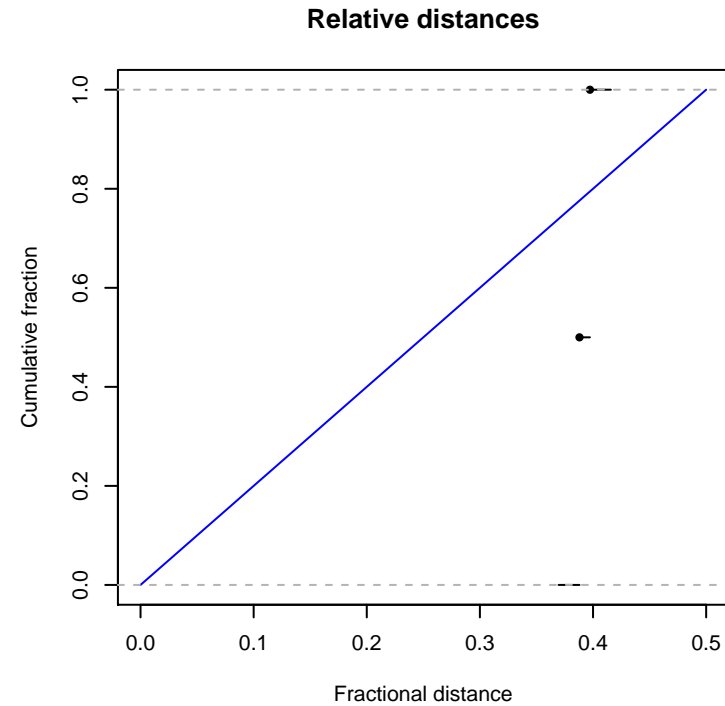
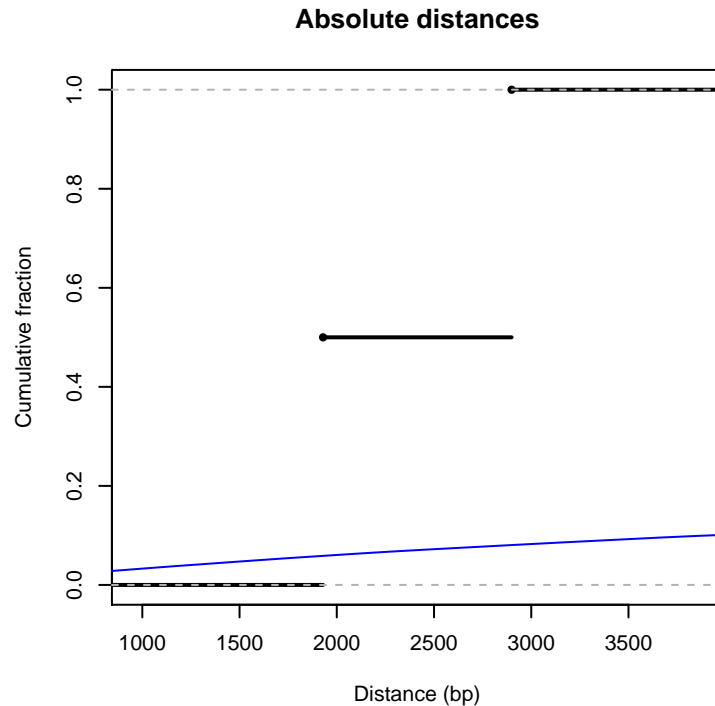
pcontig_067

Query population : 7
Reference population : 78
Relative Ks p-value : 0.131253
Relative ecdf deviation area : 0.0976
Relative ecdf area correlation : -0.329536
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 : 0.46
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.233124
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



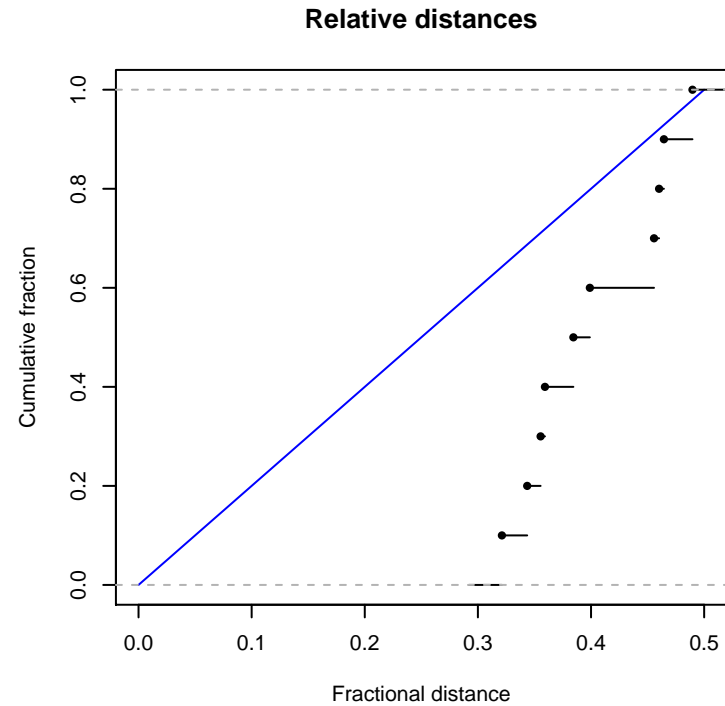
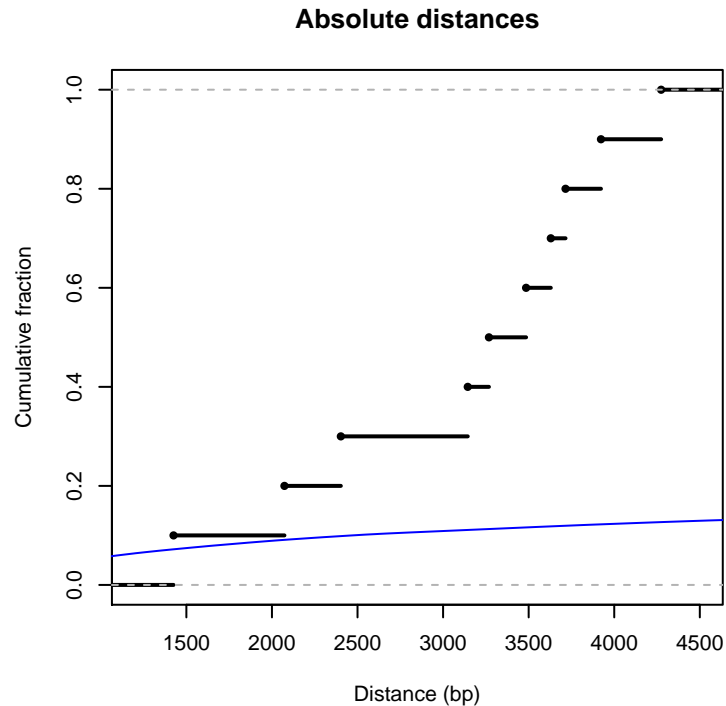
pcontig_068

Query population : 2
Reference population : 53
Relative Ks p-value : 0.100291
Relative ecdf deviation area : 0.163234
Relative ecdf area correlation : -0.570641
Relative ecdf deviation area p-value : 0.18
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 : 0.039315
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



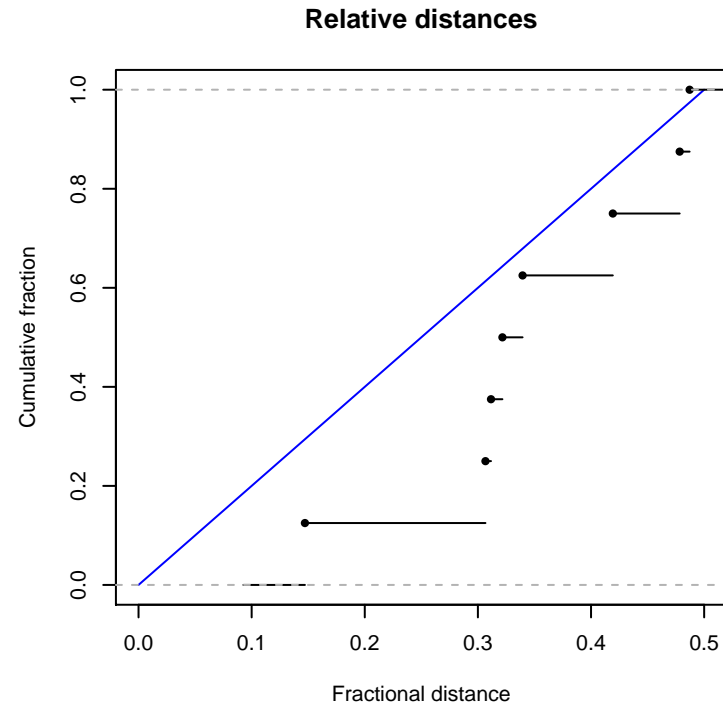
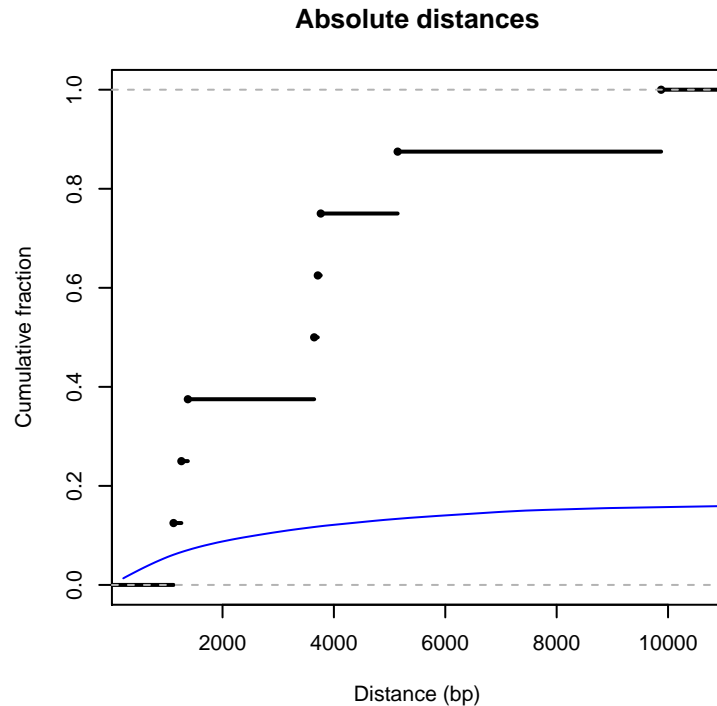
pcontig_069

Query population : 10
Reference population : 91
Relative Ks p-value : 0.000151129
Relative ecdf deviation area : 0.153479
Relative ecdf area correlation : -0.613142
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.36
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.356284
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_070

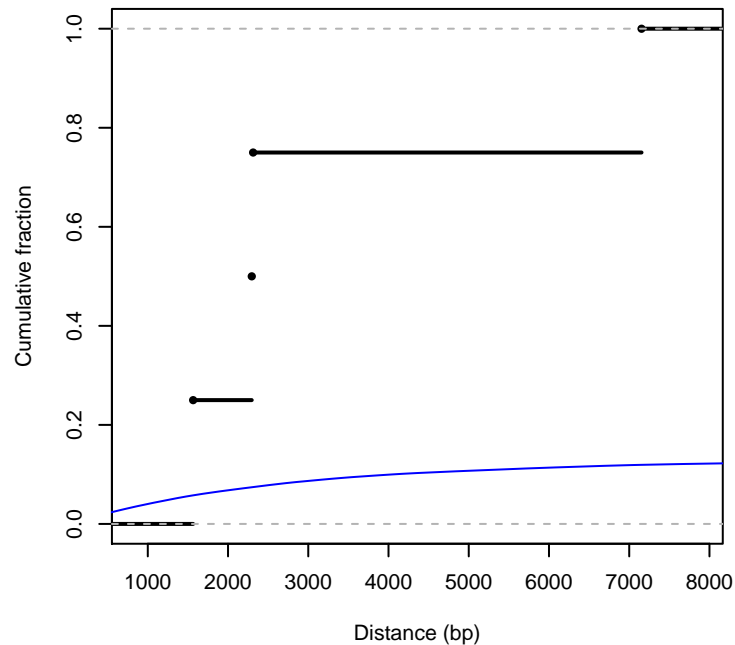
Query population : 8
Reference population : 94
Relative Ks p-value : 0.0279121
Relative ecdf deviation area : 0.102001
Relative ecdf area correlation : -0.405658
Relative ecdf deviation area p-value : 0.03
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.47
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.250546
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



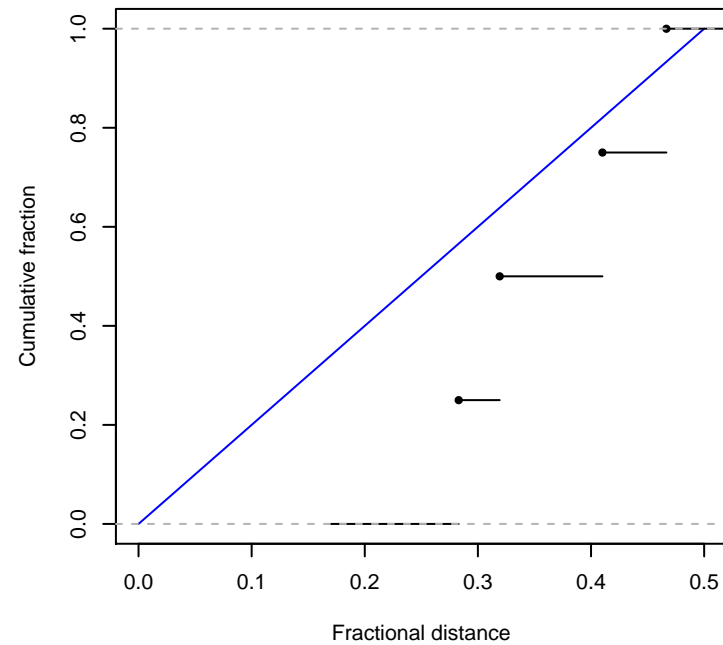
pcontig_072

Query population : 4
Reference population : 68
Relative Ks p-value : 0.0991303
Relative ecdf deviation area : 0.121646
Relative ecdf area correlation : -0.478999
Relative ecdf deviation area p-value : 0.13
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 : 0.113154
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

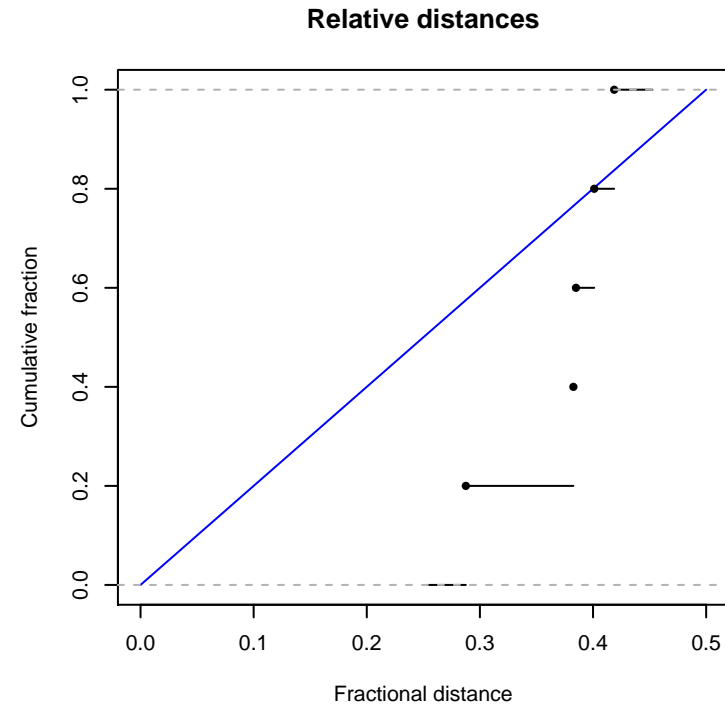
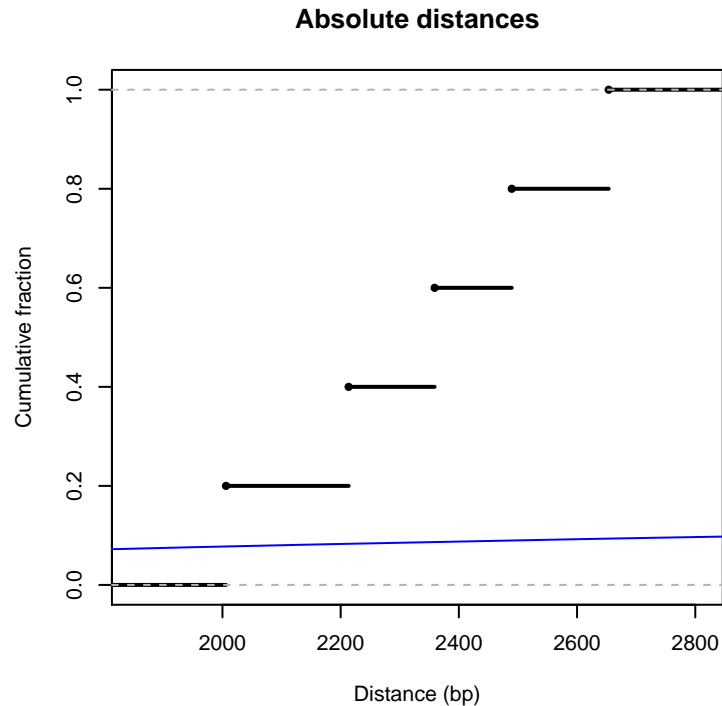


Relative distances



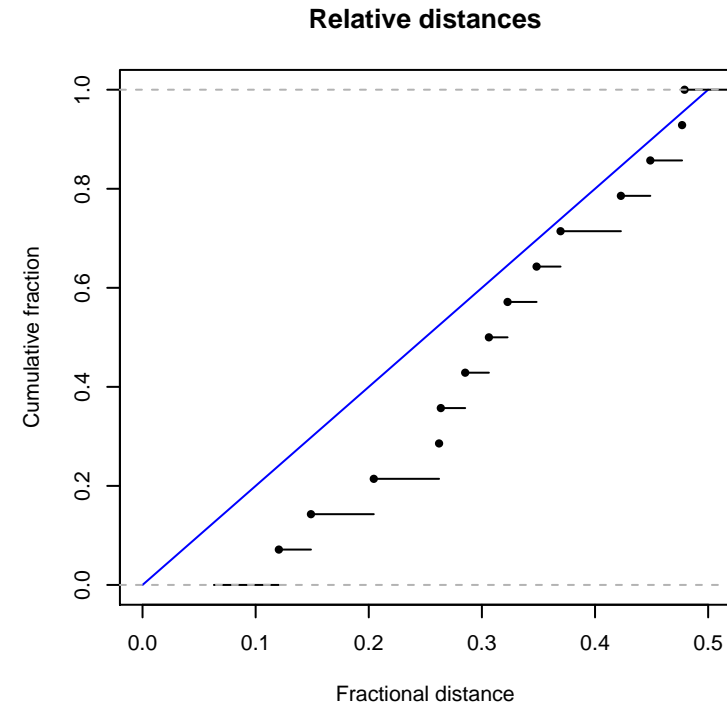
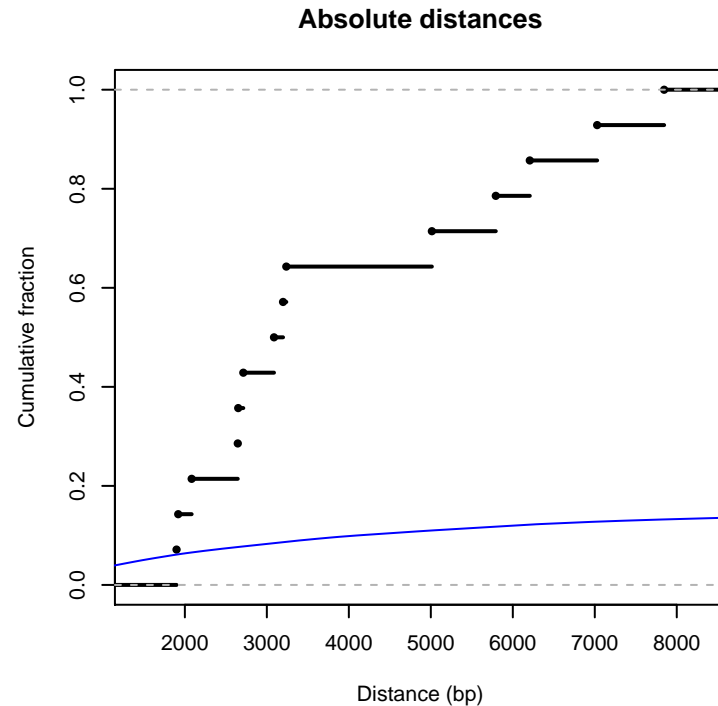
pcontig_073

Query population : 5
Reference population : 73
Relative Ks p-value : 0.0425684
Relative ecdf deviation area : 0.138251
Relative ecdf area correlation : -0.499913
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 : 0.3
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.154982
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



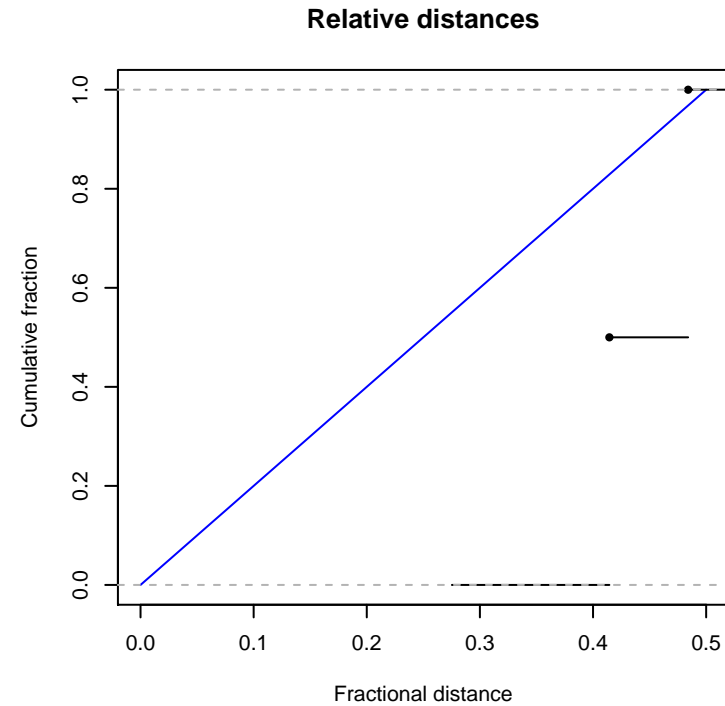
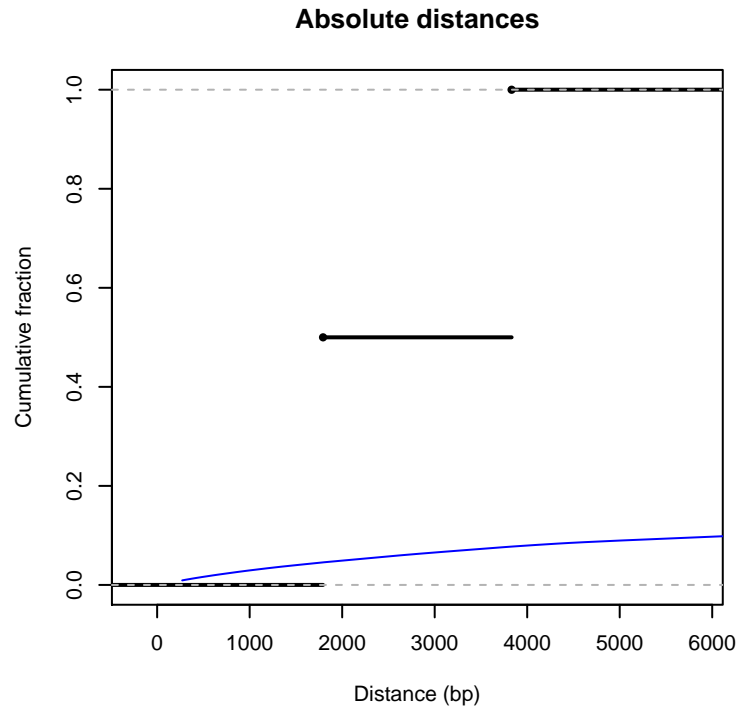
pcontig_074

Query population : 14
Reference population : 54
Relative Ks p-value : 0.108183
Relative ecdf deviation area : 0.0691805
Relative ecdf area correlation : -0.274131
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 : 0.4
Jaccard Measure lower tail : TRUE
Projection test p-value : 0.311645
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



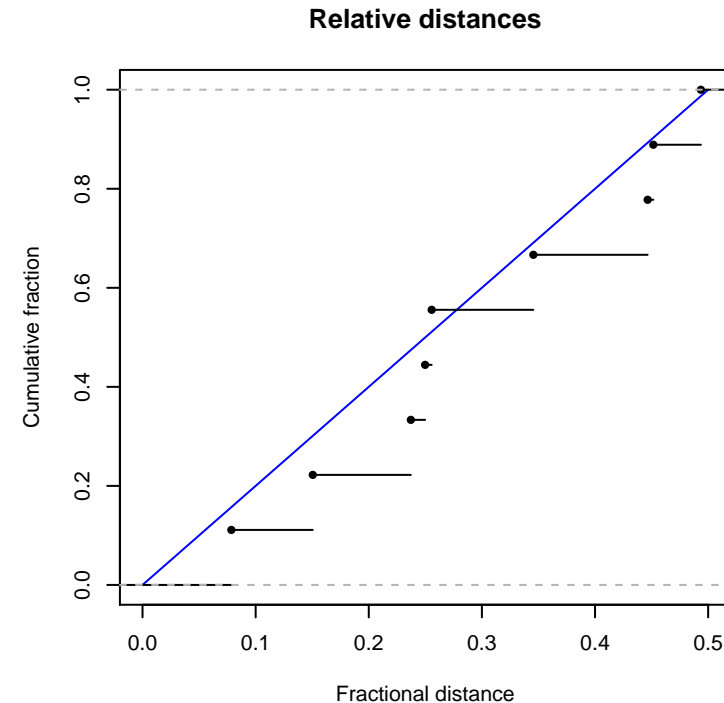
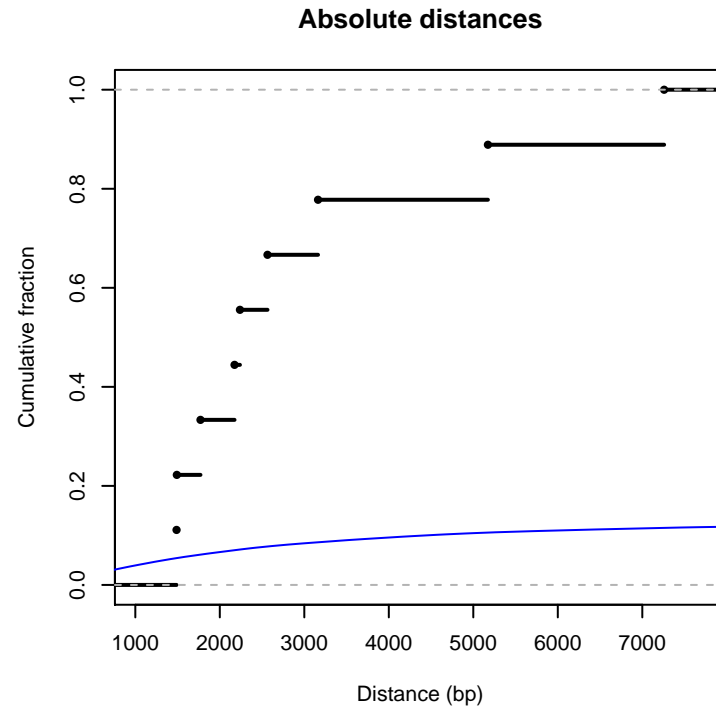
pcontig_075

Query population : 2
Reference population : 52
Relative Ks p-value : 0.0585331
Relative ecdf deviation area : 0.199556
Relative ecdf area correlation : -0.797076
Relative ecdf deviation area p-value : 0.06000000000000001
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0288697
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



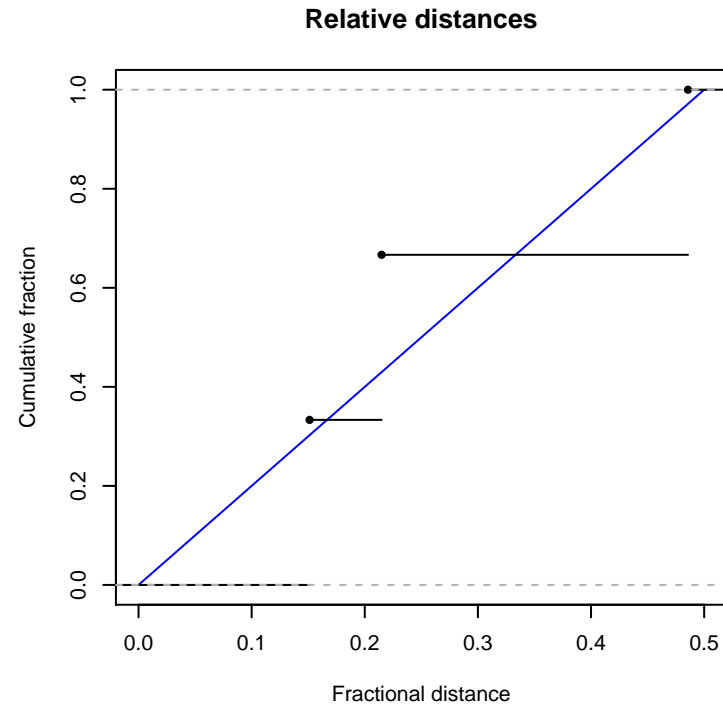
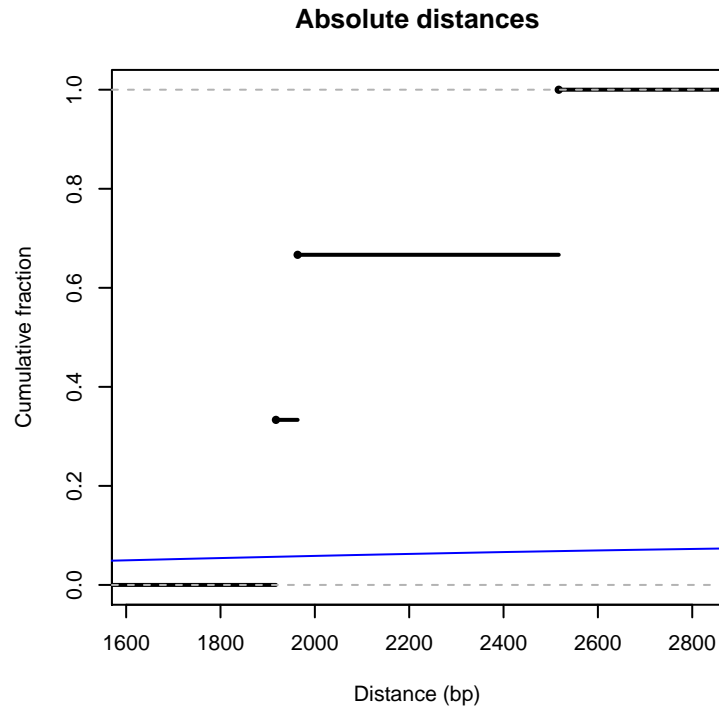
pcontig_077

Query population : 9
Reference population : 67
Relative Ks p-value : 0.536296
Relative ecdf deviation area : 0.0521497
Relative ecdf area correlation : -0.203878
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 : 0.4
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.265421
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



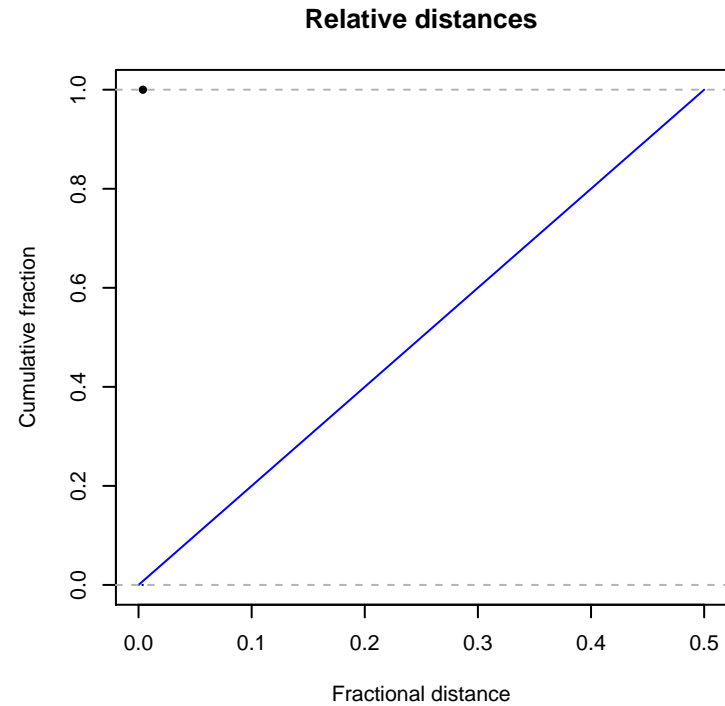
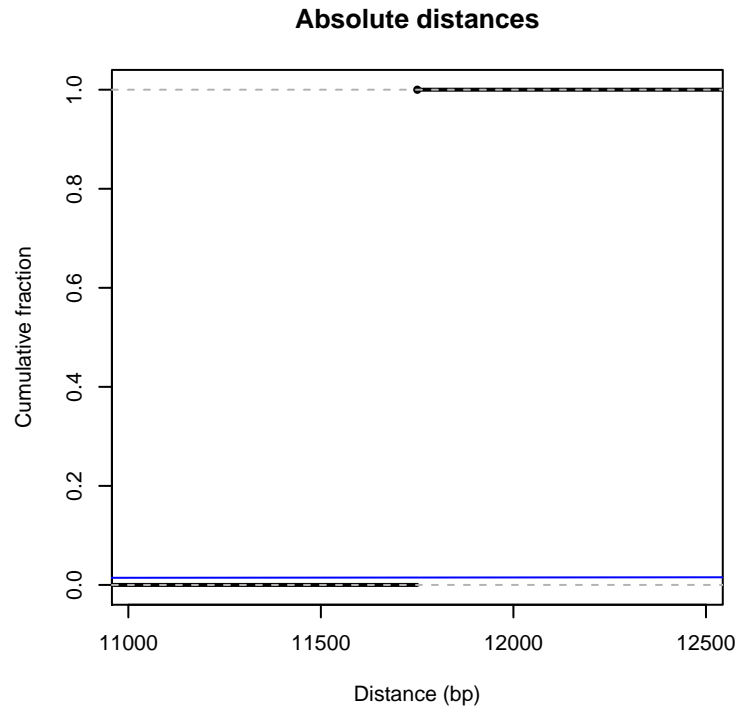
pcontig_078

Query population : 3
Reference population : 53
Relative Ks p-value : 0.873561
Relative ecdf deviation area : 0.0624474
Relative ecdf area correlation : -0.135705
Relative ecdf deviation area p-value : 0.78
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.13
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0684823
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_079

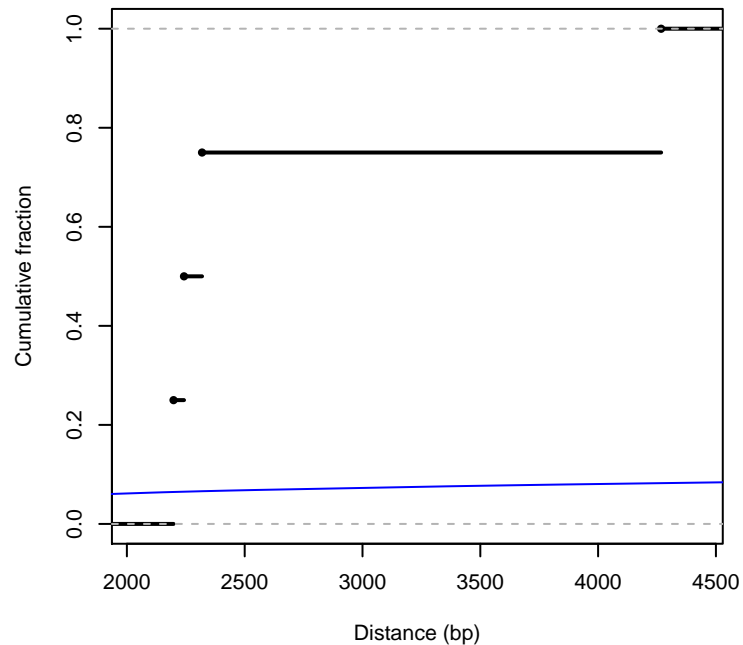
Query population : 1
Reference population : 6
Relative Ks p-value : 0.0154609
Relative ecdf deviation area : 0.246924
Relative ecdf area correlation : 0.984539
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : 0.02
Scaled Absolute min. lower tail : TRUE
Jaccard Measure 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



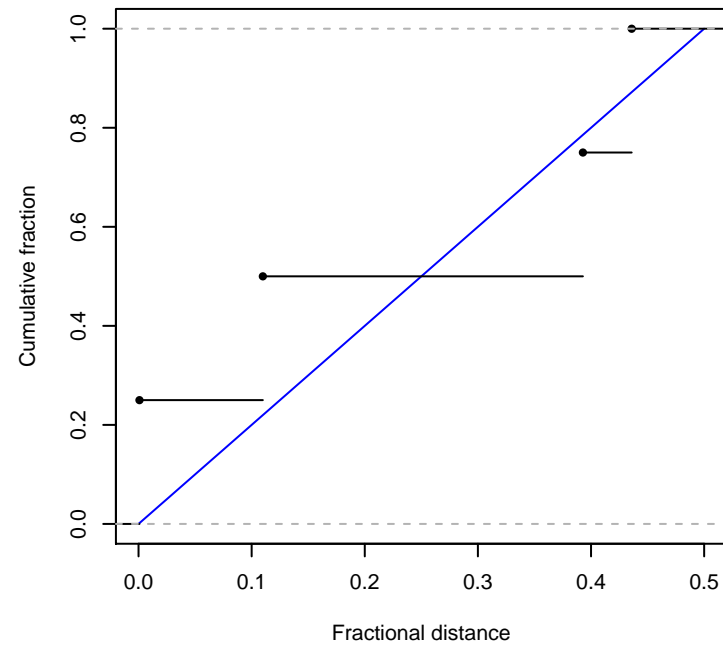
pcontig_080

Query population : 4
Reference population : 65
Relative Ks p-value : 0.813938
Relative ecdf deviation area : 0.0624134
Relative ecdf area correlation : 0.0605327
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 : 0.26
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.105333
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

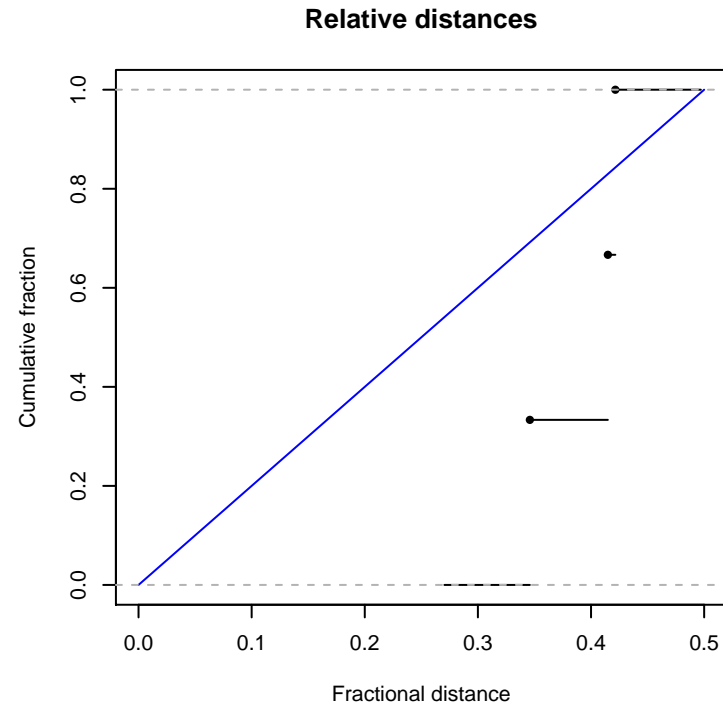
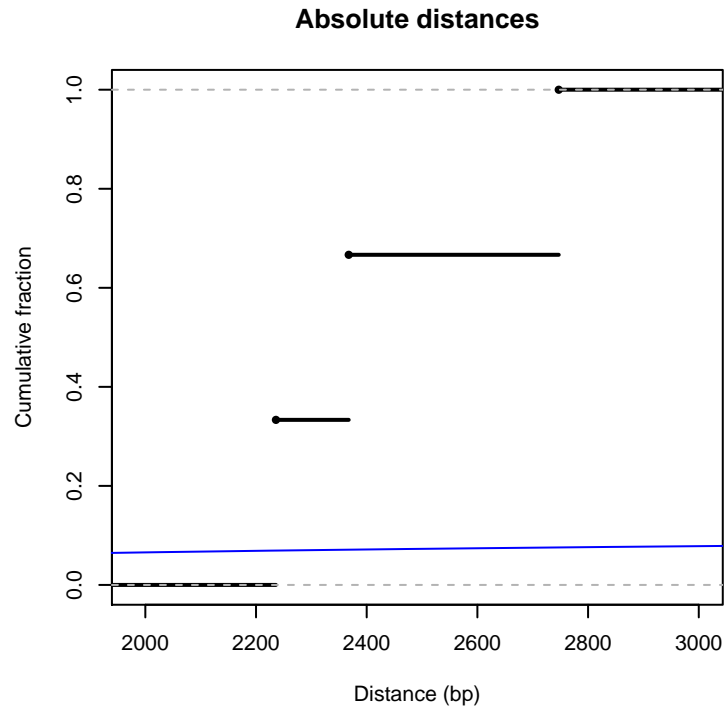


Relative distances



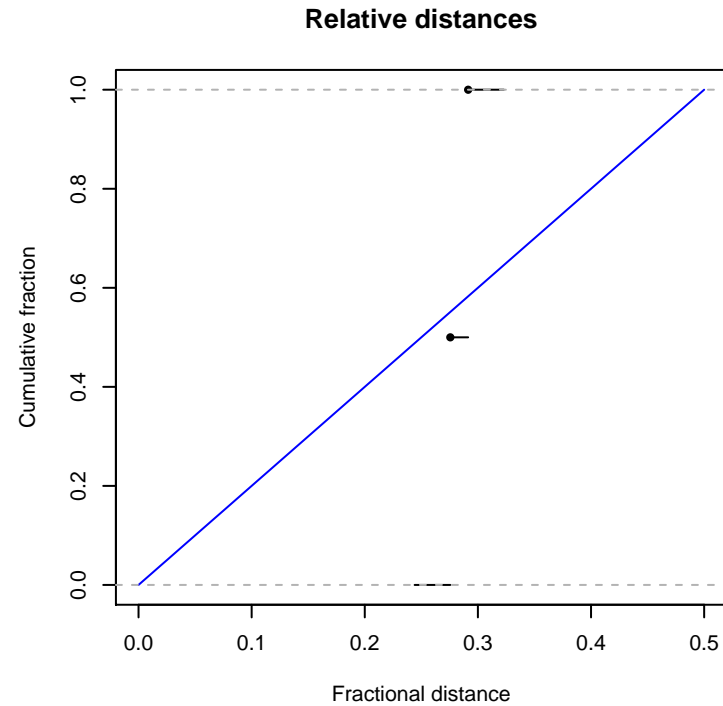
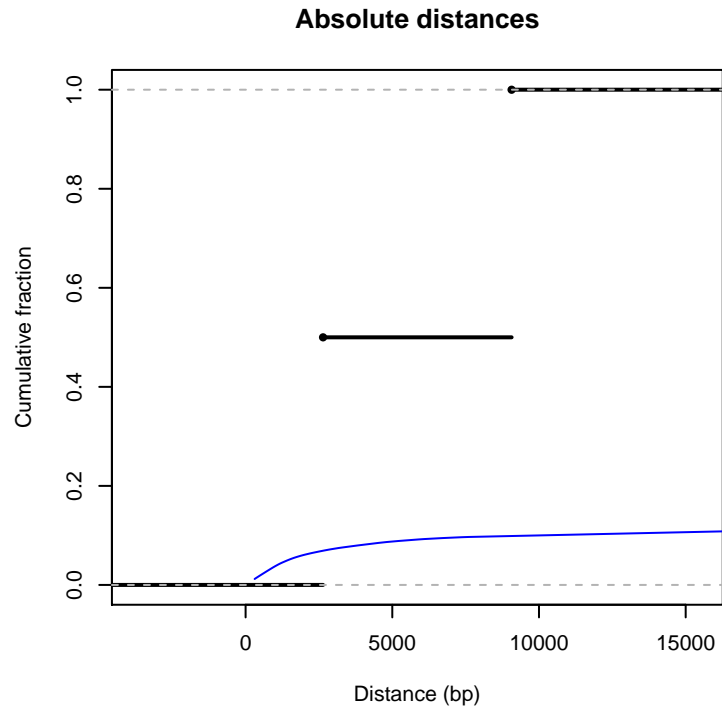
pcontig_081

Query population : 3
Reference population : 65
Relative Ks p-value : 0.0585016
Relative ecdf deviation area : 0.15632
Relative ecdf area correlation : -0.576444
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 : 0.25
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0836683
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



pcontig_082

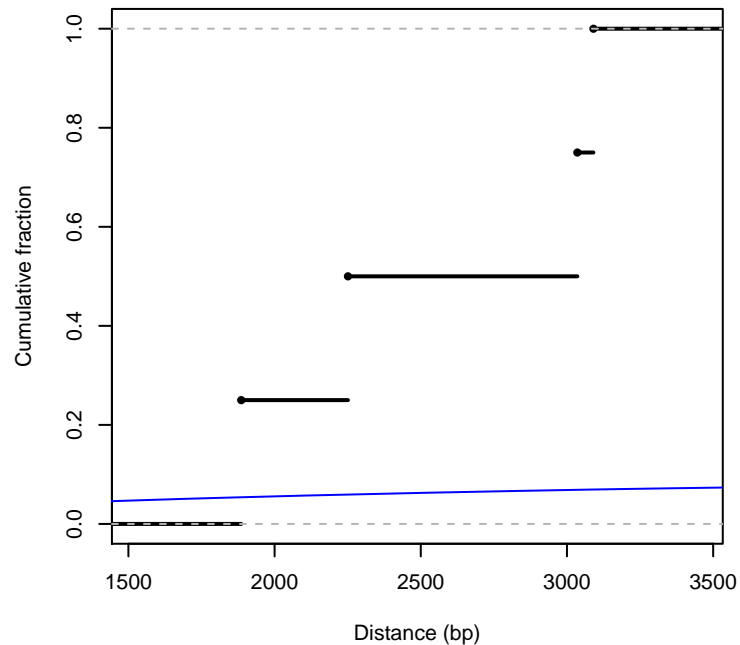
Query population : 2
Reference population : 60
Relative Ks p-value : 0.402824
Relative ecdf deviation area : 0.120488
Relative ecdf area correlation : -0.133974
Relative ecdf deviation area p-value : 0.47
Scaled Absolute min. distance p-value : 0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.15
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0507585
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



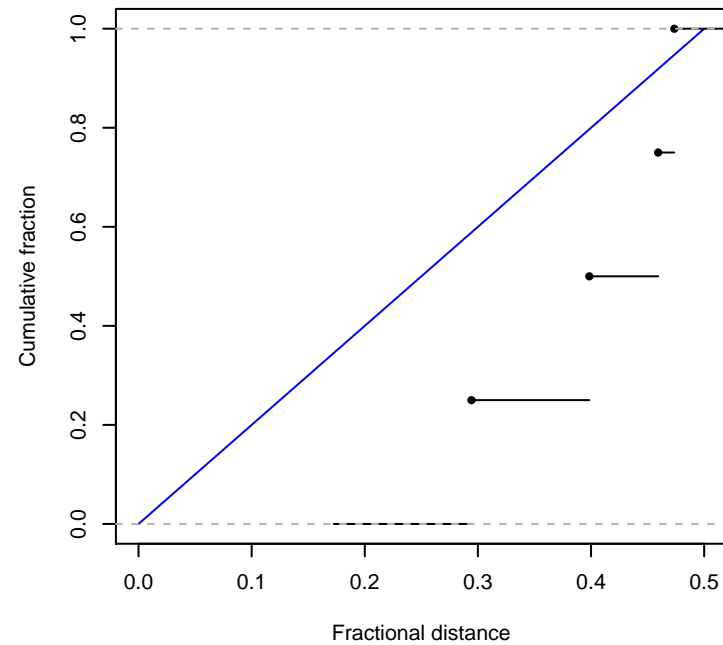
pcontig_083

Query population : 4
Reference population : 54
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 : 0.21
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0980632
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

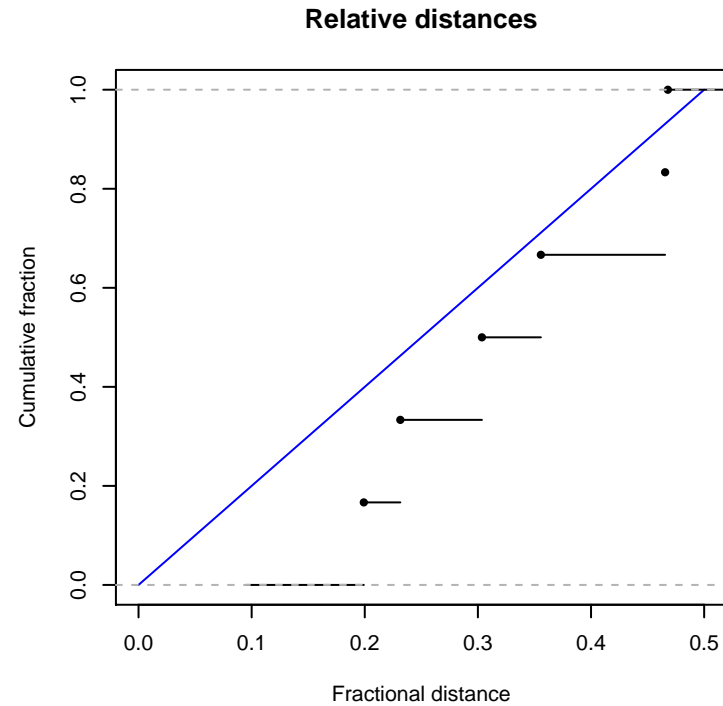
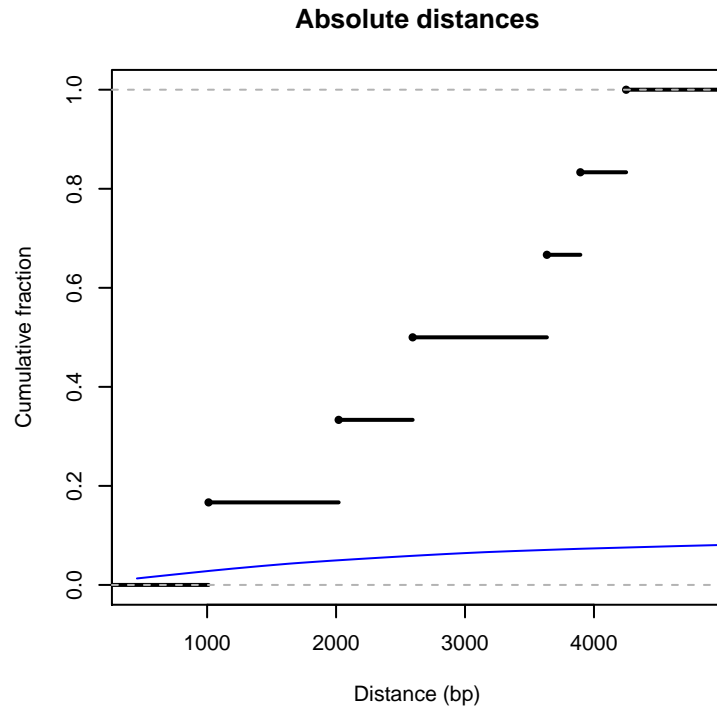


Relative distances



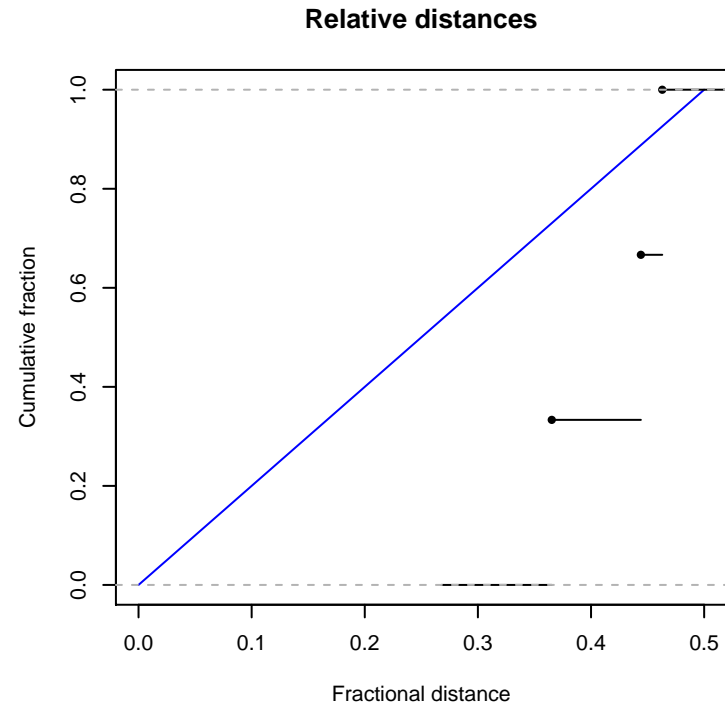
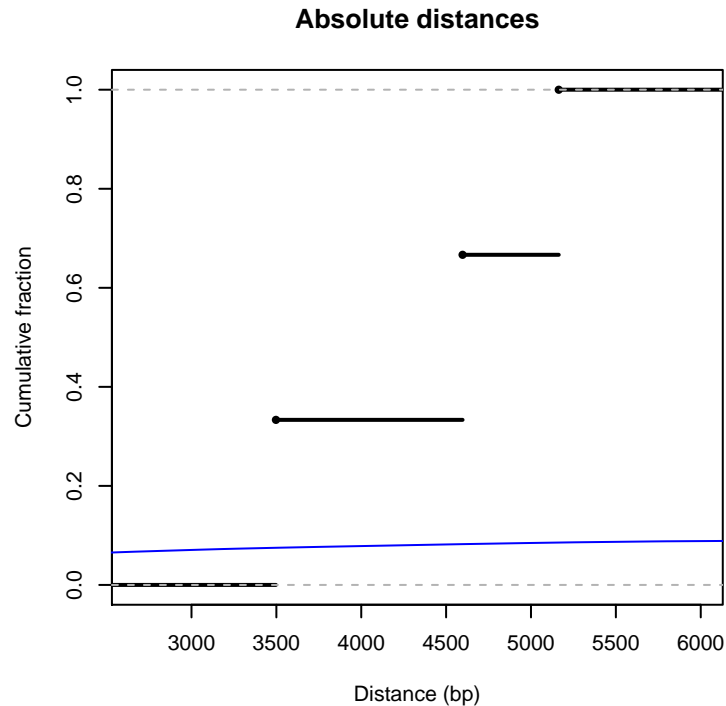
pcontig_084

Query population : 6
Reference population : 44
Relative Ks p-value : 0.228174
Relative ecdf deviation area : 0.0894883
Relative ecdf area correlation : -0.348801
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 : 0.26
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.116514
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



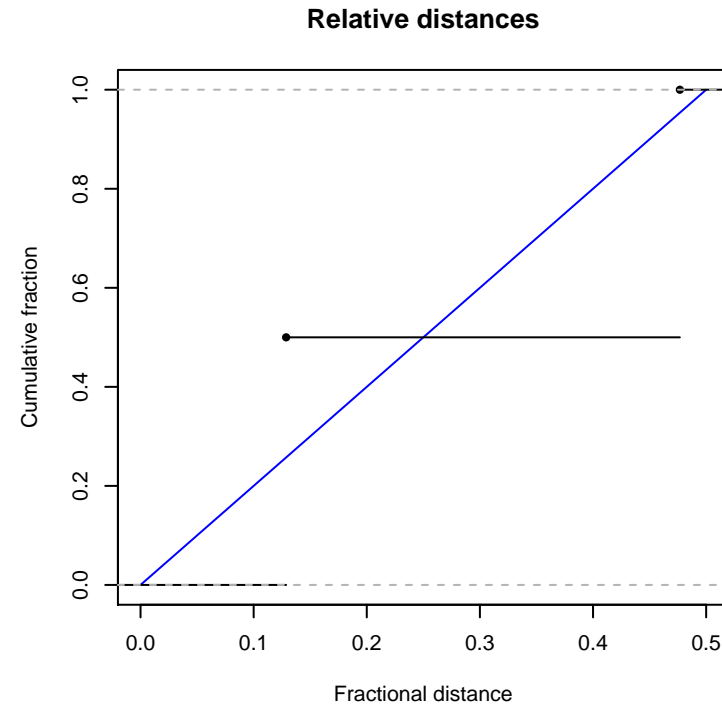
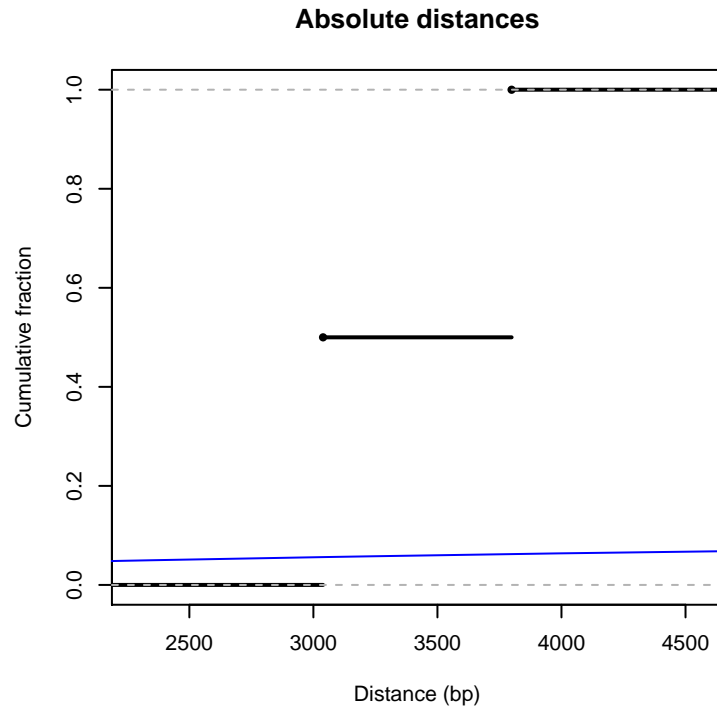
pcontig_086

Query population : 3
Reference population : 62
Relative Ks p-value : 0.0391249
Relative ecdf deviation area : 0.176711
Relative ecdf area correlation : -0.696404
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.25
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.071045
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



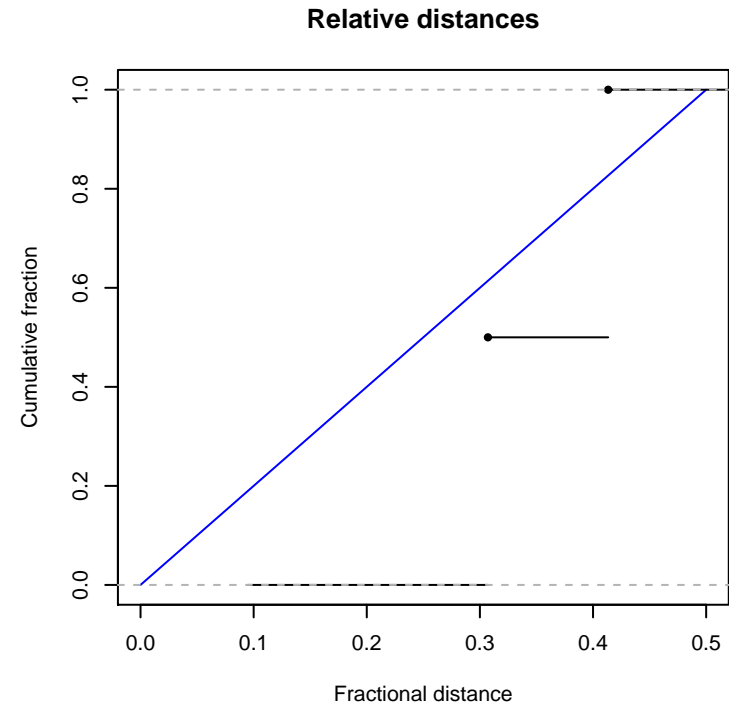
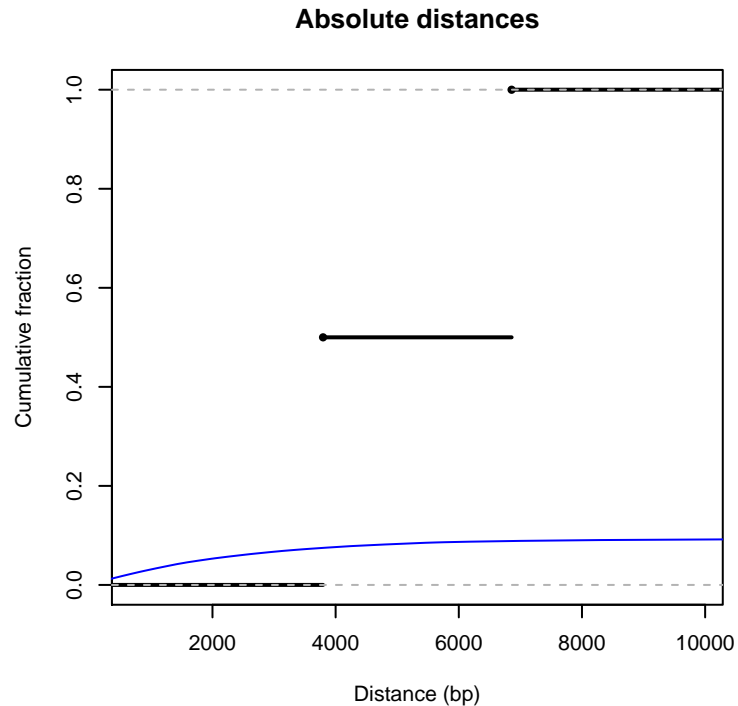
pcontig_087

Query population : 2
Reference population : 46
Relative Ks p-value : 0.668688
Relative ecdf deviation area : 0.0831436
Relative ecdf area correlation : -0.210943
Relative ecdf deviation area p-value : 0.72
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 : 0.0422472
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



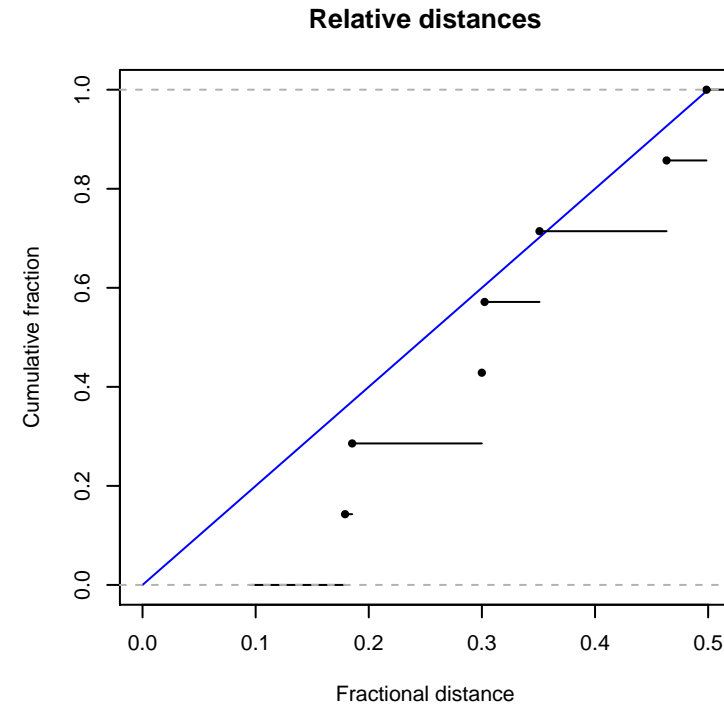
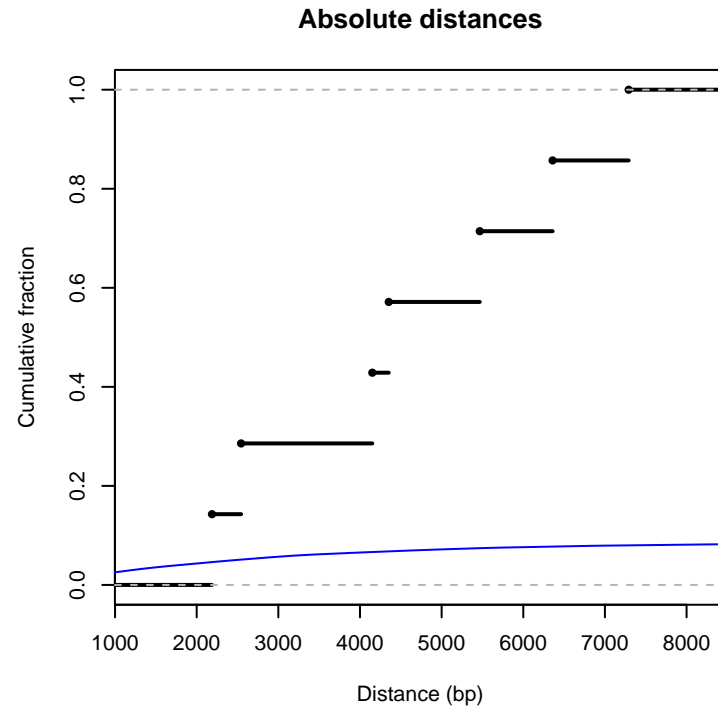
pcontig_088

Query population : 2
Reference population : 54
Relative Ks p-value : 0.297699
Relative ecdf deviation area : 0.125196
Relative ecdf area correlation : -0.440992
Relative ecdf deviation area p-value : 0.27
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 : 0.0539254
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



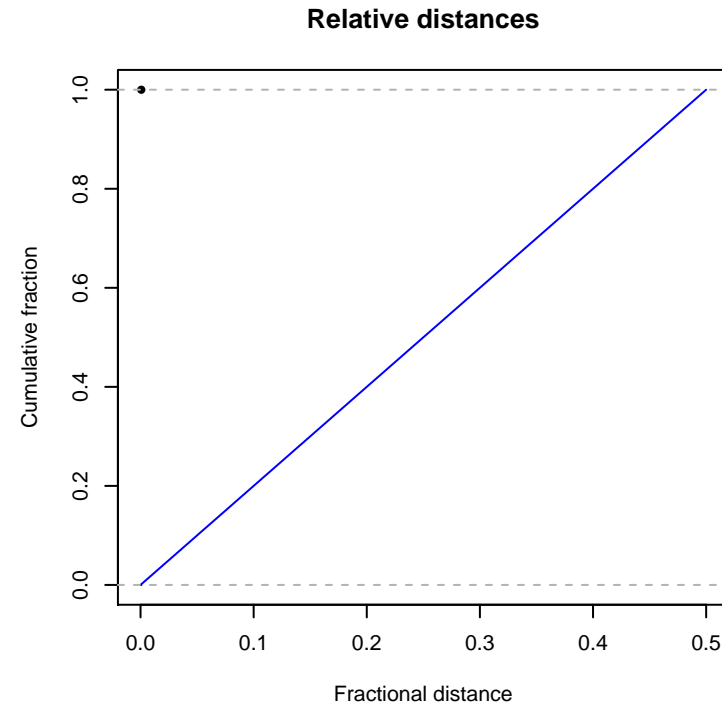
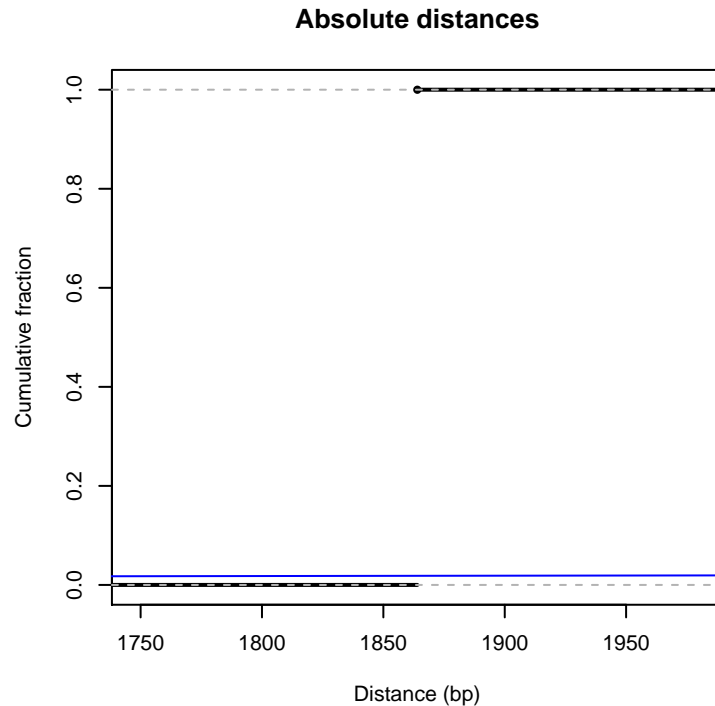
pcontig_089

Query population : 7
Reference population : 42
Relative Ks p-value : 0.261711
Relative ecdf deviation area : 0.0754507
Relative ecdf area correlation : -0.302488
Relative ecdf deviation area p-value : 0.25
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.34
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.137073
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



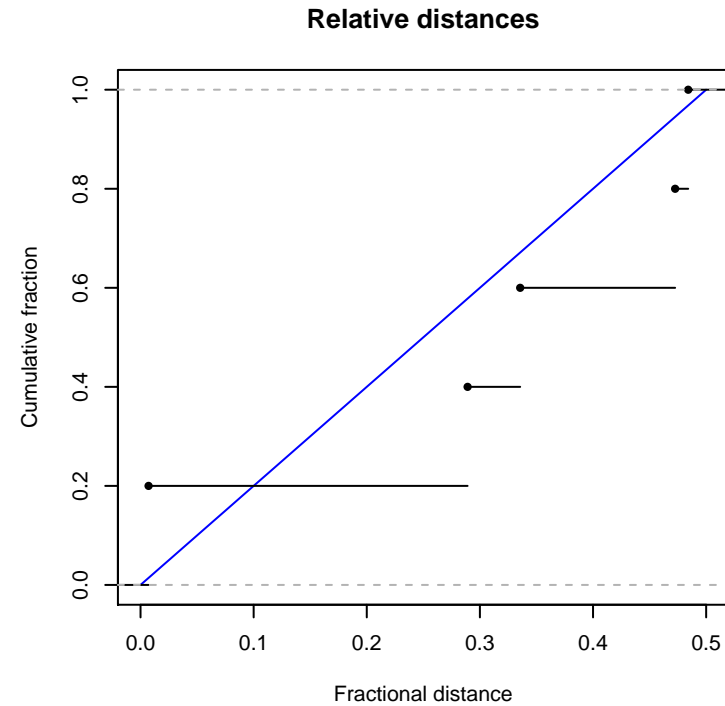
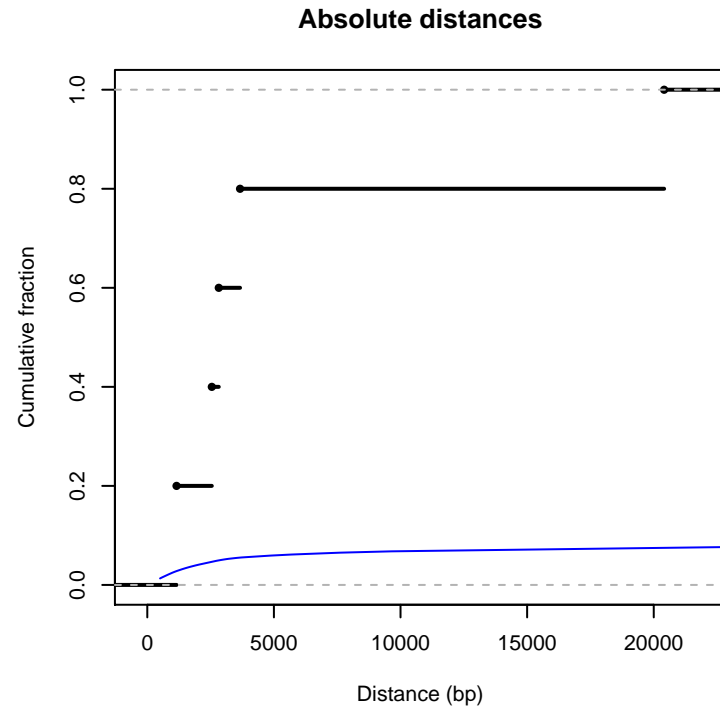
pcontig_090

Query population : 1
Reference population : 21
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 : 0.06
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00946947
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



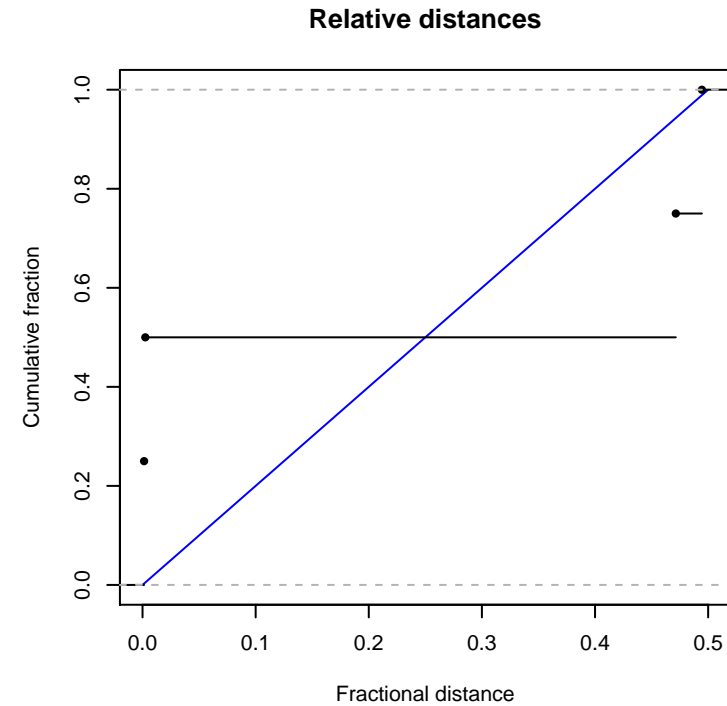
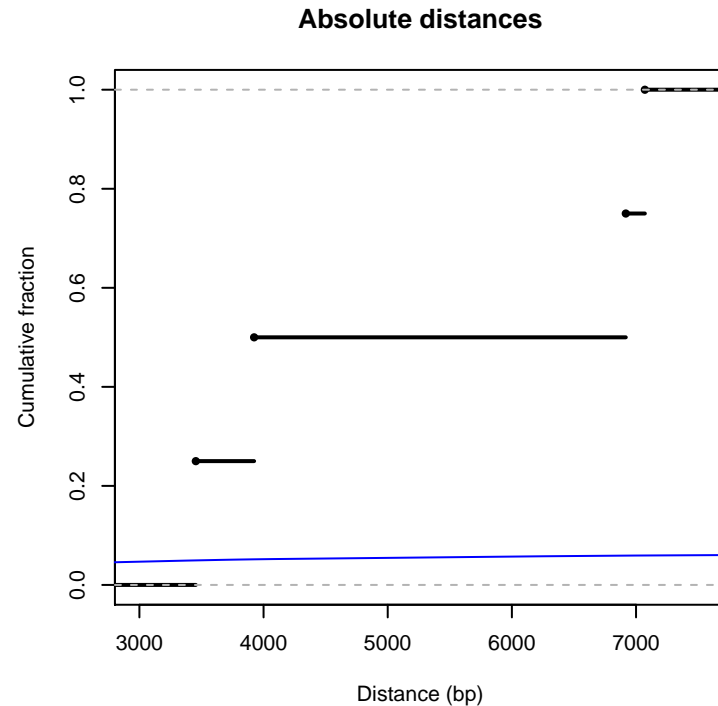
pcontig_091

Query population : 5
Reference population : 40
Relative Ks p-value : 0.372208
Relative ecdf deviation area : 0.0856303
Relative ecdf area correlation : -0.270853
Relative ecdf deviation area p-value : 0.24
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.23
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0947648
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



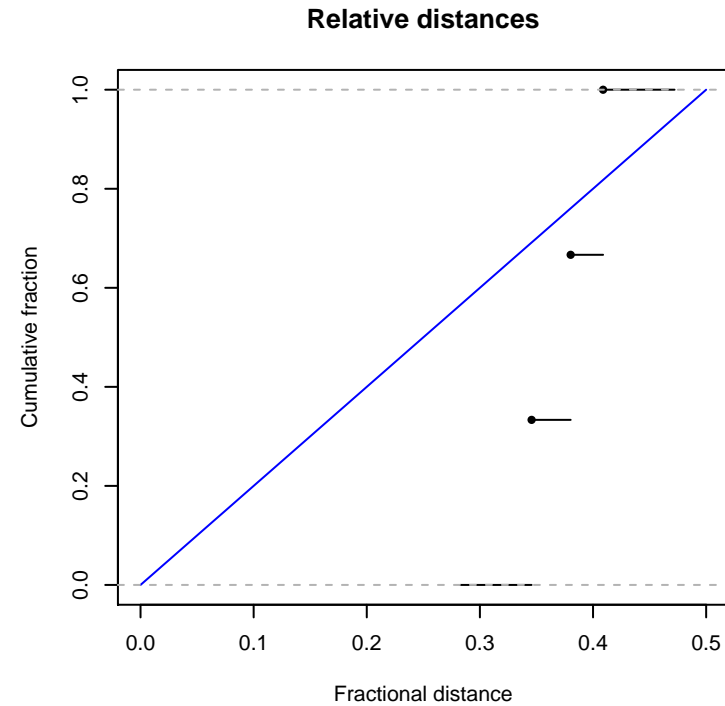
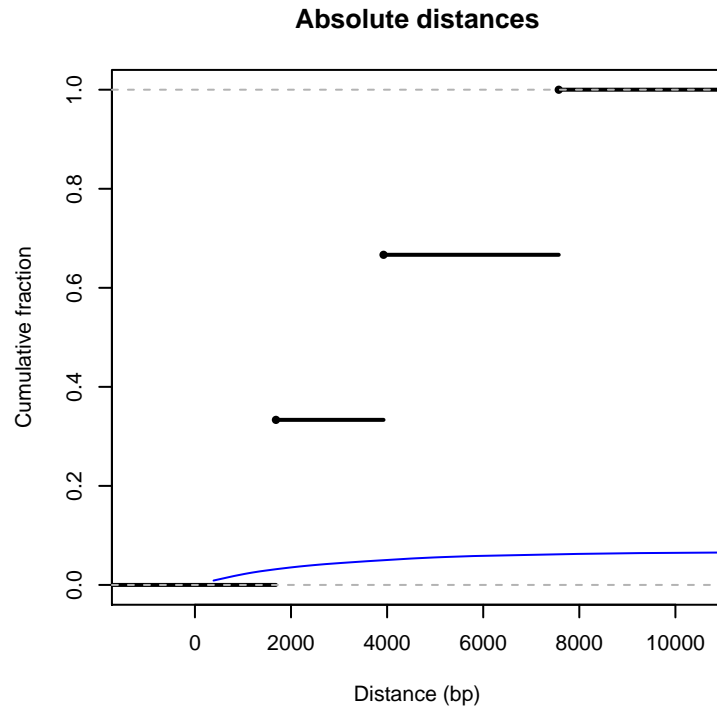
pcontig_092

Query population : 4
Reference population : 37
Relative Ks p-value : 0.19574
Relative ecdf deviation area : 0.115354
Relative ecdf area correlation : 0.0302892
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 : 0.17
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0839871
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



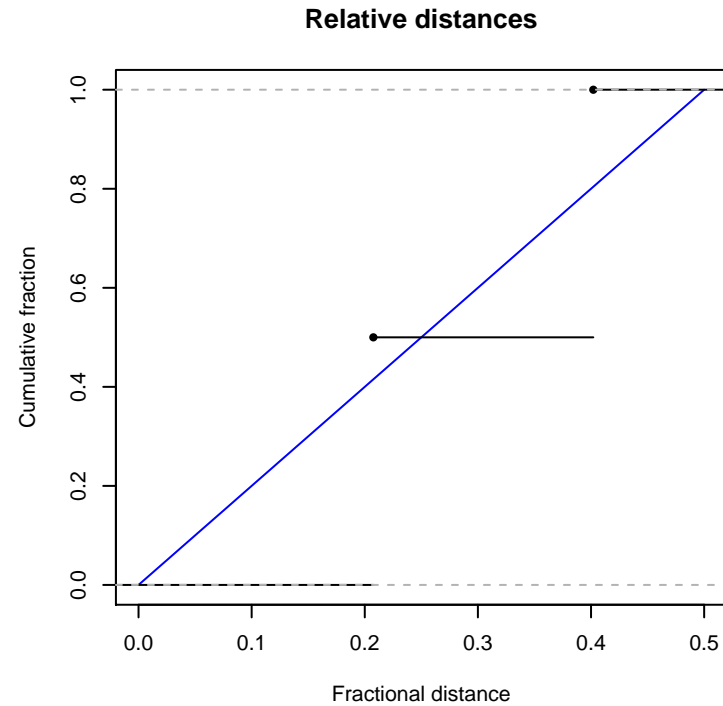
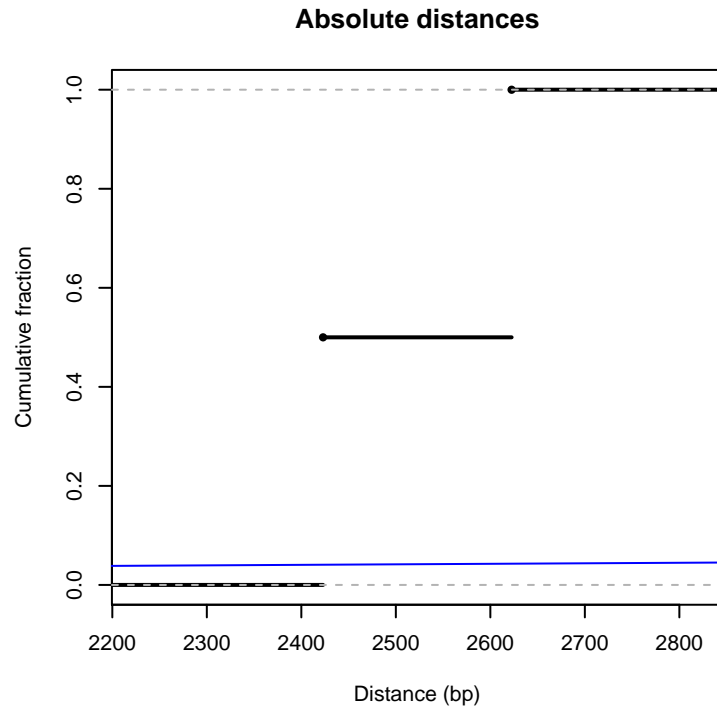
pcontig_095

Query population : 3
Reference population : 35
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 : 0.11
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0487784
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



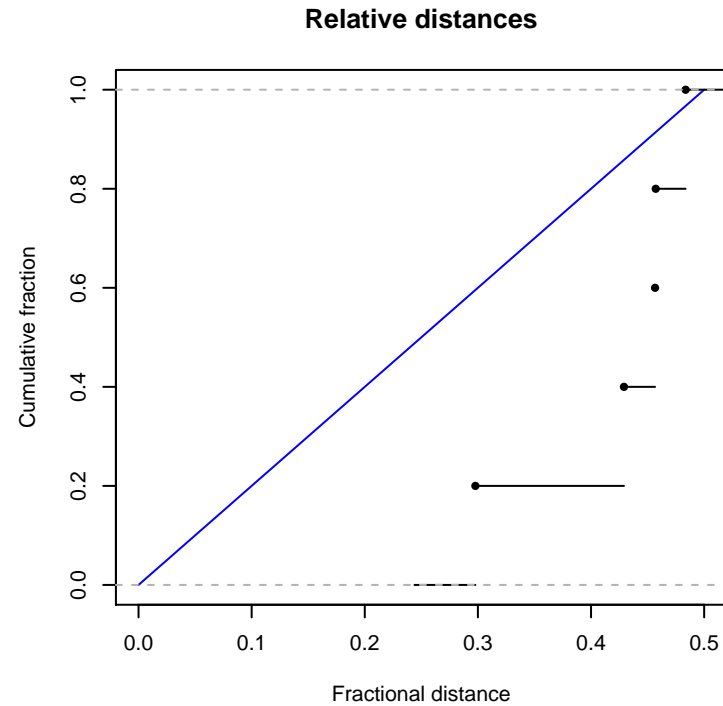
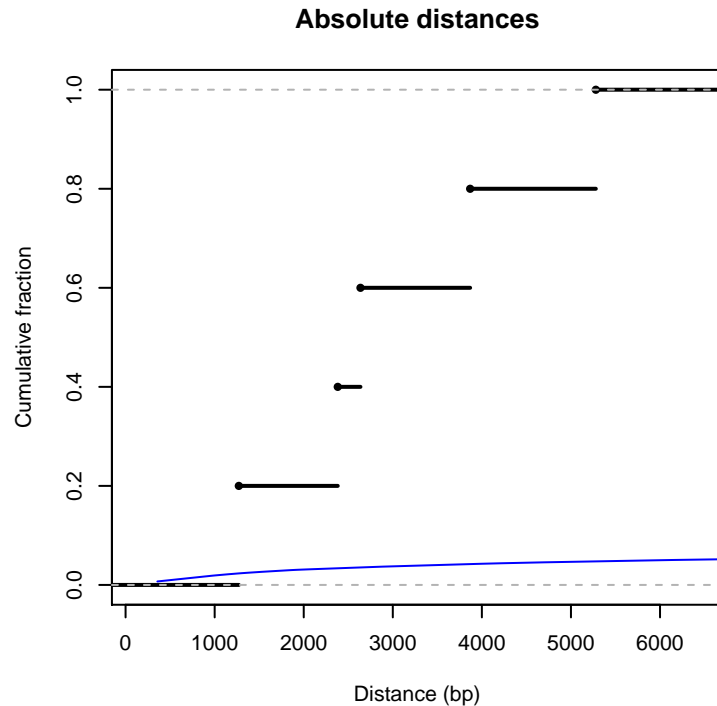
pcontig_097

Query population : 2
Reference population : 34
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 : 0.03
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0345868
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



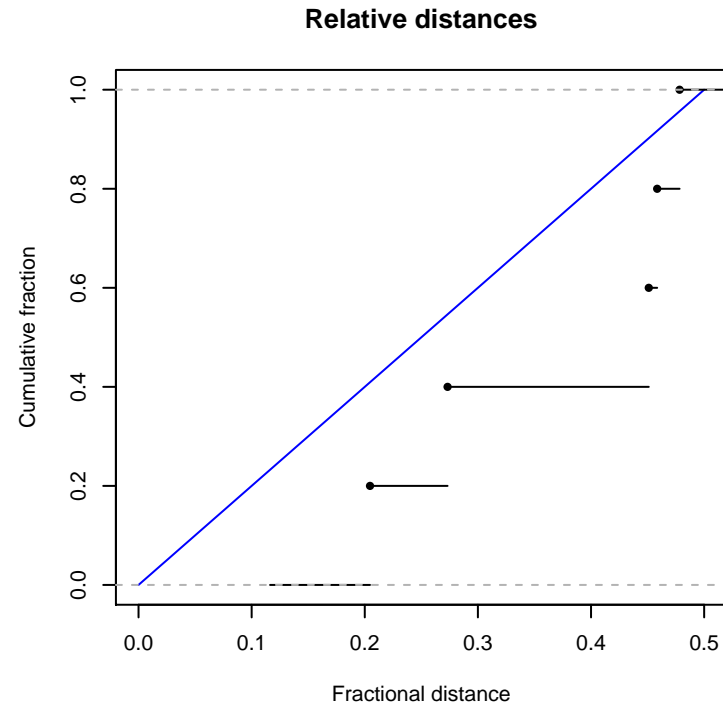
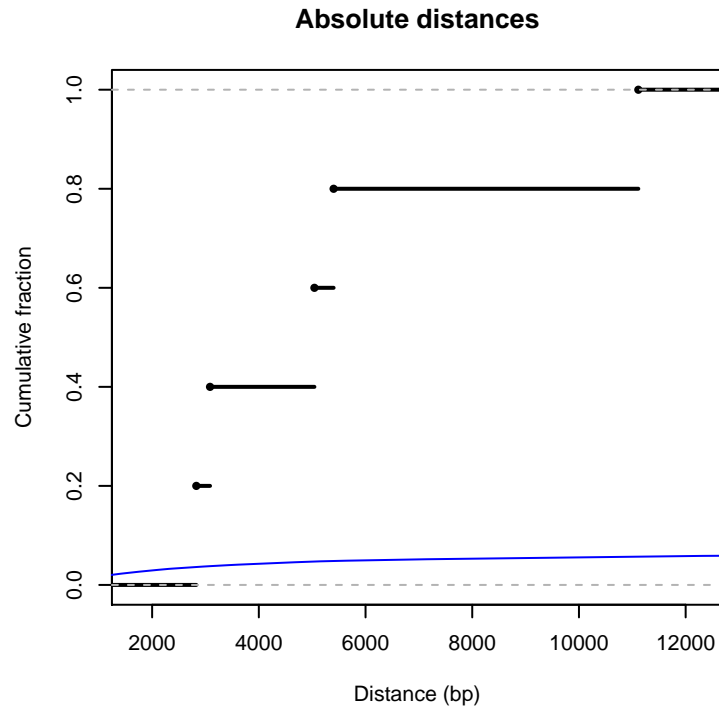
pcontig_100

Query population : 5
Reference population : 30
Relative Ks p-value : 0.0119818
Relative ecdf deviation area : 0.175456
Relative ecdf area correlation : -0.699422
Relative ecdf deviation area p-value : <0.01
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.12
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0654304
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



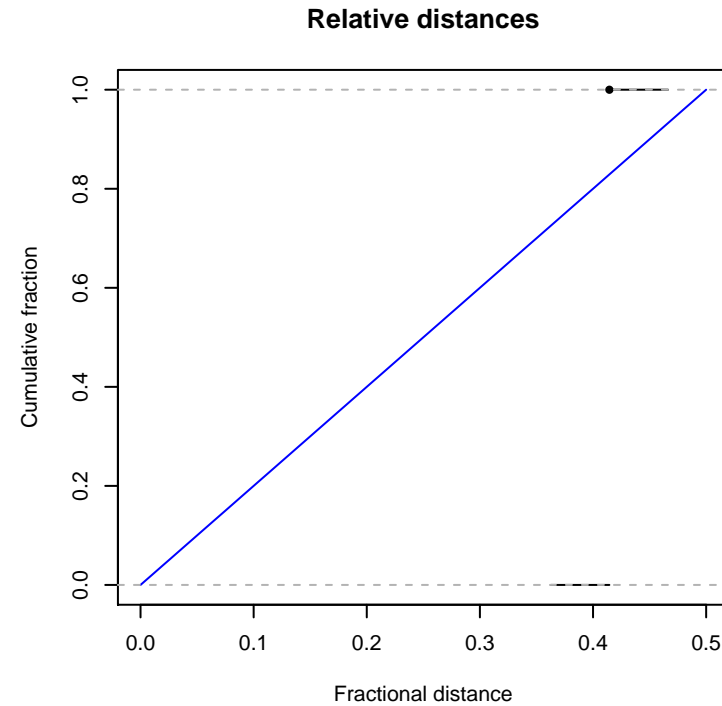
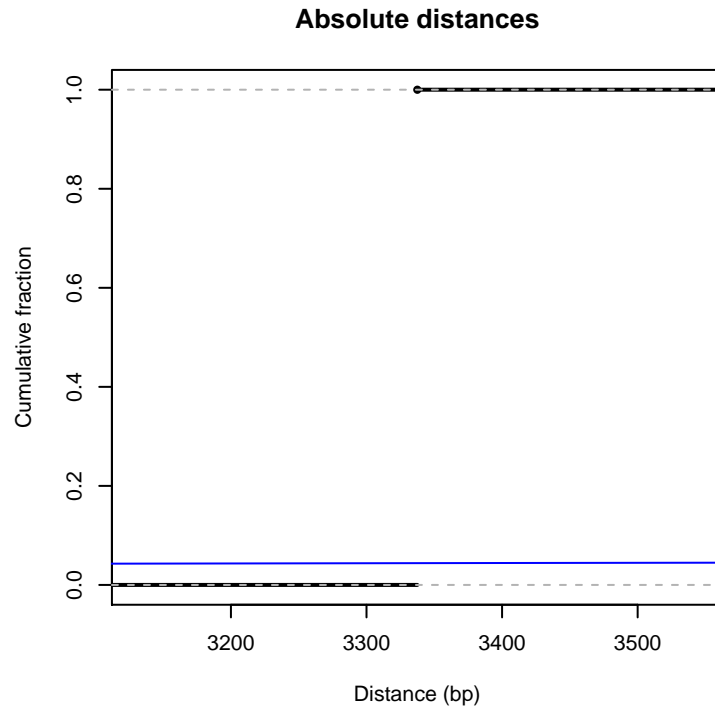
pcontig_103

Query population : 5
Reference population : 26
Relative Ks p-value : 0.109257
Relative ecdf deviation area : 0.124113
Relative ecdf area correlation : -0.492489
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 : 0.18
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0414708
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



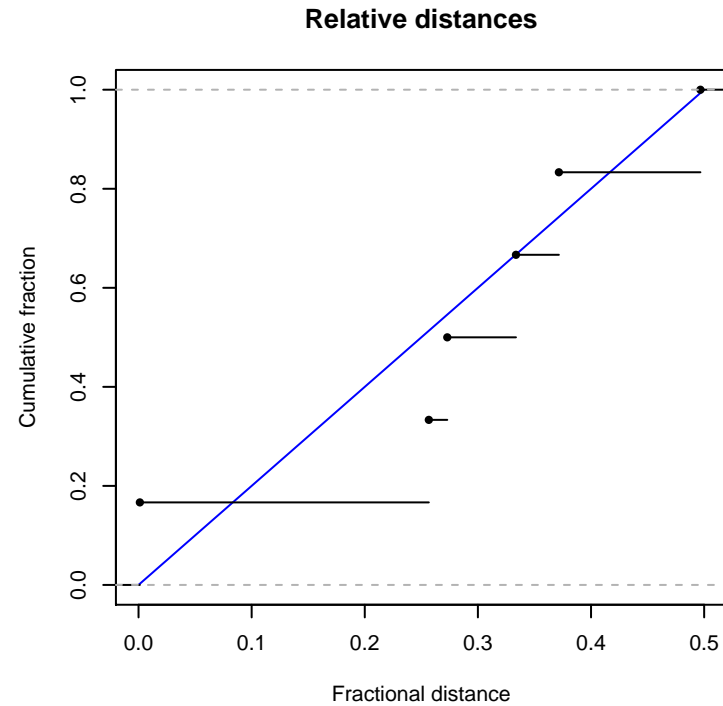
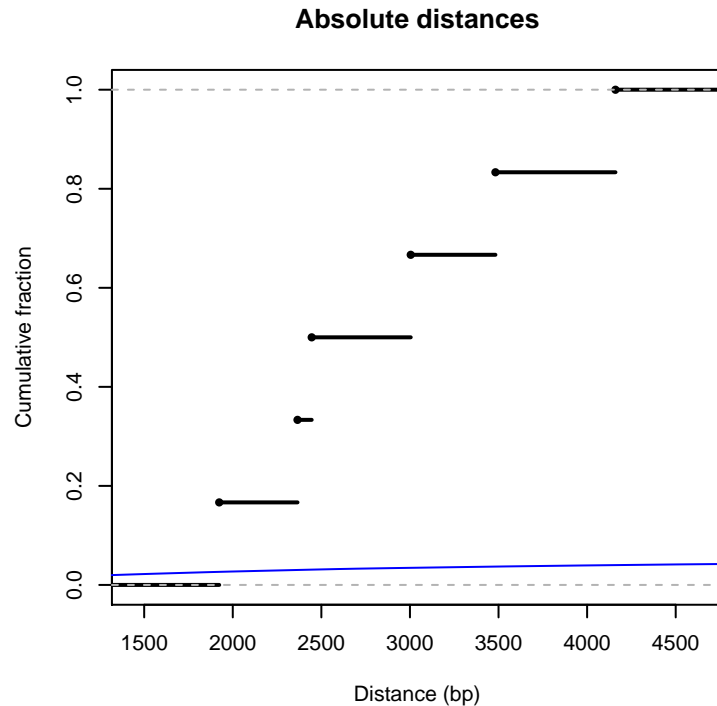
pcontig_104

Query population : 1
Reference population : 35
Relative Ks p-value : 0.34213
Relative ecdf deviation area : 0.178833
Relative ecdf area correlation : -0.65787
Relative ecdf deviation area p-value : 0.26
Scaled Absolute min. distance p-value : 0.08
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0180683
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



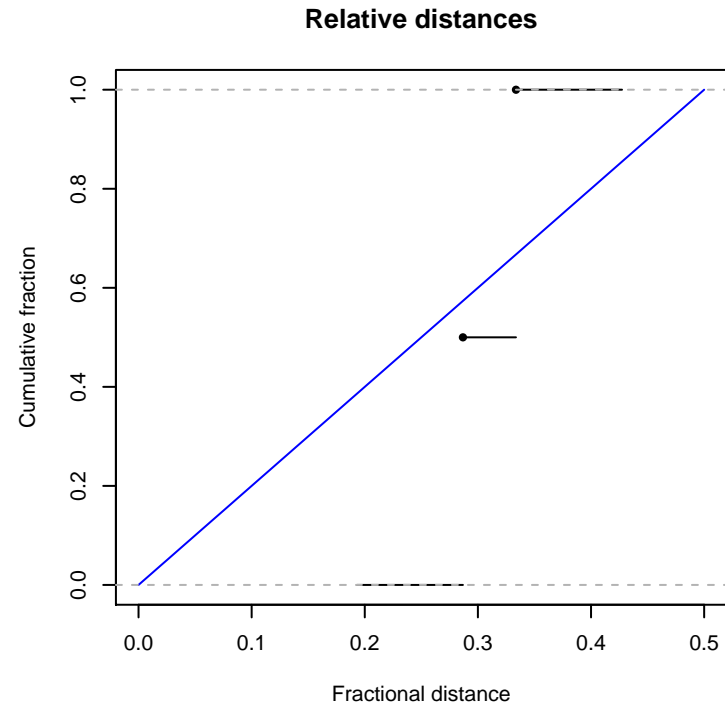
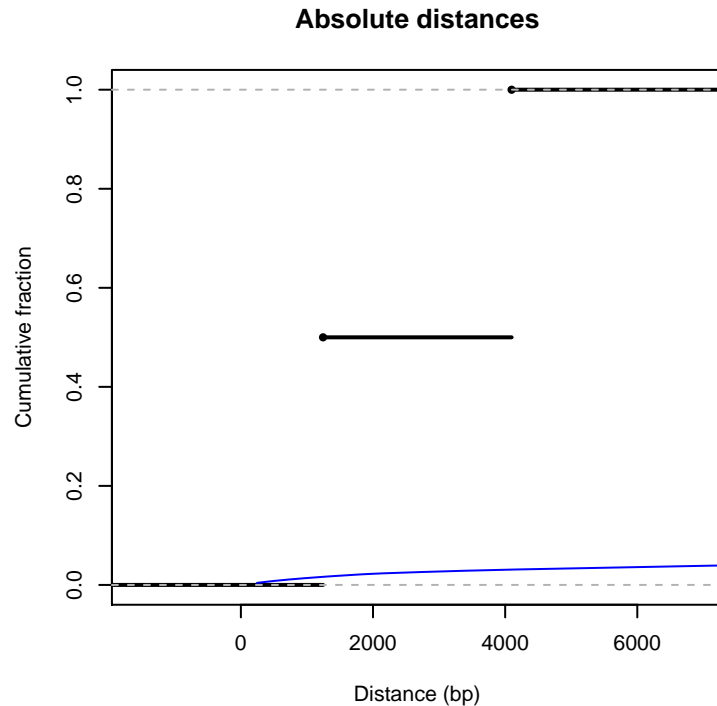
pcontig_106

Query population : 6
Reference population : 25
Relative Ks p-value : 0.378168
Relative ecdf deviation area : 0.0563389
Relative ecdf area correlation : -0.155115
Relative ecdf deviation area p-value : 0.57
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.14
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0796605
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



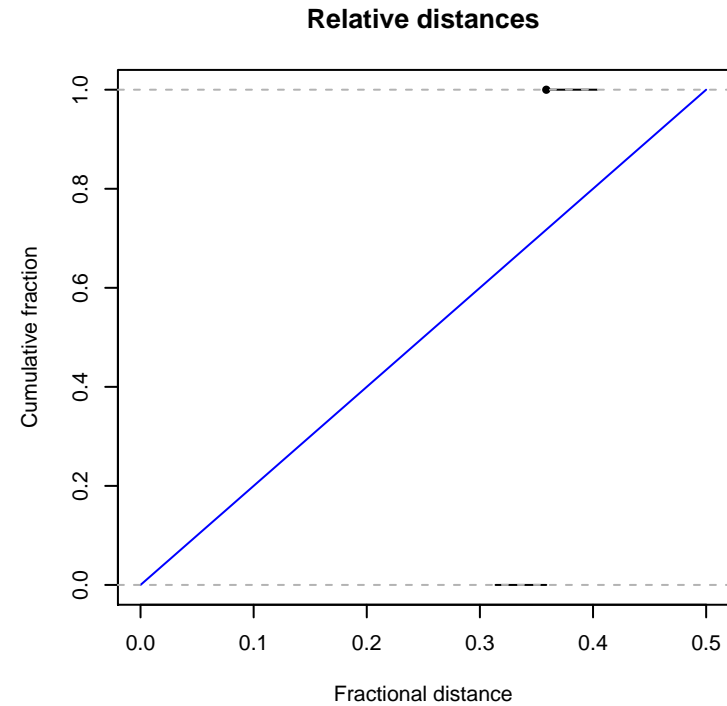
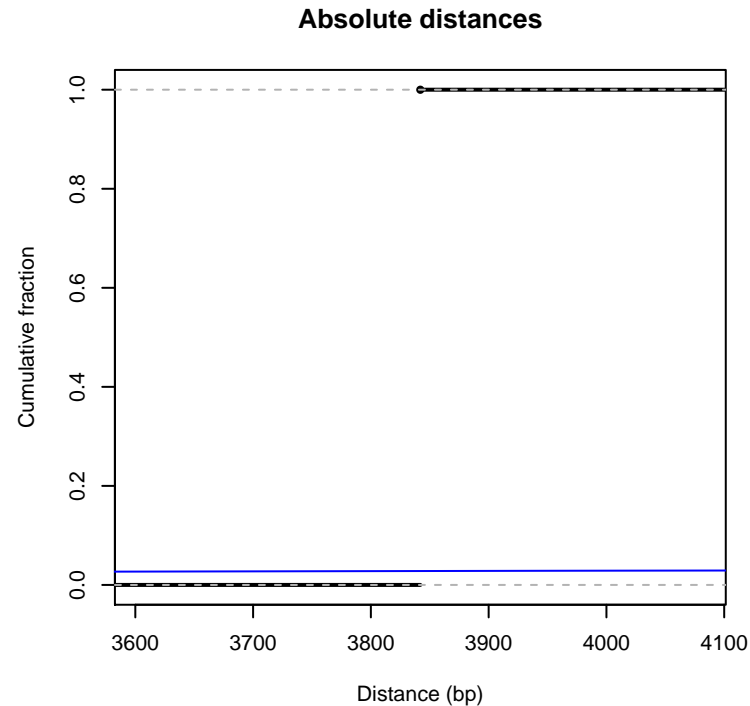
pcontig_110

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 : 0.45
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 : 0.0216627
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



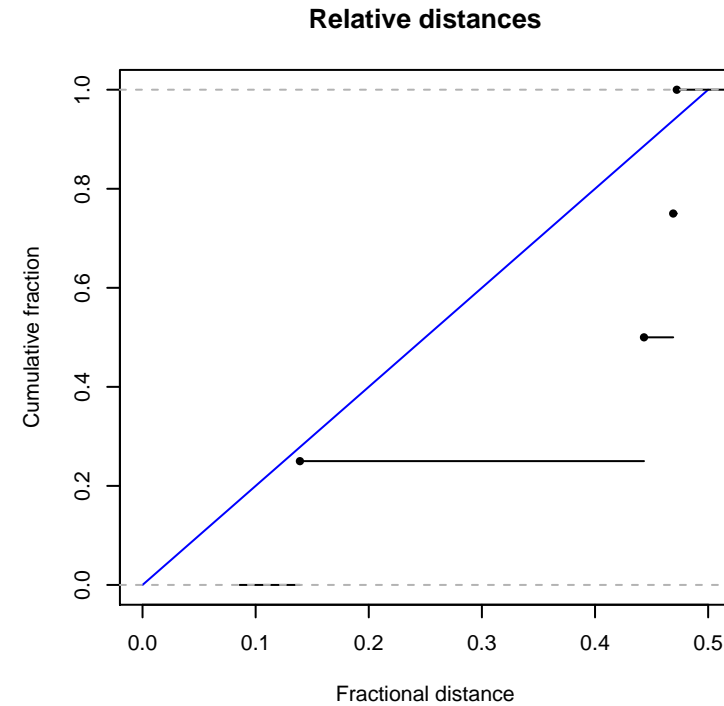
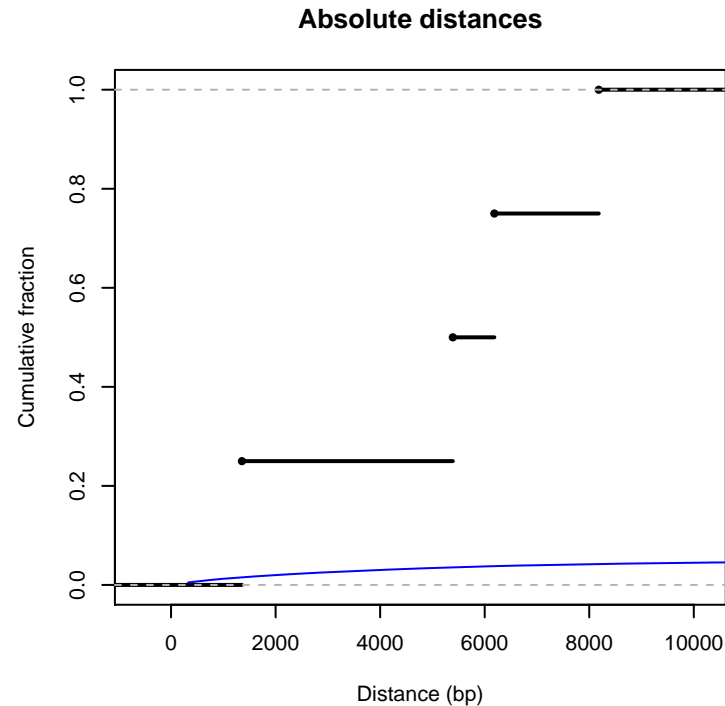
pcontig_112

Query population : 1
Reference population : 18
Relative Ks p-value : 0.56528
Relative ecdf deviation area : 0.148922
Relative ecdf area correlation : -0.43472
Relative ecdf deviation area p-value : 0.47
Scaled Absolute min. distance p-value : 0.04
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00553186
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



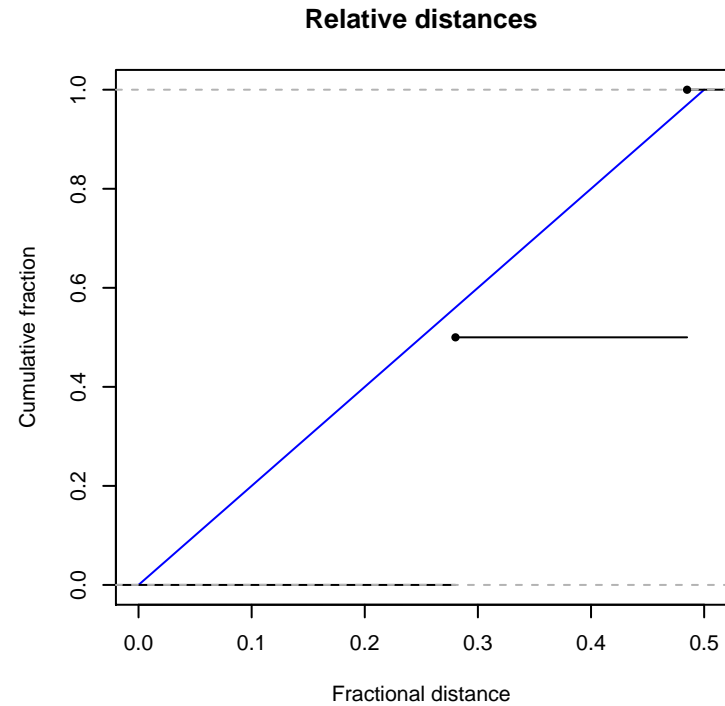
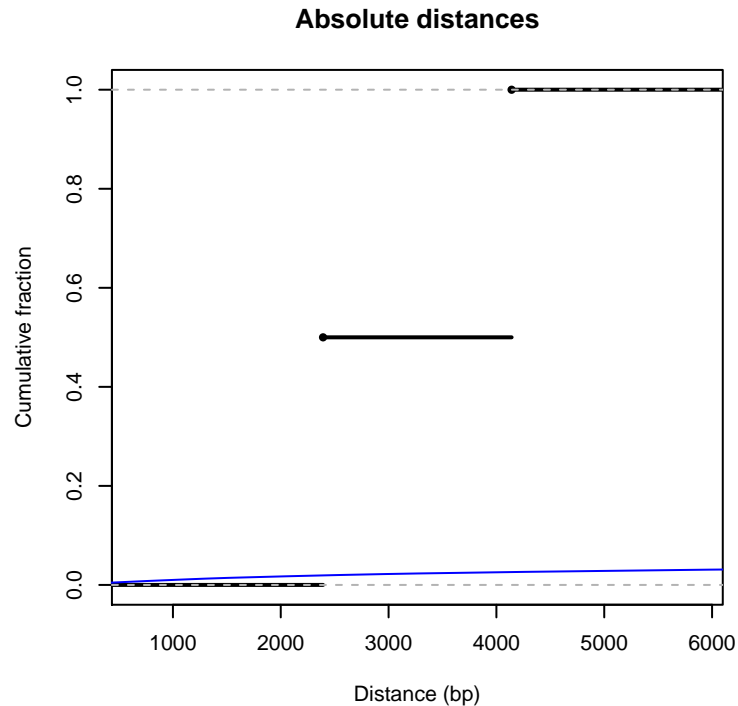
pcontig_115

Query population : 4
Reference population : 23
Relative Ks p-value : 0.0423295
Relative ecdf deviation area : 0.132933
Relative ecdf area correlation : -0.523797
Relative ecdf deviation area p-value : 0.06000000000000001
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 : 0.0238765
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



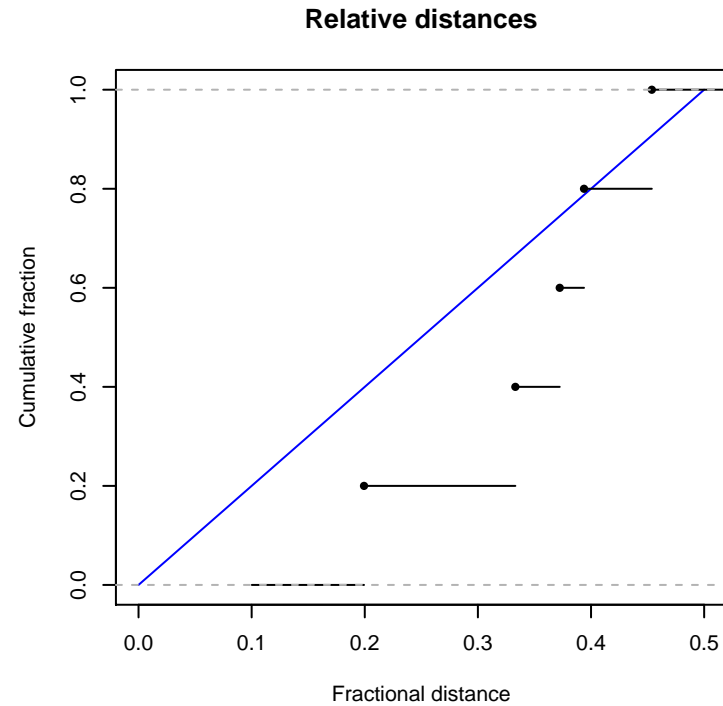
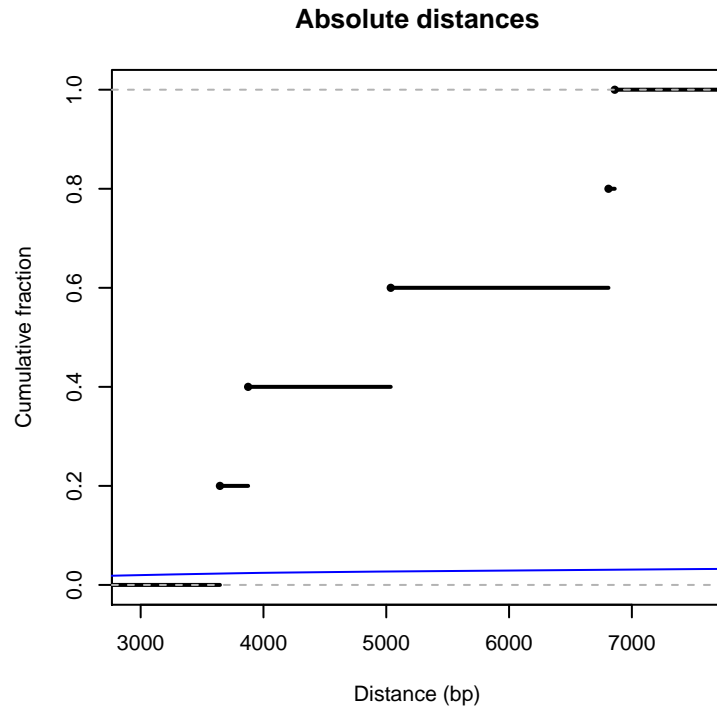
pcontig_120

Query population : 2
Reference population : 17
Relative Ks p-value : 0.386607
Relative ecdf deviation area : 0.133468
Relative ecdf area correlation : -0.530183
Relative ecdf deviation area p-value : 0.26
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 : 0.010492
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



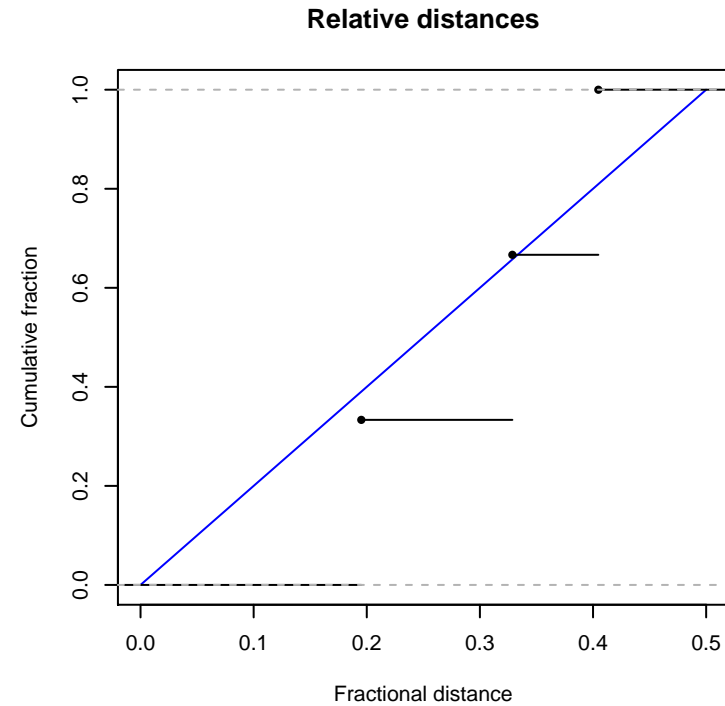
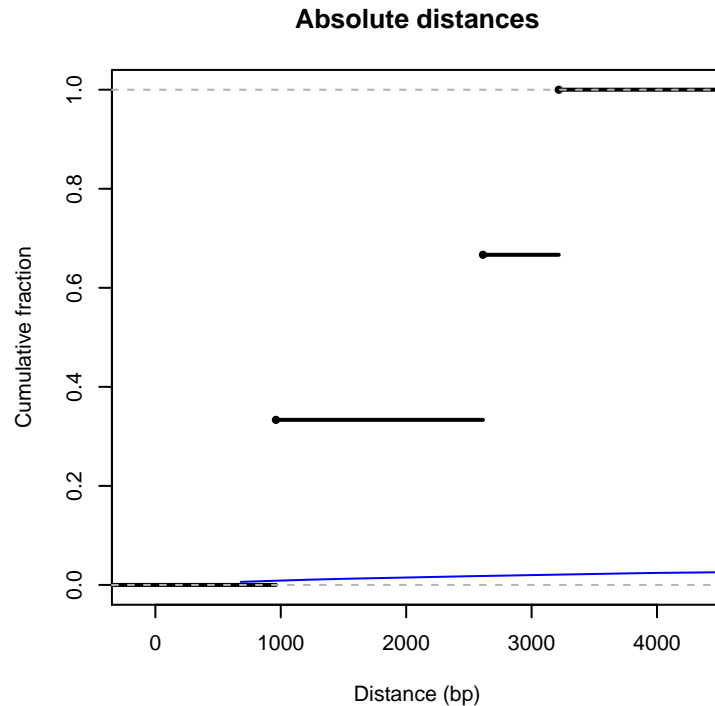
pcontig_130

Query population : 5
Reference population : 13
Relative Ks p-value : 0.163897
Relative ecdf deviation area : 0.105058
Relative ecdf area correlation : -0.401836
Relative ecdf deviation area p-value : 0.16
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0299154
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



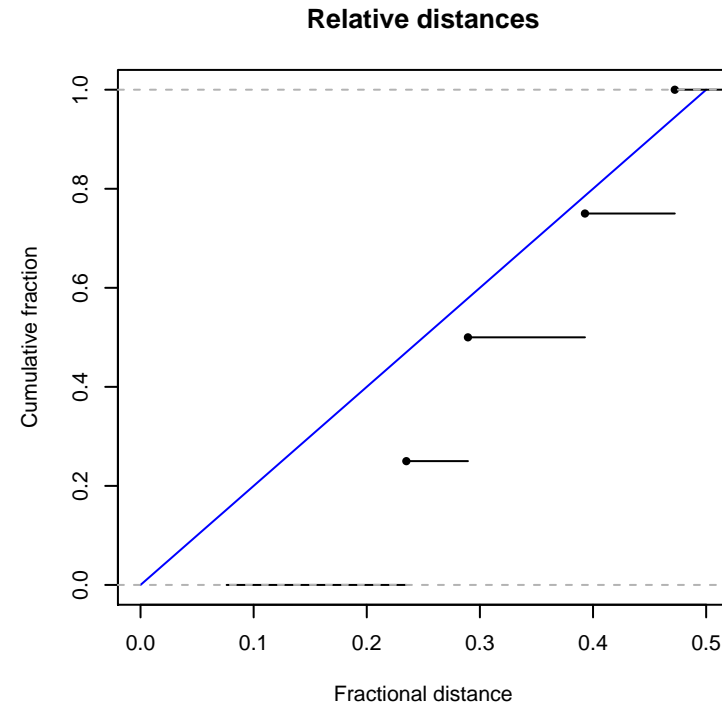
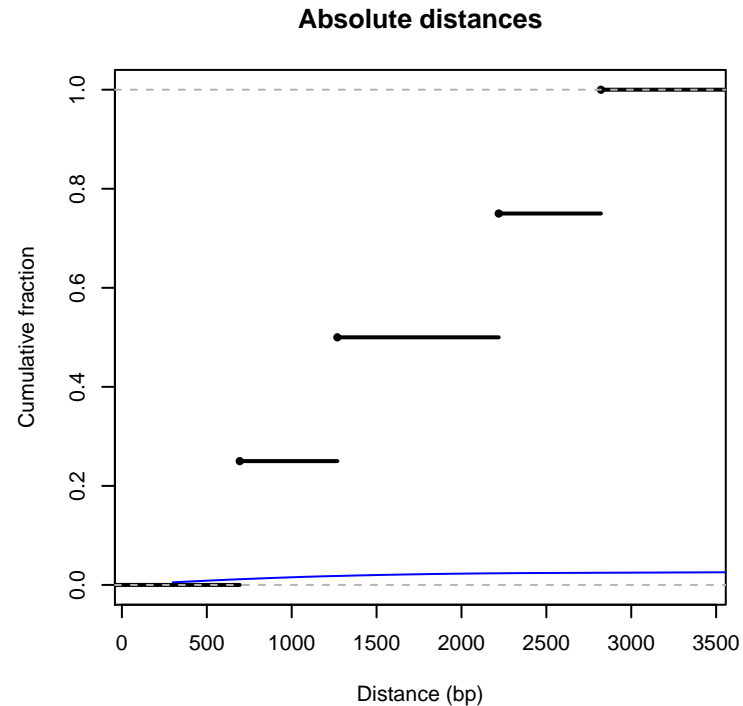
pcontig_138

Query population : 3
Reference population : 14
Relative Ks p-value : 0.621599
Relative ecdf deviation area : 0.0780546
Relative ecdf area correlation : -0.238055
Relative ecdf deviation area p-value : 0.5
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 : 0.0164051
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



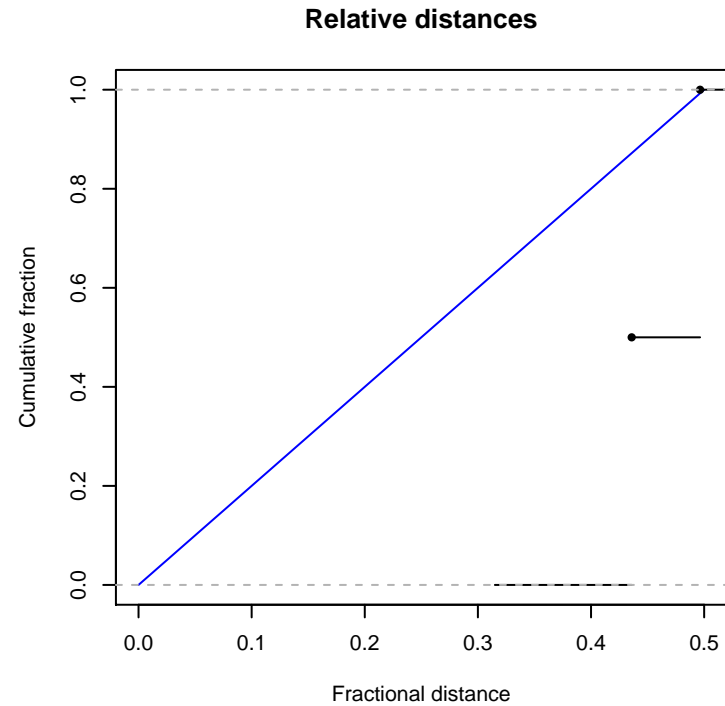
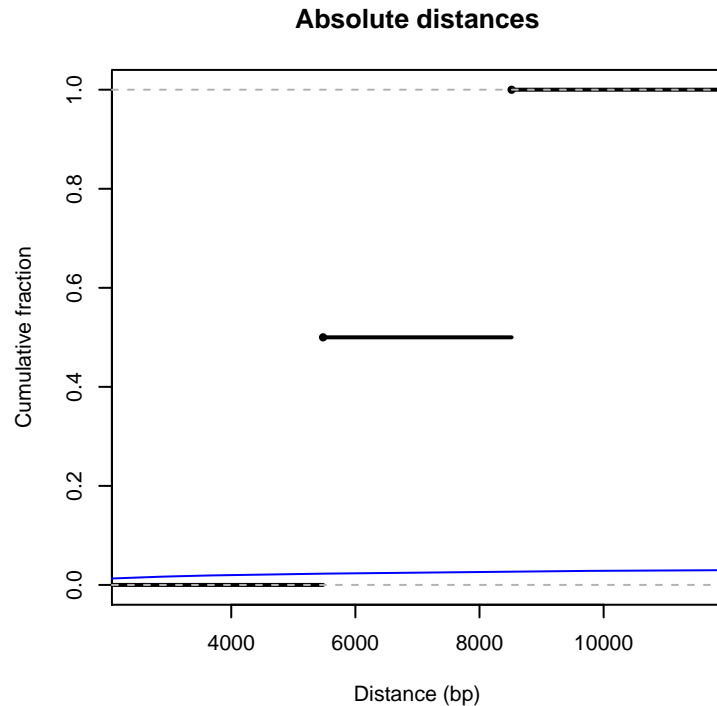
pcontig_146

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 : 0.18
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



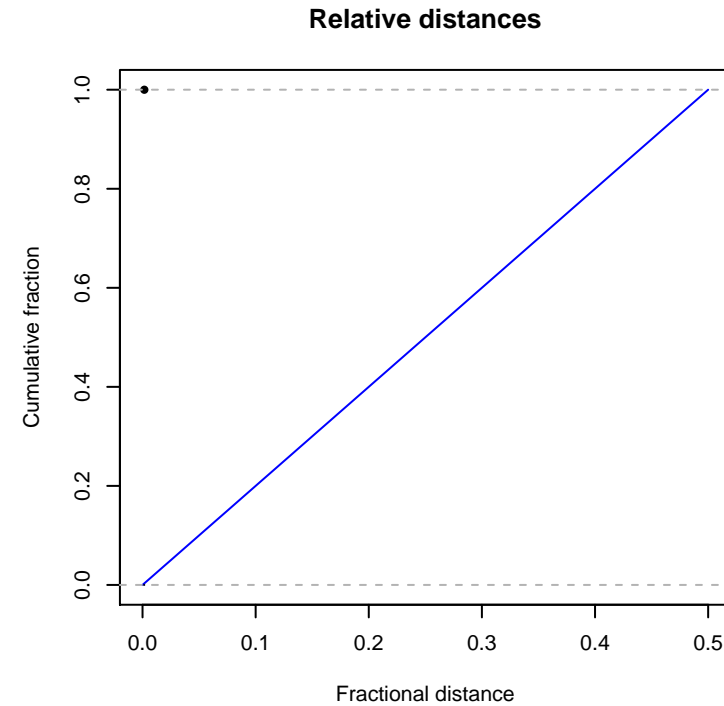
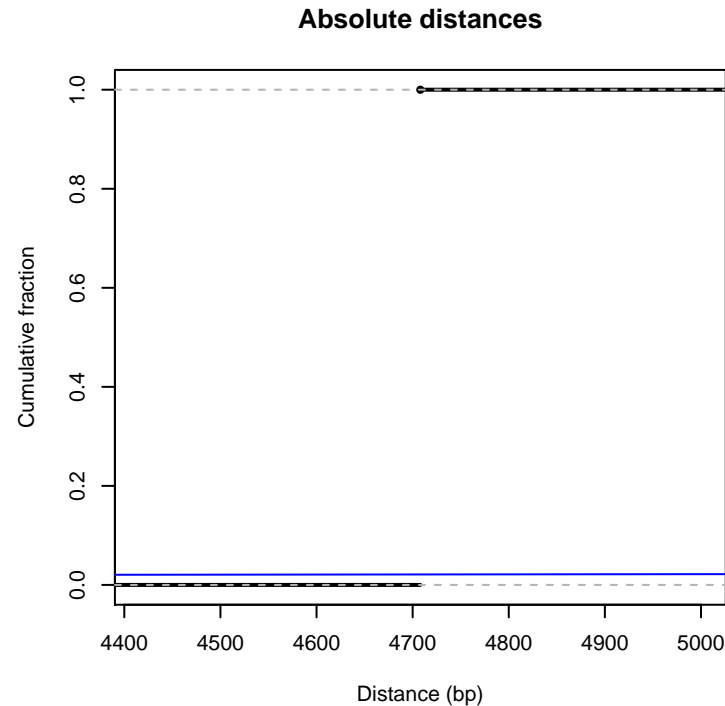
pcontig_147

Query population : 2
Reference population : 12
Relative Ks p-value : 0.0328354
Relative ecdf deviation area : 0.21653
Relative ecdf area correlation : -0.864666
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 : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0125686
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



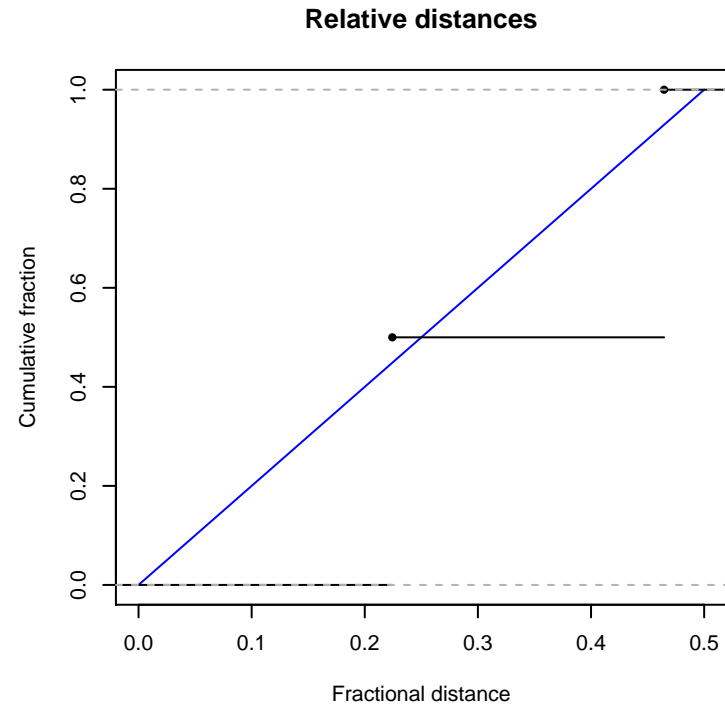
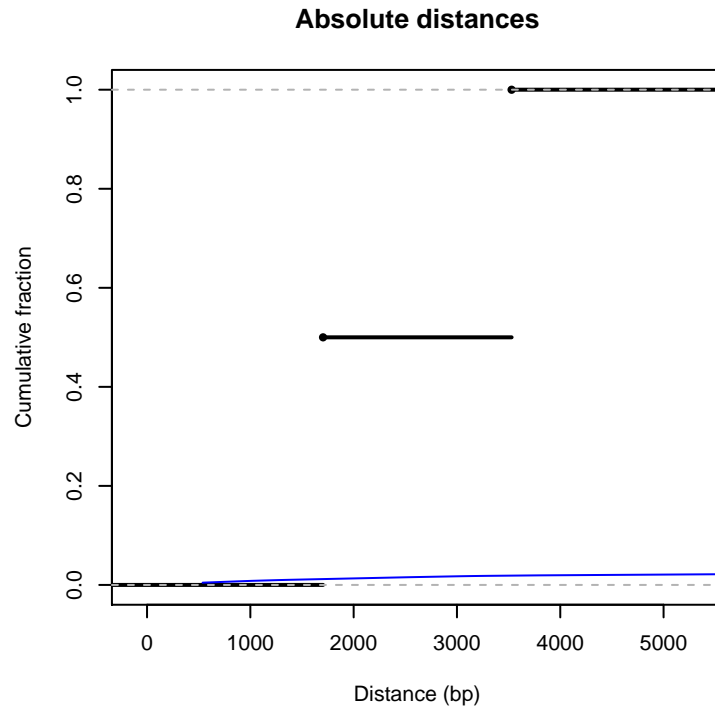
pcontig_148

Query population : 1
Reference population : 14
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 : 0.02
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.06000000000000001
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00977251
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



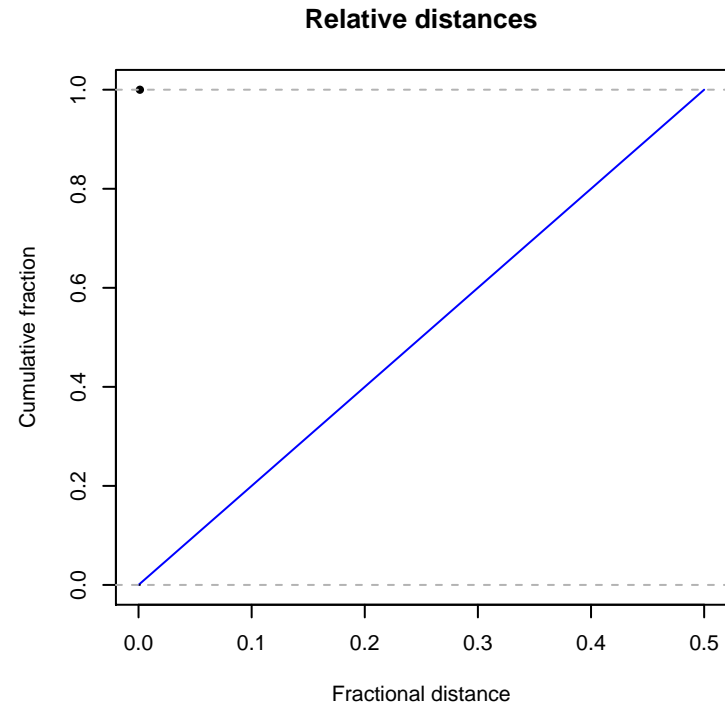
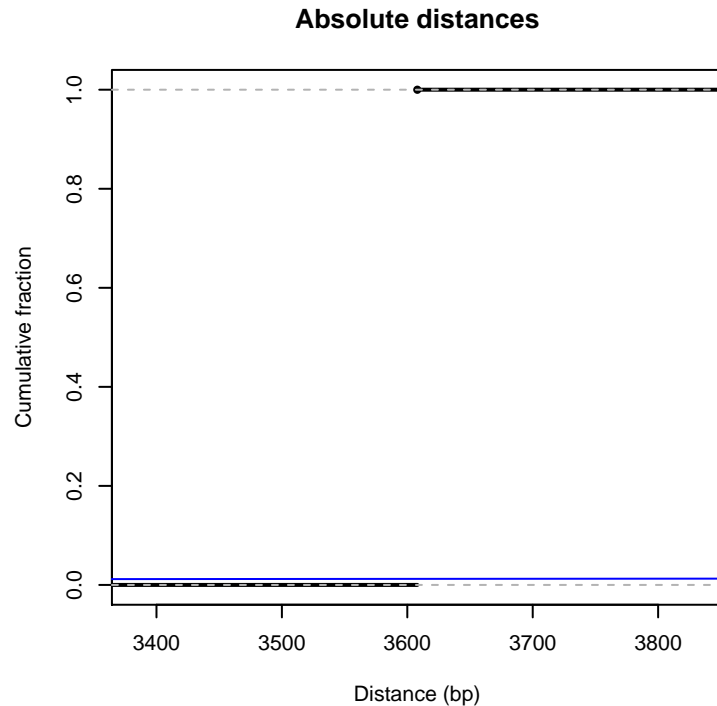
pcontig_157

Query population : 2
Reference population : 13
Relative Ks p-value : 0.684283
Relative ecdf deviation area : 0.0984003
Relative ecdf area correlation : -0.37783
Relative ecdf deviation area p-value : 0.62
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.008873
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



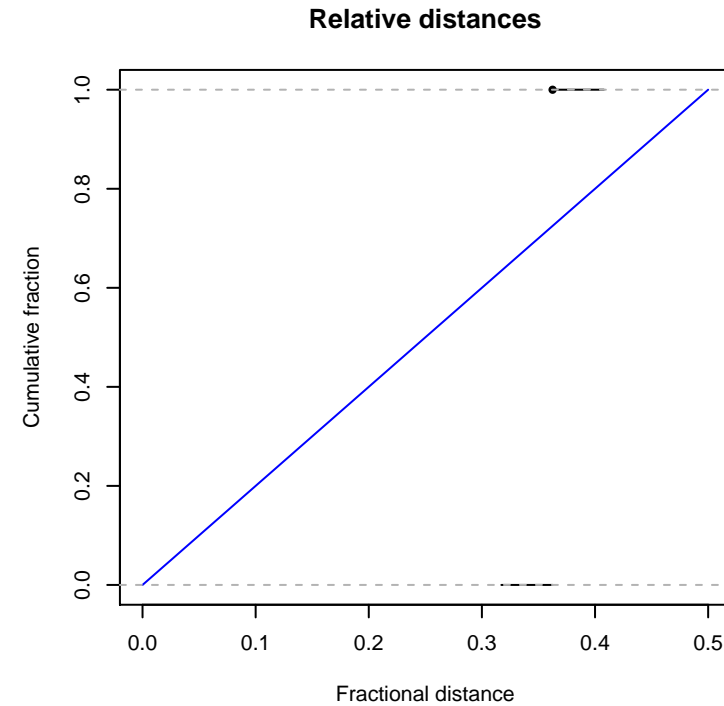
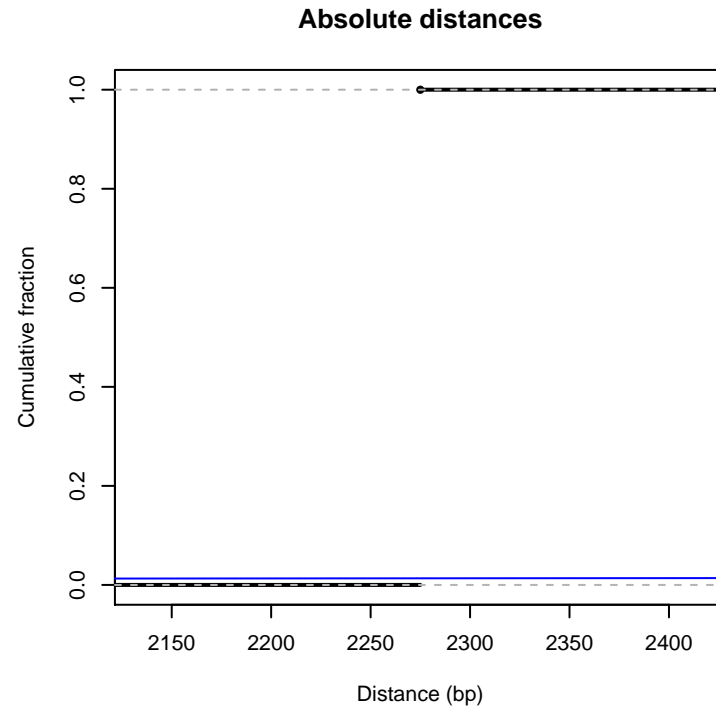
pcontig_166

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 : <0.01
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



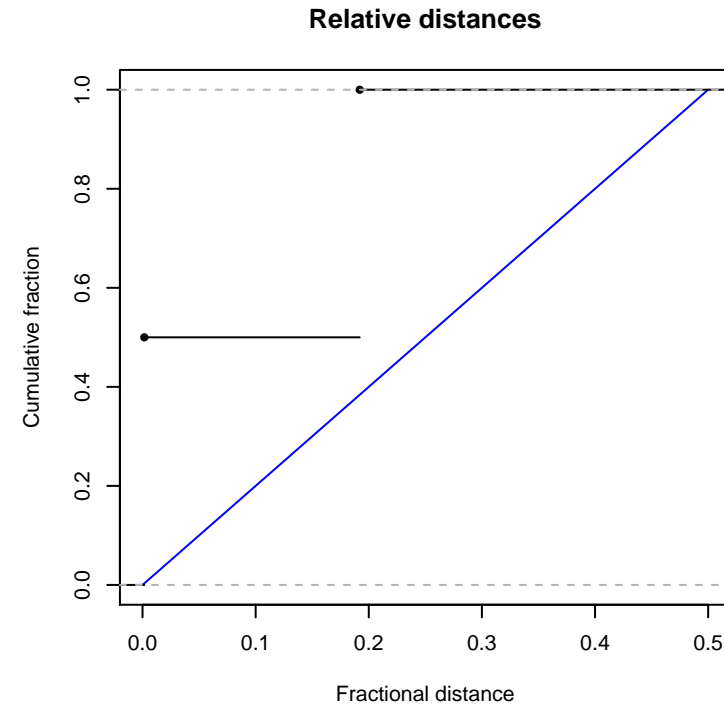
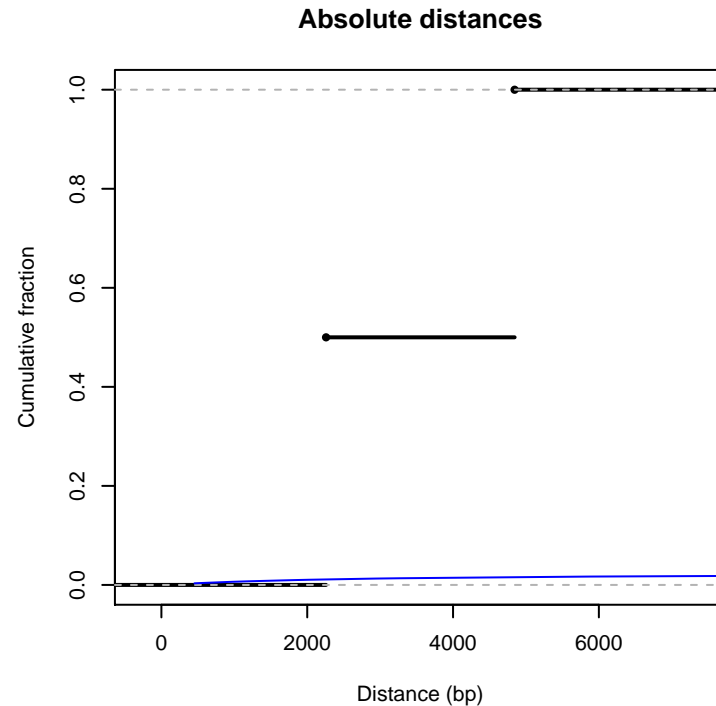
pcontig_174

Query population : 1
Reference population : 12
Relative Ks p-value : 0.550032
Relative ecdf deviation area : 0.150641
Relative ecdf area correlation : -0.449968
Relative ecdf deviation area p-value : 0.44
Scaled Absolute min. distance p-value : 0.06
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00675677
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



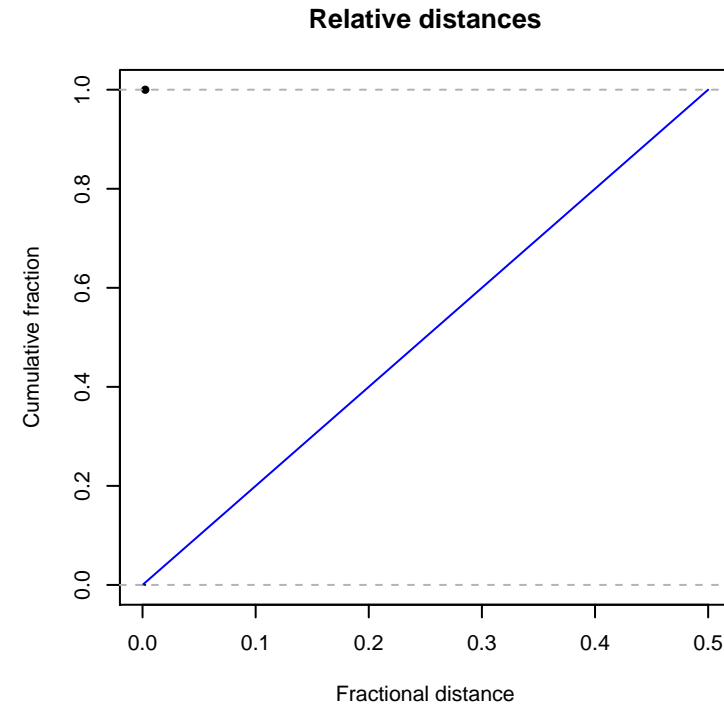
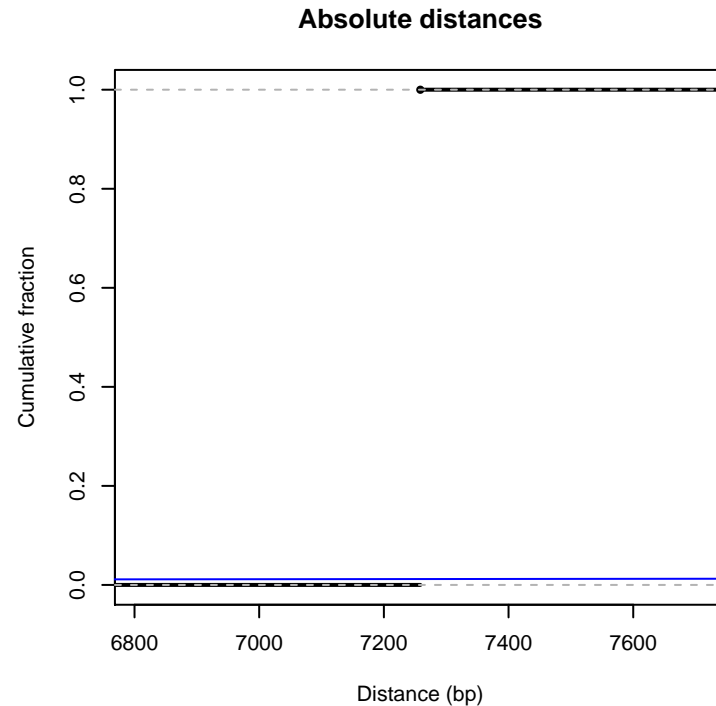
pcontig_179

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 : 0.16
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00859144
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



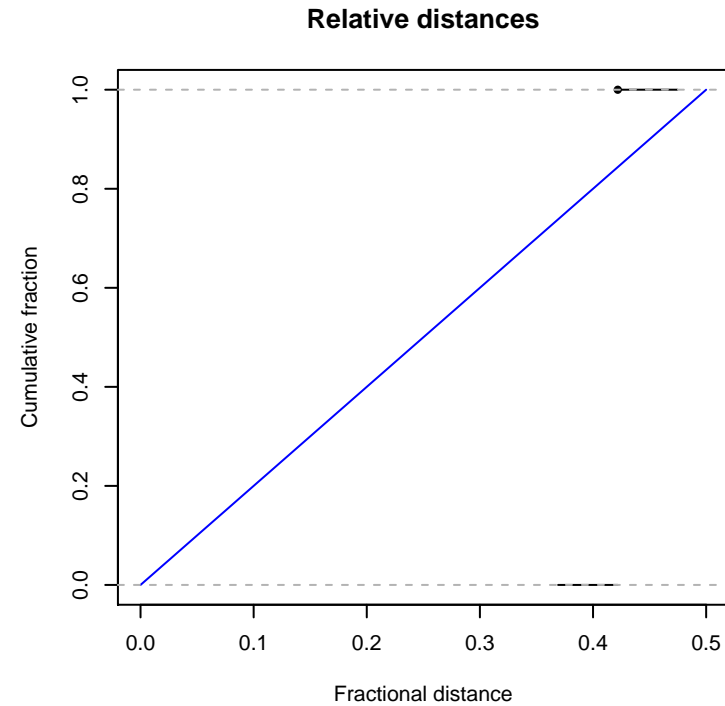
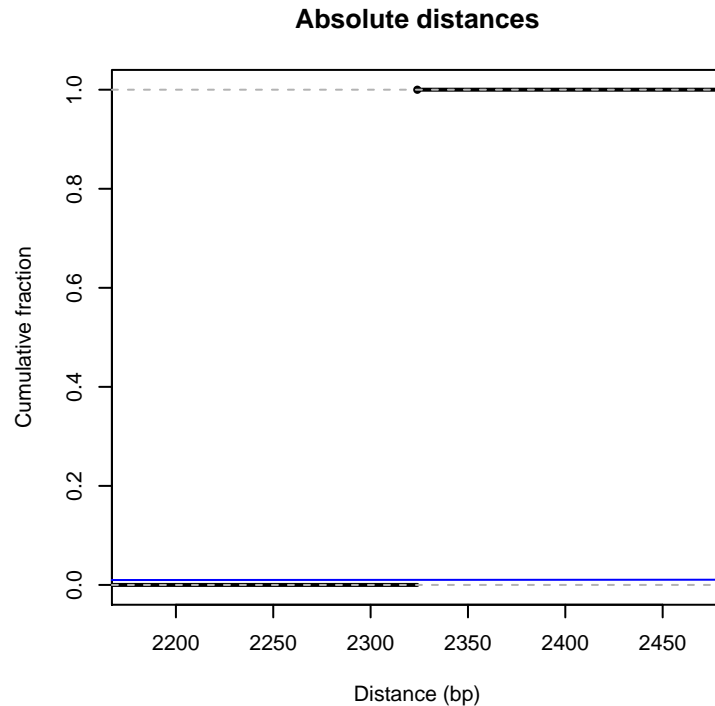
pcontig_181

Query population : 1
Reference population : 5
Relative Ks p-value : 0.00957098
Relative ecdf deviation area : 0.246924
Relative ecdf area correlation : 0.990429
Relative ecdf deviation 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 : 0.0022885
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



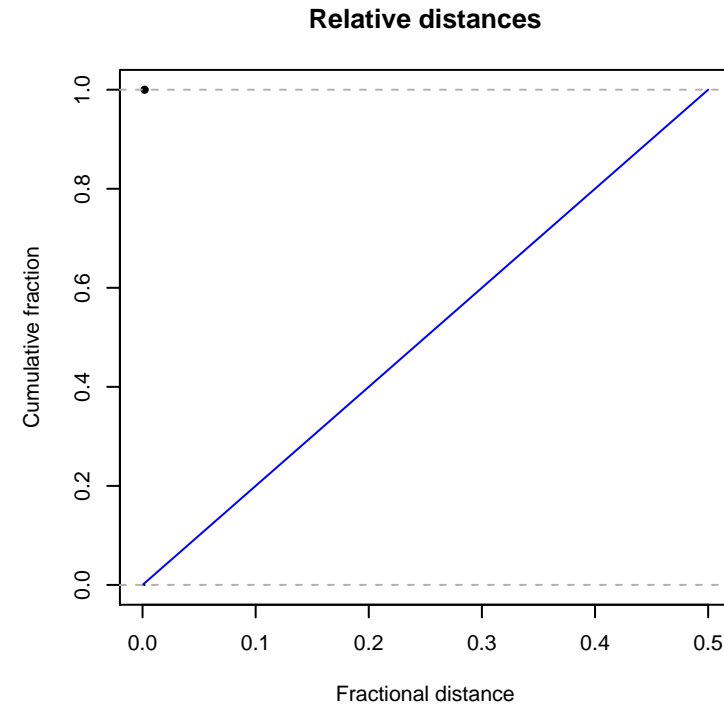
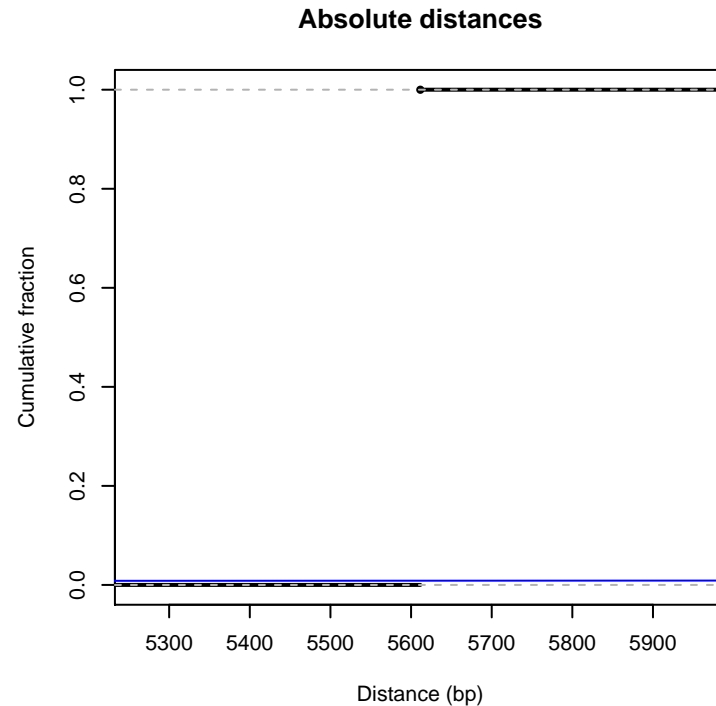
pcontig_186

Query population : 1
Reference population : 10
Relative Ks p-value : 0.312579
Relative ecdf deviation area : 0.184082
Relative ecdf area correlation : -0.687421
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 : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00540809
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



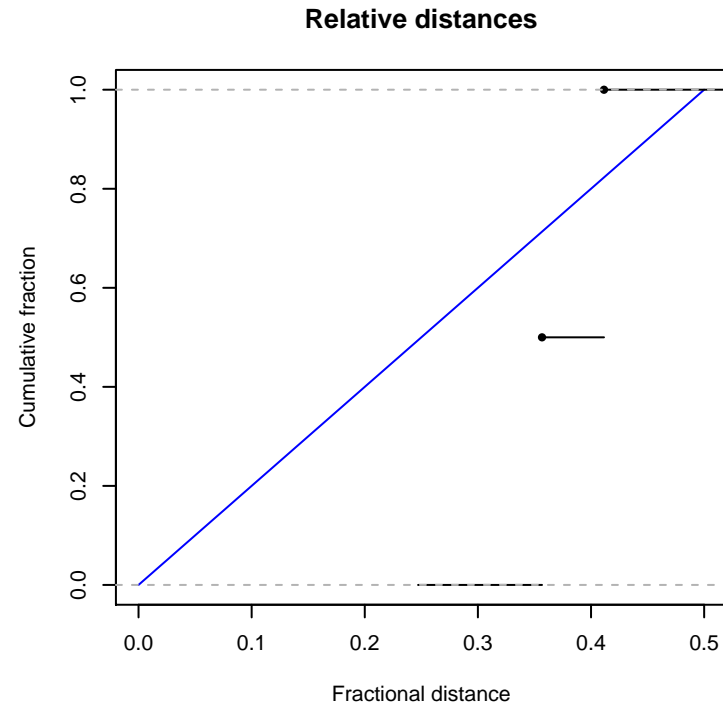
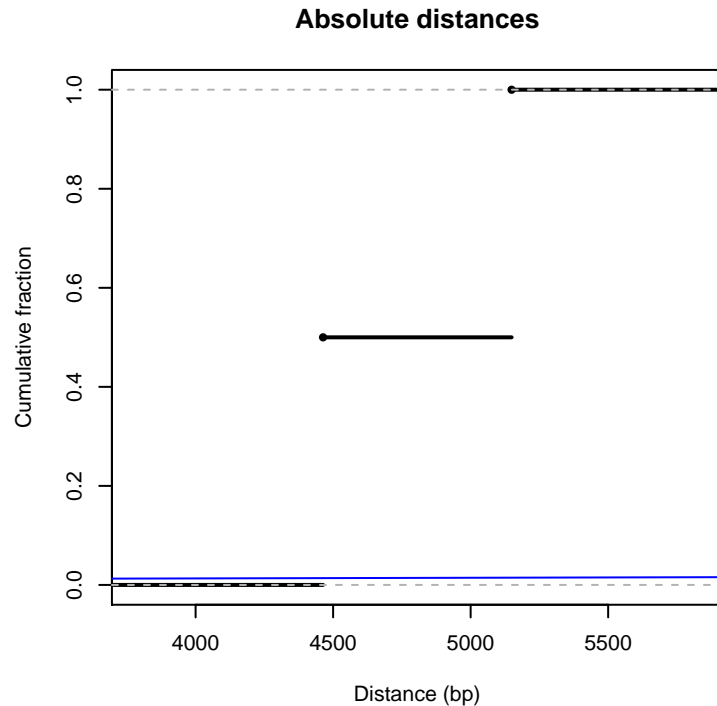
pcontig_187

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



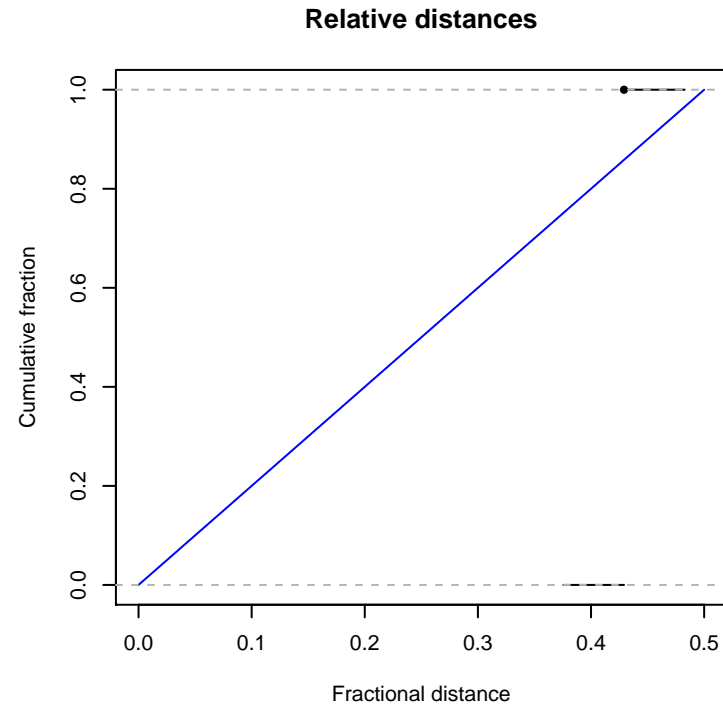
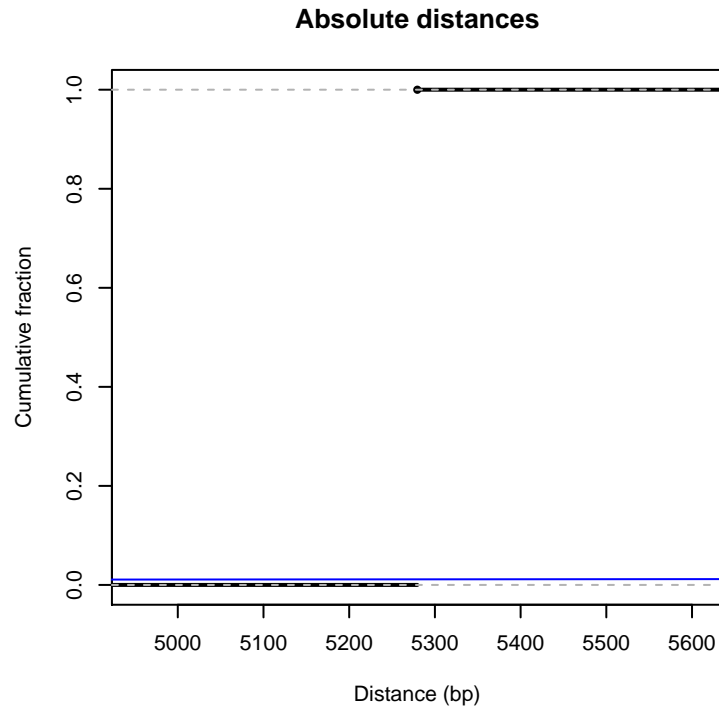
pcontig_188

Query population : 2
Reference population : 12
Relative Ks p-value : 0.164324
Relative ecdf deviation area : 0.149882
Relative ecdf area correlation : -0.536279
Relative ecdf deviation area p-value : 0.22
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.010618
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



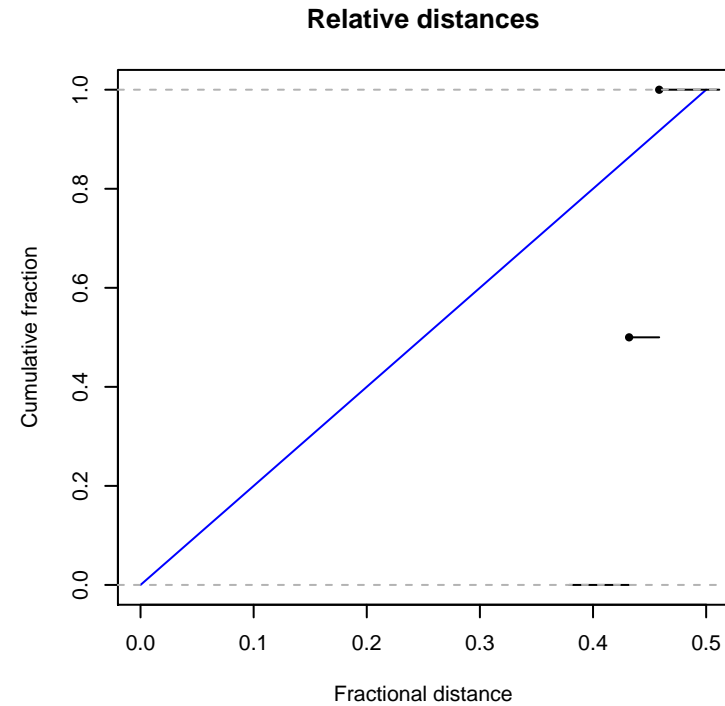
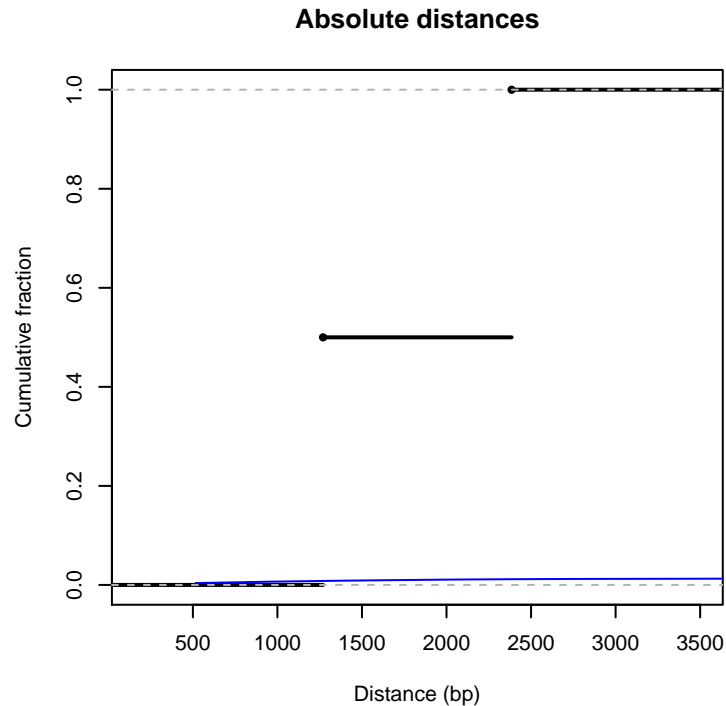
pcontig_189

Query population : 1
Reference population : 7
Relative Ks p-value : 0.283369
Relative ecdf deviation area : 0.189188
Relative ecdf area correlation : -0.716631
Relative ecdf deviation area p-value : 0.27
Scaled Absolute min. distance p-value : 0.02
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.00285442
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



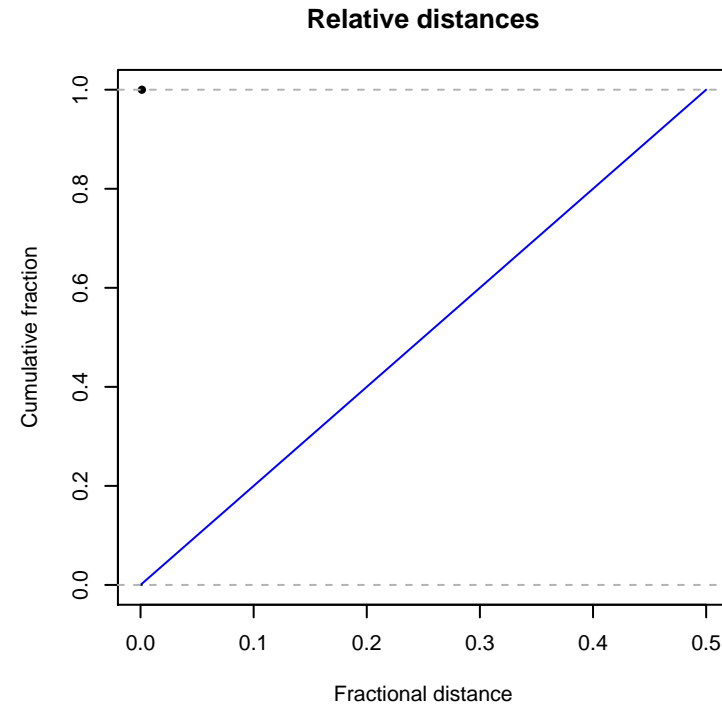
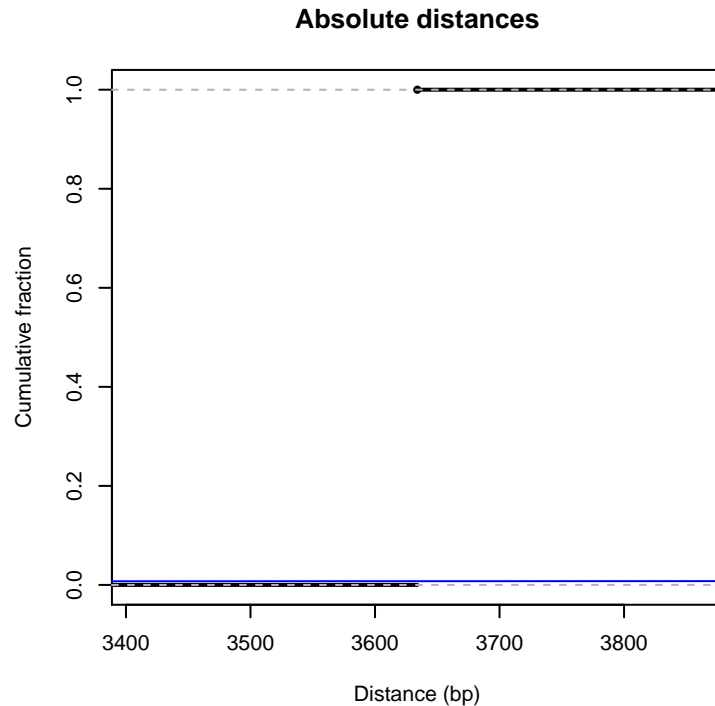
pcontig_203

Query population : 2
Reference population : 11
Relative Ks p-value : 0.0370914
Relative ecdf deviation area : 0.198835
Relative ecdf area correlation : -0.780785
Relative ecdf deviation area p-value : 0.06000000000000001
Scaled Absolute min. distance p-value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p-value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p-value : 0.0103712
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



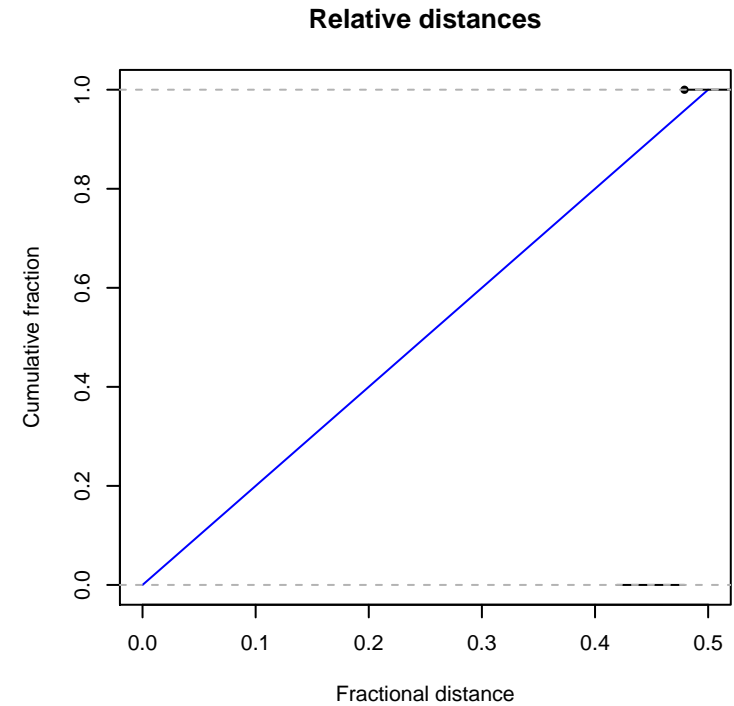
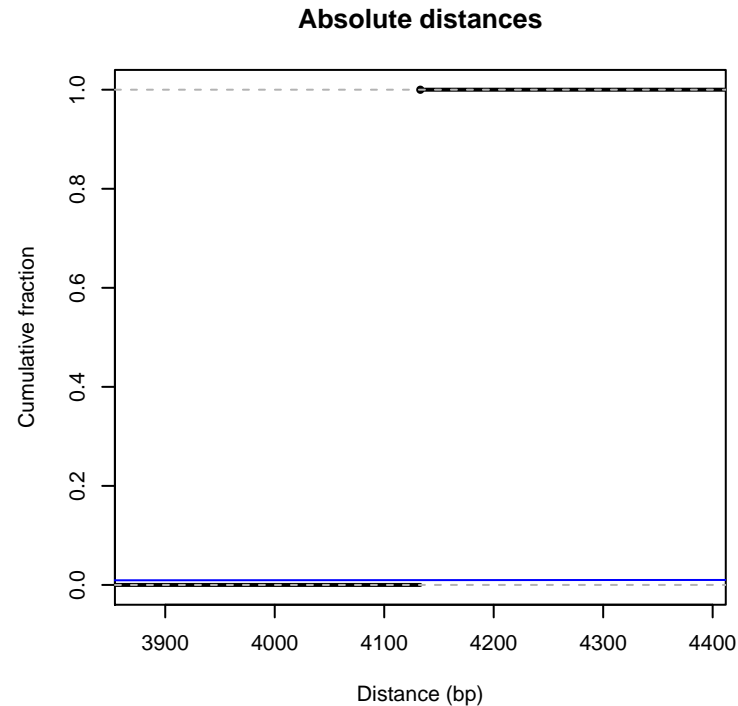
pcontig_218

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 : 5
Relative Ks p-value : 0.0836907
Relative ecdf deviation area : 0.230263
Relative ecdf area correlation : -0.916309
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 : 0.00272348
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0



All Chromosomes

Query population : 1444
Reference population : 14194
Relative Ks p-value : 0
Relative ecdf deviation area : 0.0940479
Relative ecdf area correlation : -0.375907
Relative ecdf deviation 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 : 1.09215e-39
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0

