pcontig_000
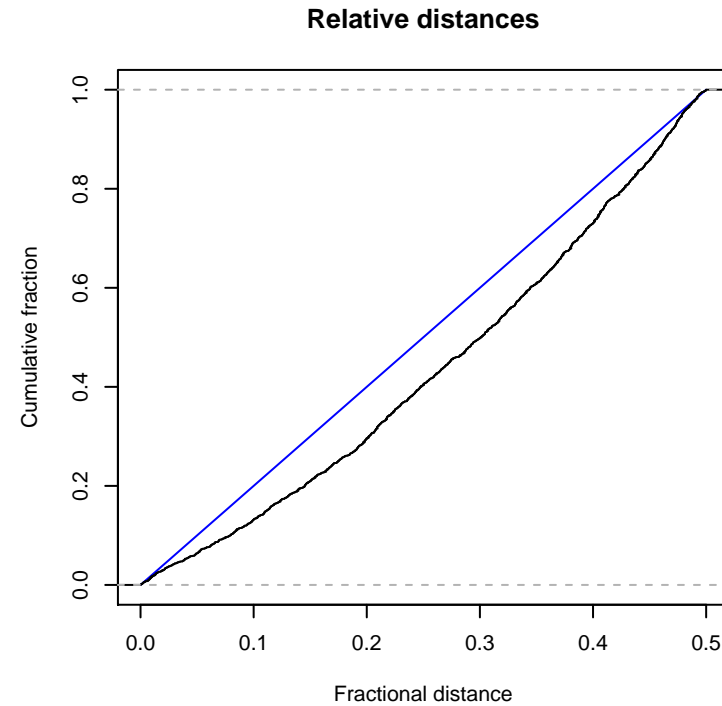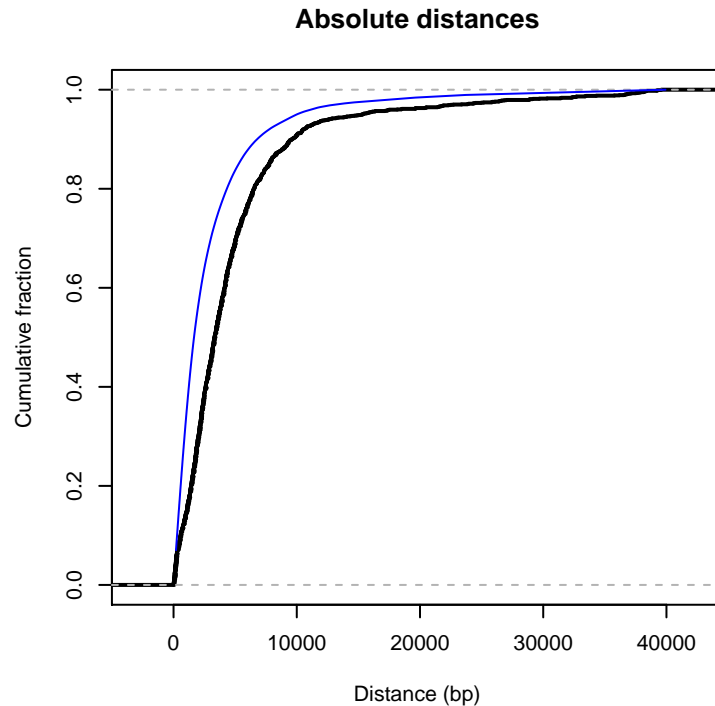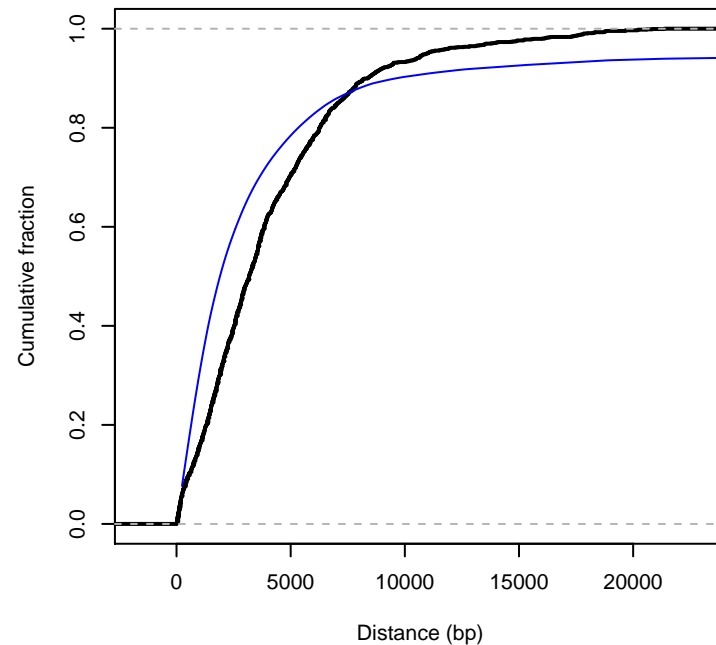
Query population : 1836
Reference population : 540
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0343472
Relative ecdf area correlation : −0.138006
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : FALSE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.28574e−84
Projection test lower tail : TRUE
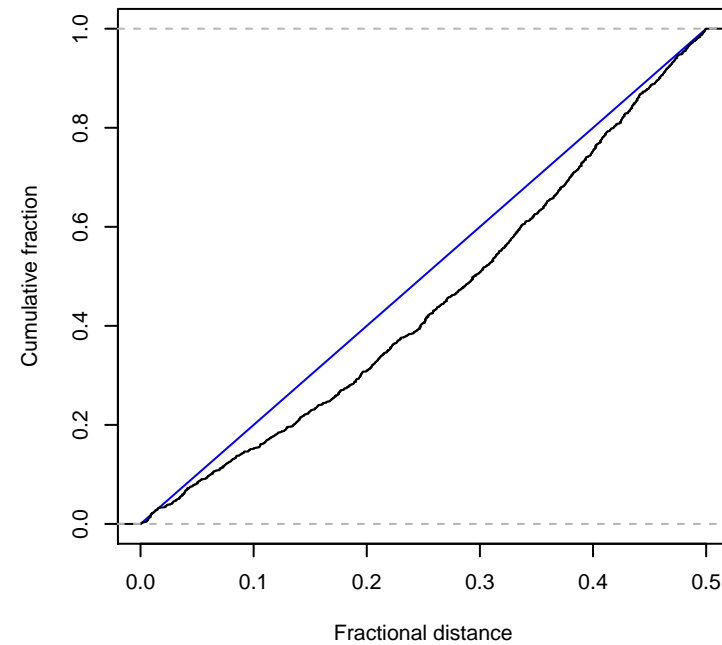Projection test observed to expected ratio : 0.332729

Absolute distances

Relative distances

pcontig_001

Query population : 1560
Reference population : 490
Relative Ks p−value : 9.11493e−14
Relative ecdf deviation area : 0.0272959
Relative ecdf area correlation : −0.110056
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.97265e−52
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.390828

Absolute distances

Relative distances
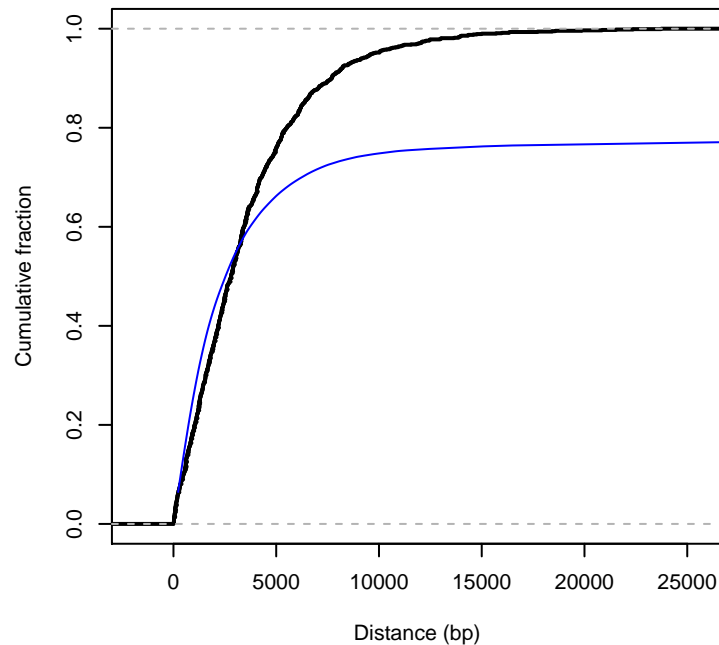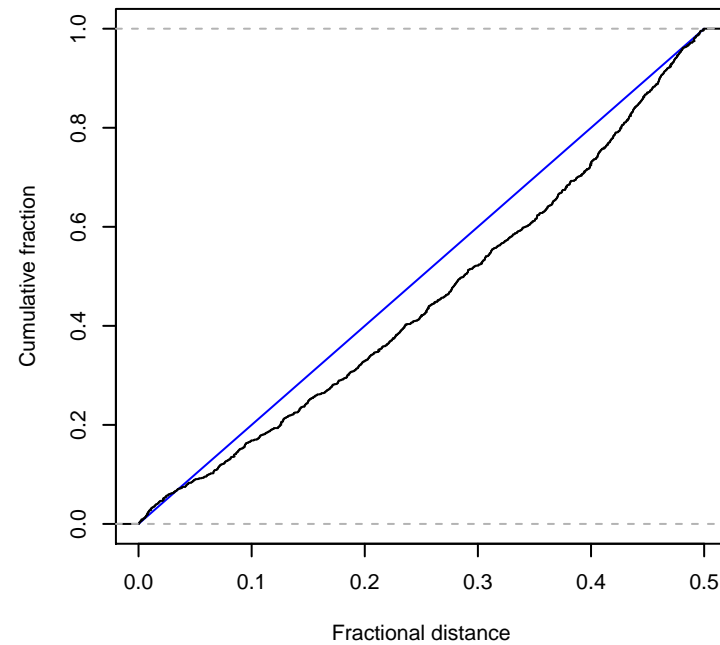
Absolute distances

Relative distances

pcontig_002

Query population : 1204
Reference population : 436
Relative Ks p−value : 1.31096e−08
Relative ecdf deviation area : 0.0258634
Relative ecdf area correlation : −0.102181
Relative ecdf deviation 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 : 1.47521e−31
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.459514
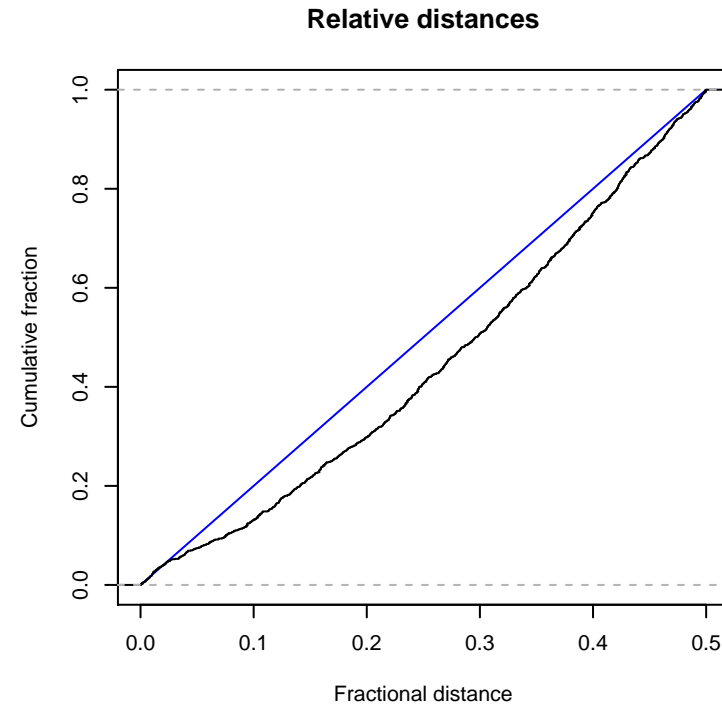
Cumulative fraction

Distance (bp)

Cumulative fraction

Fractional distance
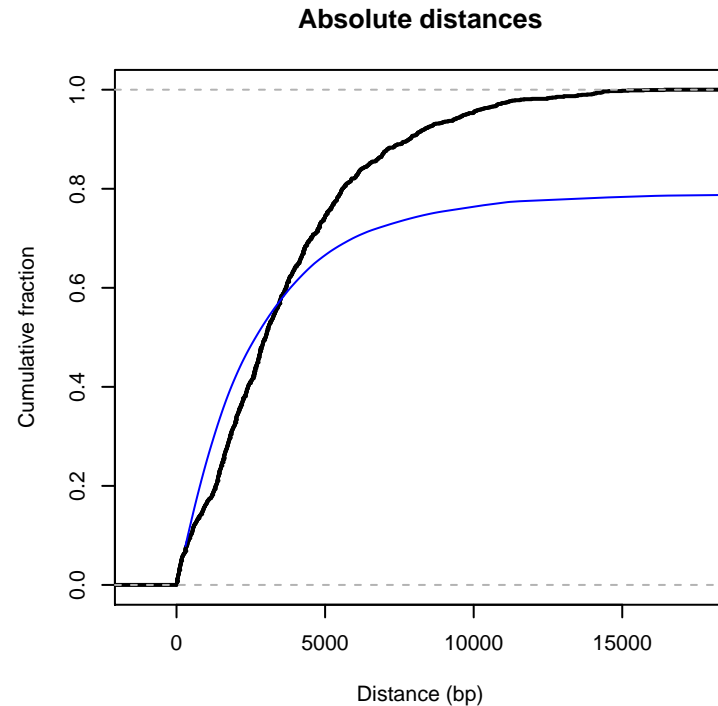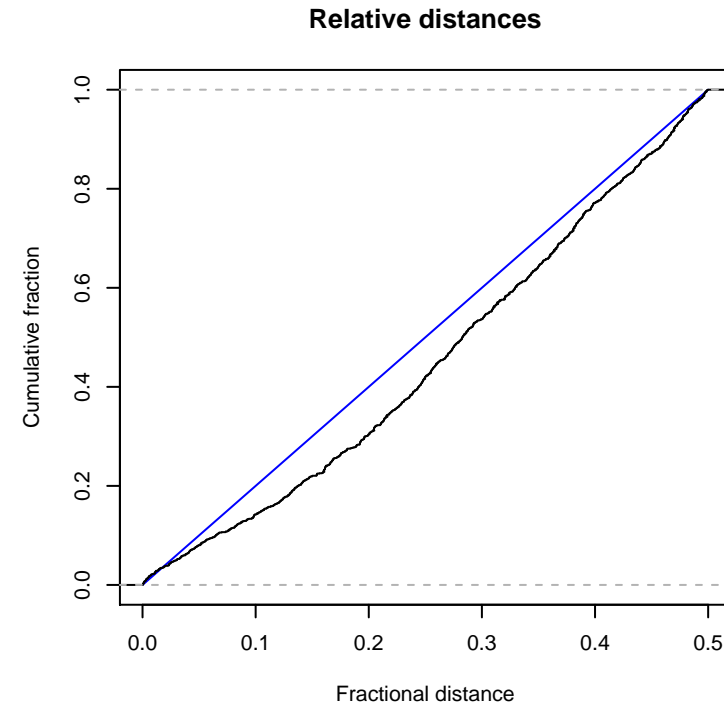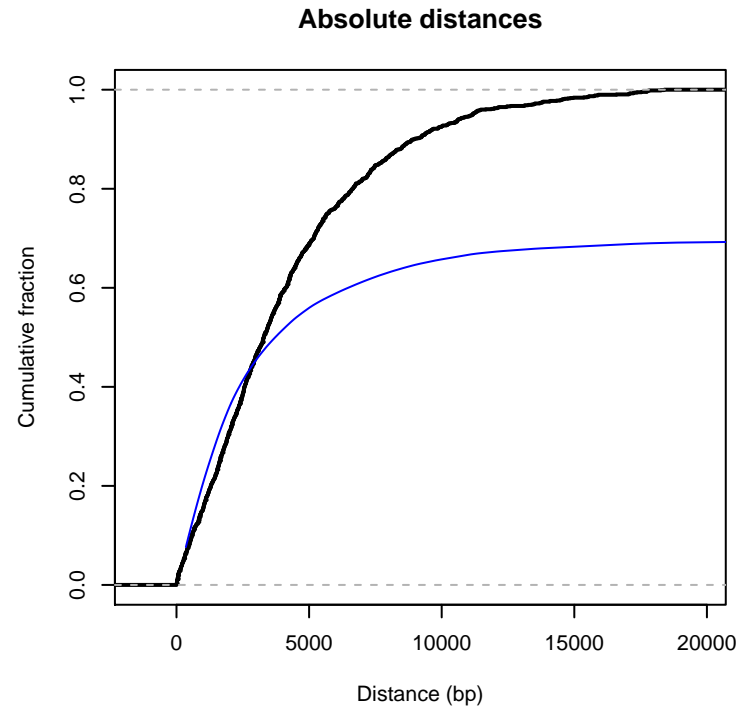
pcontig_003

Query population : 1462
Reference population : 403
Relative Ks p−value : 7.10543e−15
Relative ecdf deviation area : 0.0308638
Relative ecdf area correlation : −0.123335
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 2.75921e−27
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.476108

Absolute distances

Cumulative fraction

Distance (bp)

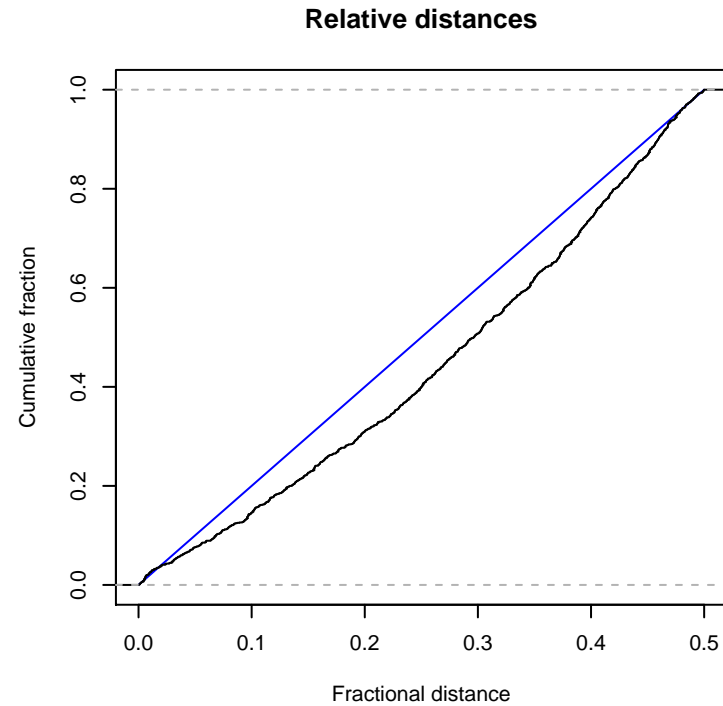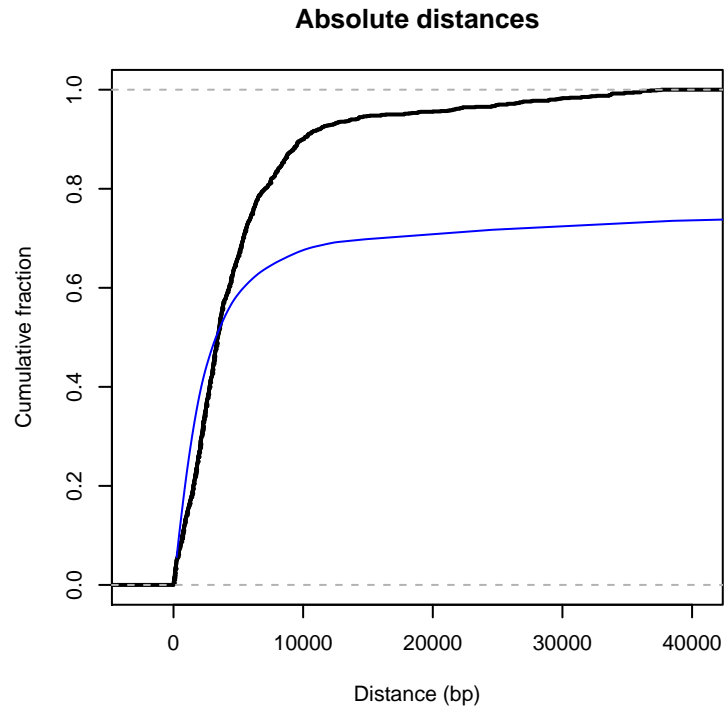**Relative distances**

Cumulative fraction

Fractional distance

pcontig_004

Query population : 1370
Reference population : 332
Relative Ks p−value : 1.80056e−12
Relative ecdf deviation area : 0.0259926
Relative ecdf area correlation : −0.103357
Relative ecdf deviation 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 : 1.30928e−22
Projection test lower tail : TRUE
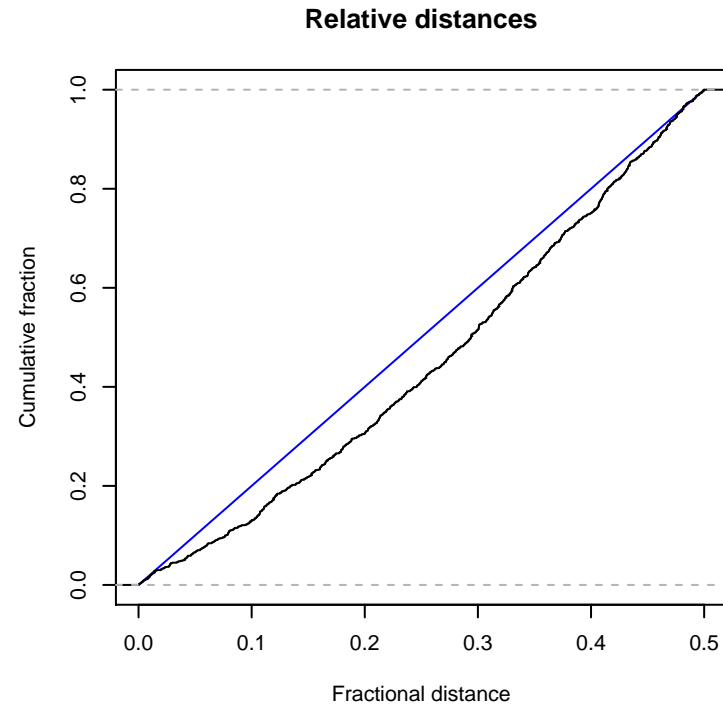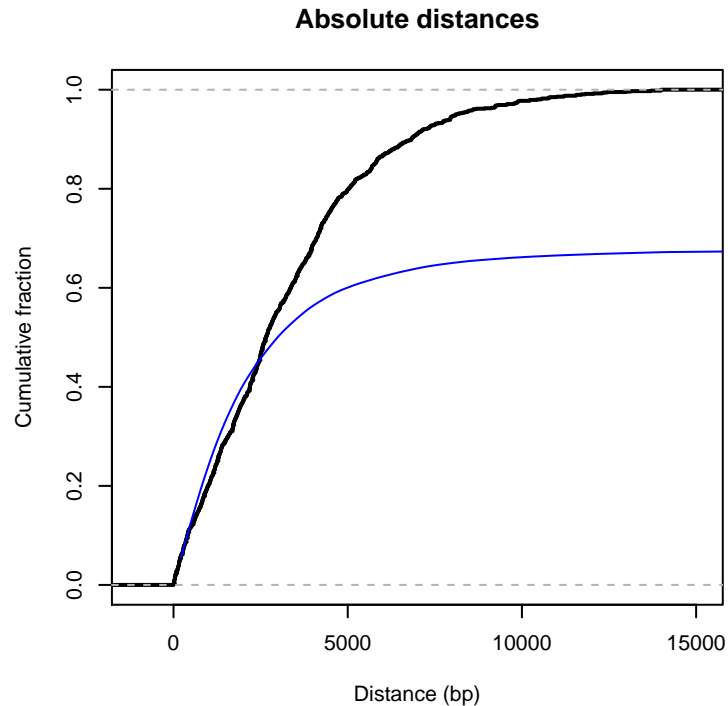Projection test observed to expected ratio : 0.490348

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

pcontig_005

Query population : 1300
Reference population : 359
Relative Ks p−value : 8.63309e−13
Relative ecdf deviation area : 0.0301628
Relative ecdf area correlation : −0.120388
Relative ecdf deviation 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 : 1.04617e−31
Projection test lower tail : TRUE
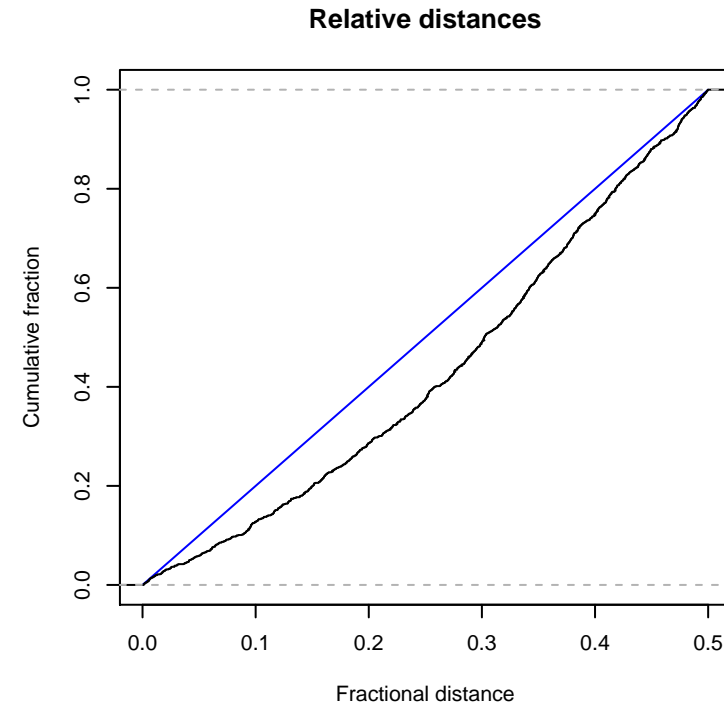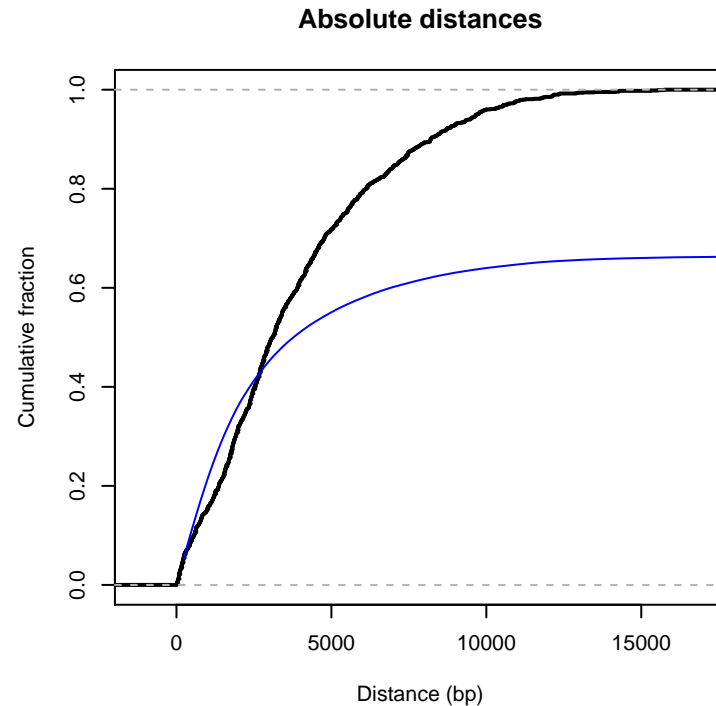Projection test observed to expected ratio : 0.419982

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances

Relative distances

pcontig_006

Query population : 1069
Reference population : 395
Relative Ks p−value : 9.04068e−09
Relative ecdf deviation area : 0.0276868
Relative ecdf area correlation : −0.110458
Relative ecdf deviation 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 : 5.12892e−12
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.611942

Absolute distances
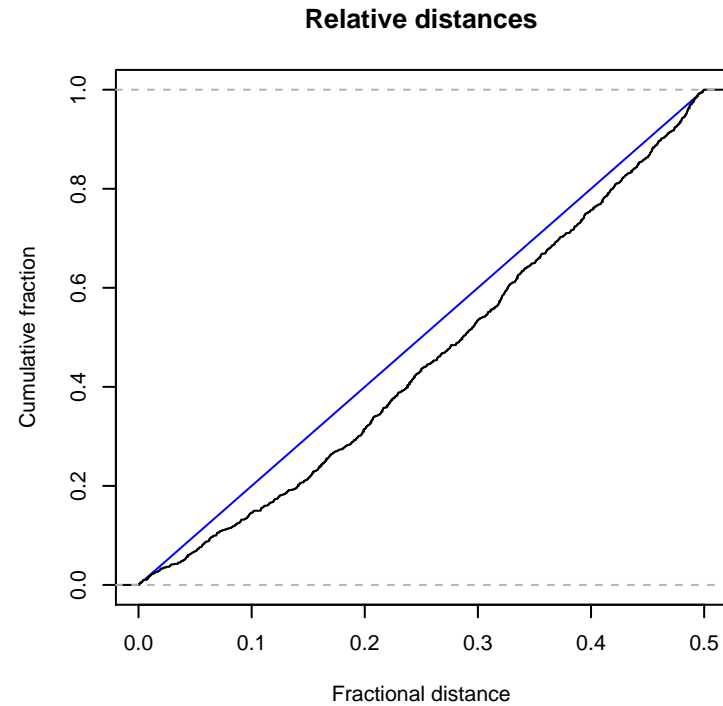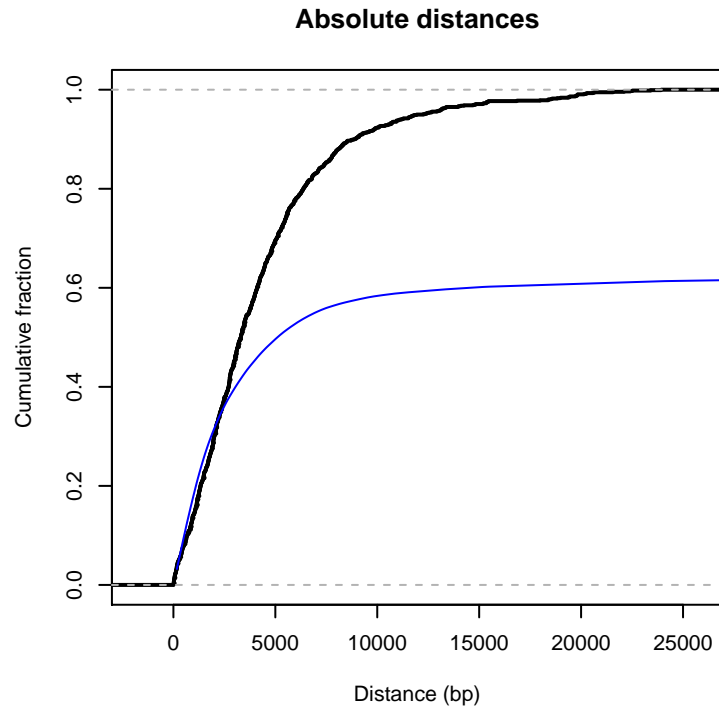
Relative distances

pcontig_007

Query population : 1310
Reference population : 349
Relative Ks p−value : 0
Relative ecdf deviation area : 0.0363616
Relative ecdf area correlation : −0.145581
Relative ecdf deviation 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 : 1.68871e−22
Projection test lower tail : TRUE
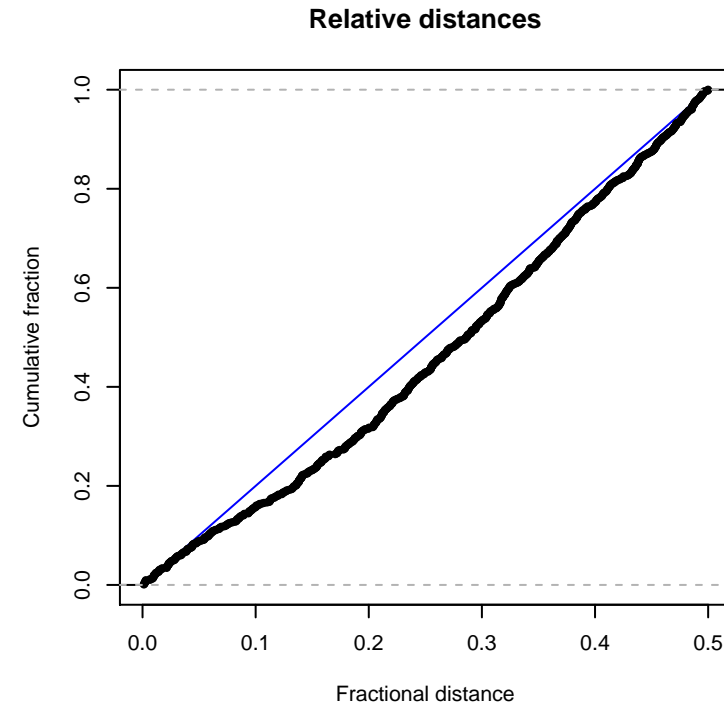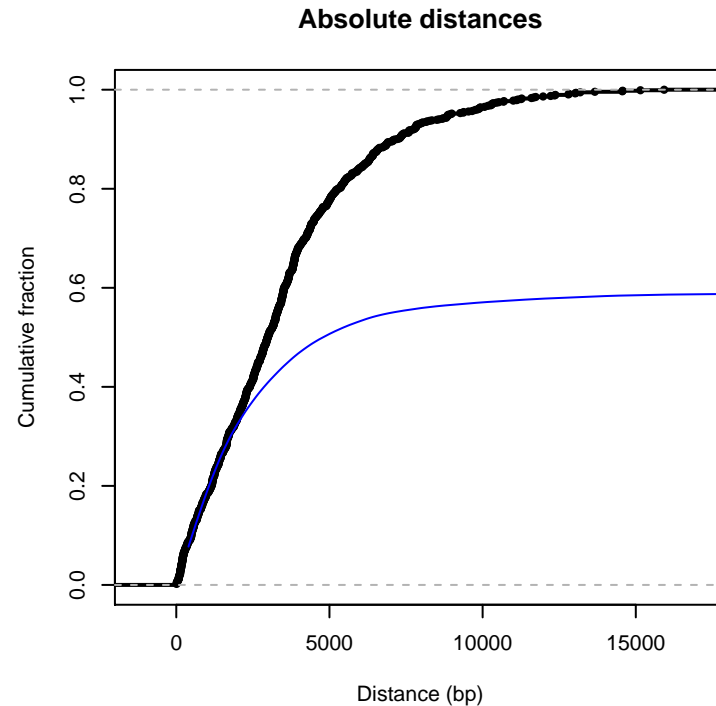Projection test observed to expected ratio : 0.468137

Absolute distances

Relative distances

pcontig_008

Query population : 1175
Reference population : 293
Relative Ks p−value : 5.39185e−09
Relative ecdf deviation area : 0.0258691
Relative ecdf area correlation : −0.103926
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 6.79742e−19
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.463631

Absolute distances
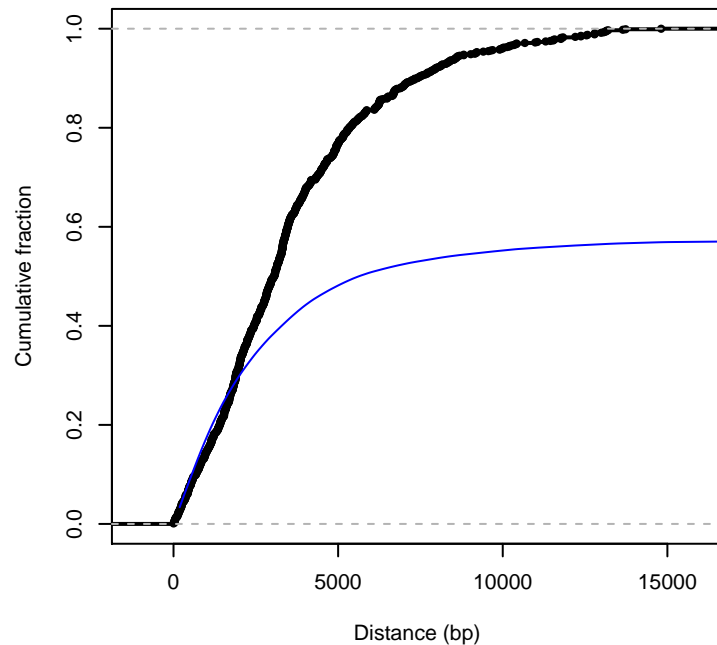
Relative distances

pcontig_009

Query population : 954
Reference population : 298
Relative Ks p−value : 4.74087e−07
Relative ecdf deviation area : 0.022245
Relative ecdf area correlation : −0.0887822
Relative ecdf deviation 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 : 0.041324
Projection test lower tail : TRUE
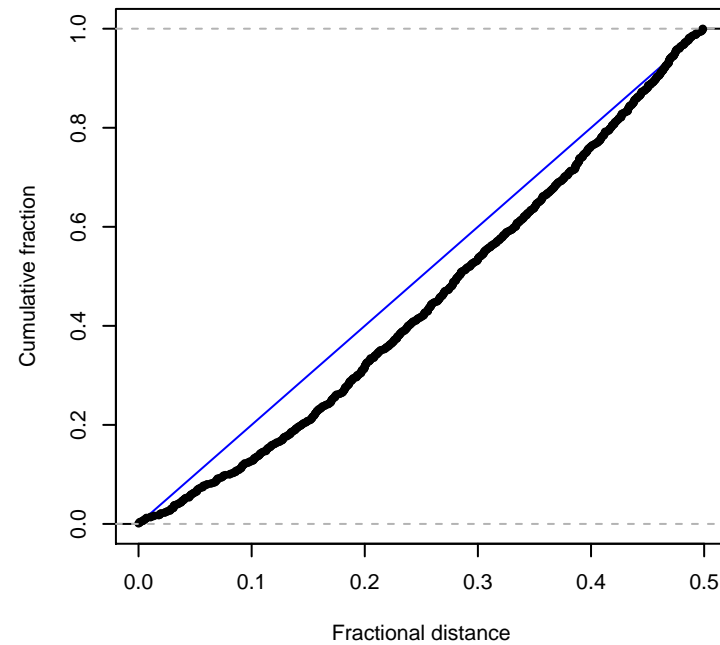Projection test observed to expected ratio : 0.884083

pcontig_010

Query population : 972
Reference population : 279
Relative Ks p−value : 3.1182e−08
Relative ecdf deviation area : 0.0276599
Relative ecdf area correlation : −0.109894
Relative ecdf deviation 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 : 1.10111e−10
Projection test lower tail : TRUE
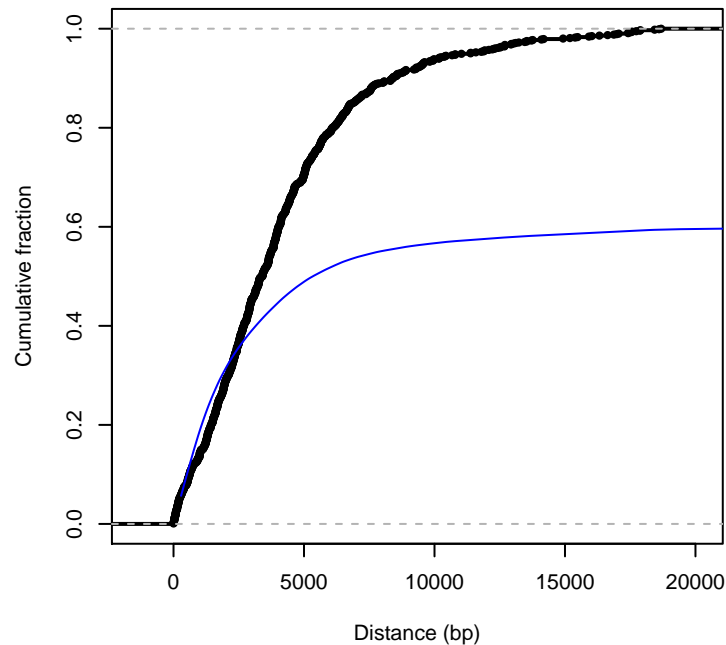Projection test observed to expected ratio : 0.517551
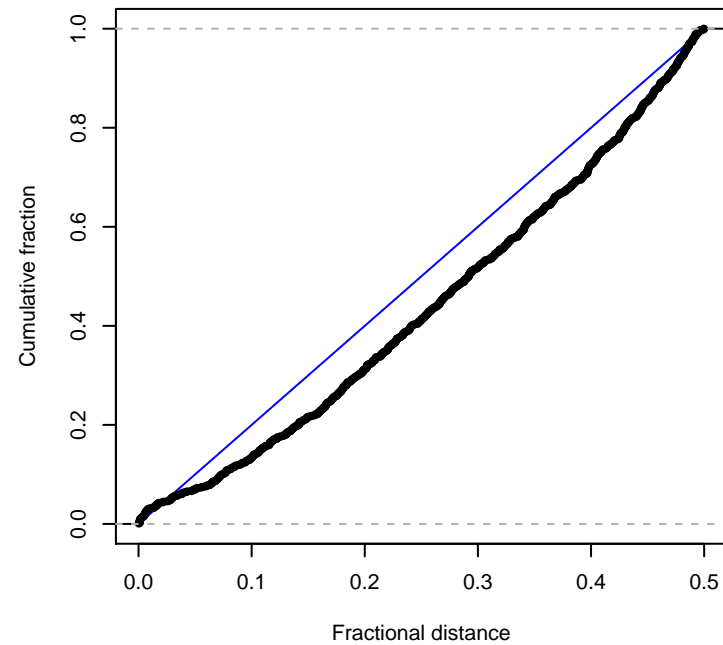
Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_011

Query population : 1007
Reference population : 302
Relative Ks p−value : 1.97312e−08
Relative ecdf deviation area : 0.0325841
Relative ecdf area correlation : −0.128392
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : TRUE
Projection test p−value : 3.78881e−14
Projection test lower tail : TRUE
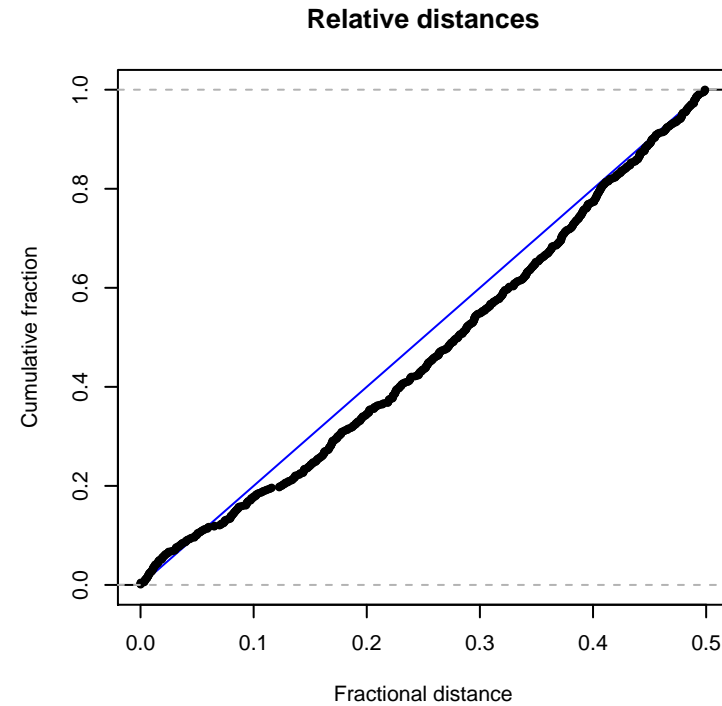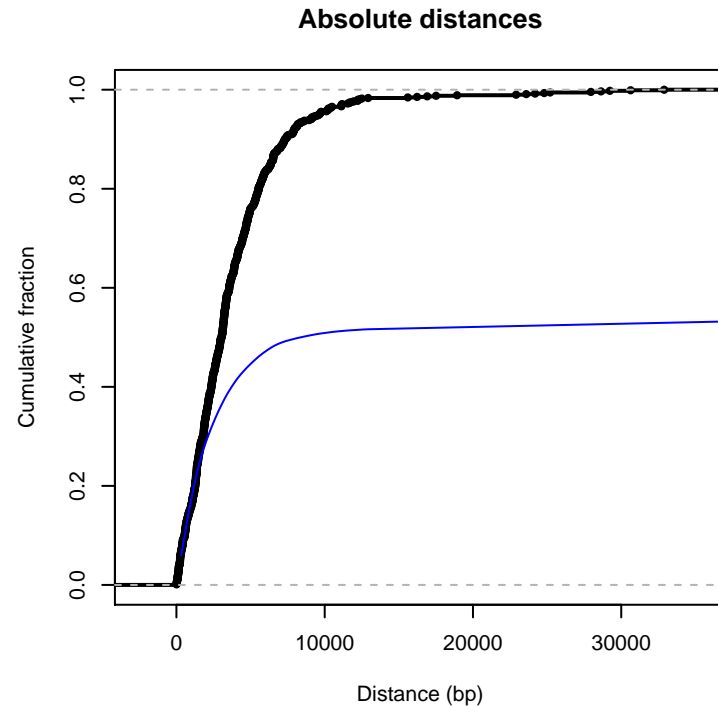Projection test observed to expected ratio : 0.524708

Absolute distances
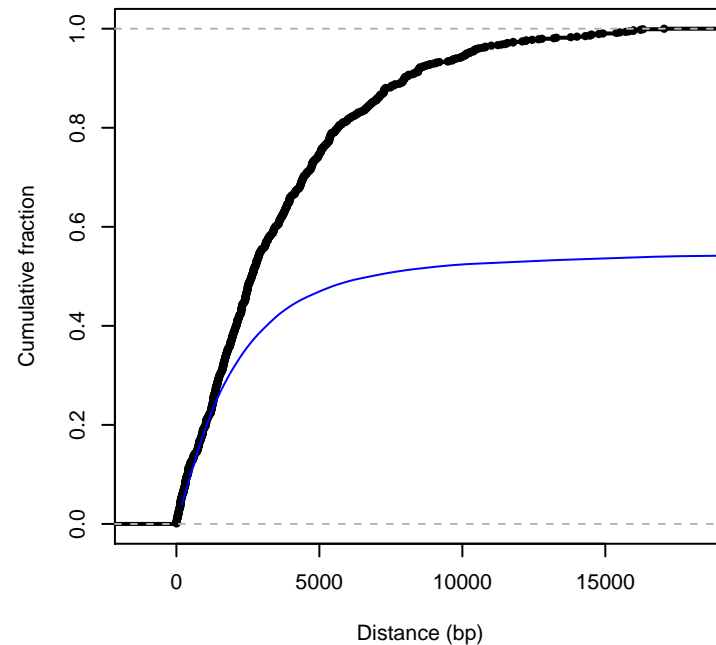
Relative distances

pcontig_012

Query population : 897
Reference population : 280
Relative Ks p−value : 0.000284861
Relative ecdf deviation area : 0.0181501
Relative ecdf area correlation : −0.0688086
Relative ecdf deviation 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 : 0.000254057
Projection test lower tail : TRUE
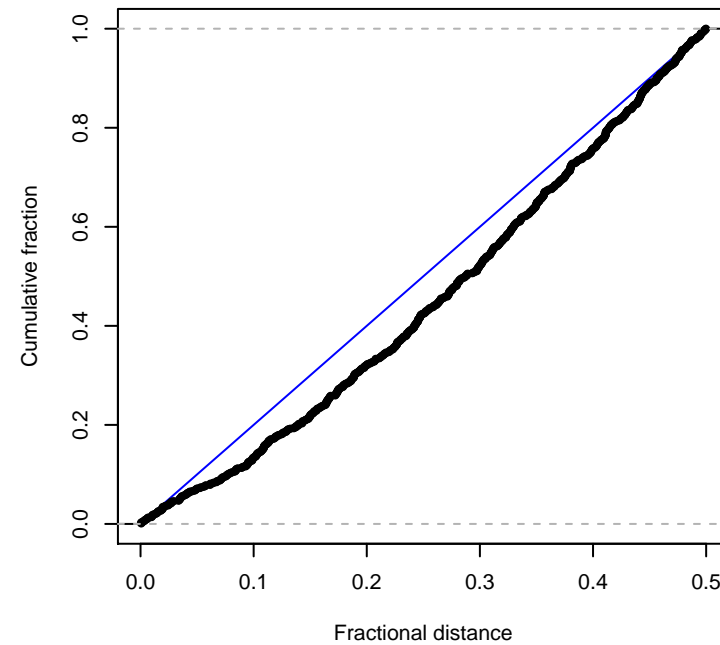Projection test observed to expected ratio : 0.721828

Absolute distances

Relative distances

pcontig_013

Query population : 936
Reference population : 312
Relative Ks p−value : 1.07963e−07
Relative ecdf deviation area : 0.0265335
Relative ecdf area correlation : −0.106165
Relative ecdf deviation 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 : 0.0163423
Projection test lower tail : TRUE
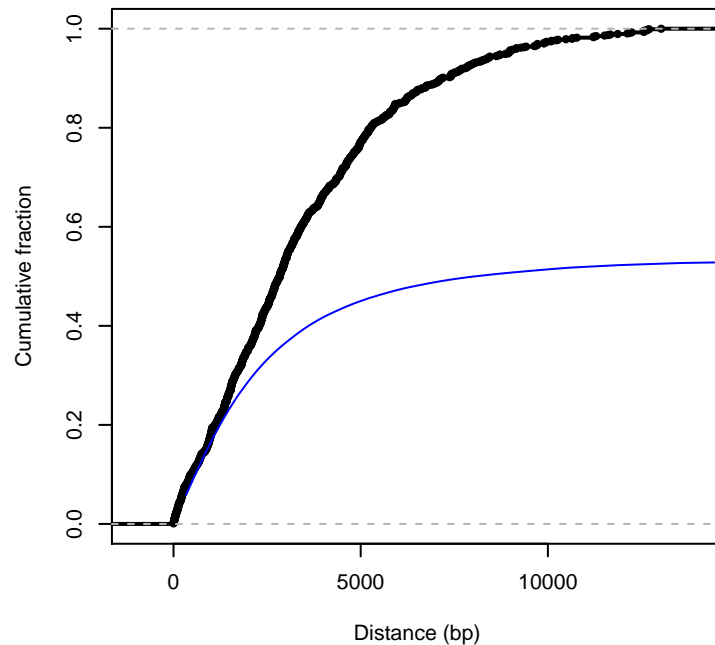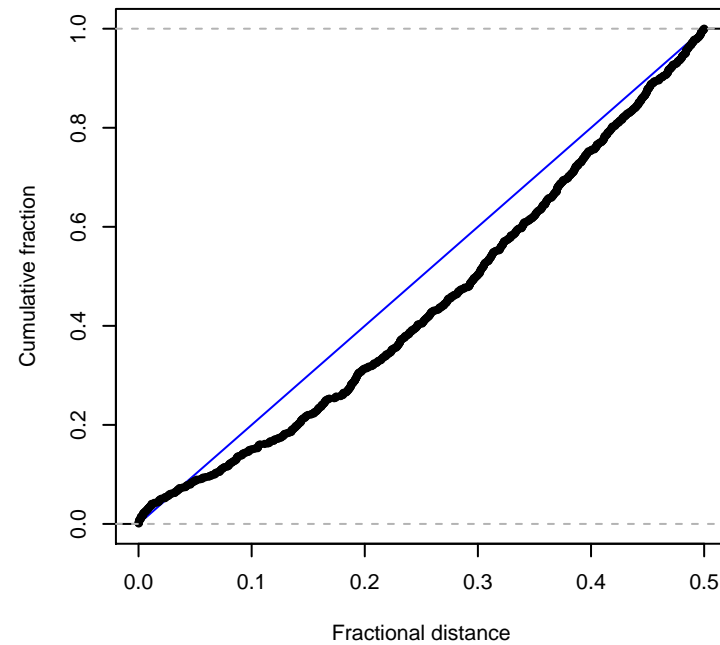Projection test observed to expected ratio : 0.836935

pcontig_014

Query population : 941
Reference population : 267
Relative Ks p−value : 1.51662e−09
Relative ecdf deviation area : 0.0299124
Relative ecdf area correlation : −0.117104
Relative ecdf deviation 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 : 0.00254918
Projection test lower tail : TRUE
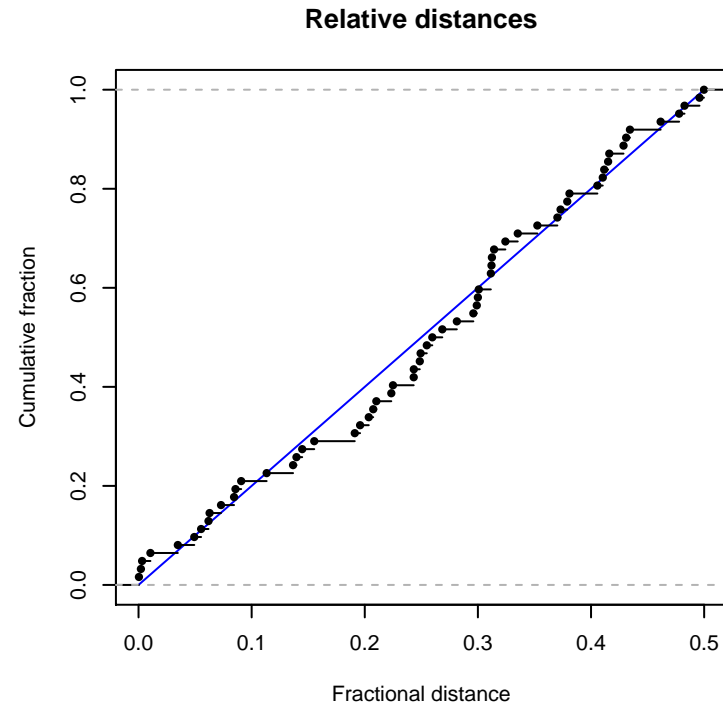Projection test observed to expected ratio : 0.782301
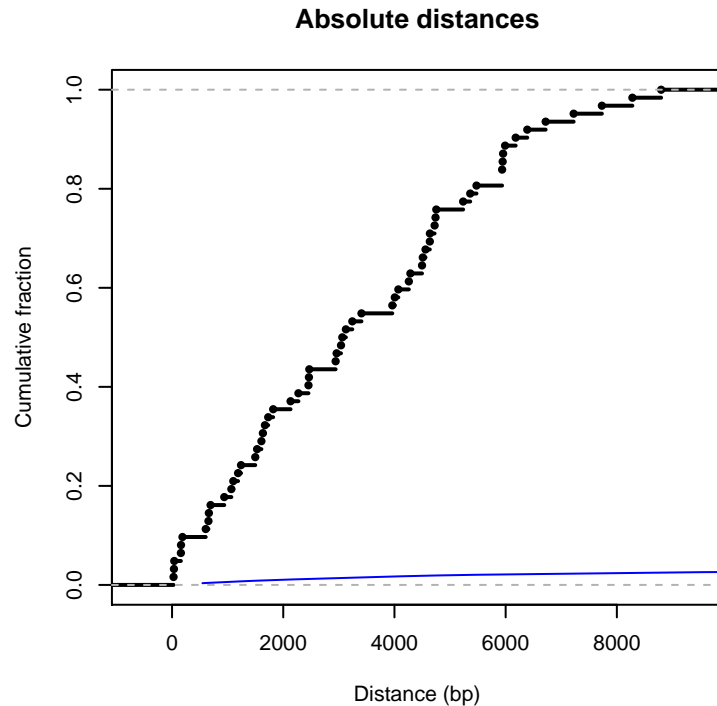
Absolute distances

Relative distances

pcontig_015

Query population : 62
Reference population : 10
Relative Ks p−value : 0.636596
Relative ecdf deviation area : 0.0138161
Relative ecdf area correlation : −0.0227526
Relative ecdf deviation area p−value : 0.78
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.11647e−09
Projection test lower tail : FALSE
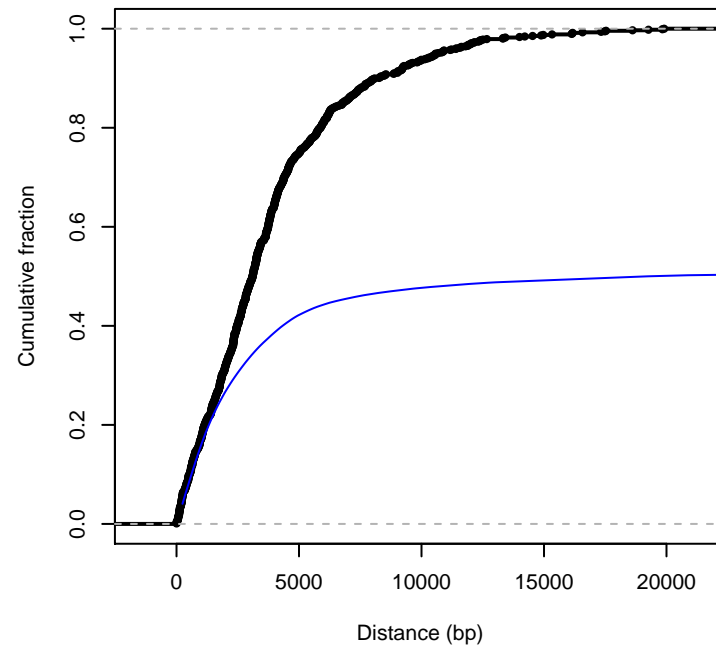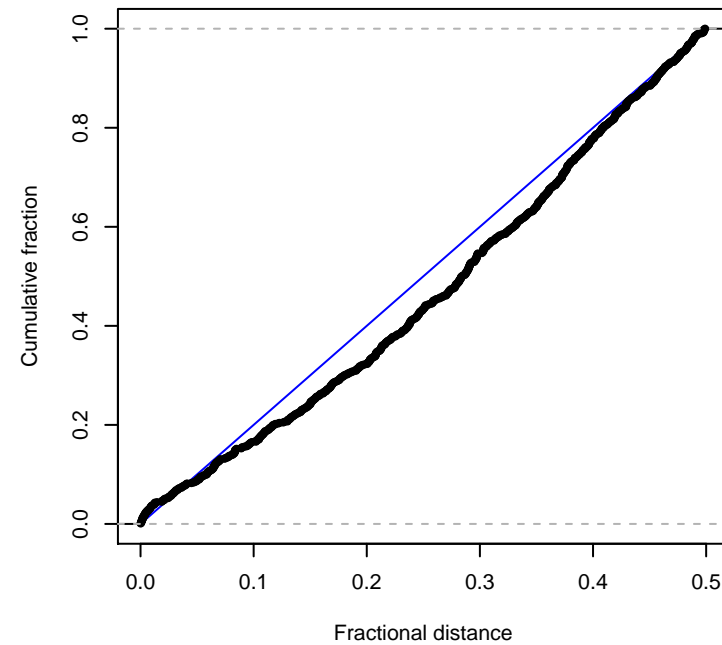Projection test observed to expected ratio : 25.9557

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances

Relative distances

pcontig_016

Query population : 956
Reference population : 257
Relative Ks p−value : 9.54051e−06
Relative ecdf deviation area : 0.0195836
Relative ecdf area correlation : −0.0762505
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.00155853
Projection test lower tail : TRUE
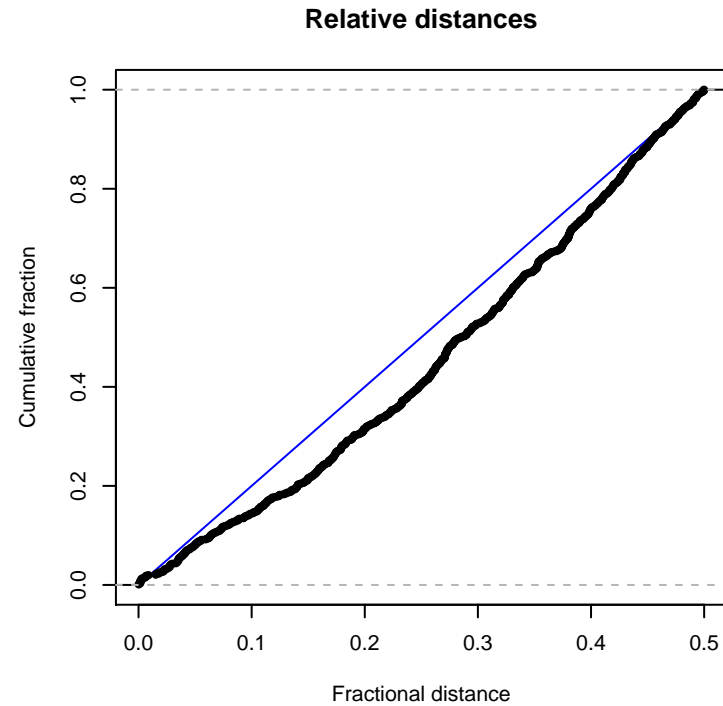Projection test observed to expected ratio : 0.769176

pcontig_017

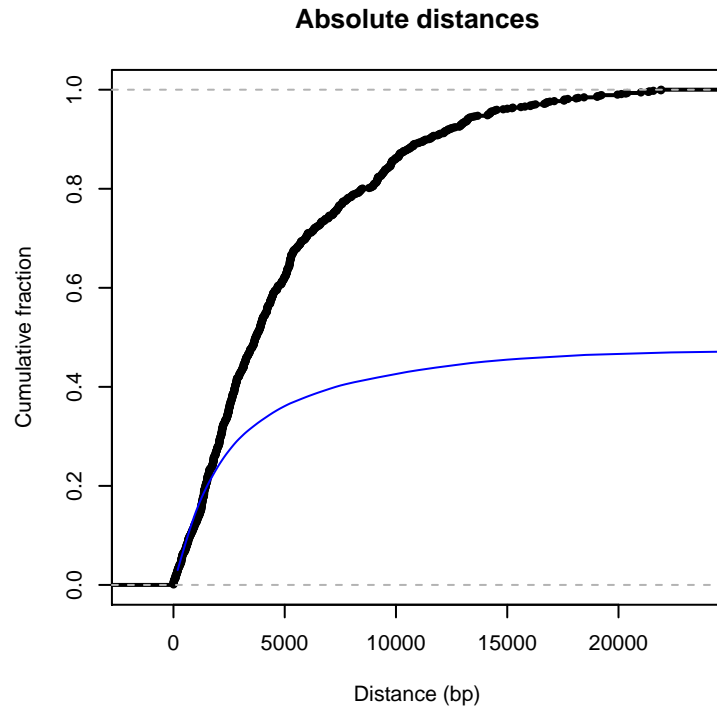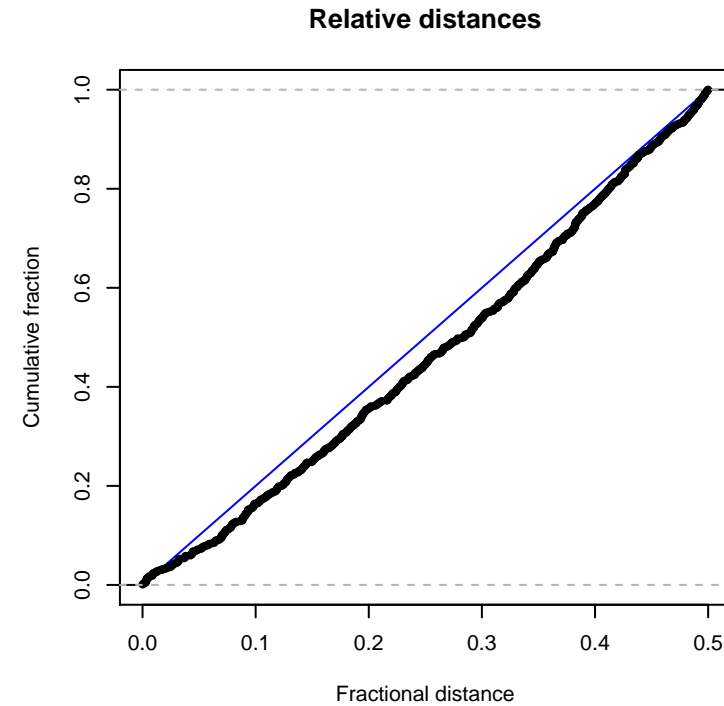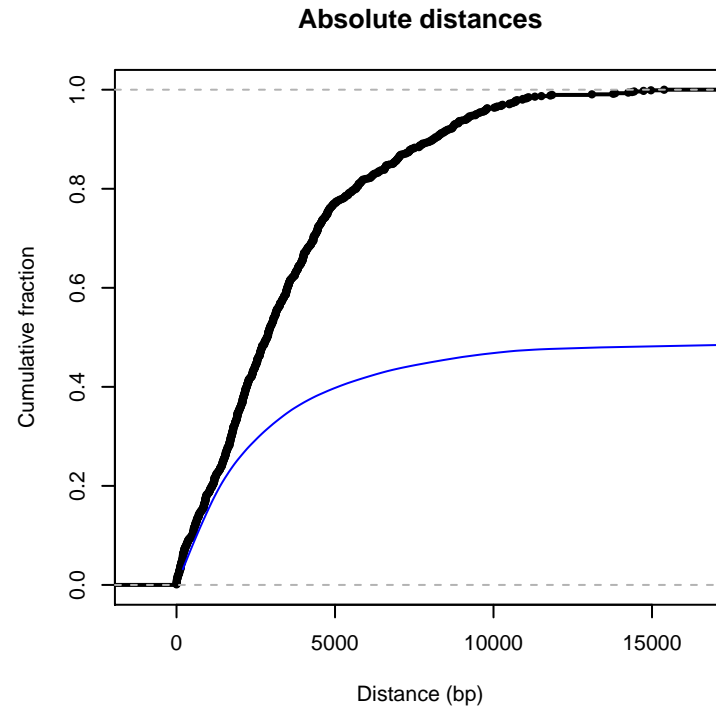Query population : 912
Reference population : 244
Relative Ks p−value : 1.31202e−08
Relative ecdf deviation area : 0.0270376
Relative ecdf area correlation : −0.107433
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.05
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0247767
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.827515

Absolute distances

Relative distances

Absolute distances
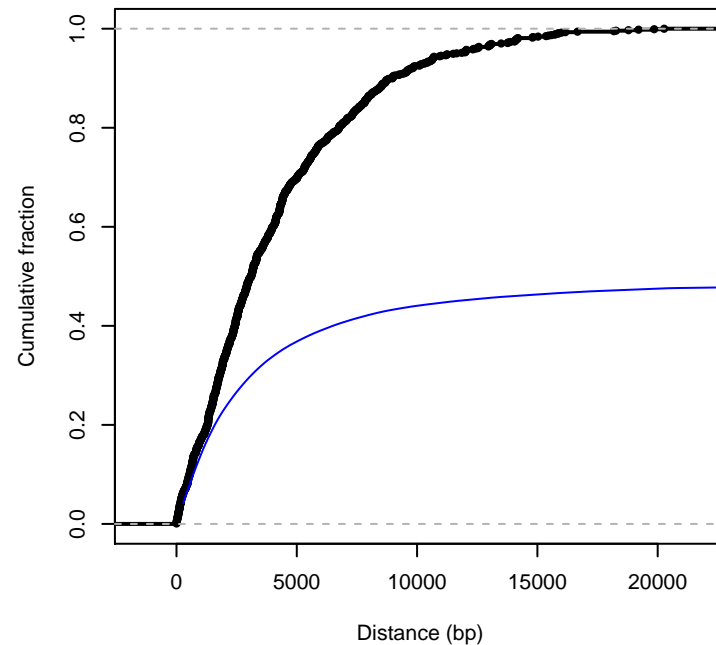
Relative distances

pcontig_018

Query population : 854
Reference population : 245
Relative Ks p−value : 0.000311221
Relative ecdf deviation area : 0.0199202
Relative ecdf area correlation : −0.0792102
Relative ecdf deviation 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 : 0.002957
Projection test lower tail : TRUE
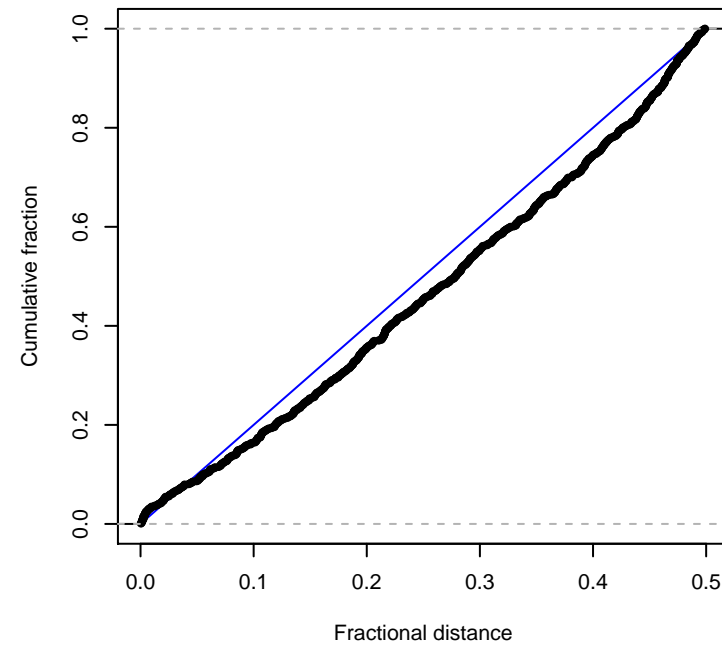Projection test observed to expected ratio : 0.744358

pcontig_019

Query population : 1007
Reference population : 229
Relative Ks p−value : 0.000229445
Relative ecdf deviation area : 0.0202272
Relative ecdf area correlation : −0.0792007
Relative ecdf deviation area p−value : <0.01
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 : 0.0811435
Projection test lower tail : FALSE
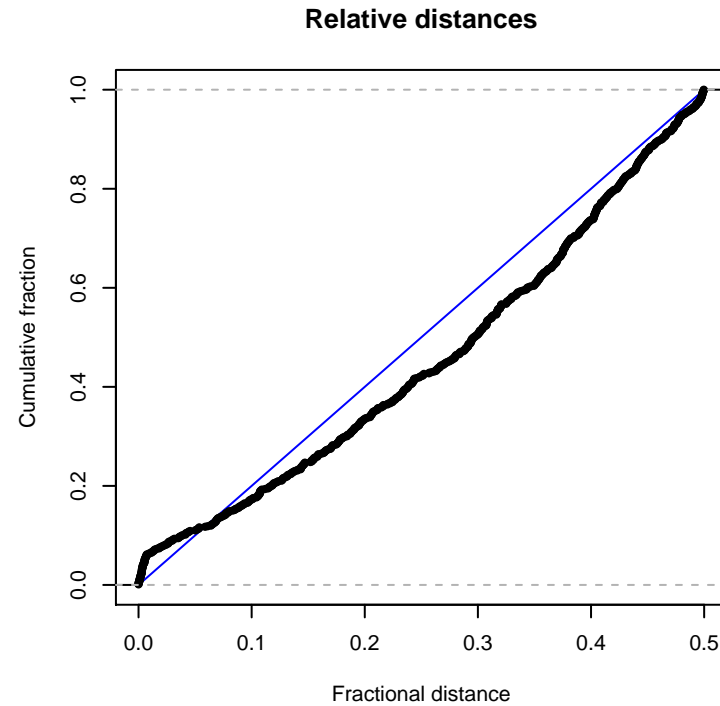Projection test observed to expected ratio : 1.12254
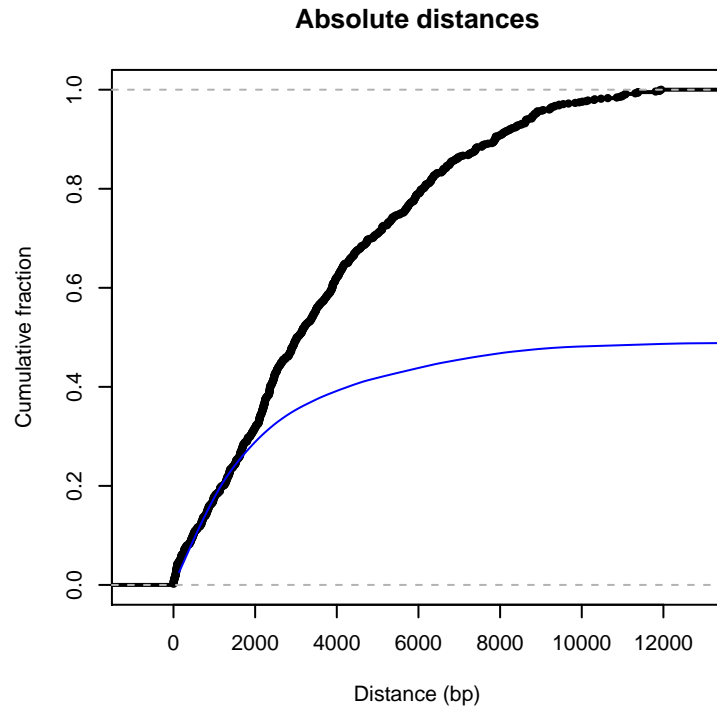
Absolute distances

Relative distances

Absolute distances
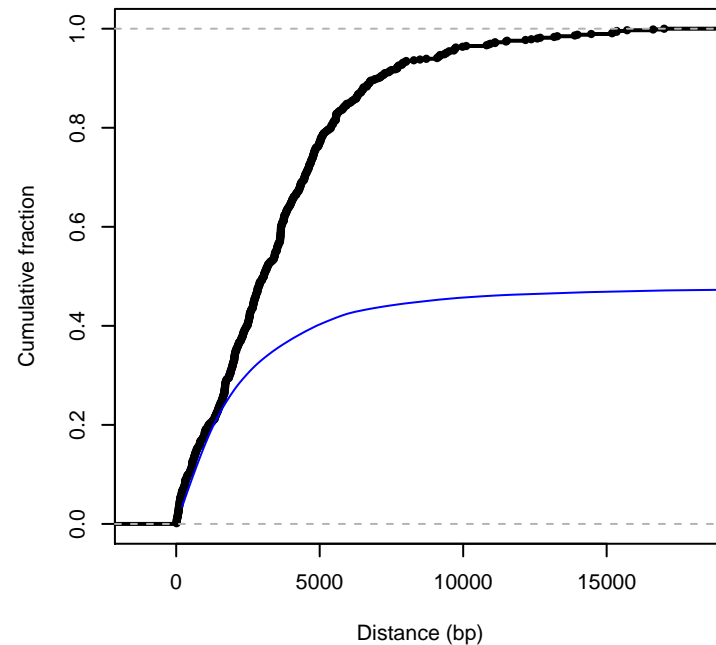
Relative distances

pcontig_020

Query population : 826
Reference population : 287
Relative Ks p−value : 3.85799e−08
Relative ecdf deviation area : 0.0269181
Relative ecdf area correlation : −0.0954778
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.1
Jaccard Measure lower tail : TRUE
Projection test p−value : 3.11717e−05
Projection test lower tail : TRUE
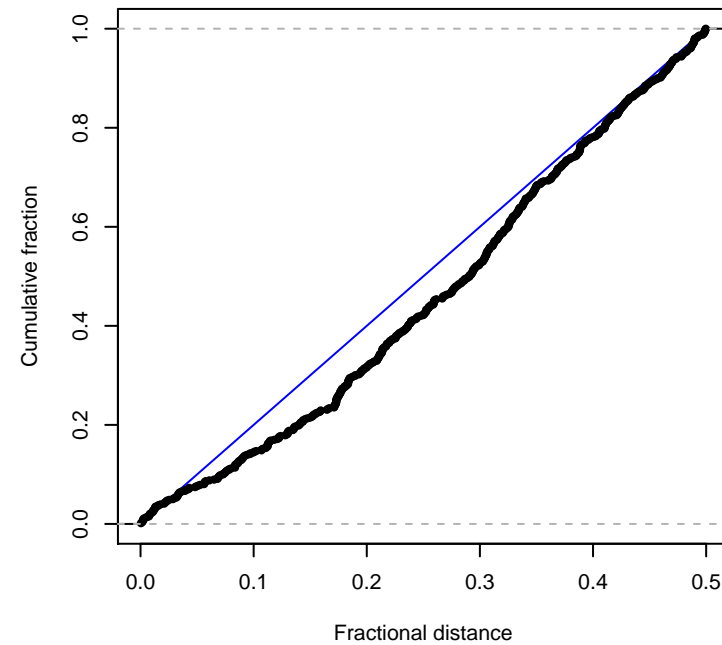Projection test observed to expected ratio : 0.668642

Absolute distances

Relative distances

pcontig_021

Query population : 659
Reference population : 258
Relative Ks p−value : 3.73071e−07
Relative ecdf deviation area : 0.0229187
Relative ecdf area correlation : −0.0911276
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : TRUE
Projection test p−value : 0.0535625
Projection test lower tail : TRUE
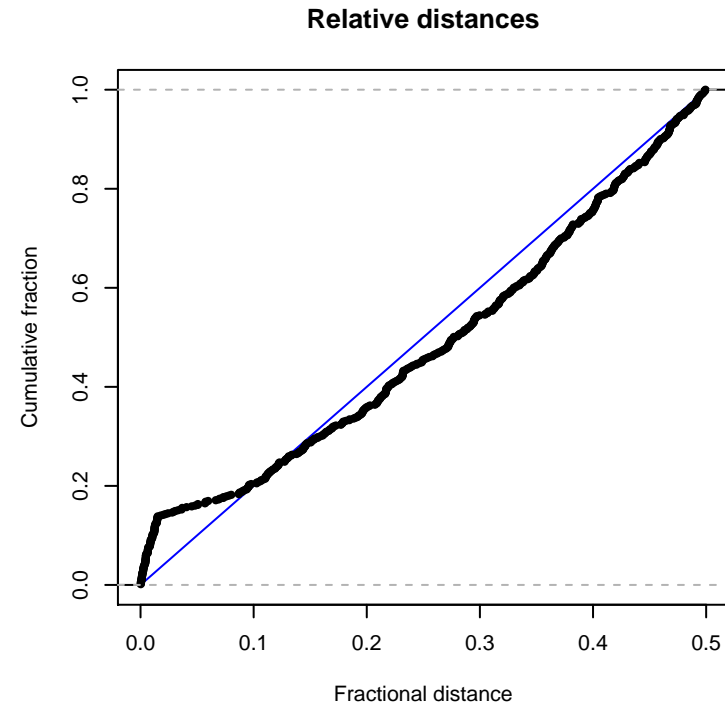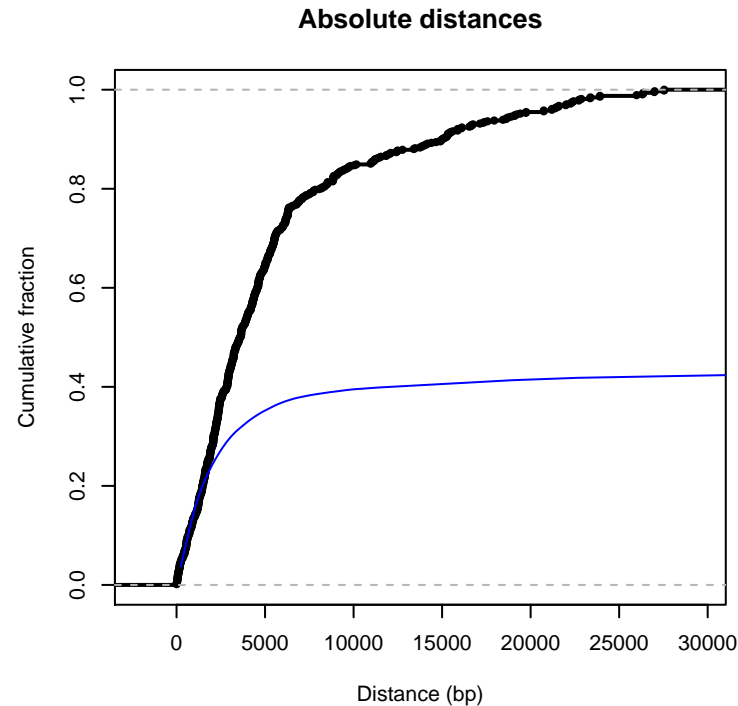Projection test observed to expected ratio : 0.844742
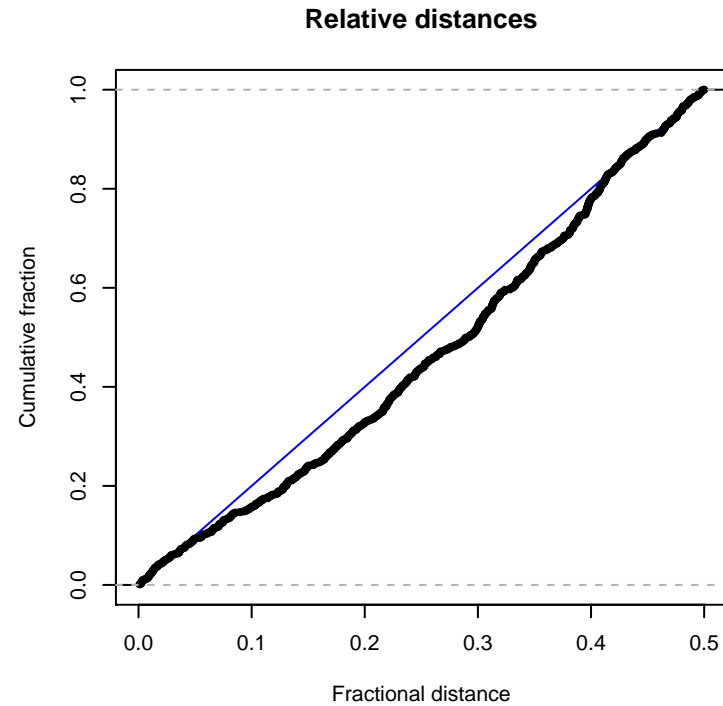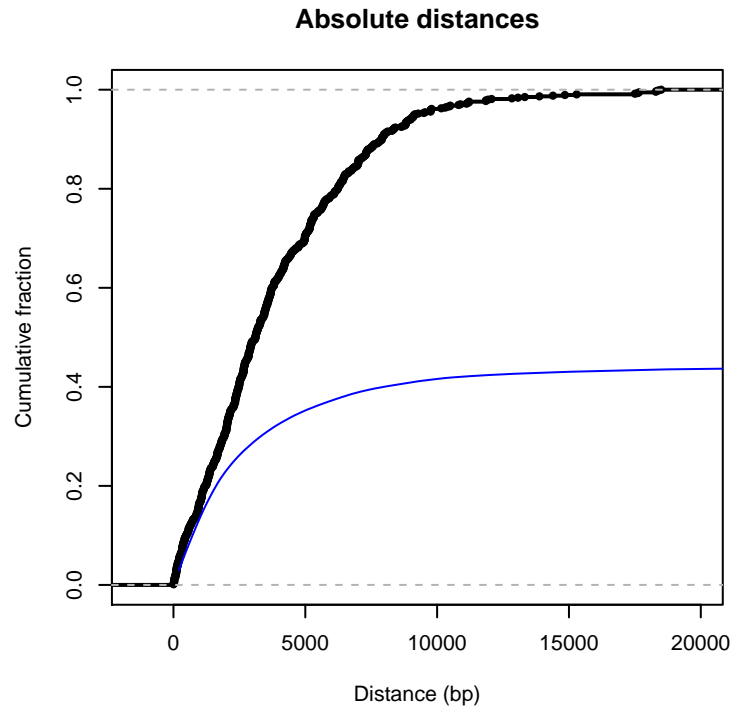
Absolute distances

Relative distances

pcontig_022

Query population : 643
Reference population : 241
Relative Ks p−value : 6.04274e−07
Relative ecdf deviation area : 0.0199793
Relative ecdf area correlation : −0.0378255
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.19
Jaccard Measure lower tail : TRUE
Projection test p−value : 1.07185e−06
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.535503

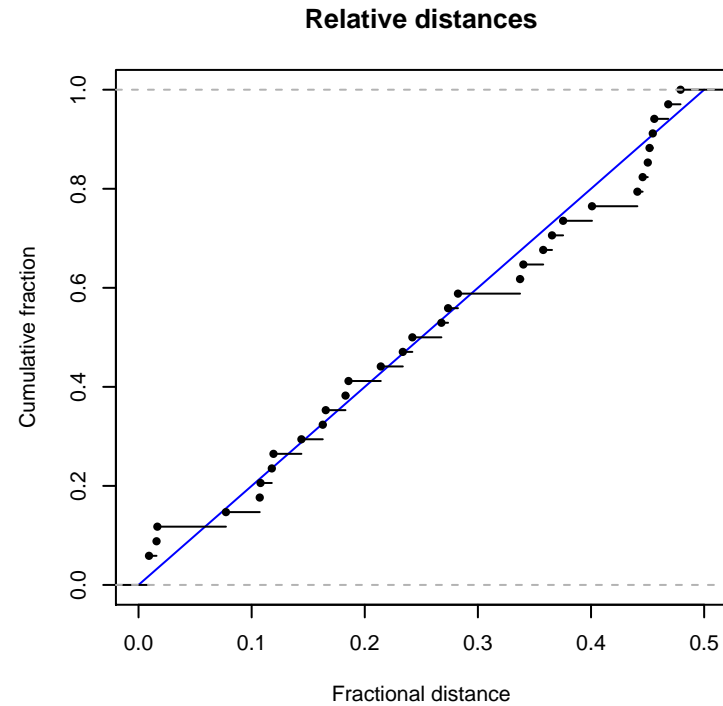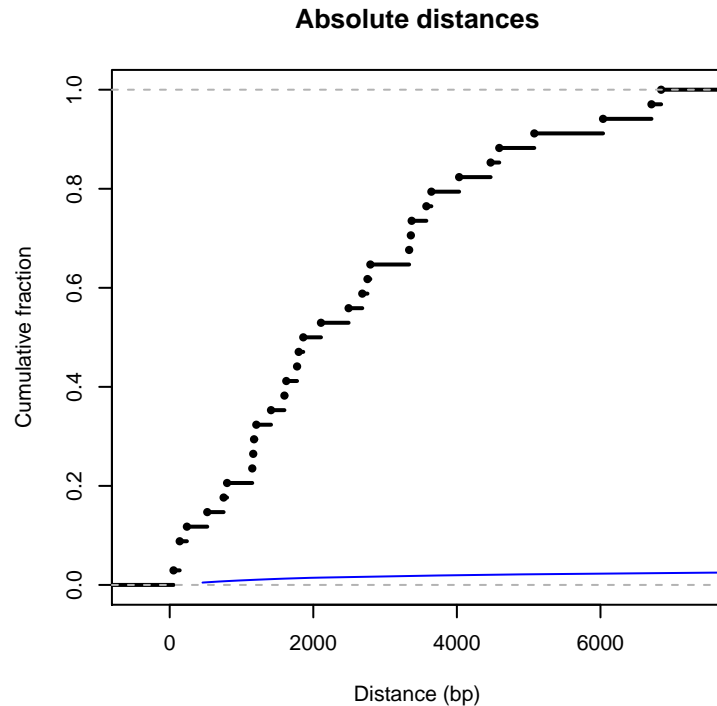**Absolute distances**

Relative distances

pcontig_023

Query population : 747
Reference population : 221
Relative Ks p−value : 3.0079e−05
Relative ecdf deviation area : 0.0206982
Relative ecdf area correlation : −0.081517
Relative ecdf deviation 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 : 0.00556204
Projection test lower tail : TRUE
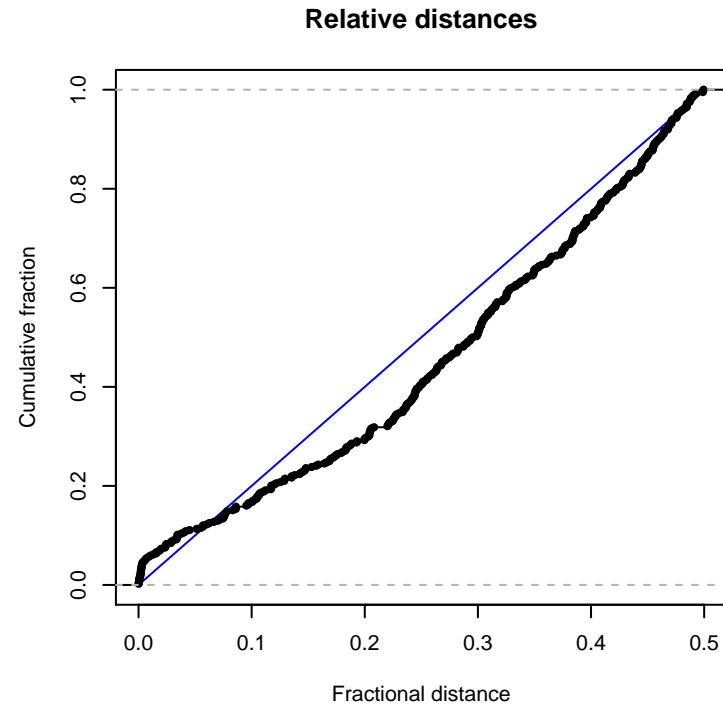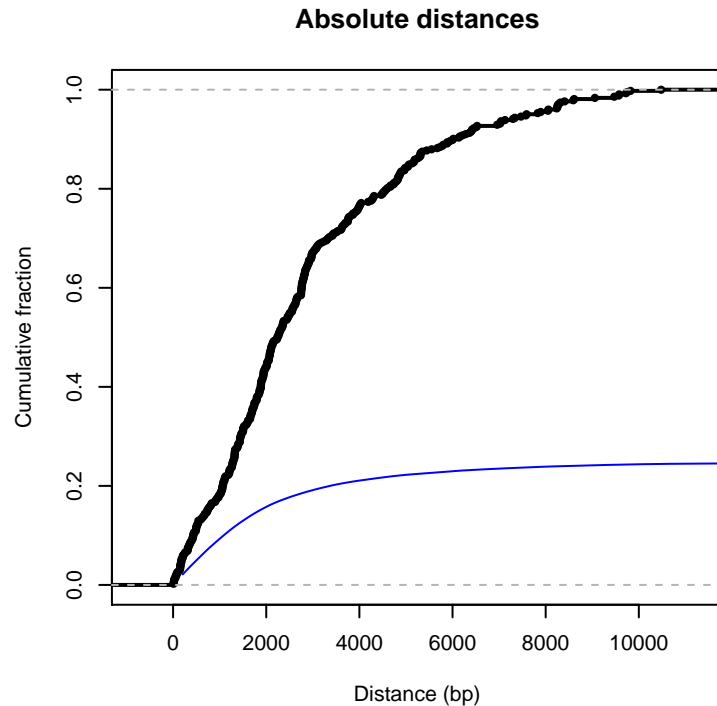Projection test observed to expected ratio : 0.750416

Absolute distances

Relative distances

pcontig_024

Query population : 34
Reference population : 16
Relative Ks p−value : 0.694606
Relative ecdf deviation area : 0.0176466
Relative ecdf area correlation : −0.0303895
Relative ecdf deviation area p−value : 0.79
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.85601e−10
Projection test lower tail : FALSE
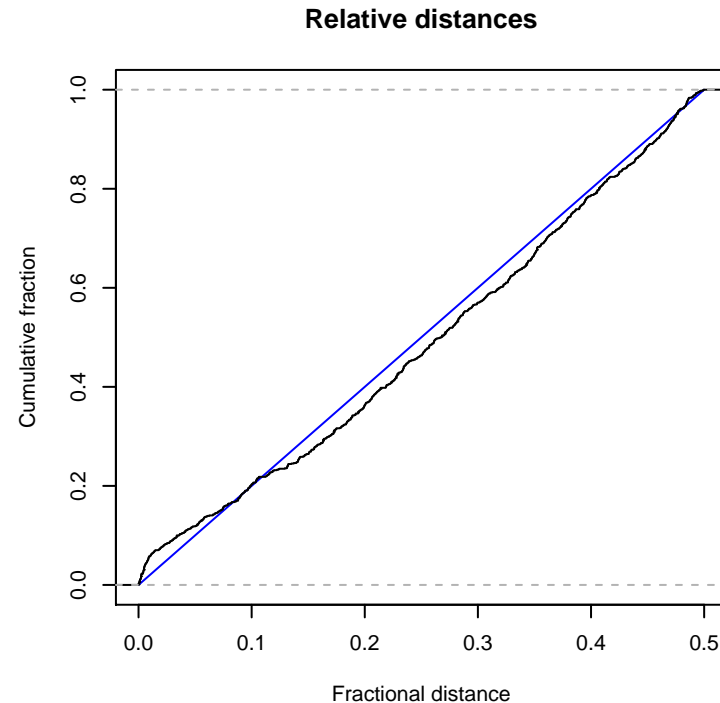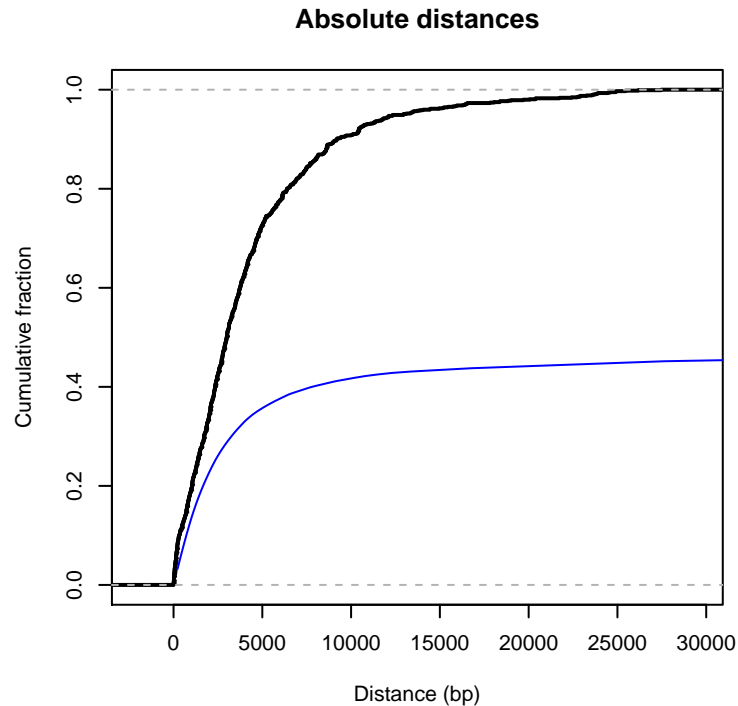Projection test observed to expected ratio : 26.7766

Cumulative fraction

Distance (bp)

Fractional distance

Absolute distances

Relative distances

pcontig_025

Query population : 424
Reference population : 158
Relative Ks p−value : 7.06388e−06
Relative ecdf deviation area : 0.0285017
Relative ecdf area correlation : −0.102575
Relative ecdf deviation 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 : 0.00163195
Projection test lower tail : FALSE
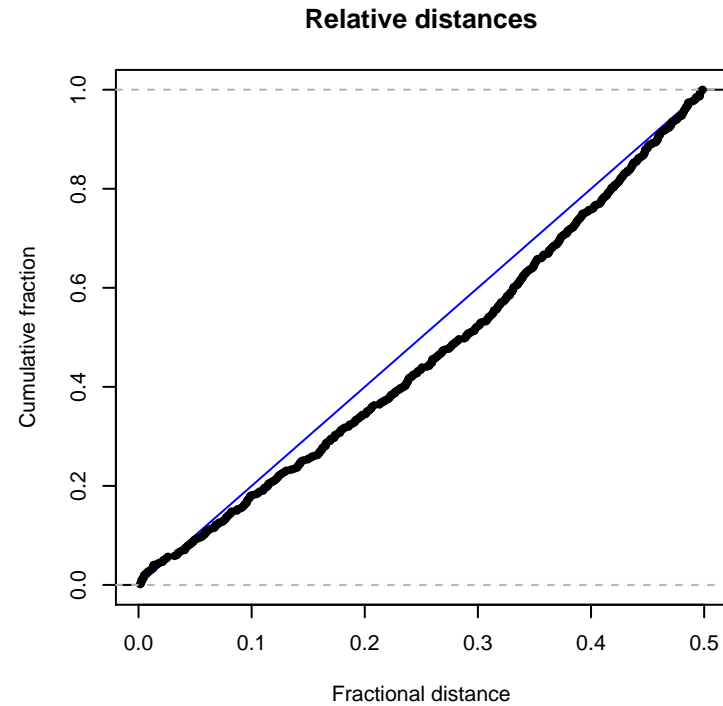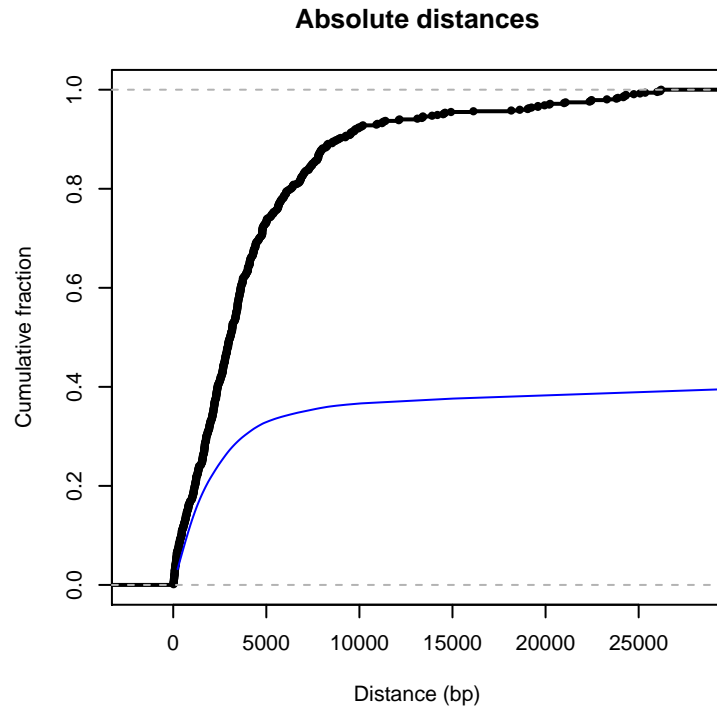Projection test observed to expected ratio : 1.53549

pcontig_026

Query population : 1040
Reference population : 220
Relative Ks p−value : 0.043571
Relative ecdf deviation area : 0.0120275
Relative ecdf area correlation : −0.0319635
Relative ecdf deviation 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 : 0.0143639
Projection test lower tail : FALSE
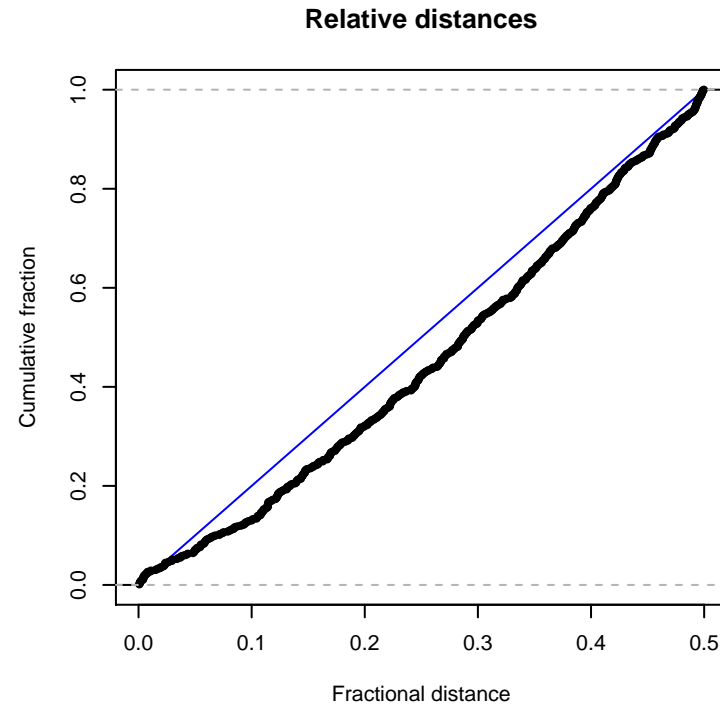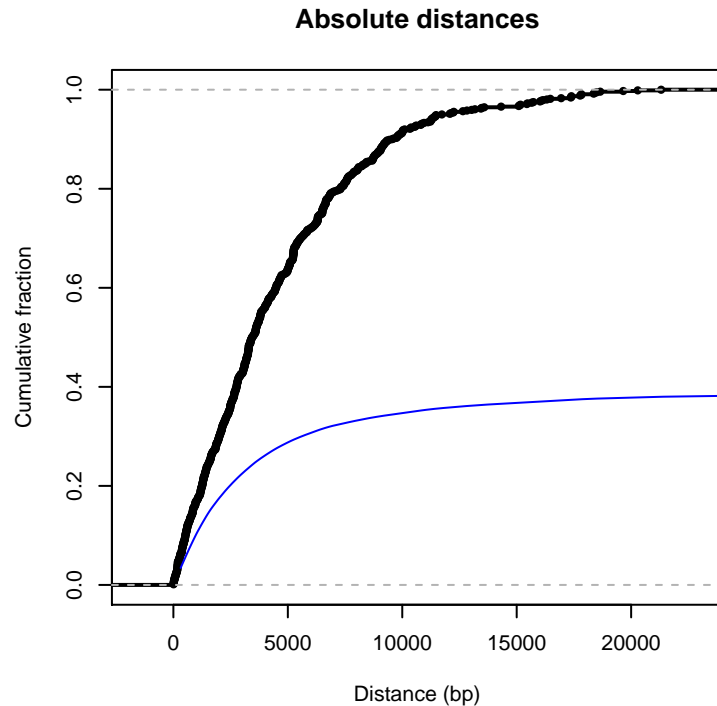Projection test observed to expected ratio : 1.20761

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_027

Query population : 667
Reference population : 209
Relative Ks p−value : 0.000191808
Relative ecdf deviation area : 0.0199197
Relative ecdf area correlation : −0.0790912
Relative ecdf deviation 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 : 0.0154872
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.2489

Absolute distances
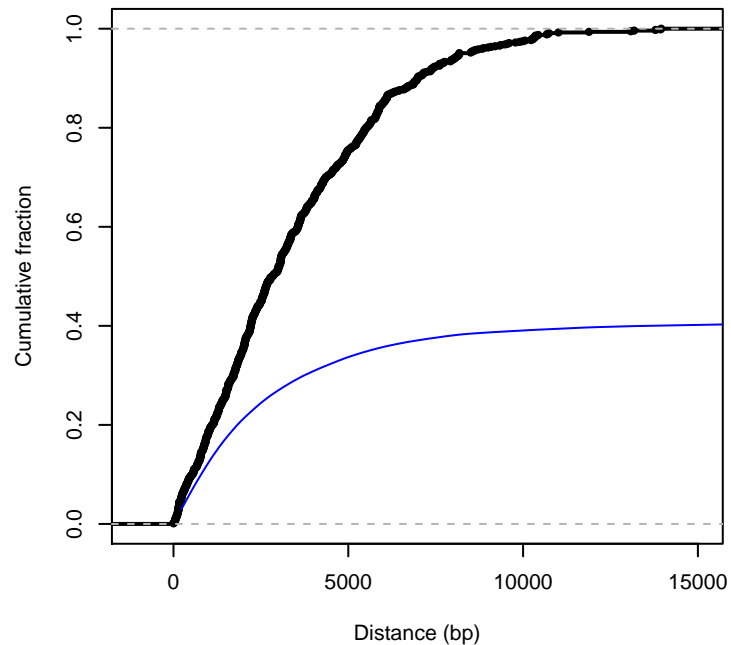
Relative distances

pcontig_028

Query population : 761
Reference population : 166
Relative Ks p−value : 8.03391e−06
Relative ecdf deviation area : 0.0266626
Relative ecdf area correlation : −0.106733
Relative ecdf deviation 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 : 0.0293724
Projection test lower tail : FALSE
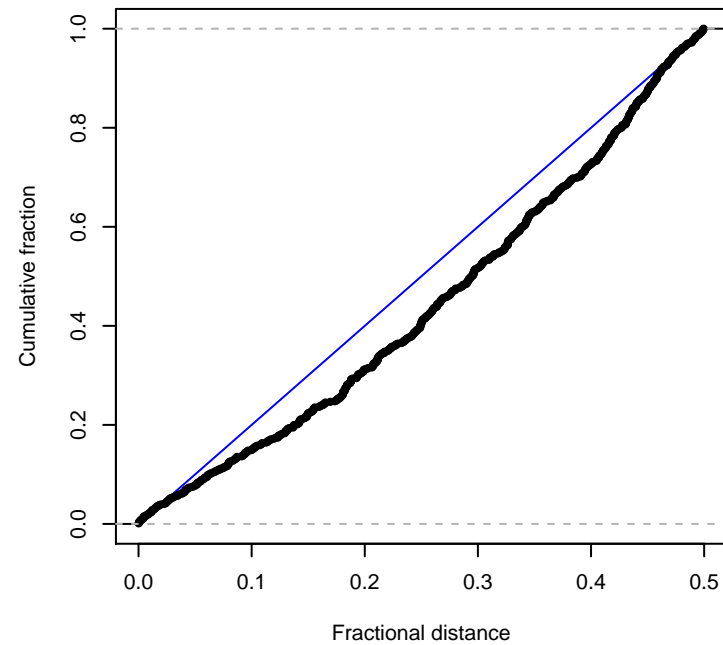Projection test observed to expected ratio : 1.19747

Absolute distances

Relative distances

pcontig_029

Query population : 791
Reference population : 201
Relative Ks p−value : 5.16416e−08
Relative ecdf deviation area : 0.0302142
Relative ecdf area correlation : −0.119701
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.1
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.255125
Projection test lower tail : TRUE
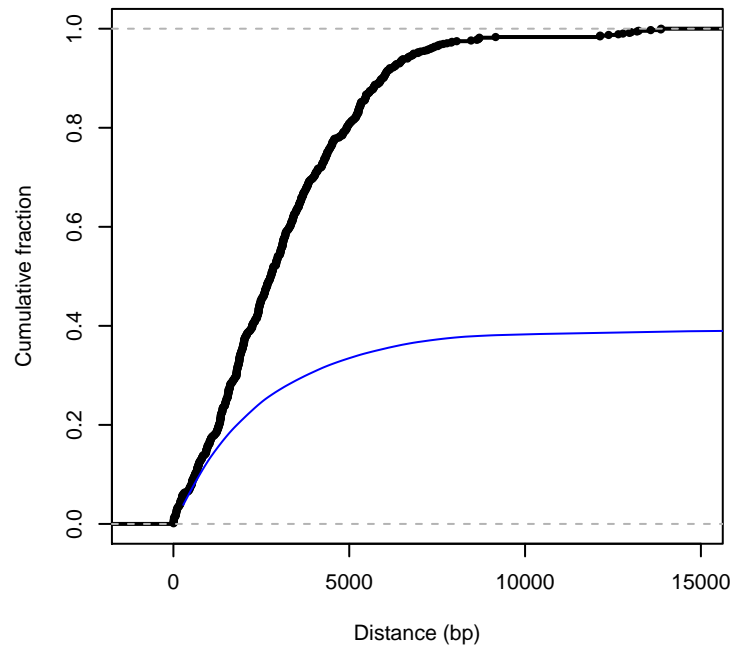Projection test observed to expected ratio : 0.917238

Absolute distances

Relative distances
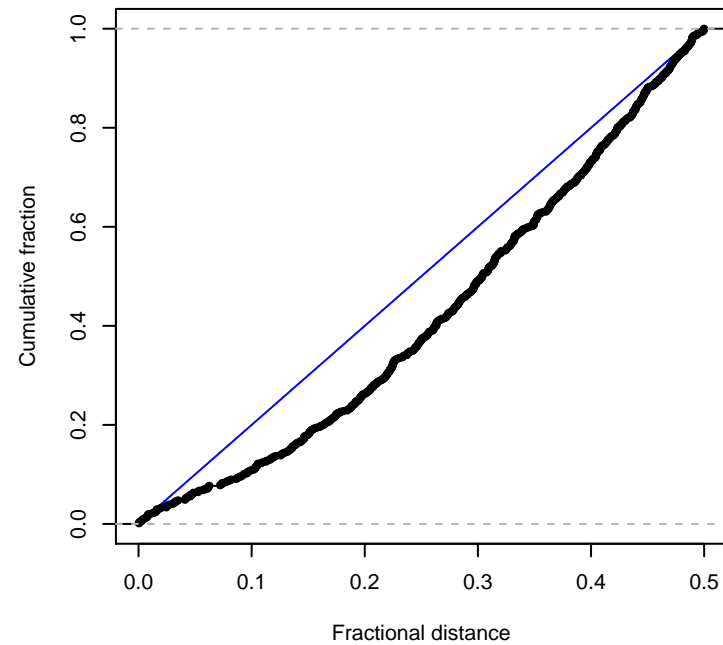
pcontig_030

Query population : 715
Reference population : 211
Relative Ks p−value : 6.07403e−13
Relative ecdf deviation area : 0.0407684
Relative ecdf area correlation : −0.163521
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.17
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.399944
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.963567

pcontig_031

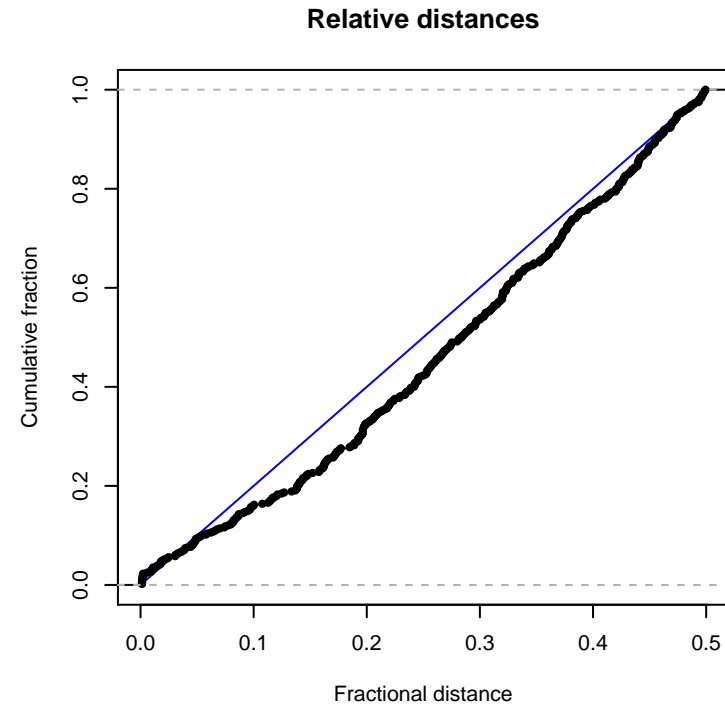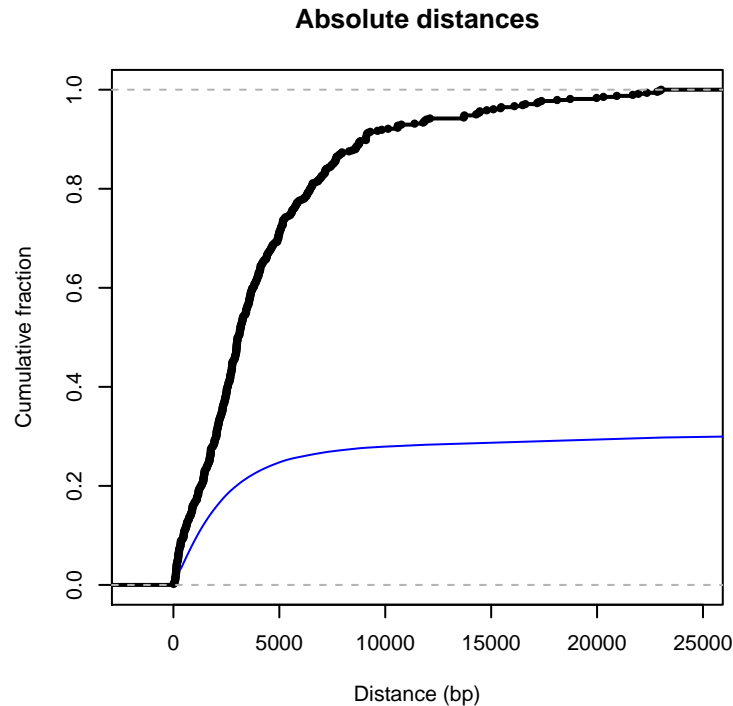Query population : 482
Reference population : 143
Relative Ks p−value : 0.000201482
Relative ecdf deviation area : 0.023355
Relative ecdf area correlation : −0.091807
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00546259
Projection test lower tail : FALSE
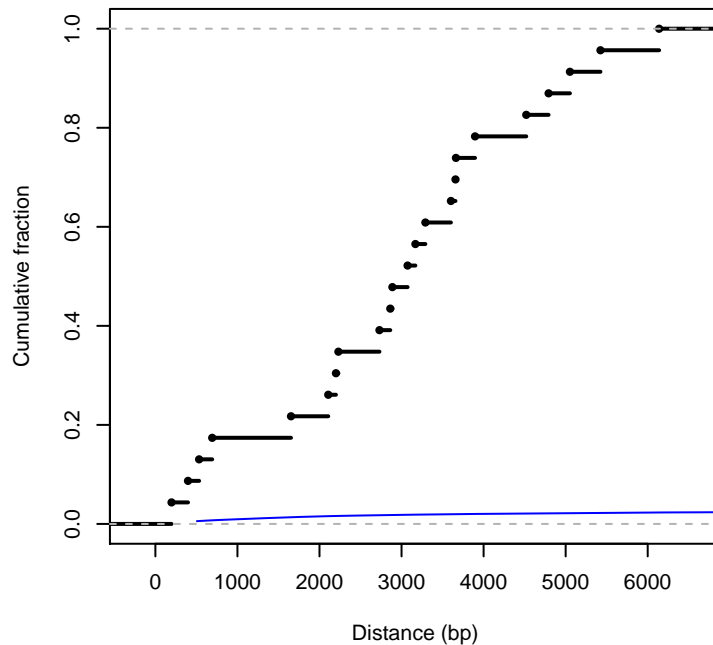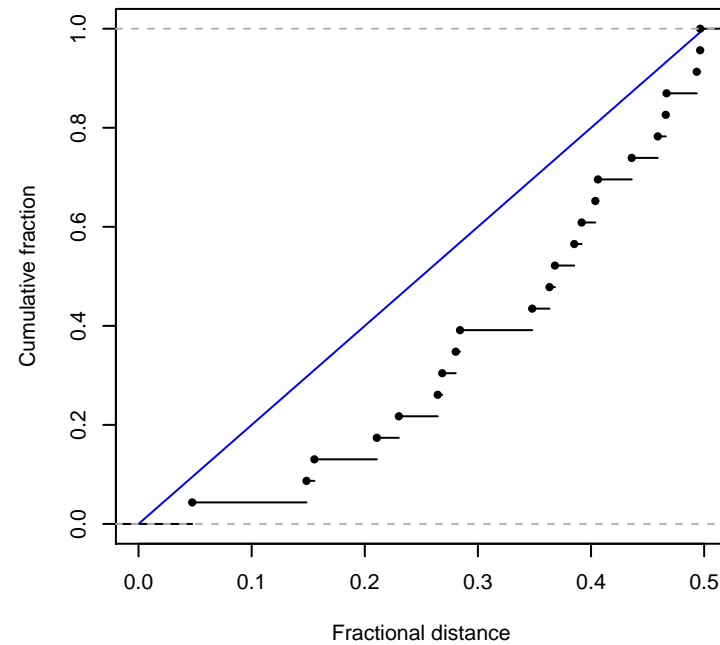Projection test observed to expected ratio : 1.41397

Absolute distances

Relative distances

pcontig_032

Query population : 23
Reference population : 17
Relative Ks p−value : 0.0175862
Relative ecdf deviation area : 0.0920124
Relative ecdf area correlation : −0.368723
Relative ecdf deviation 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 : 0.000409975
Projection test lower tail : FALSE
Projection test observed to expected ratio : 13.7205
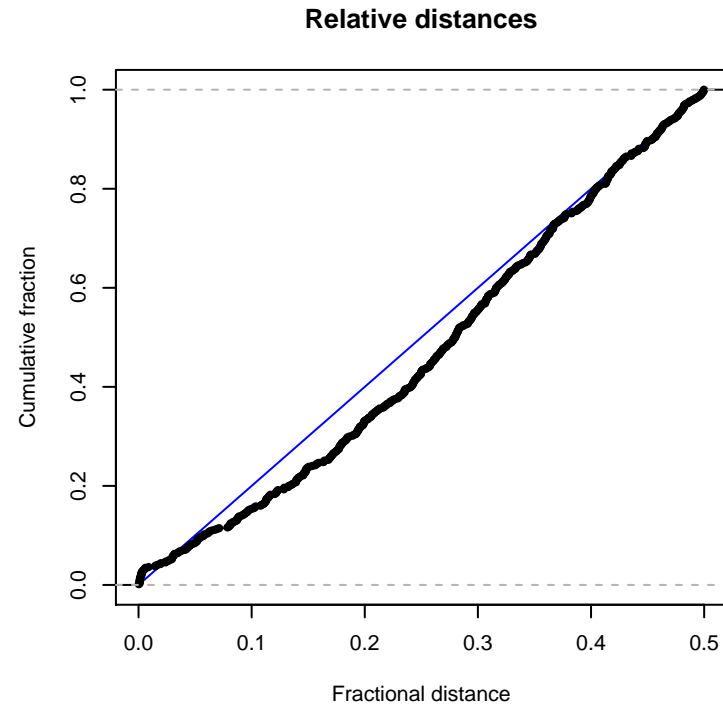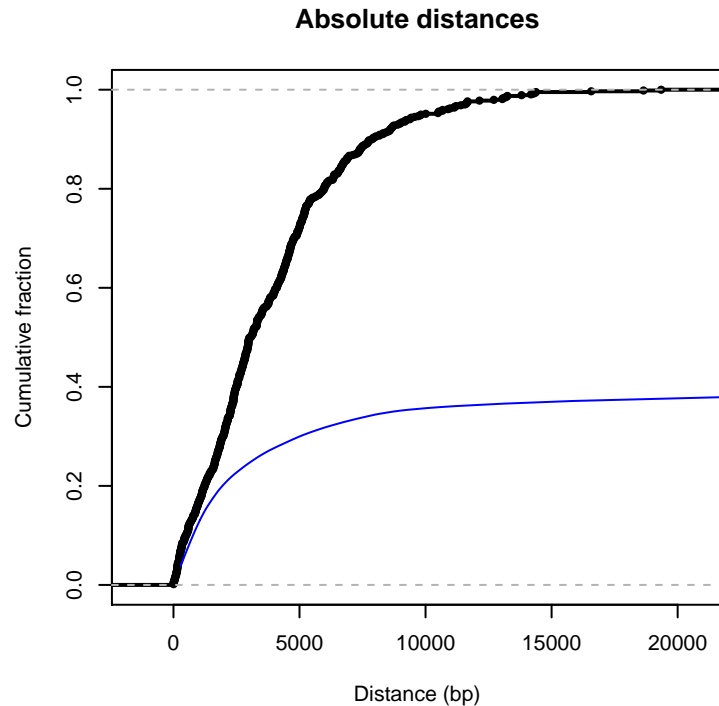
Absolute distances

Relative distances

Absolute distances
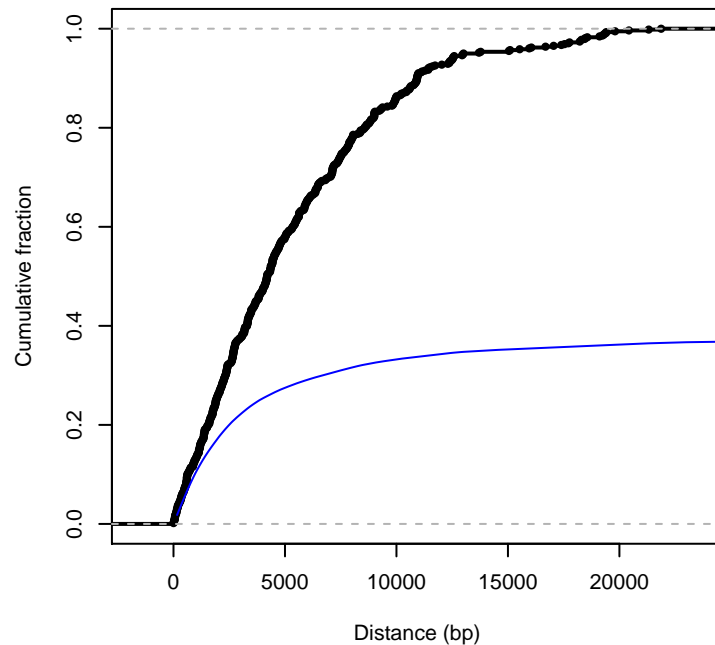
Relative distances

pcontig_033

Query population : 637
Reference population : 205
Relative Ks p−value : 0.000214686
Relative ecdf deviation area : 0.0190318
Relative ecdf area correlation : −0.0727872
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.09
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.381617
Projection test lower tail : TRUE
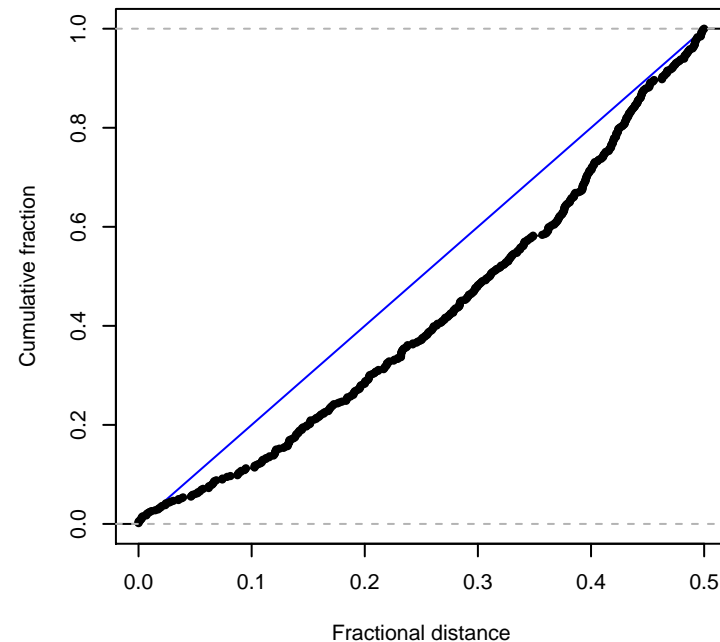Projection test observed to expected ratio : 0.951985

Absolute distances

Relative distances

pcontig_034

Query population : 579
Reference population : 172
Relative Ks p−value : 1.17376e−09
Relative ecdf deviation area : 0.041858
Relative ecdf area correlation : −0.167336
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.26
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.374886
Projection test lower tail : TRUE
Projection test observed to expected ratio : 0.940142

pcontig_035

Query population : 688
Reference population : 146
Relative Ks p−value : 3.27689e−05
Relative ecdf deviation area : 0.0222508
Relative ecdf area correlation : −0.08556
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.11
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.163722
Projection test lower tail : TRUE
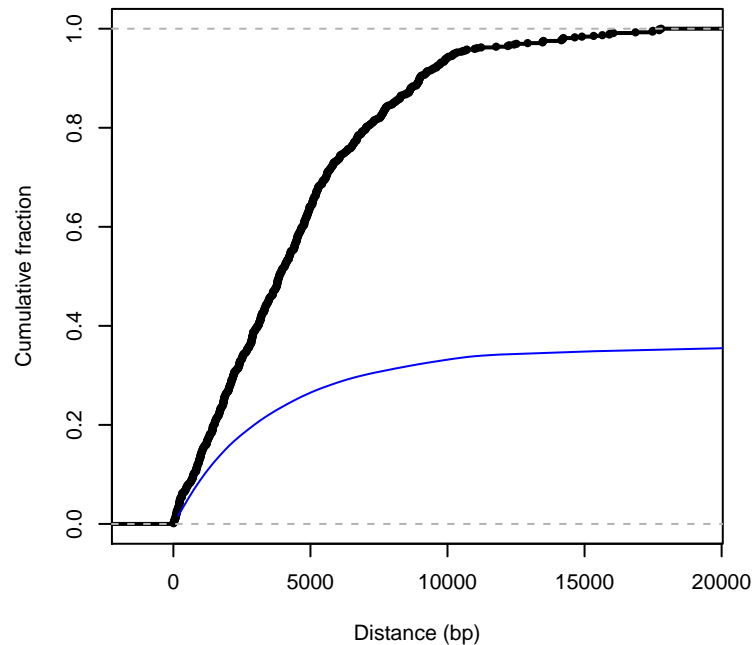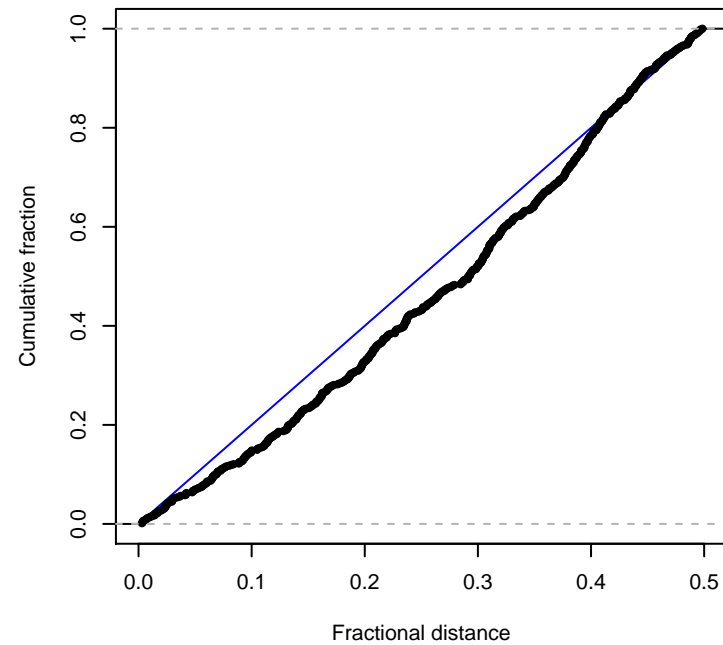Projection test observed to expected ratio : 0.856897
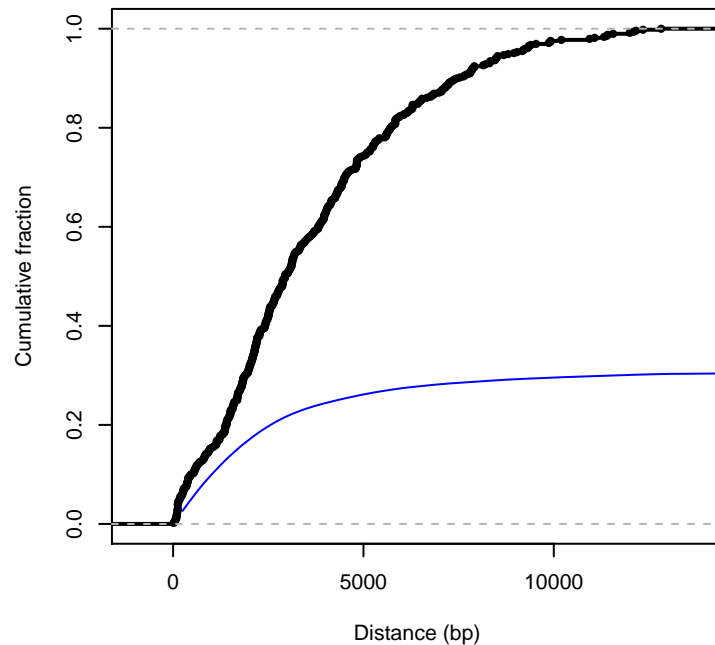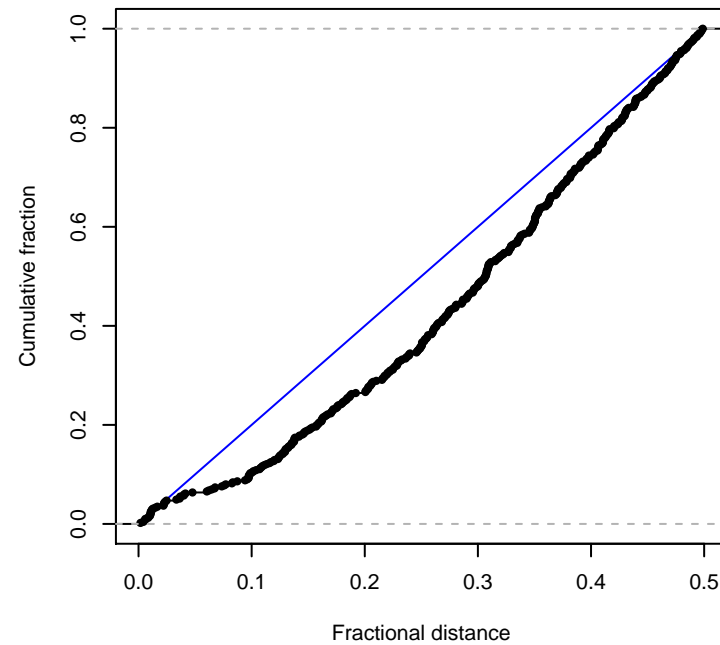
Absolute distances

Relative distances

pcontig_036

Query population : 488
Reference population : 163
Relative Ks p−value : 1.35338e−09
Relative ecdf deviation area : 0.0398021
Relative ecdf area correlation : −0.158782
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0575483
Projection test lower tail : FALSE
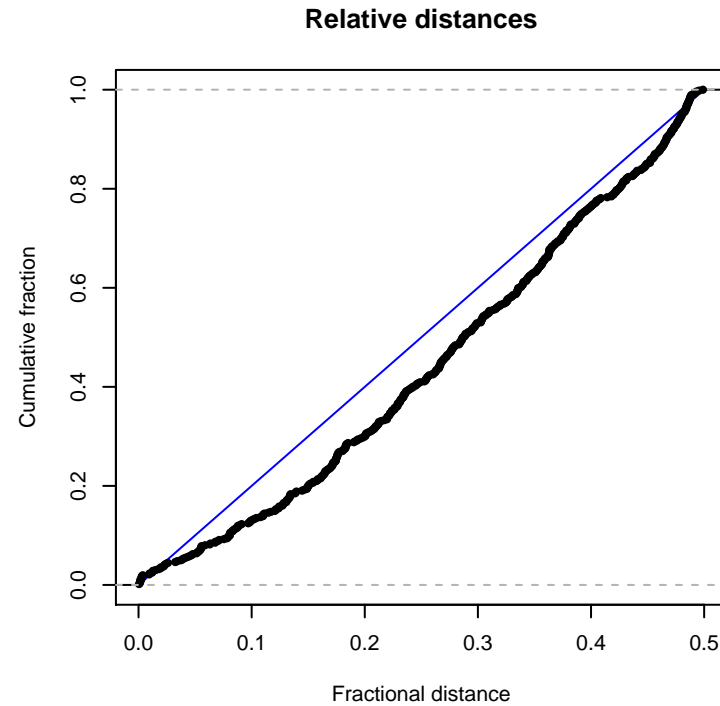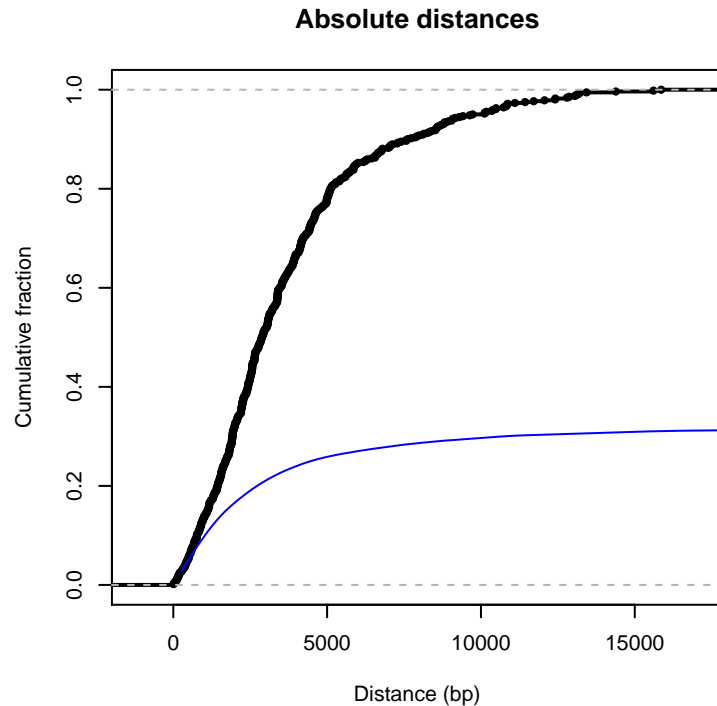Projection test observed to expected ratio : 1.2375

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

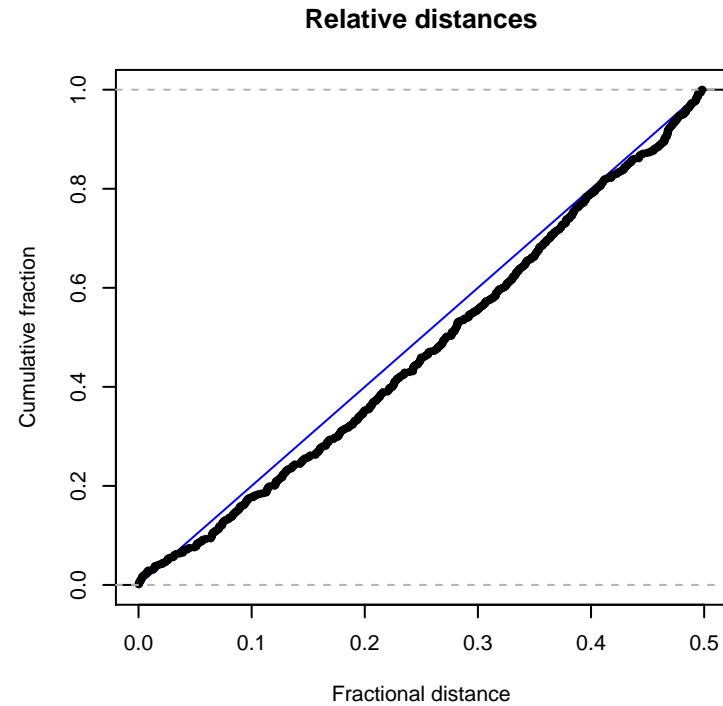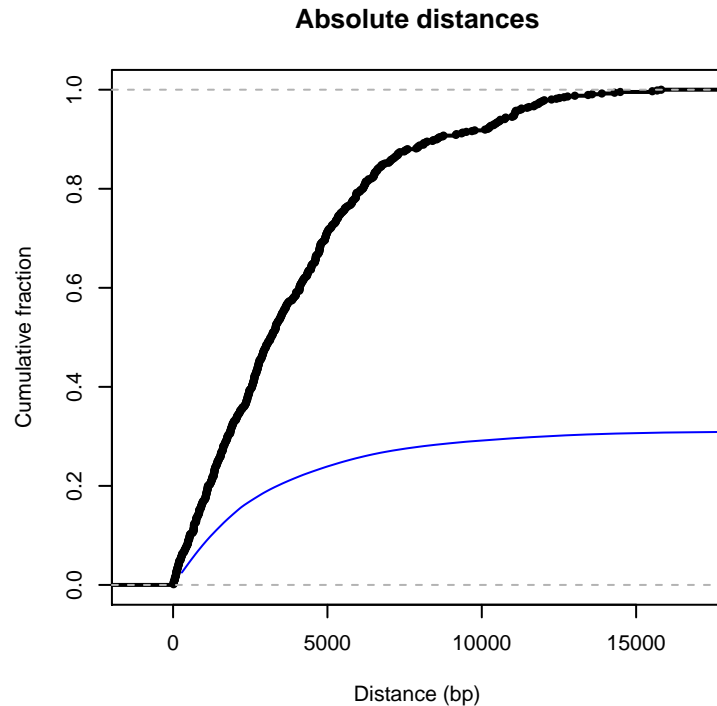Fractional distance

Absolute distances

Relative distances

pcontig_037

Query population : 562
Reference population : 162
Relative Ks p−value : 3.67933e−06
Relative ecdf deviation area : 0.0311025
Relative ecdf area correlation : −0.123582
Relative ecdf deviation 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 : 0.000158237
Projection test lower tail : FALSE
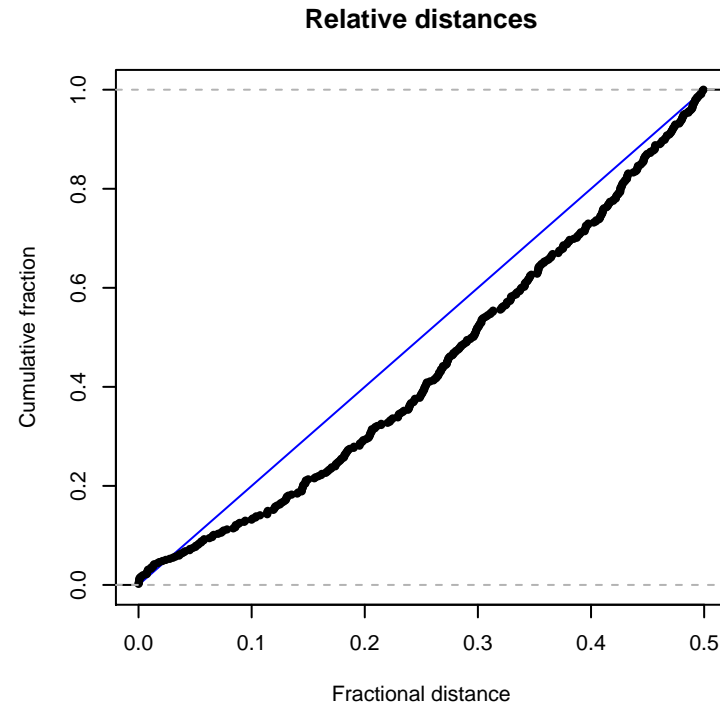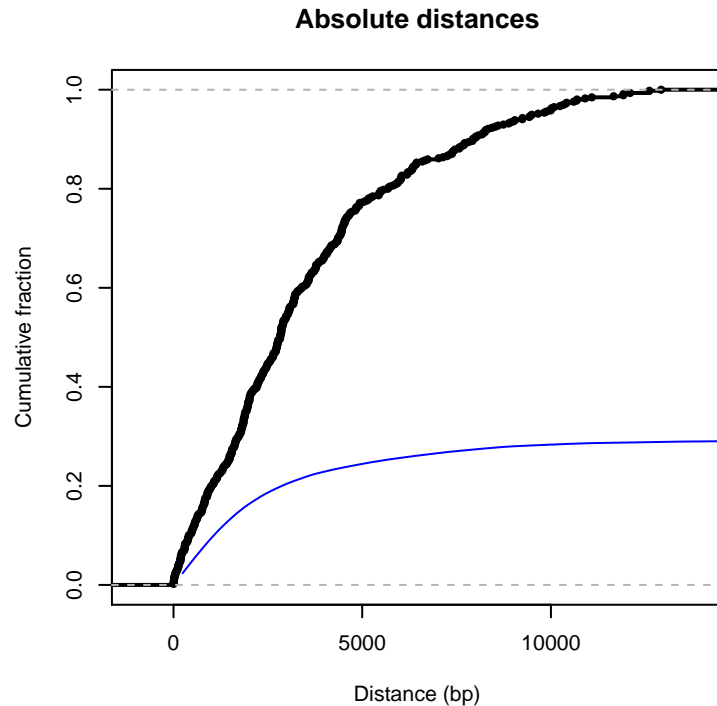Projection test observed to expected ratio : 1.52363

Absolute distances

Relative distances

pcontig_039

Query population : 658
Reference population : 135
Relative Ks p−value : 0.030519
Relative ecdf deviation area : 0.0153055
Relative ecdf area correlation : −0.0602435
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.35367e−13
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.0107

Absolute distances
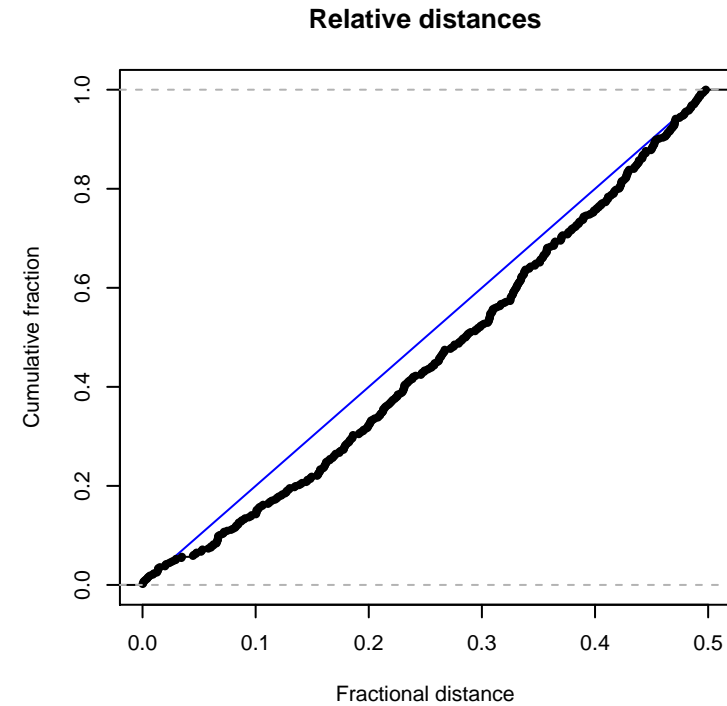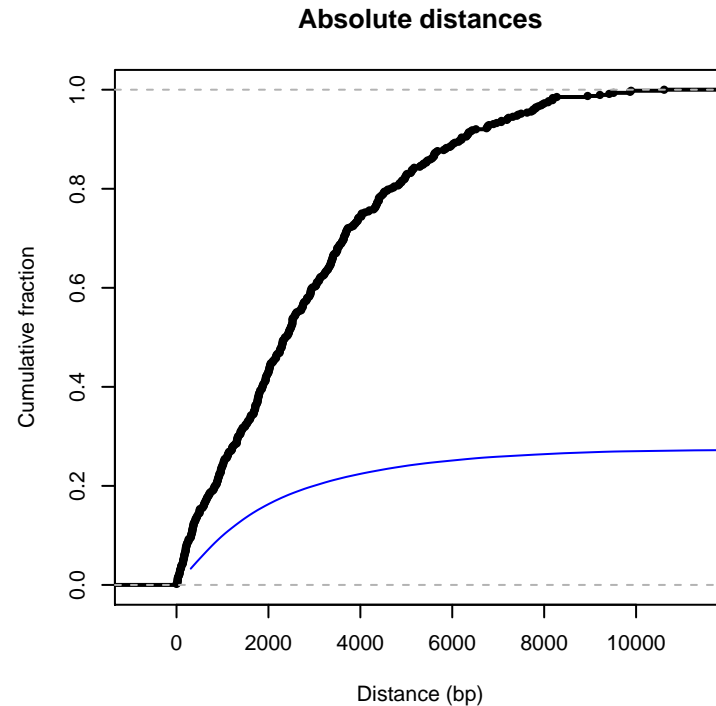
Relative distances

pcontig_040

Query population : 455
Reference population : 151
Relative Ks p−value : 1.38742e−06
Relative ecdf deviation area : 0.0337676
Relative ecdf area correlation : −0.133575
Relative ecdf deviation 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 : 0.00135396
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.48742

Absolute distances
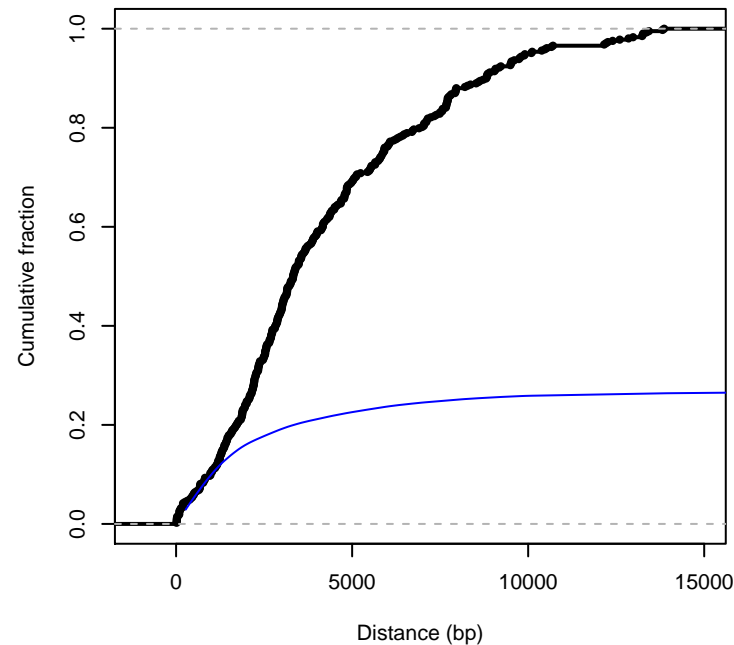
Relative distances

pcontig_041

Query population : 476
Reference population : 163
Relative Ks p−value : 0.000868806
Relative ecdf deviation area : 0.024129
Relative ecdf area correlation : −0.0973759
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.90273e−10
Projection test lower tail : FALSE
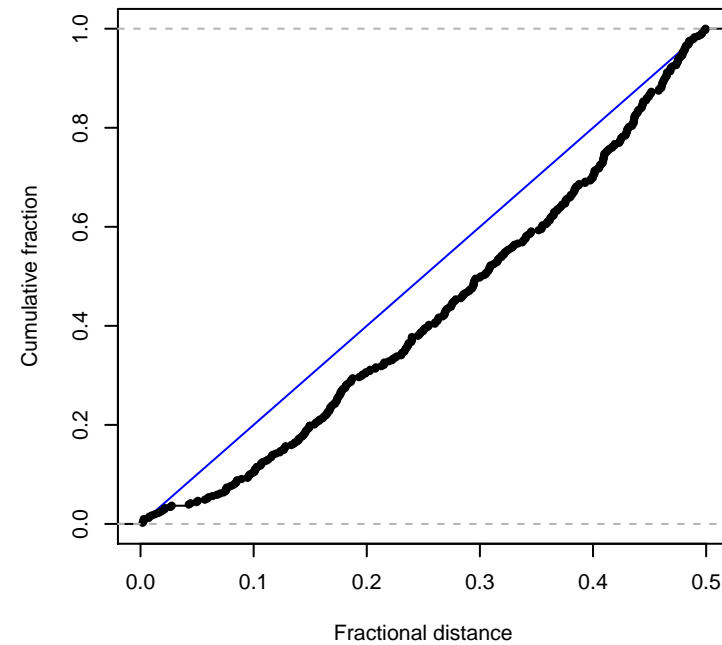Projection test observed to expected ratio : 2.02746

pcontig_042

Absolute distances

Relative distances

Query population : 408
Reference population : 164
Relative Ks p−value : 9.50022e−06
Relative ecdf deviation area : 0.0405636
Relative ecdf area correlation : −0.161783
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.19
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0438012
Projection test lower tail : TRUE
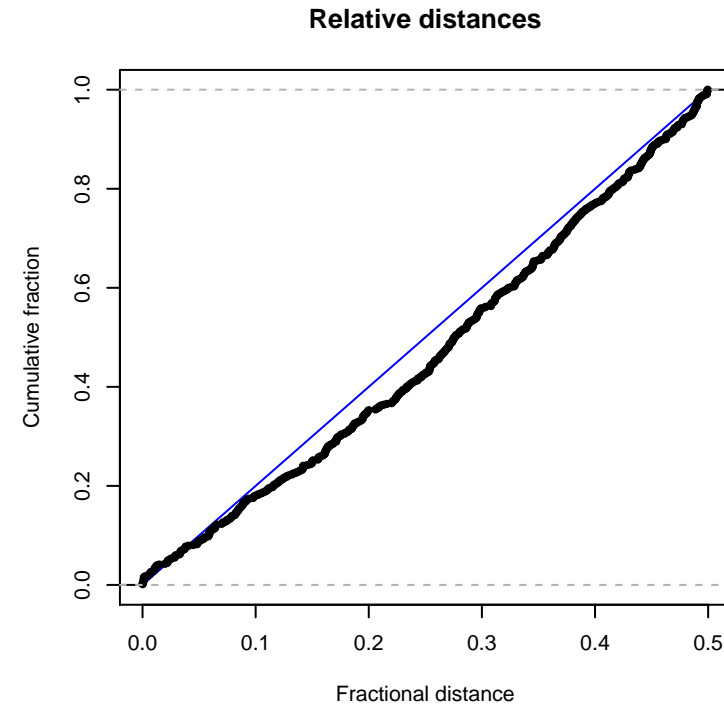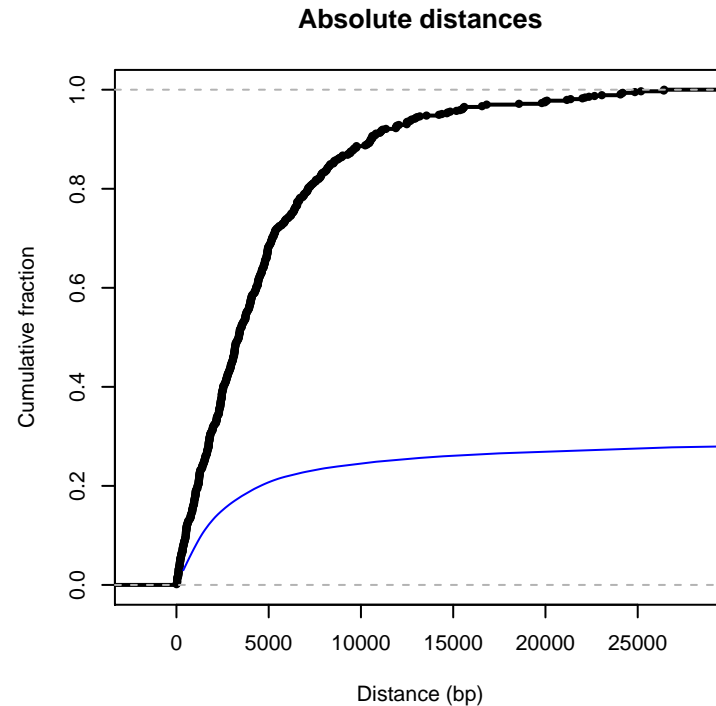Projection test observed to expected ratio : 0.706346
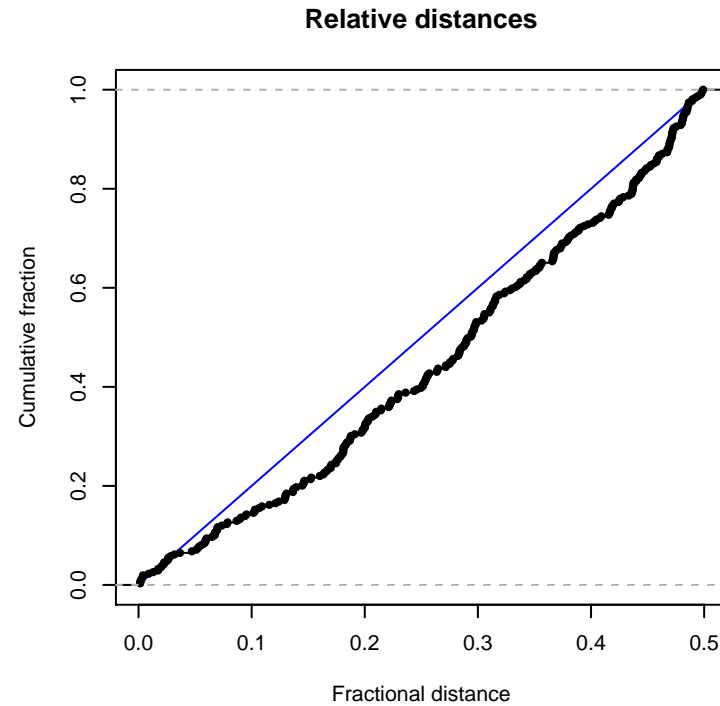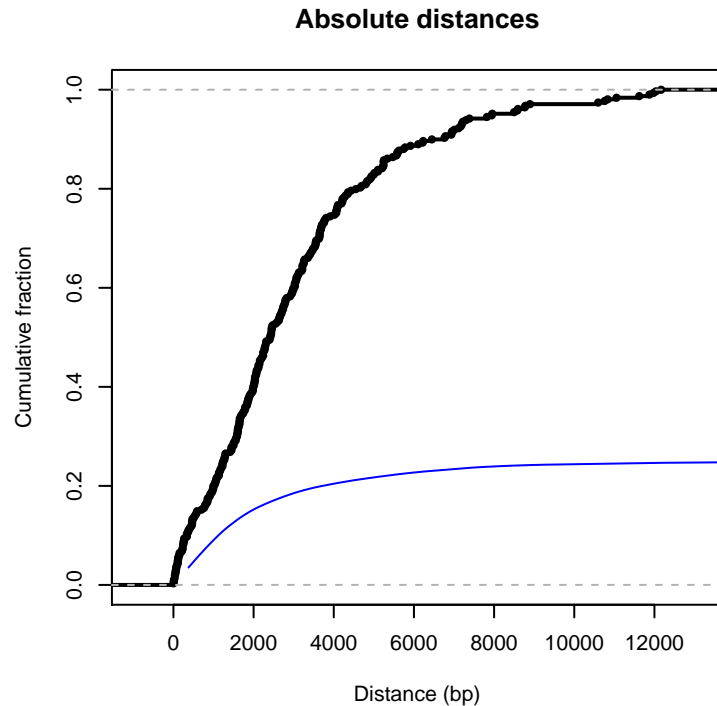
Absolute distances

Relative distances

pcontig_043

Query population : 632
Reference population : 122
Relative Ks p−value : 0.00110839
Relative ecdf deviation area : 0.0184582
Relative ecdf area correlation : −0.0723385
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.12672e−07
Projection test lower tail : FALSE
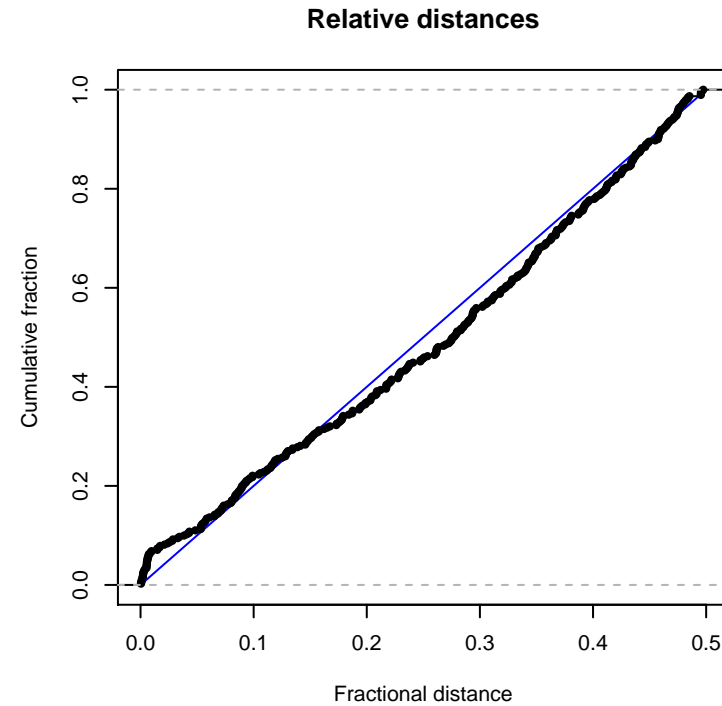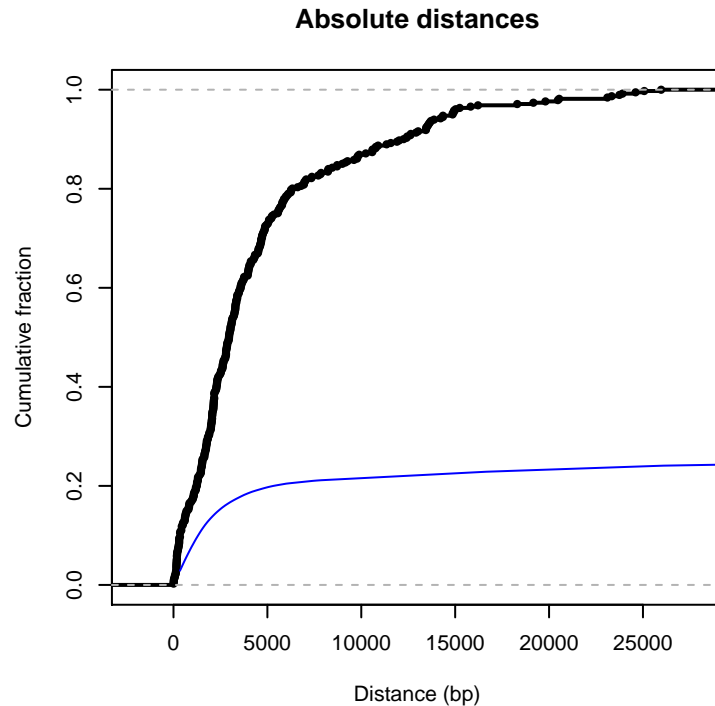Projection test observed to expected ratio : 1.85037

Absolute distances

Relative distances

pcontig_044

Query population : 309
Reference population : 144
Relative Ks p−value : 0.00135971
Relative ecdf deviation area : 0.0312224
Relative ecdf area correlation : −0.12556
Relative ecdf deviation 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 : 0.00373991
Projection test lower tail : FALSE
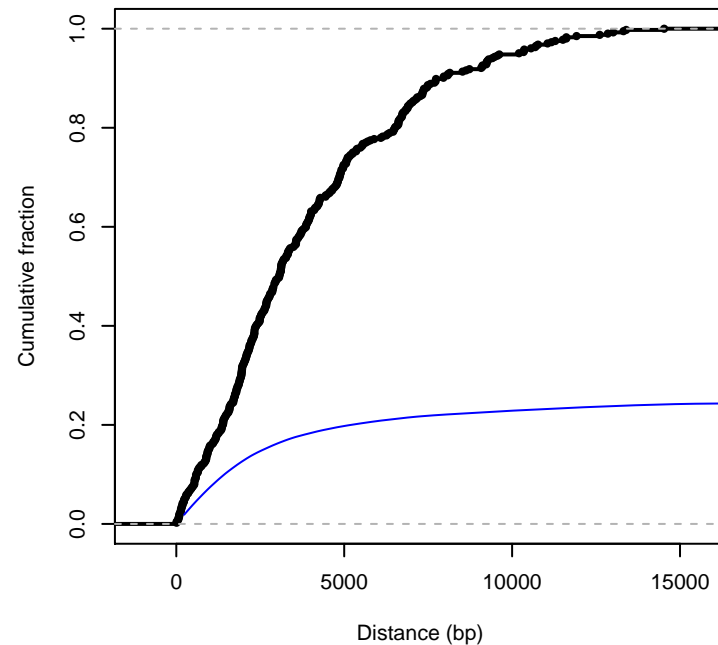Projection test observed to expected ratio : 1.53575

pcontig_045

Query population : 381
Reference population : 128
Relative Ks p−value : 0.134623
Relative ecdf deviation area : 0.0120993
Relative ecdf area correlation : −0.0282618
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 : 0.05
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0140603
Projection test lower tail : FALSE
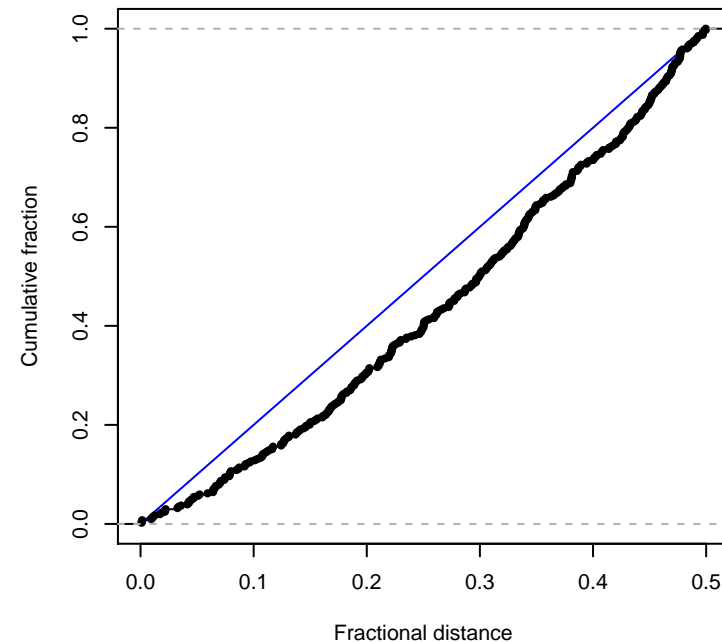Projection test observed to expected ratio : 1.40772

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_046

Query population : 404
Reference population : 122
Relative Ks p−value : 8.45421e−05
Relative ecdf deviation area : 0.0352885
Relative ecdf area correlation : −0.140689
Relative ecdf deviation 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 : 0.0764432
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.27012

pcontig_047

Query population : 313
Reference population : 124
Relative Ks p−value : 9.46369e−07
Relative ecdf deviation area : 0.0452722
Relative ecdf area correlation : −0.180095
Relative ecdf deviation 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 : 0.174688
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.16759

Absolute distances
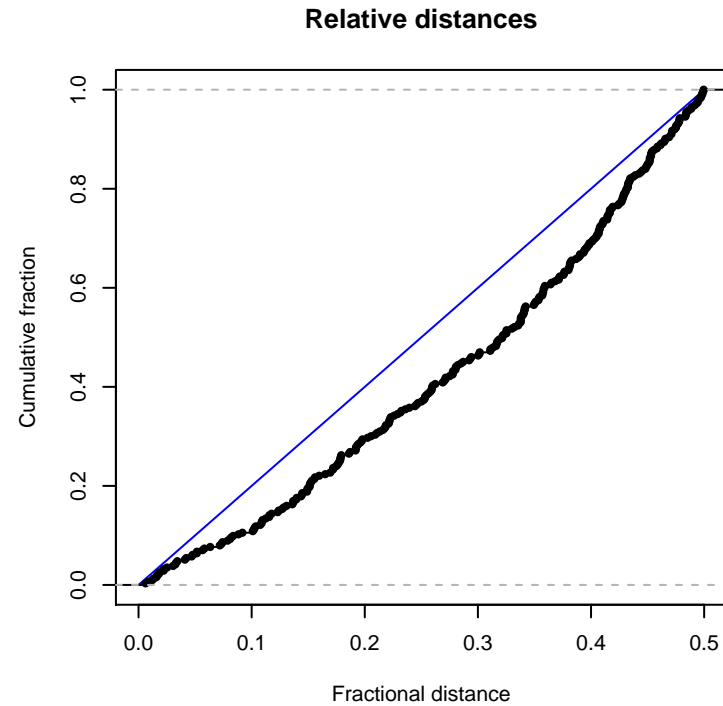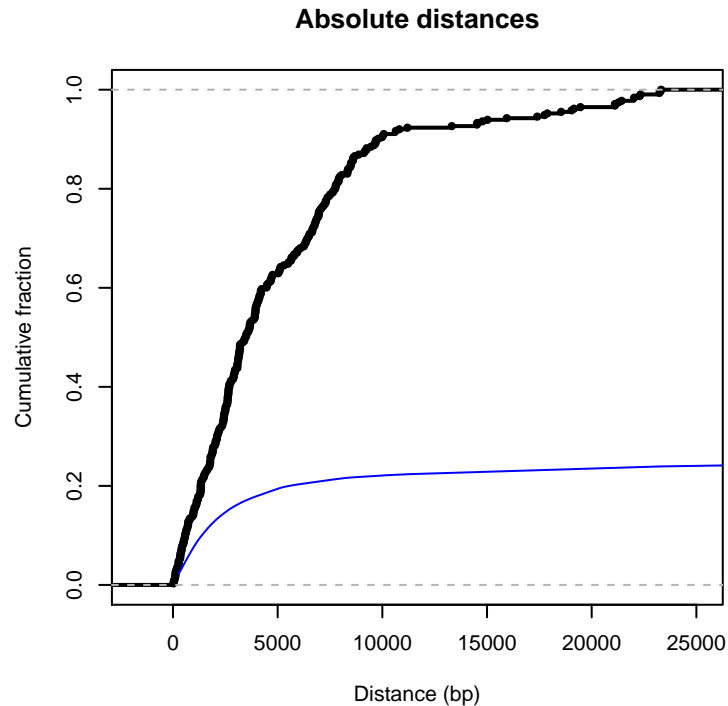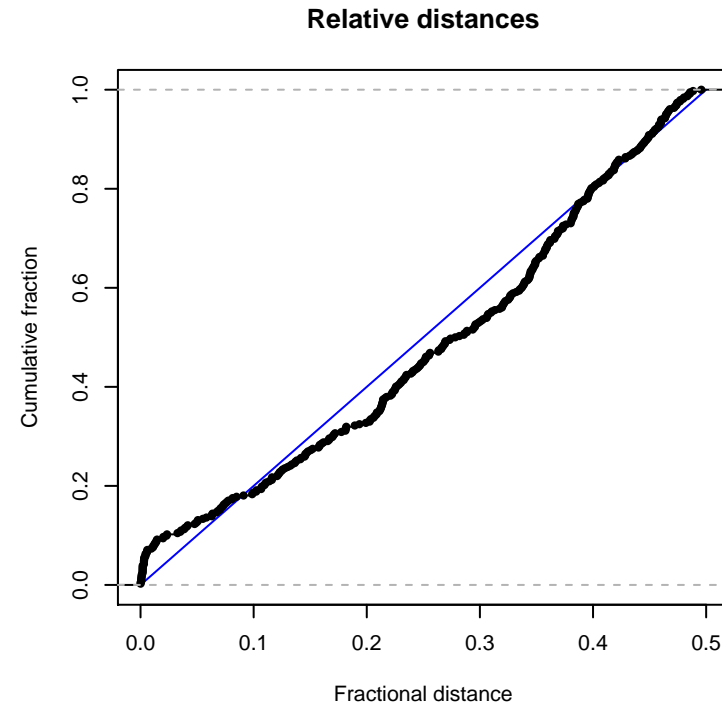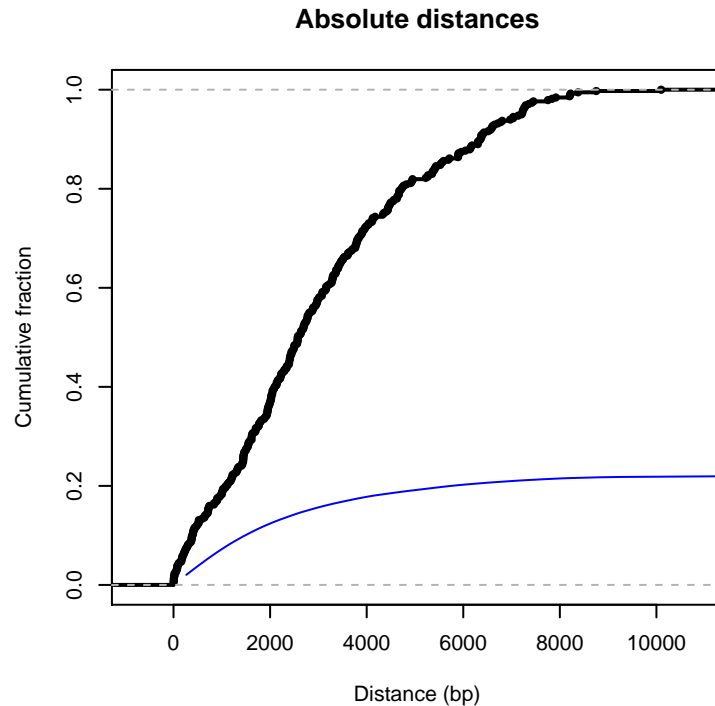
Relative distances

Absolute distances

Relative distances

pcontig_048

Query population : 382
Reference population : 118
Relative Ks p−value : 0.0126709
Relative ecdf deviation area : 0.0180532
Relative ecdf area correlation : −0.0424427
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.31534e−06
Projection test lower tail : FALSE
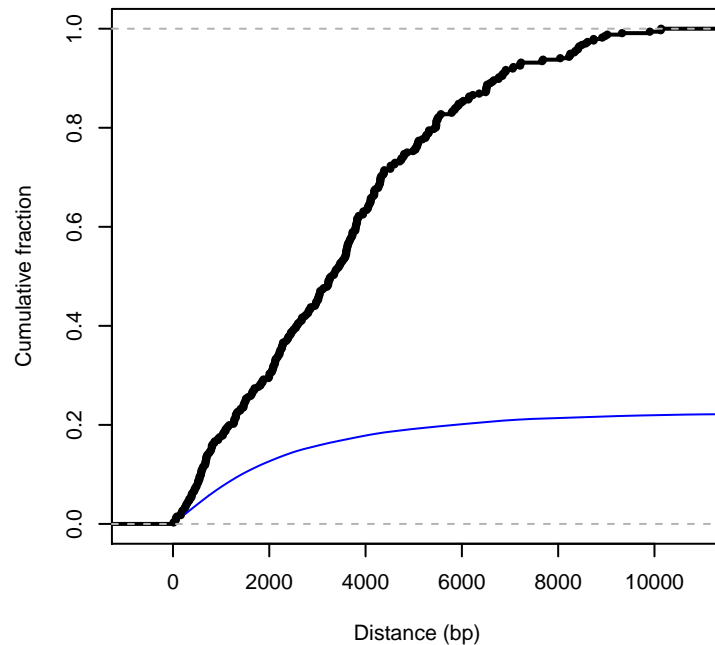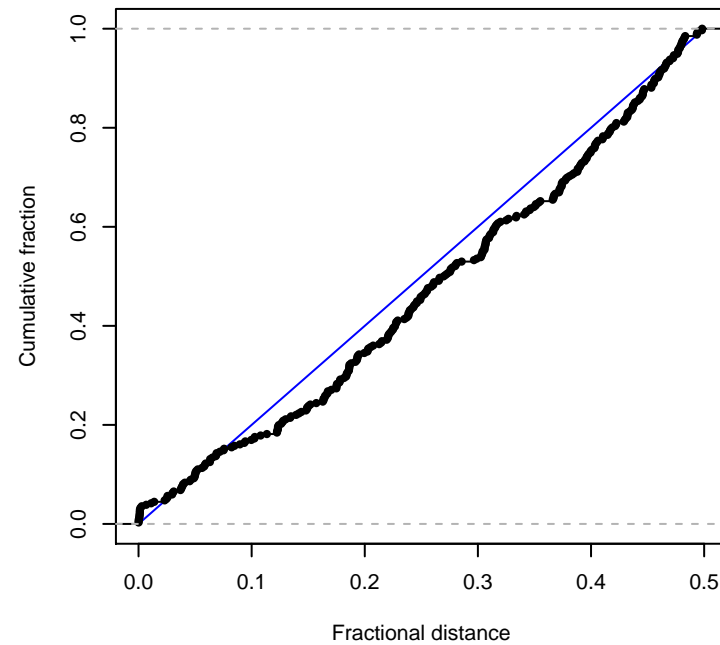Projection test observed to expected ratio : 1.98704

pcontig_049

Query population : 336
Reference population : 121
Relative Ks p−value : 0.0225403
Relative ecdf deviation area : 0.019602
Relative ecdf area correlation : −0.0743792
Relative ecdf deviation area p−value : 0.04
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.372155
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.03729
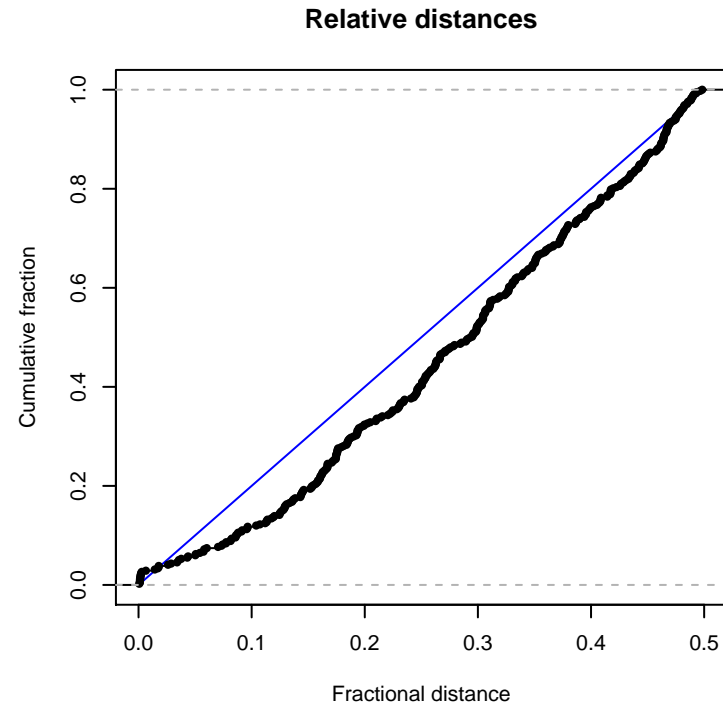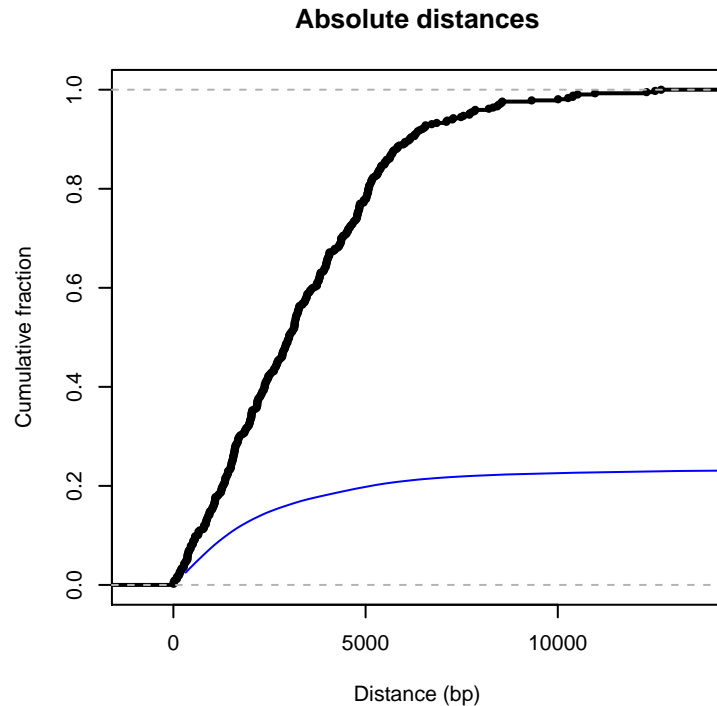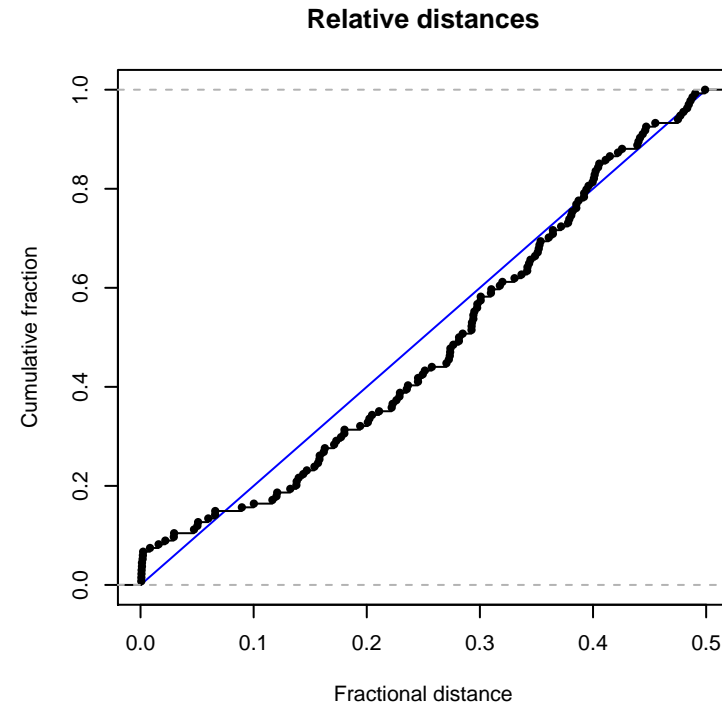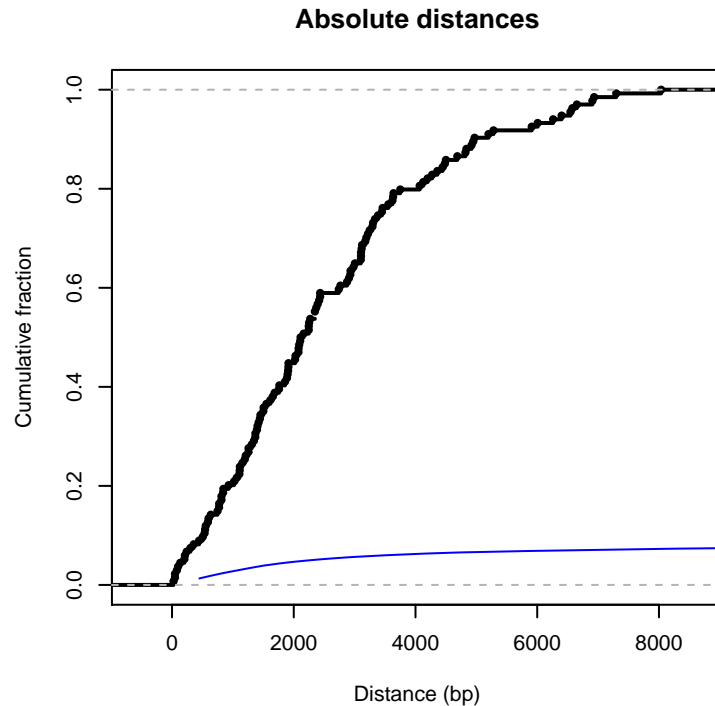
Absolute distances

Relative distances

pcontig_050

Query population : 417
Reference population : 121
Relative Ks p−value : 5.84284e−05
Relative ecdf deviation area : 0.0305983
Relative ecdf area correlation : −0.120148
Relative ecdf deviation 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 : 0.41582
Projection test lower tail : FALSE
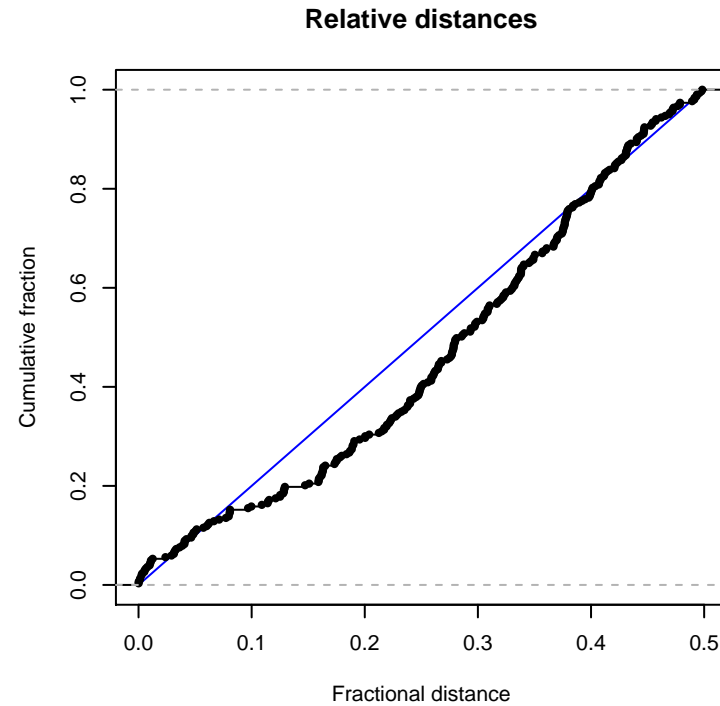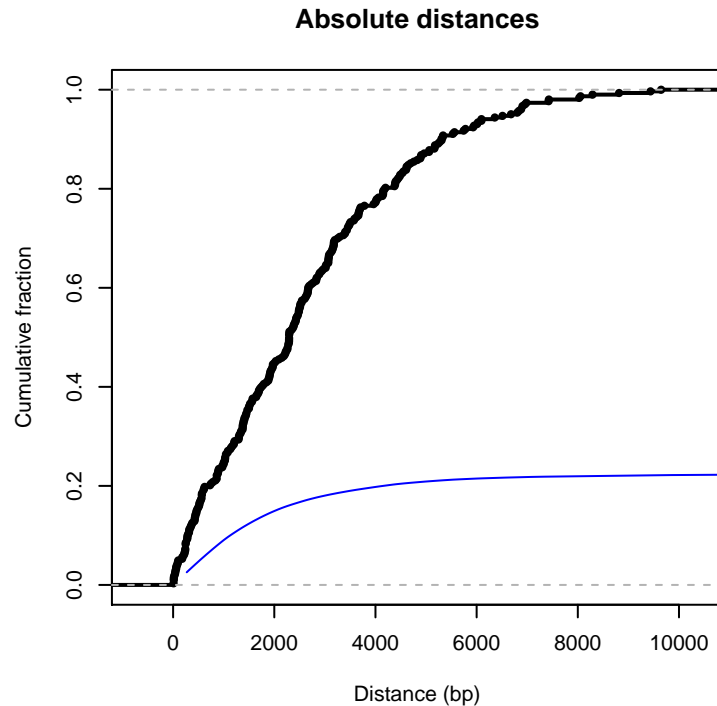Projection test observed to expected ratio : 1.01593

Absolute distances

Relative distances

pcontig_051

Query population : 134
Reference population : 45
Relative Ks p−value : 0.133193
Relative ecdf deviation area : 0.0211927
Relative ecdf area correlation : −0.0543435
Relative ecdf deviation area p−value : 0.12
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.09969e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.59961

Absolute distances

Relative distances
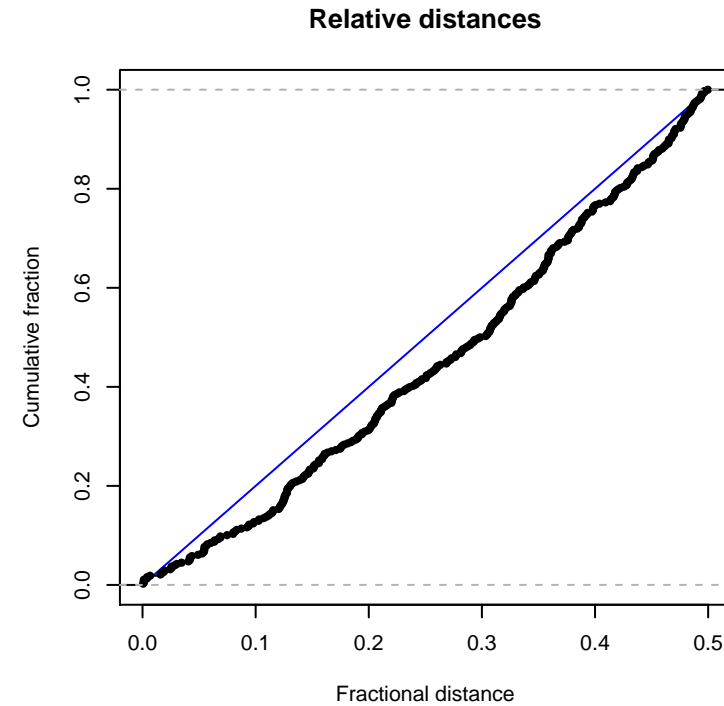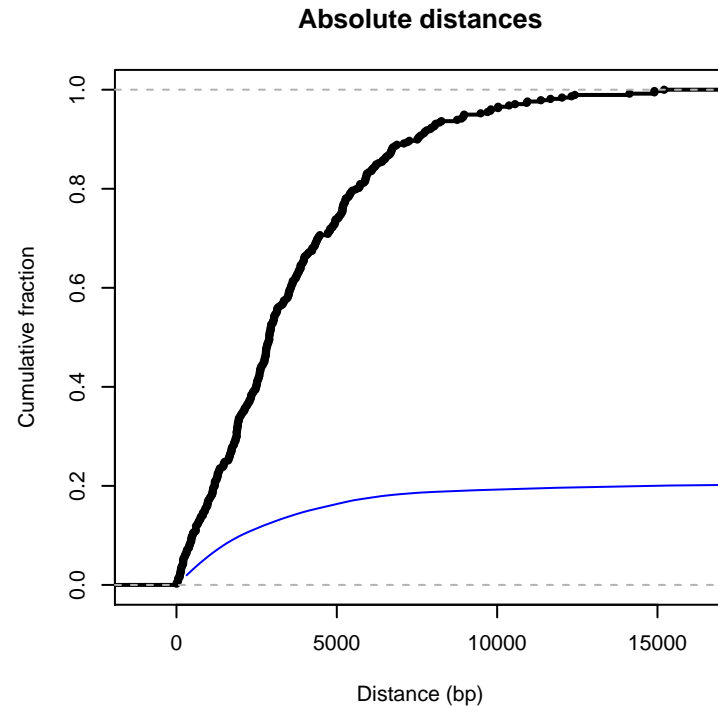
Absolute distances

Relative distances

pcontig_052

Query population : 303
Reference population : 146
Relative Ks p−value : 0.000180065
Relative ecdf deviation area : 0.0248721
Relative ecdf area correlation : −0.0882369
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.49474e−07
Projection test lower tail : FALSE
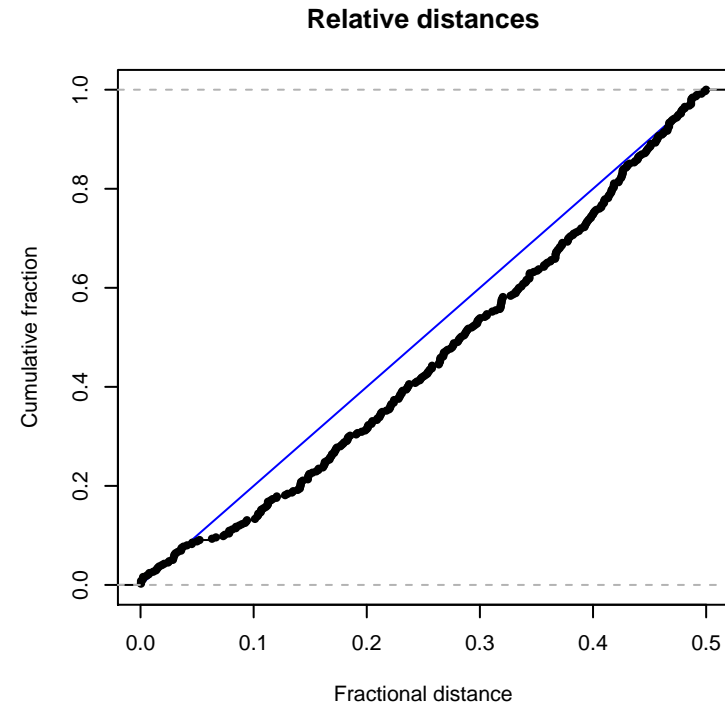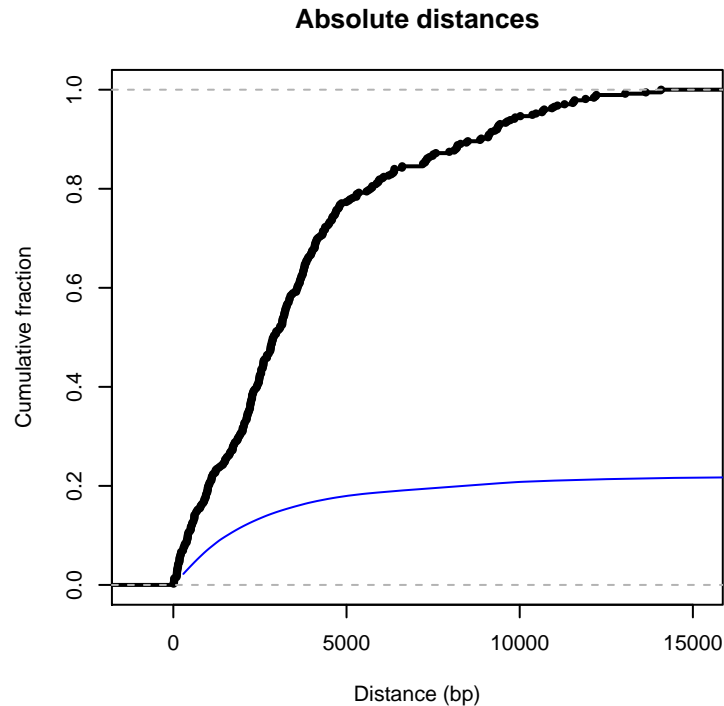Projection test observed to expected ratio : 2.05738

pcontig_054

Query population : 378
Reference population : 95
Relative Ks p−value : 0.000366223
Relative ecdf deviation area : 0.029107
Relative ecdf area correlation : −0.116507
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.56426e−05
Projection test lower tail : FALSE
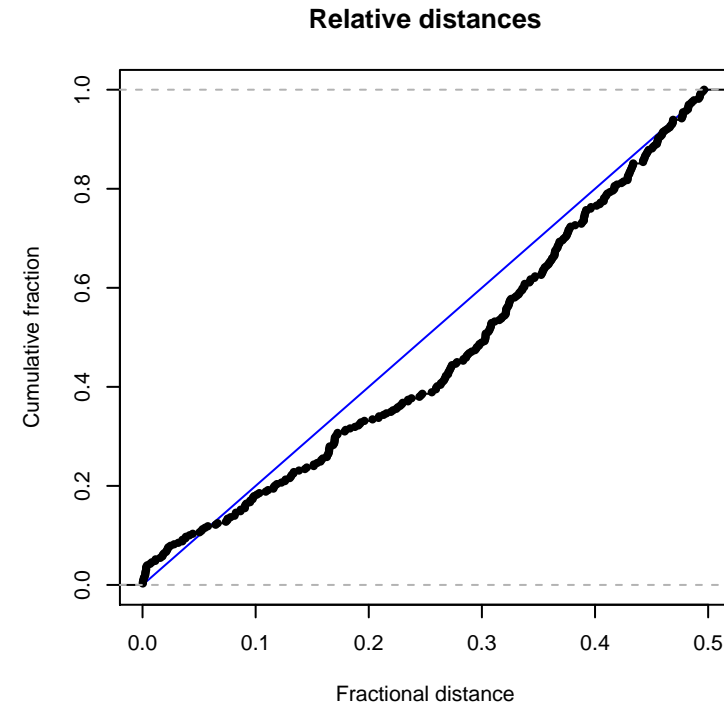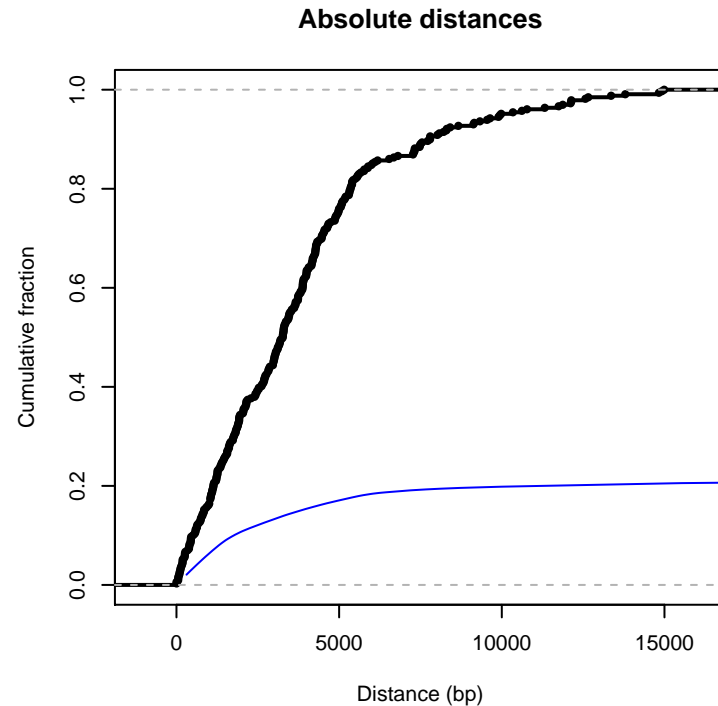Projection test observed to expected ratio : 1.97639

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_055

Query population : 375
Reference population : 118
Relative Ks p−value : 0.00486144
Relative ecdf deviation area : 0.025936
Relative ecdf area correlation : −0.103394
Relative ecdf deviation 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 : 0.00014576
Projection test lower tail : FALSE
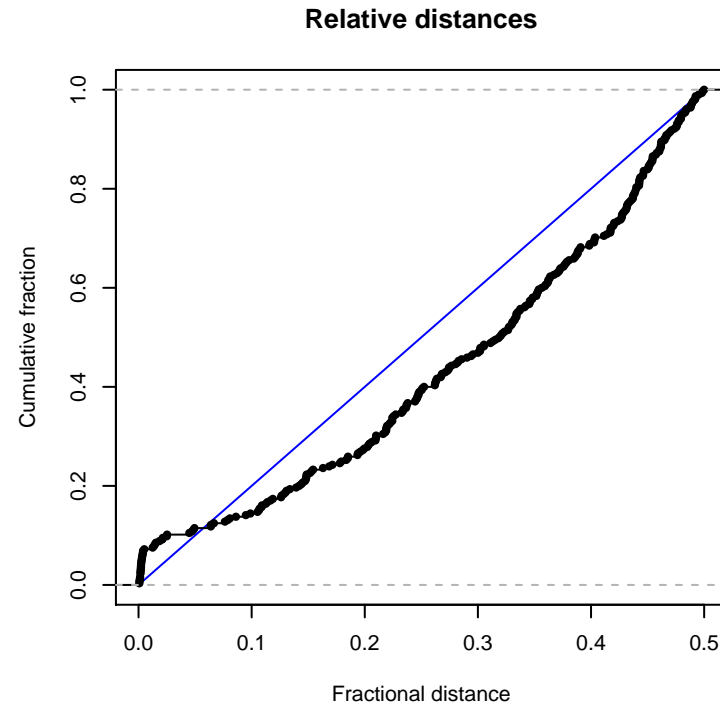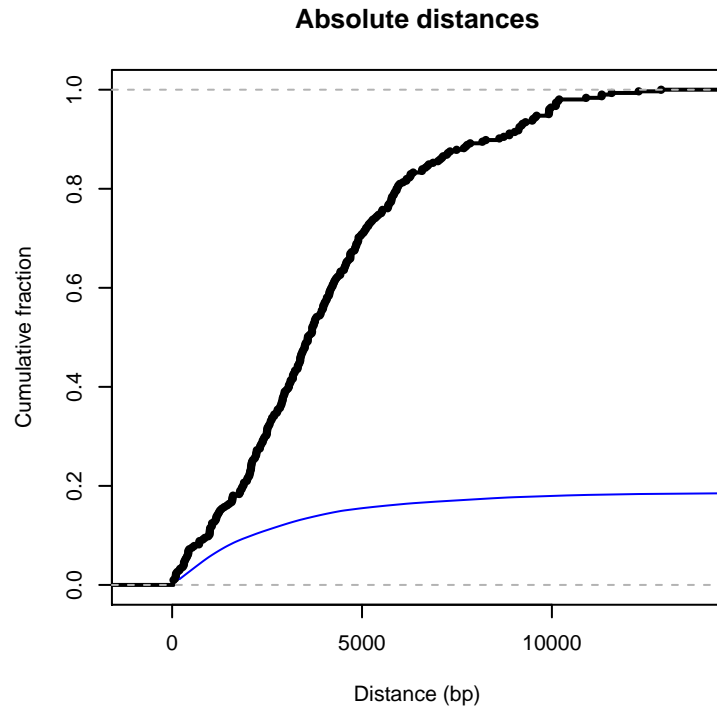Projection test observed to expected ratio : 1.76596

pcontig_056

Query population : 329
Reference population : 103
Relative Ks p−value : 3.16144e−05
Relative ecdf deviation area : 0.0260363
Relative ecdf area correlation : −0.0945389
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.33275

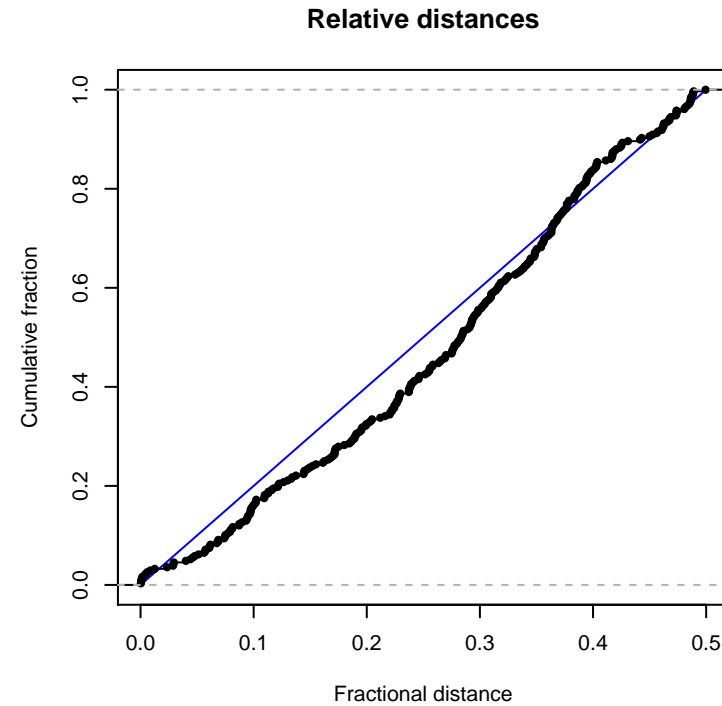**Absolute distances**

Relative distances

pcontig_057

Query population : 305
Reference population : 92
Relative Ks p−value : 9.49118e−06
Relative ecdf deviation area : 0.0421005
Relative ecdf area correlation : −0.152898
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.03
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.264473
Projection test lower tail : FALSE
Projection test observed to expected ratio : 1.11569

Absolute distances

Relative distances

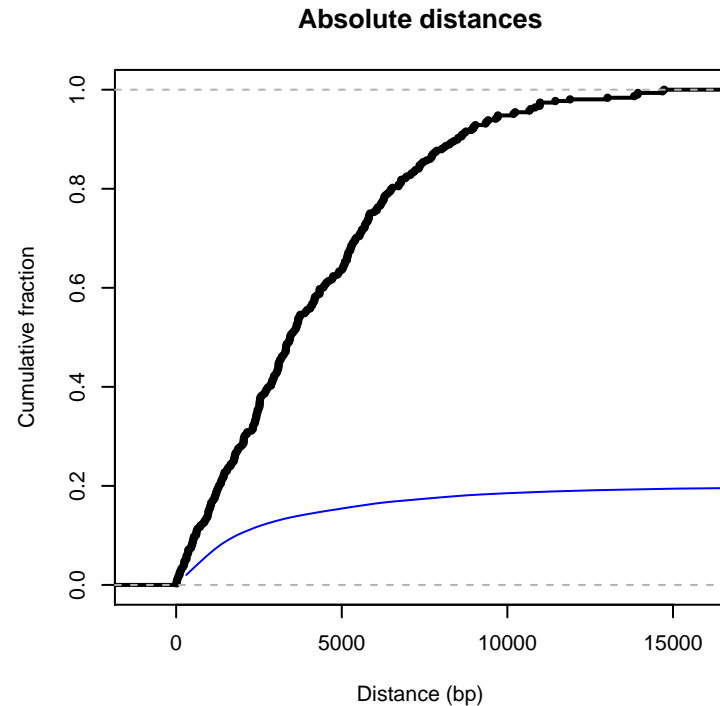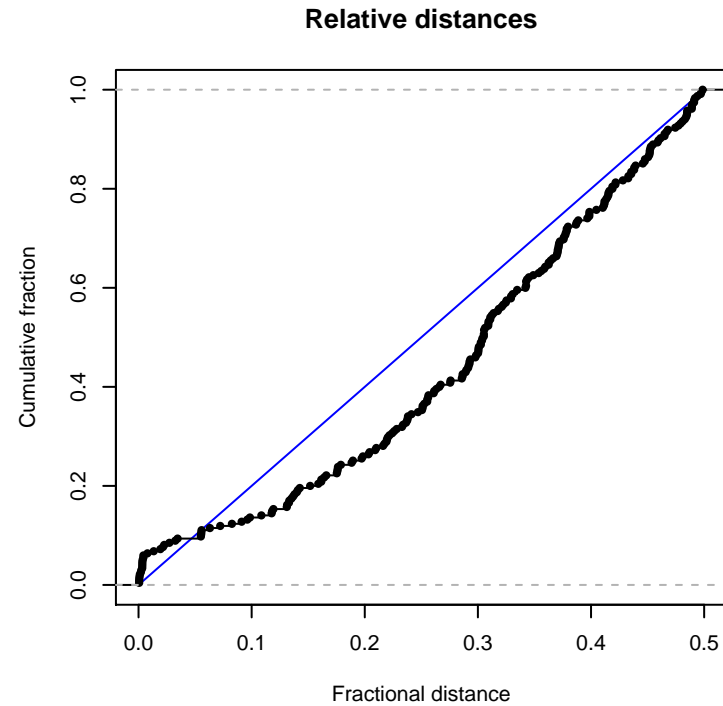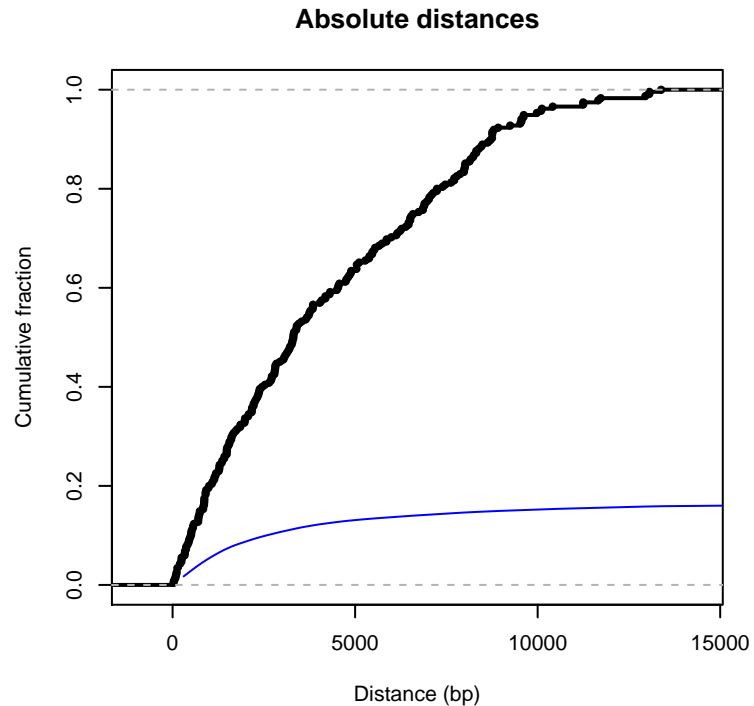**Absolute distances**

Relative distances

pcontig_058

Query population : 308
Reference population : 101
Relative Ks p−value : 0.00444635
Relative ecdf deviation area : 0.021774
Relative ecdf area correlation : −0.0679199
Relative ecdf deviation 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 : 0.0349368
Projection test lower tail : FALSE
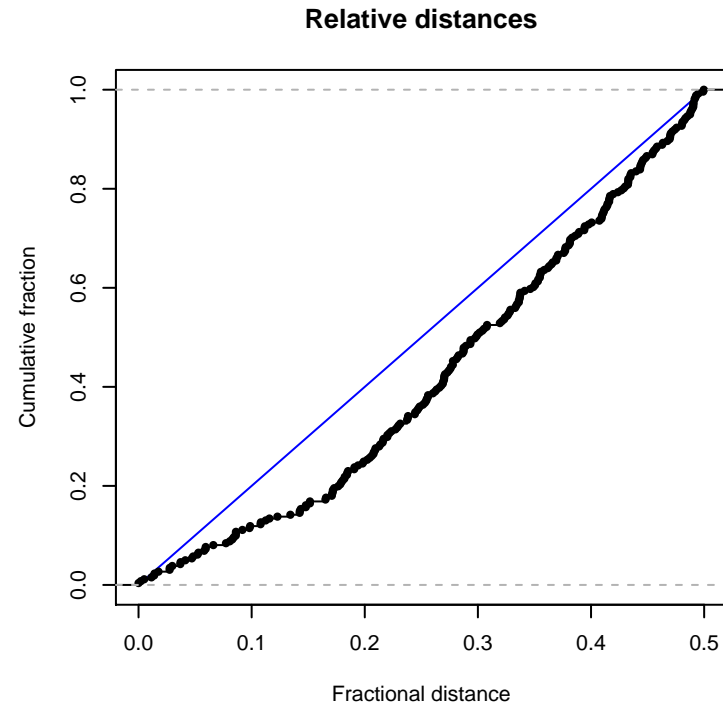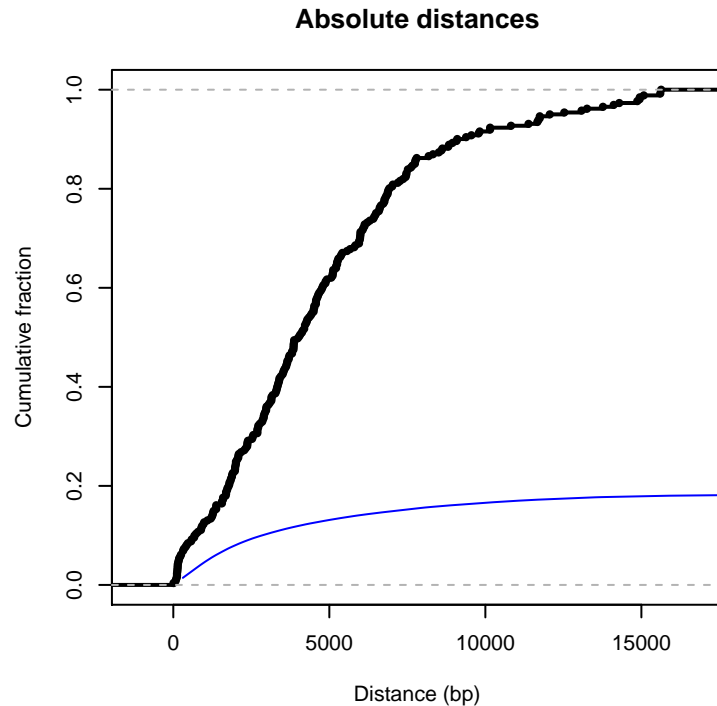Projection test observed to expected ratio : 1.42806

Absolute distances

Relative distances

pcontig_059

Query population : 235
Reference population : 88
Relative Ks p−value : 1.42485e−05
Relative ecdf deviation area : 0.0385732
Relative ecdf area correlation : −0.143259
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000640769
Projection test lower tail : FALSE
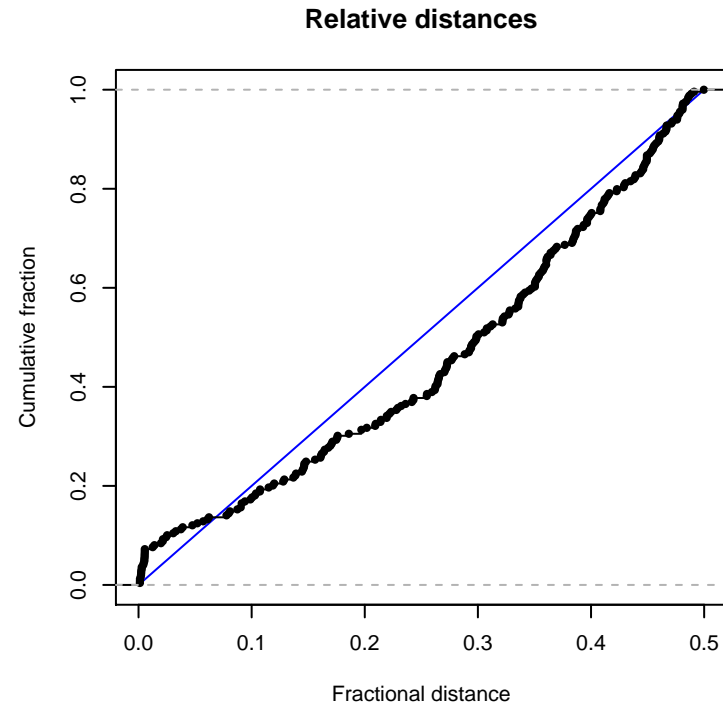Projection test observed to expected ratio : 1.95726

Absolute distances

Relative distances

pcontig_060

Query population : 261
Reference population : 72
Relative Ks p−value : 1.25546e−06
Relative ecdf deviation area : 0.0433348
Relative ecdf area correlation : −0.174507
Relative ecdf deviation 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 : 0.00391528
Projection test lower tail : FALSE
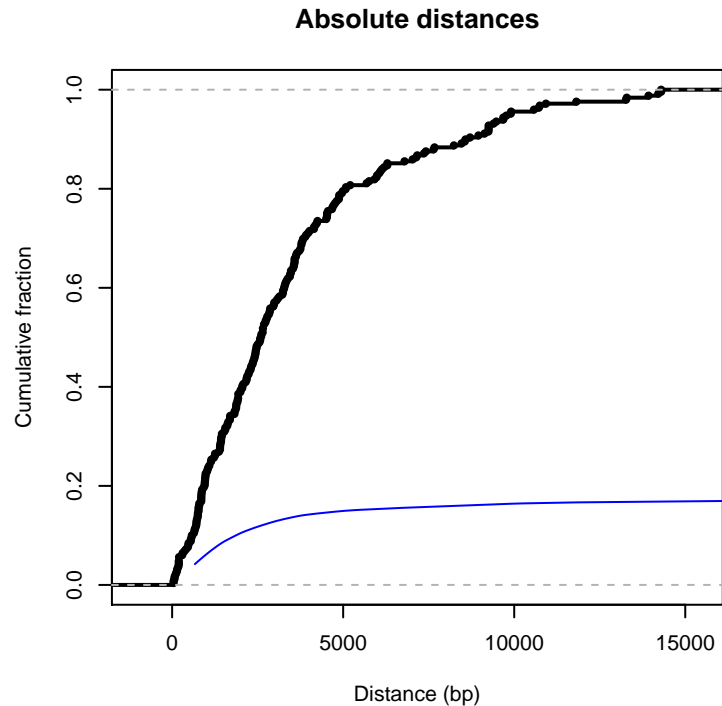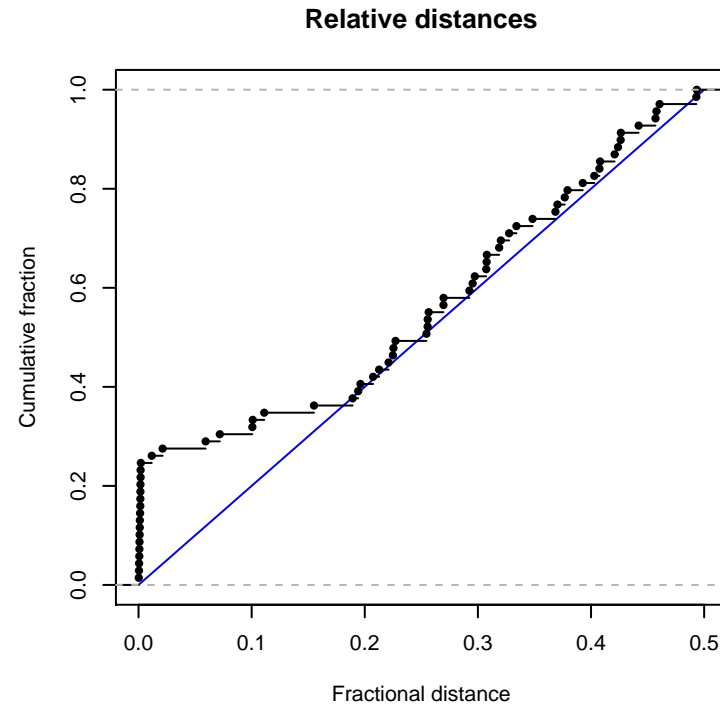Projection test observed to expected ratio : 1.76065

pcontig_062

Query population : 249
Reference population : 97
Relative Ks p−value : 0.000257353
Relative ecdf deviation area : 0.0310145
Relative ecdf area correlation : −0.105172
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.19
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0019143
Projection test lower tail : FALSE
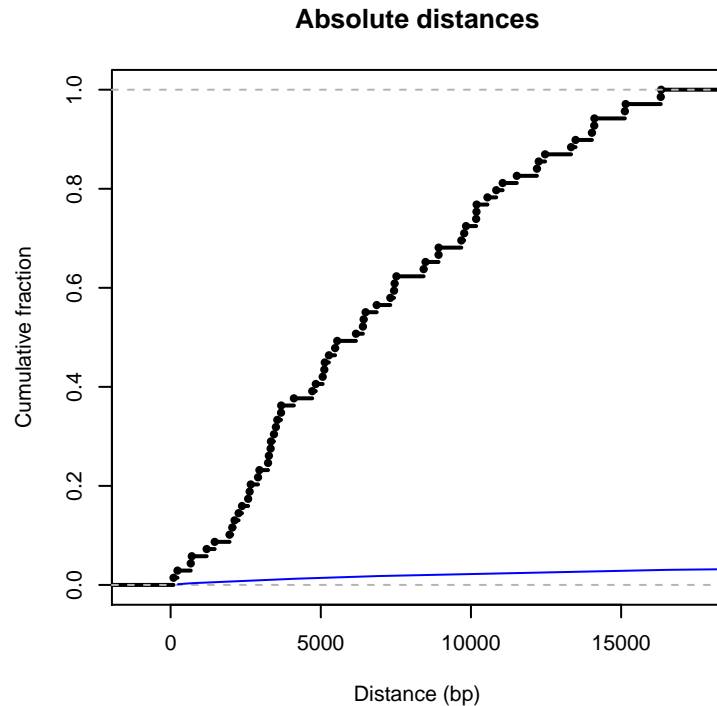Projection test observed to expected ratio : 1.78594

Absolute distances

Relative distances

Absolute distances
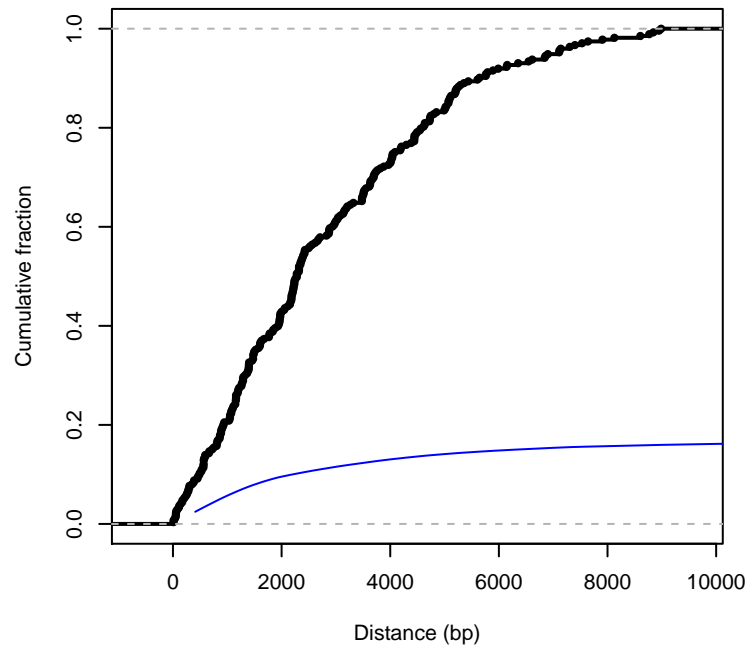
Relative distances

pcontig_063

Query population : 69
Reference population : 9
Relative Ks p−value : 0.000474267
Relative ecdf deviation area : 0.0312248
Relative ecdf area correlation : 0.120225
Relative ecdf deviation area p−value : 0.11
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.73315e−05
Projection test lower tail : FALSE
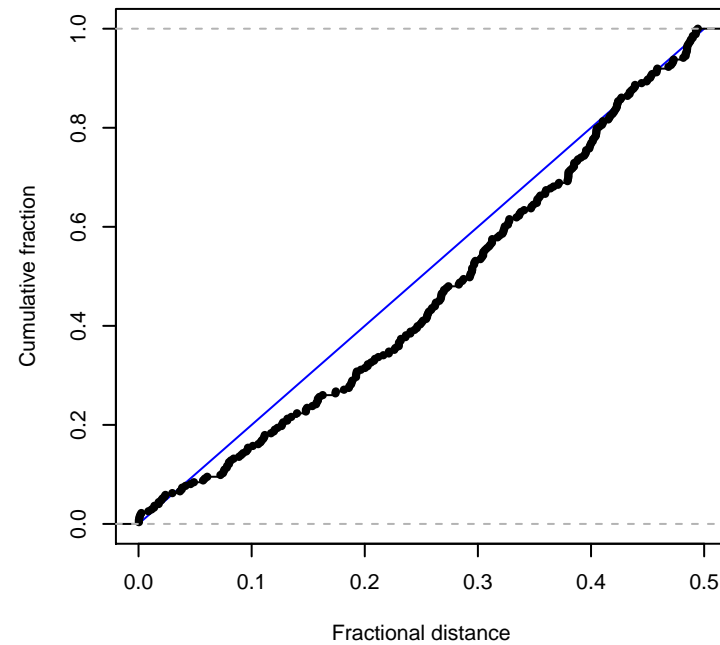Projection test observed to expected ratio : 14.6607

pcontig_064

Query population : 273
Reference population : 92
Relative Ks p−value : 0.00503004
Relative ecdf deviation area : 0.0240846
Relative ecdf area correlation : −0.0939065
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.03916e−11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.2528
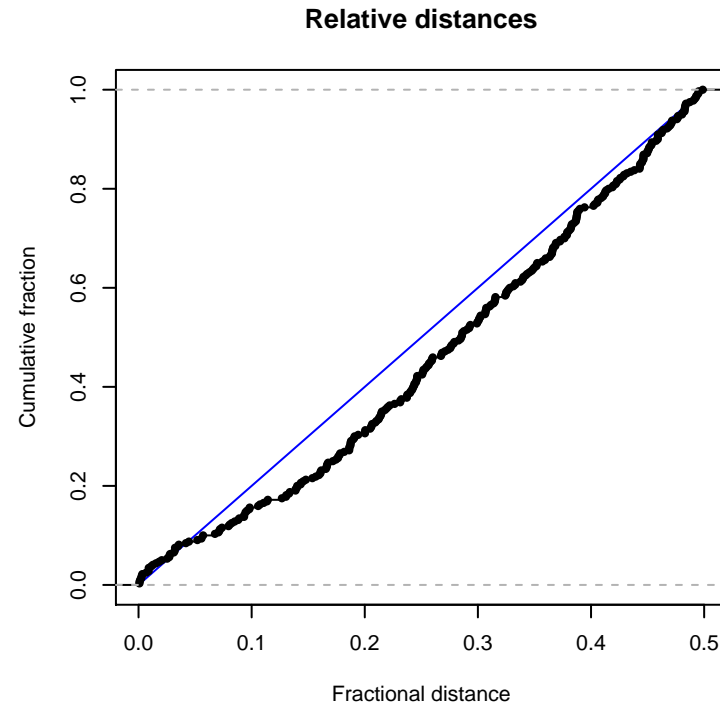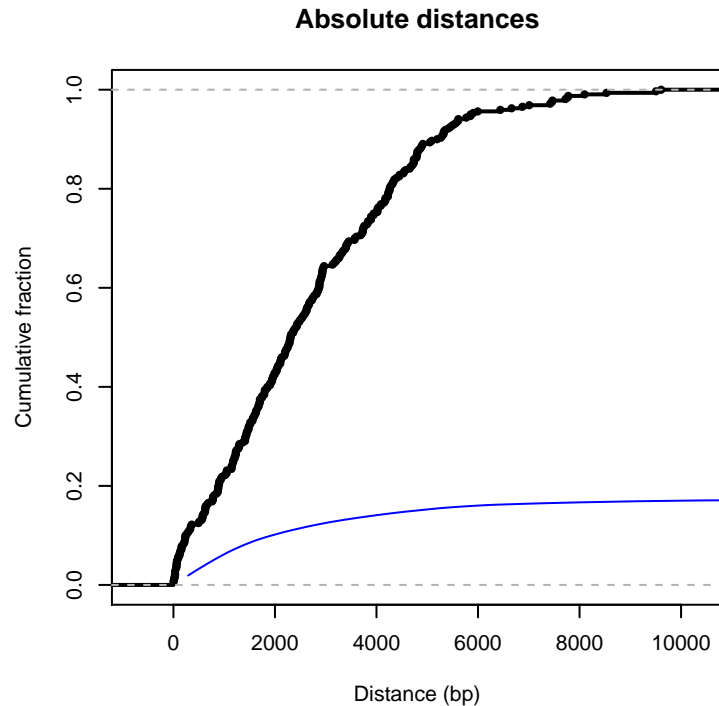
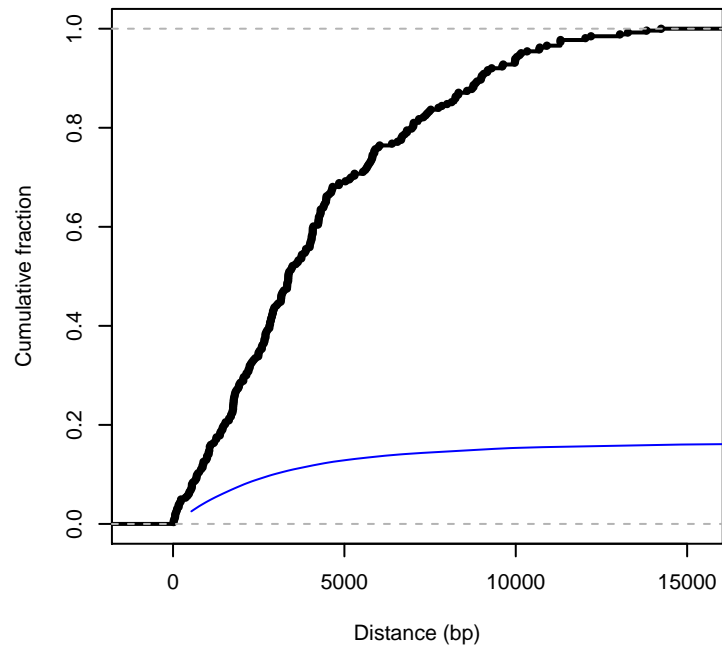**Absolute distances**

Relative distances

pcontig_065

Query population : 320
Reference population : 101
Relative Ks p−value : 0.00206699
Relative ecdf deviation area : 0.0259971
Relative ecdf area correlation : −0.101183
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.86418e−08
Projection test lower tail : FALSE
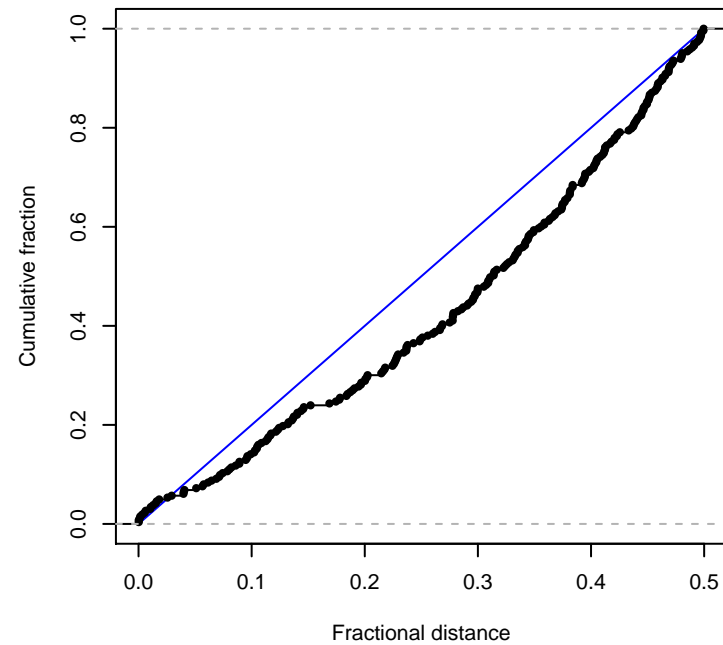Projection test observed to expected ratio : 2.47867

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_066

Query population : 263
Reference population : 73
Relative Ks p−value : 1.8286e−05
Relative ecdf deviation area : 0.0398479
Relative ecdf area correlation : −0.157281
Relative ecdf deviation 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 : 0.00973523
Projection test lower tail : FALSE
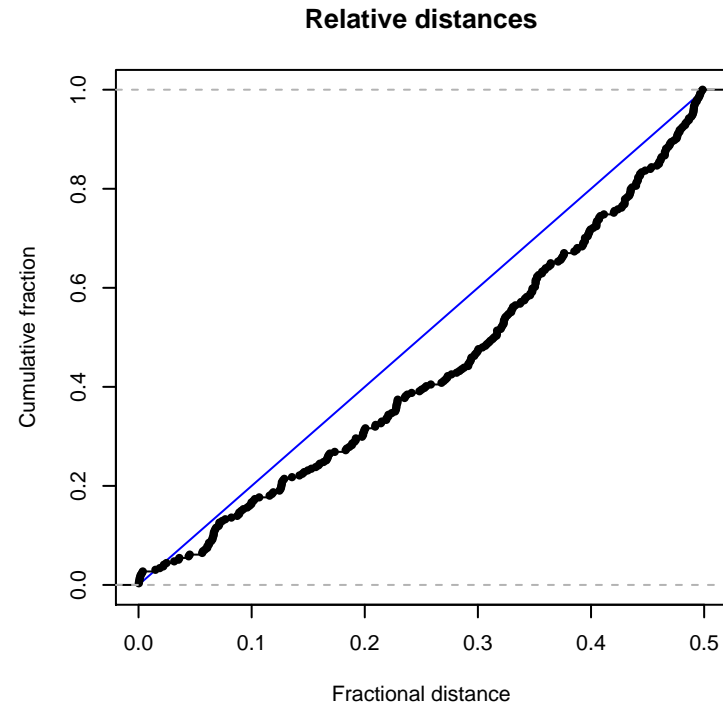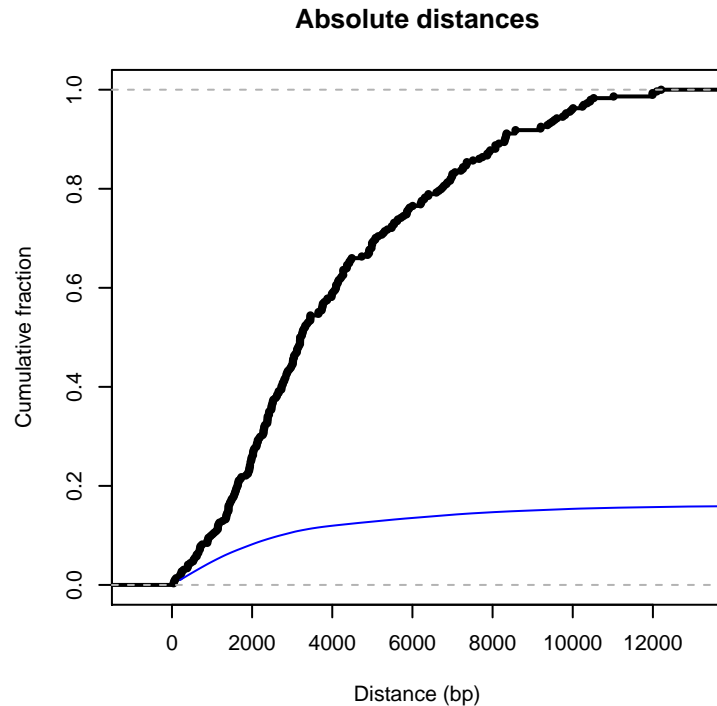Projection test observed to expected ratio : 1.77948

Absolute distances
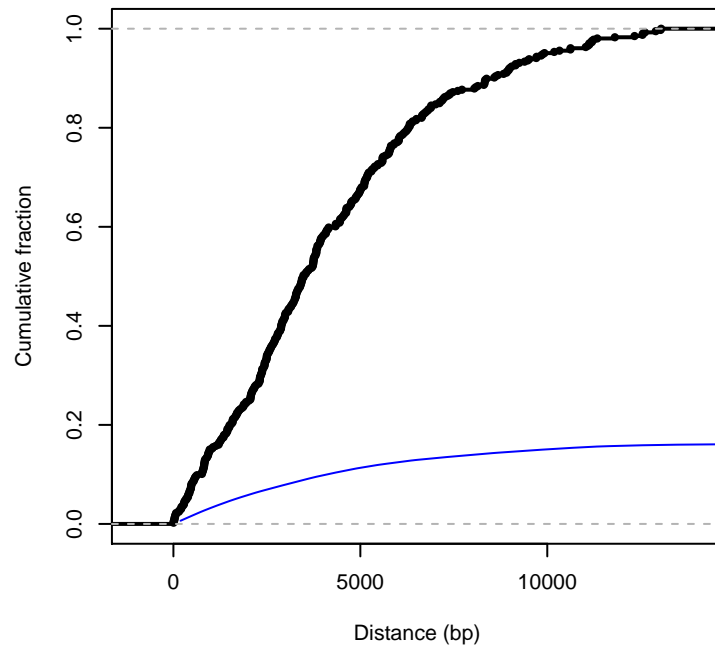
Relative distances

pcontig_067

Query population : 294
Reference population : 76
Relative Ks p−value : 1.00617e−05
Relative ecdf deviation area : 0.0371487
Relative ecdf area correlation : −0.147166
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.04
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.197181
Projection test lower tail : FALSE
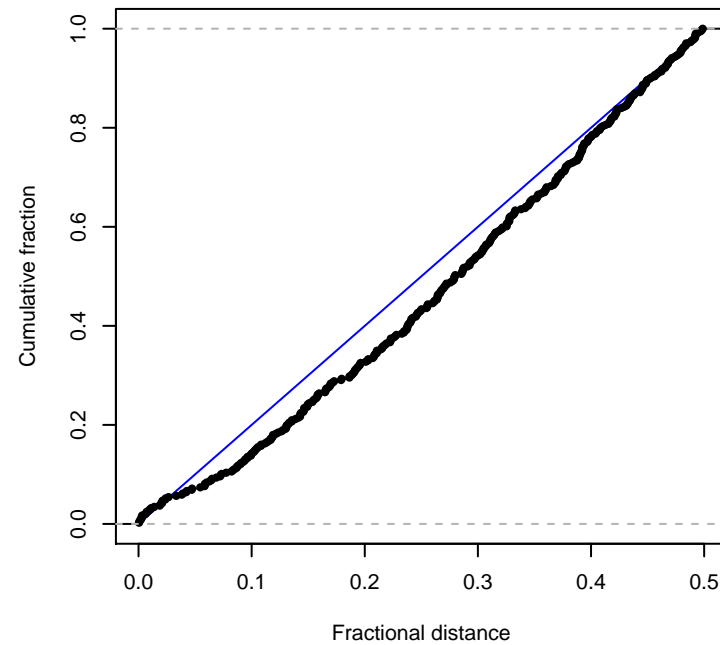Projection test observed to expected ratio : 1.19695

Absolute distances

Relative distances

pcontig_068

Query population : 406
Reference population : 52
Relative Ks p−value : 0.0056537
Relative ecdf deviation area : 0.0219025
Relative ecdf area correlation : −0.0865175
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.71251e−08
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.275

pcontig_069

Query population : 287
Reference population : 96
Relative Ks p−value : 0.0703029
Relative ecdf deviation area : 0.0127525
Relative ecdf area correlation : 0.0378626
Relative ecdf deviation area p−value : 0.18
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
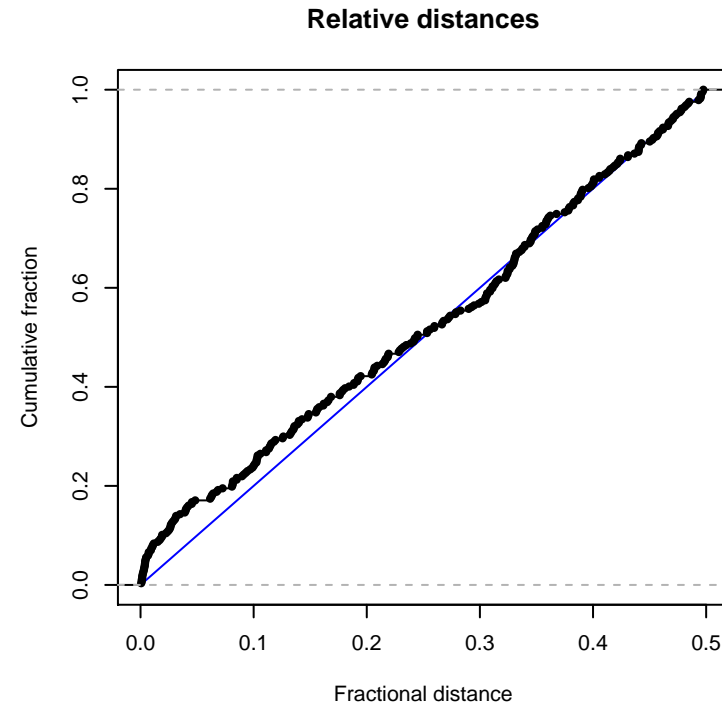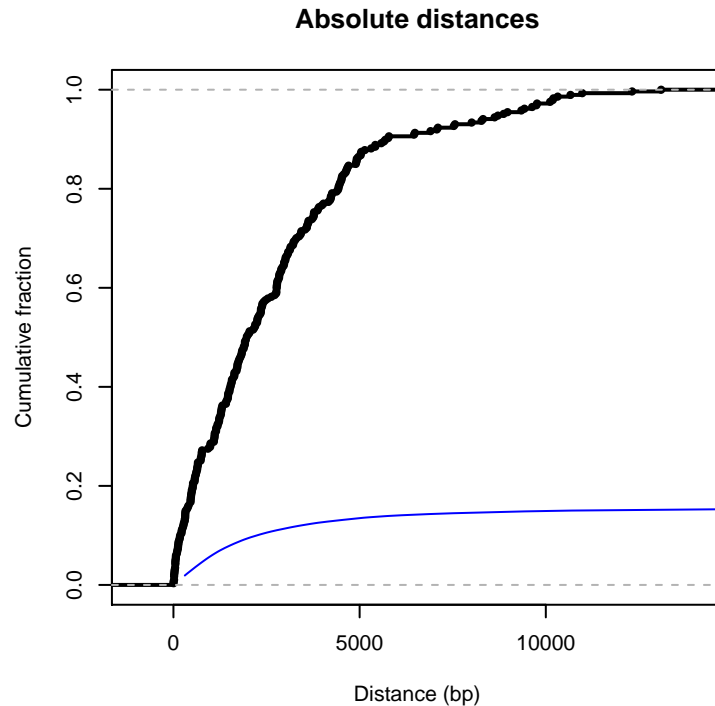Projection test observed to expected ratio : 4.20098

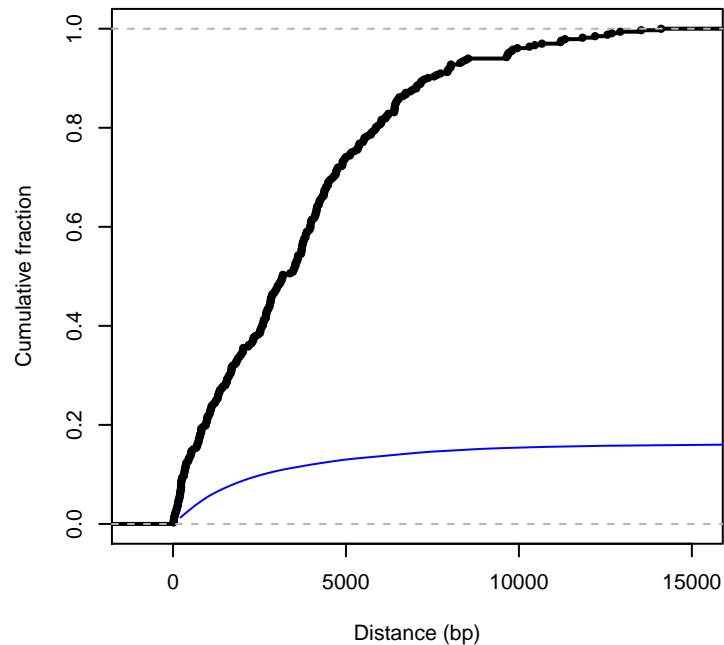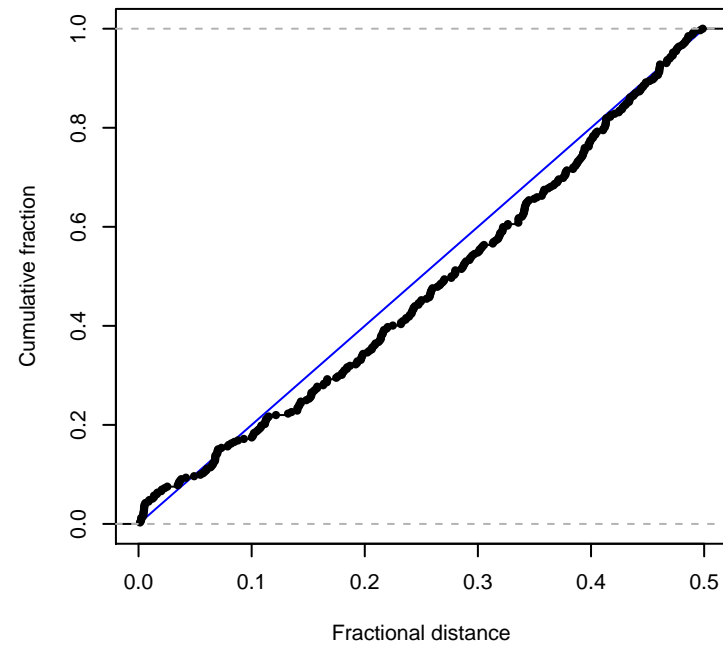**Absolute distances**

Relative distances

pcontig_070

Query population : 332
Reference population : 93
Relative Ks p−value : 0.110608
Relative ecdf deviation area : 0.0174456
Relative ecdf area correlation : −0.0598794
Relative ecdf deviation area p−value : 0.0600000000000001
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.39488e−11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.19323
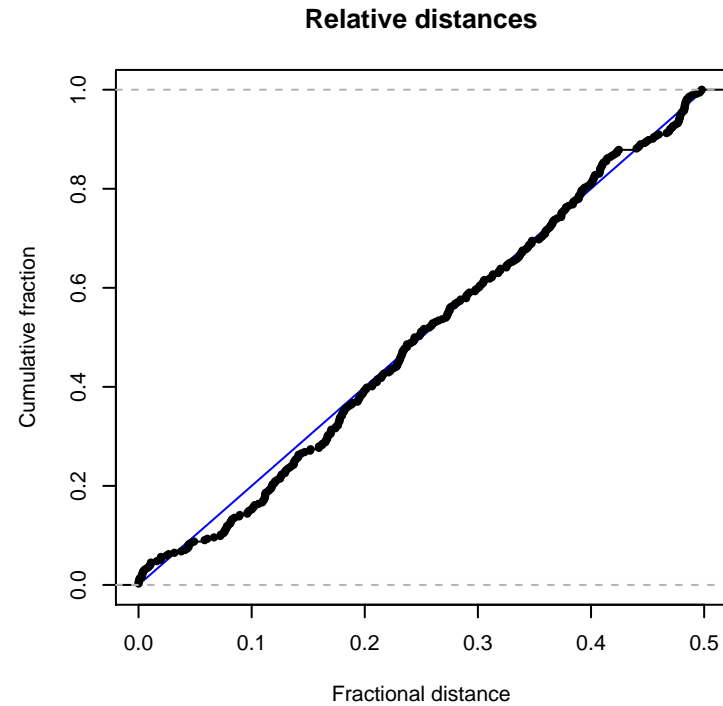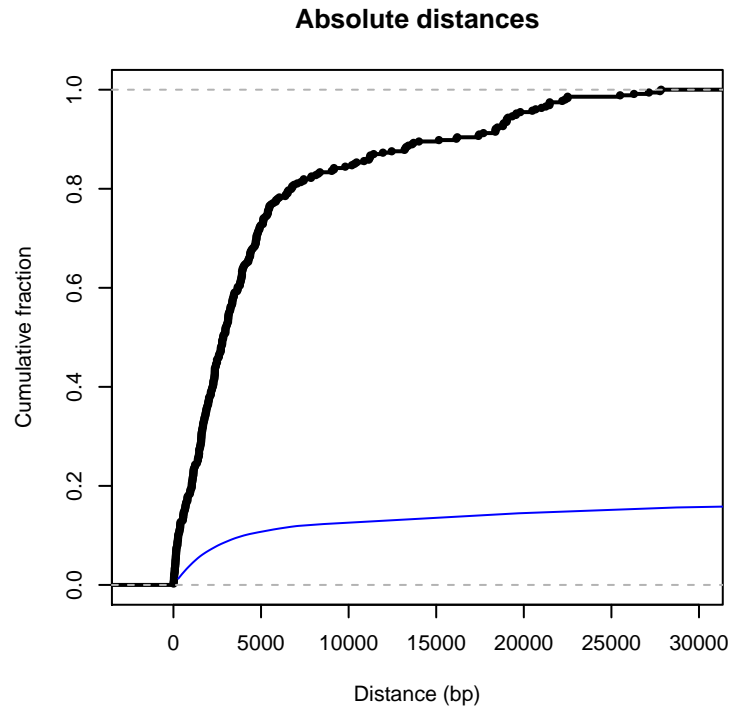
Absolute distances

Relative distances

pcontig_072

Query population : 354
Reference population : 70
Relative Ks p−value : 0.238331
Relative ecdf deviation area : 0.00844978
Relative ecdf area correlation : −0.0189288
Relative ecdf deviation area p−value : 0.43
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.22045e−16
Projection test lower tail : FALSE
Projection test observed to expected ratio : 4.0234

Absolute distances

Relative distances
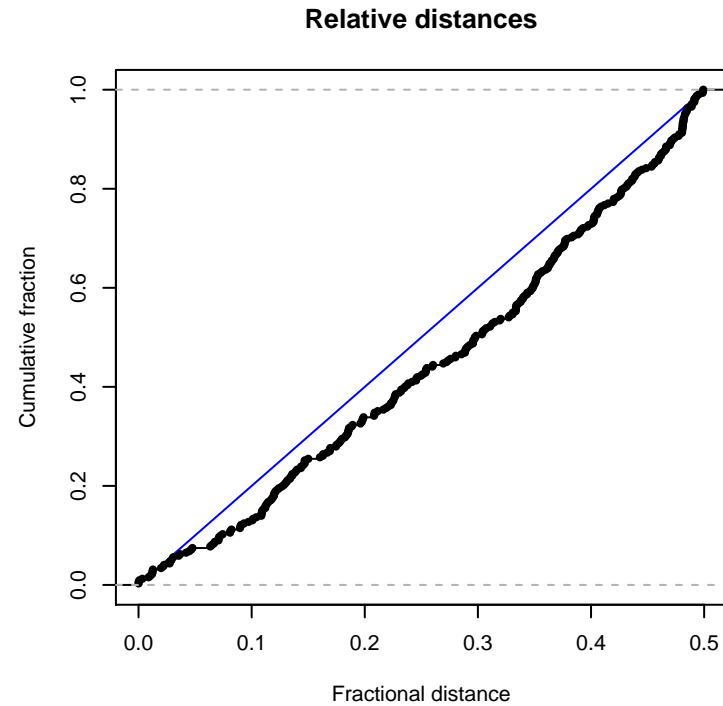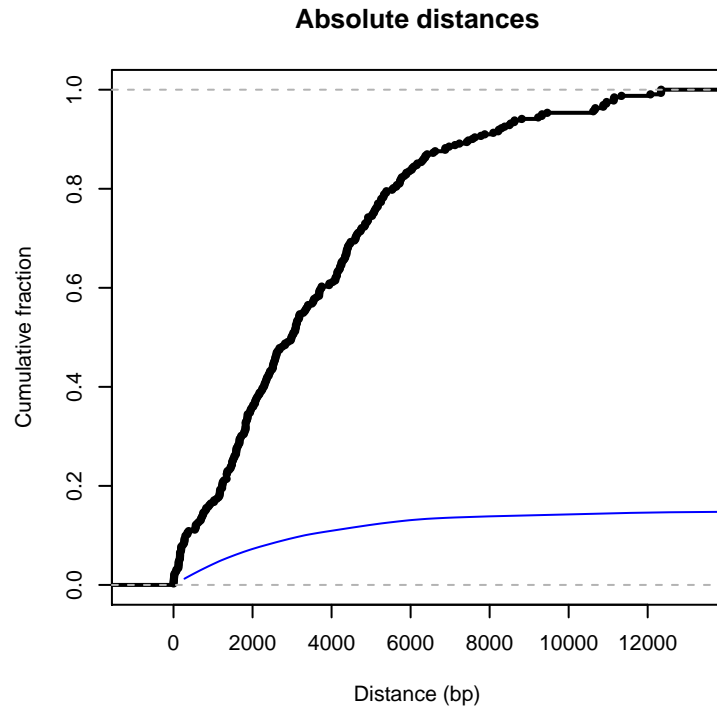
Absolute distances

Relative distances

pcontig_073

Query population : 322
Reference population : 70
Relative Ks p−value : 0.000264023
Relative ecdf deviation area : 0.0318325
Relative ecdf area correlation : −0.125055
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.18123e−10
Projection test lower tail : FALSE
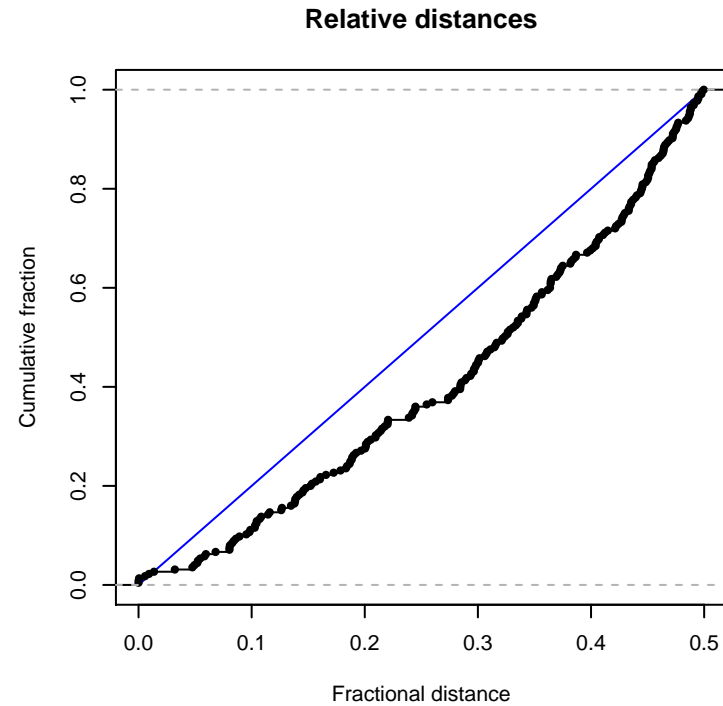Projection test observed to expected ratio : 3.25891

Absolute distances

Relative distances

pcontig_074

Query population : 225
Reference population : 64
Relative Ks p−value : 1.23065e−06
Relative ecdf deviation area : 0.0507846
Relative ecdf area correlation : −0.203238
Relative ecdf deviation 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 : 0.0676142
Projection test lower tail : FALSE
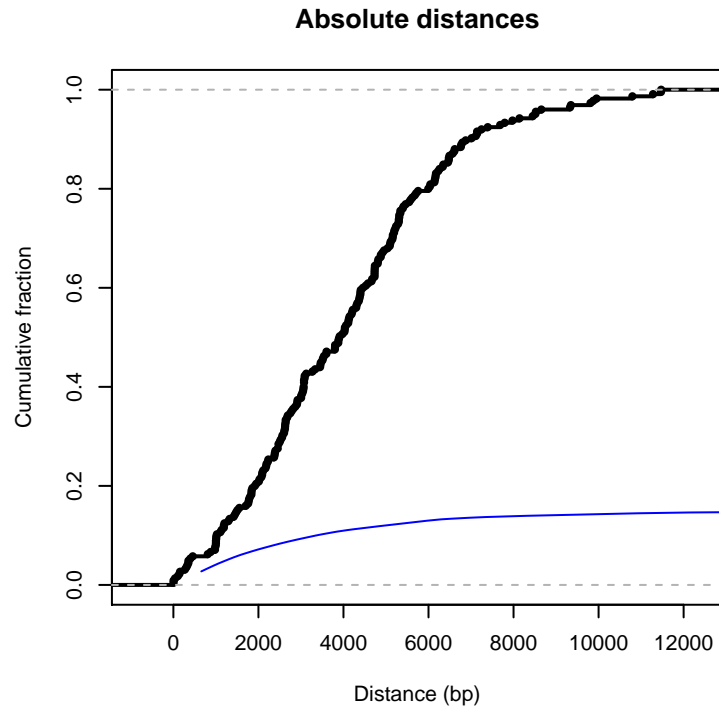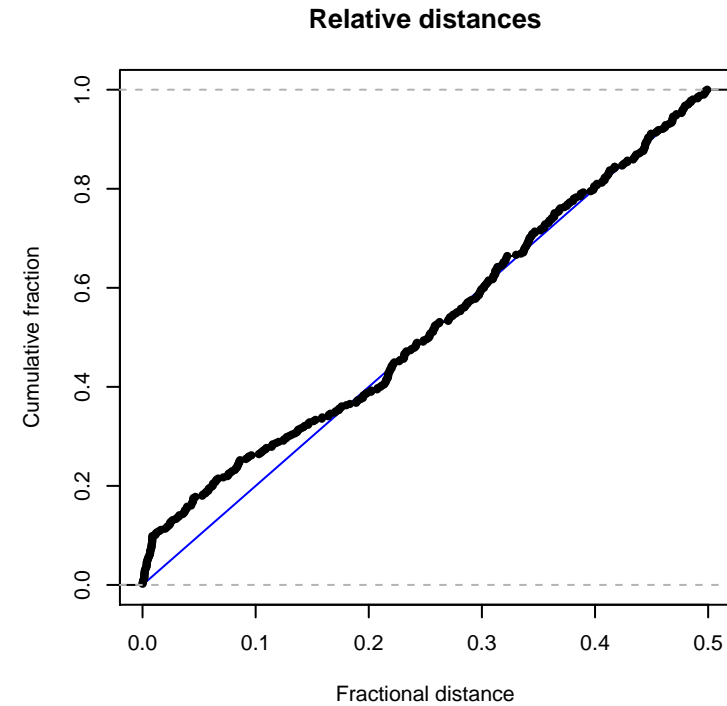Projection test observed to expected ratio : 1.47244

pcontig_075

Query population : 405
Reference population : 53
Relative Ks p−value : 0.00552047
Relative ecdf deviation area : 0.0119307
Relative ecdf area correlation : 0.0401751
Relative ecdf deviation area p−value : 0.12
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.70679e−07
Projection test lower tail : FALSE
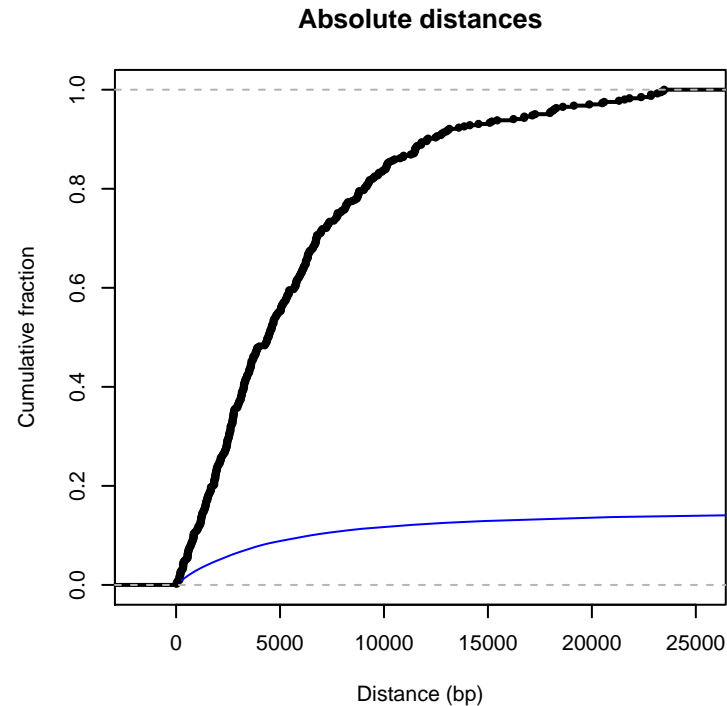Projection test observed to expected ratio : 3.44574

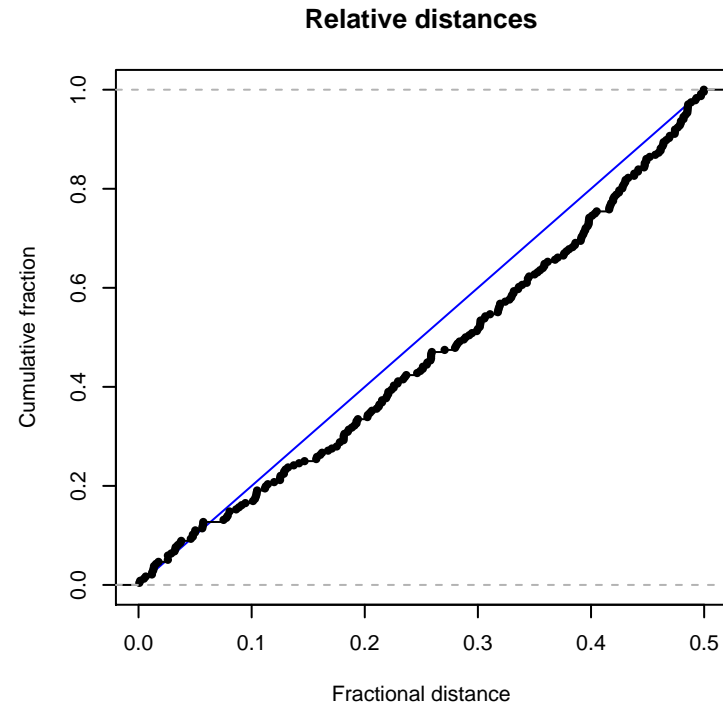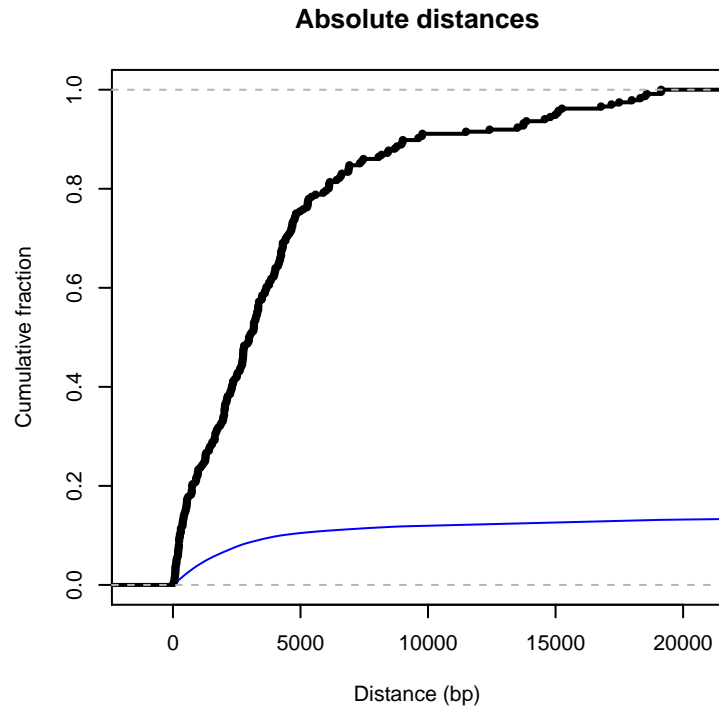**Absolute distances**

Relative distances

pcontig_077

Query population : 236
Reference population : 68
Relative Ks p−value : 0.0404951
Relative ecdf deviation area : 0.0248129
Relative ecdf area correlation : −0.0958045
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.13531e−12
Projection test lower tail : FALSE
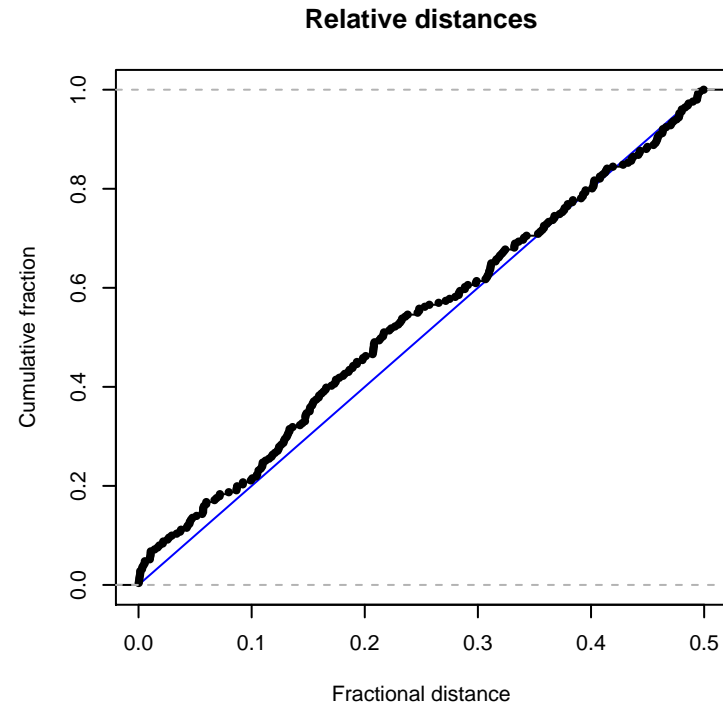Projection test observed to expected ratio : 3.96246

Absolute distances

Relative distances

pcontig_078

Query population : 251
Reference population : 45
Relative Ks p−value : 0.110576
Relative ecdf deviation area : 0.0140905
Relative ecdf area correlation : 0.050088
Relative ecdf deviation area p−value : 0.13
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 7.13669

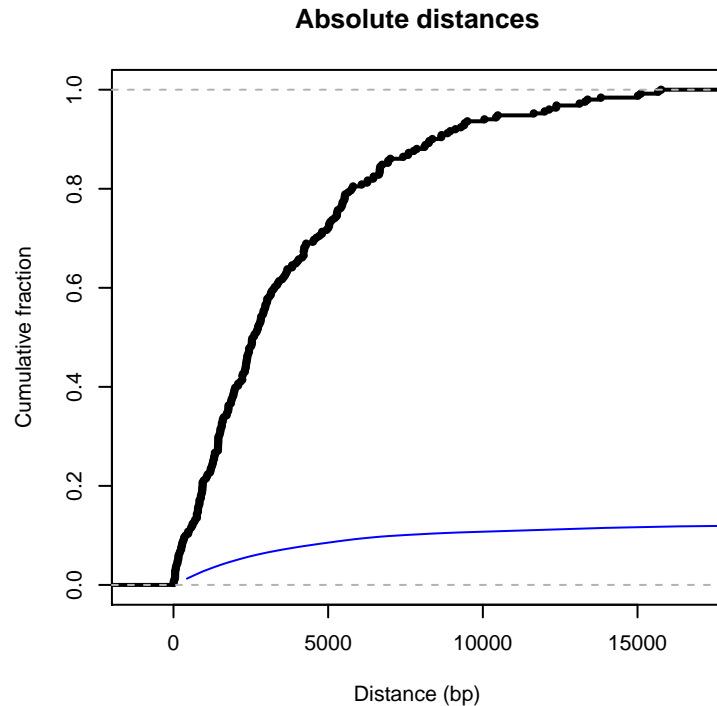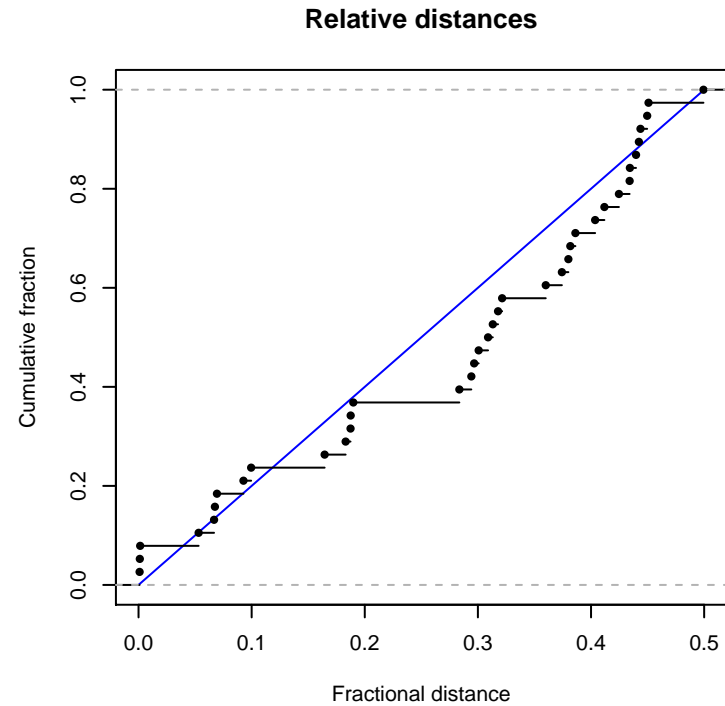**Absolute distances**

Relative distances

Absolute distances

Relative distances

pcontig_079

Query population : 38
Reference population : 7
Relative Ks p−value : 0.0860689
Relative ecdf deviation area : 0.03495
Relative ecdf area correlation : −0.107135
Relative ecdf deviation area p−value : 0.19
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.52404e−06
Projection test lower tail : FALSE
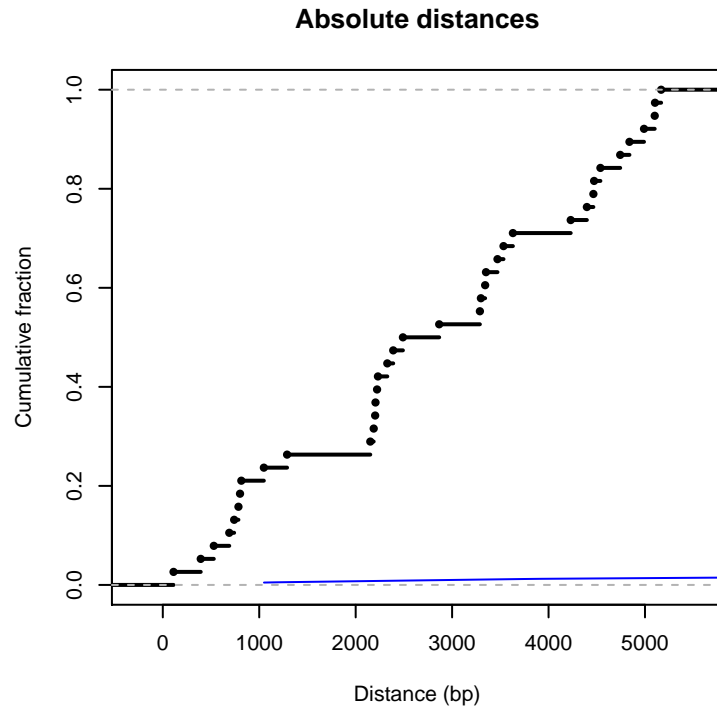Projection test observed to expected ratio : 32.1063

pcontig_080

Query population : 224
Reference population : 62
Relative Ks p−value : 0.000695268
Relative ecdf deviation area : 0.0161172
Relative ecdf area correlation : 0.0224406
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 : 2.28988e−09
Projection test lower tail : FALSE
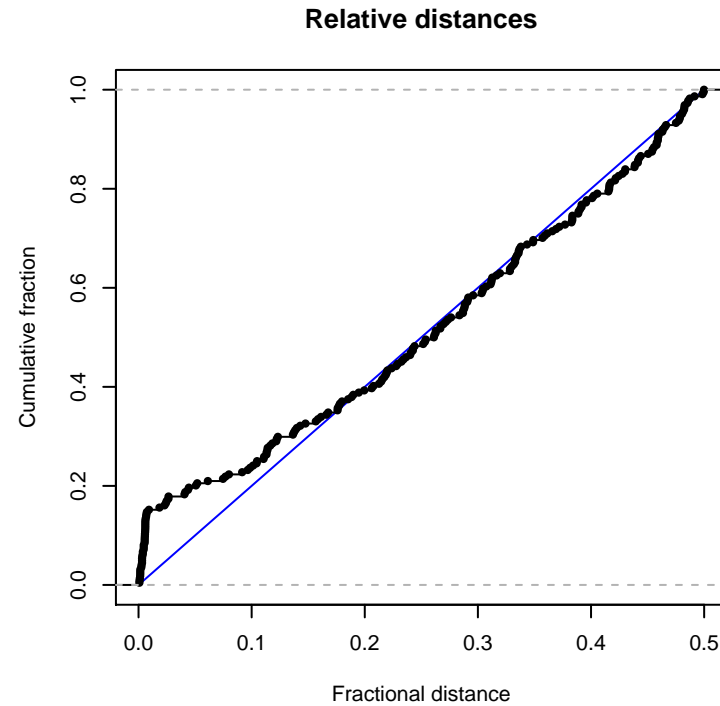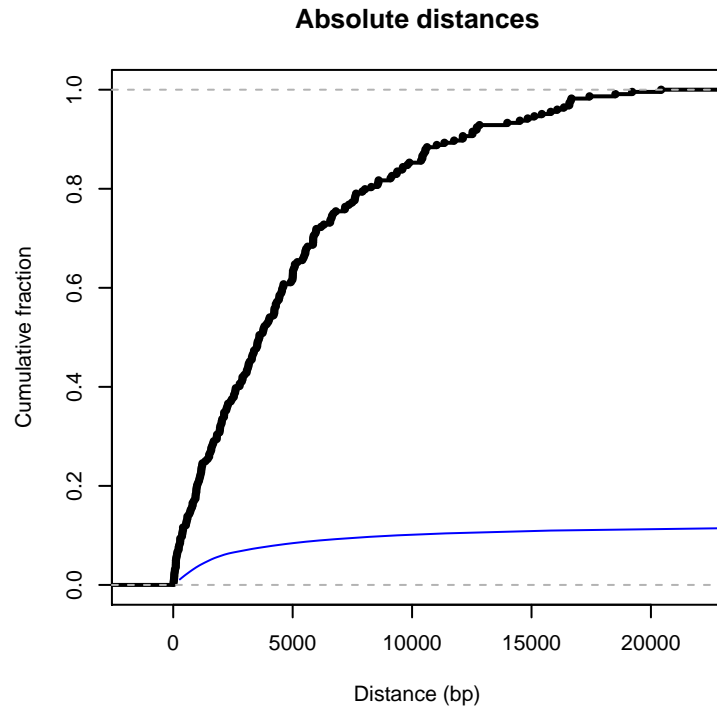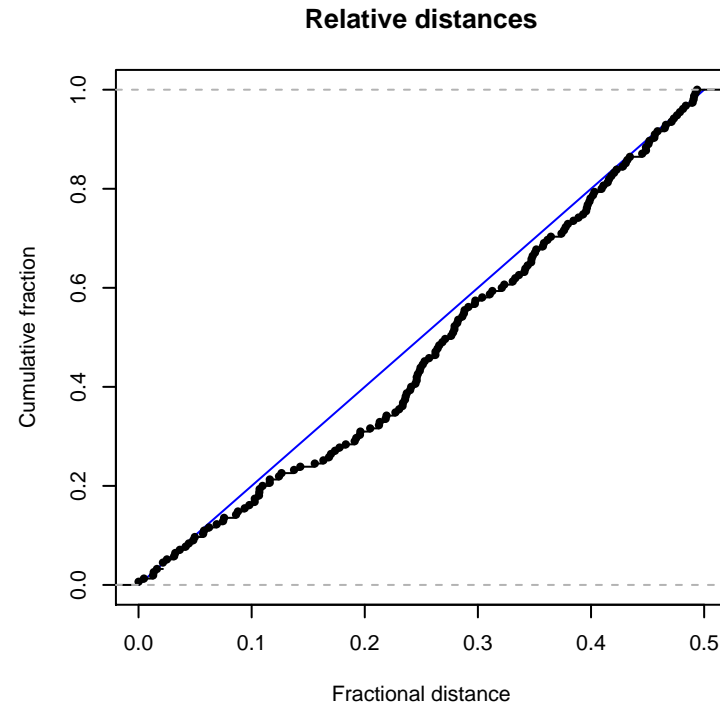Projection test observed to expected ratio : 3.8849

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_081

Query population : 155
Reference population : 58
Relative Ks p−value : 0.0397809
Relative ecdf deviation area : 0.0194965
Relative ecdf area correlation : −0.0770052
Relative ecdf deviation area p−value : 0.13
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.74847e−12
Projection test lower tail : FALSE
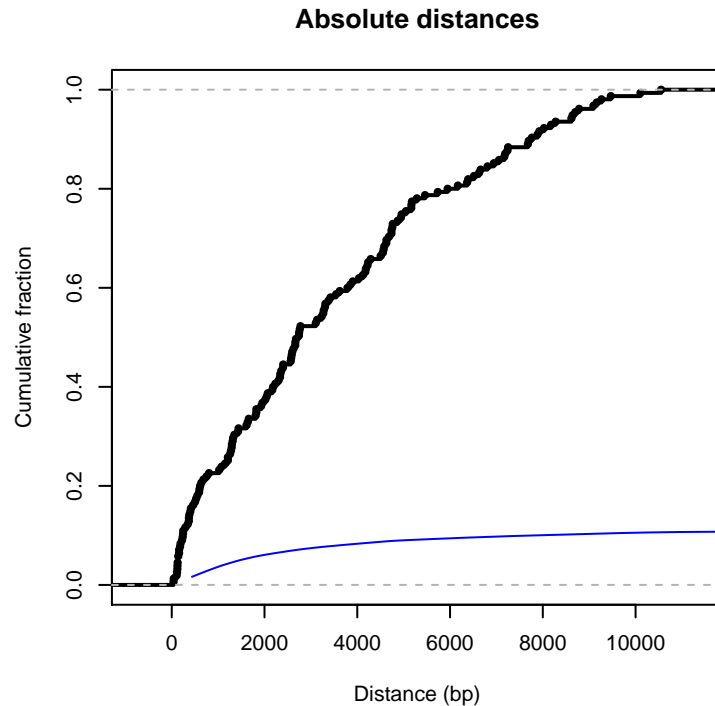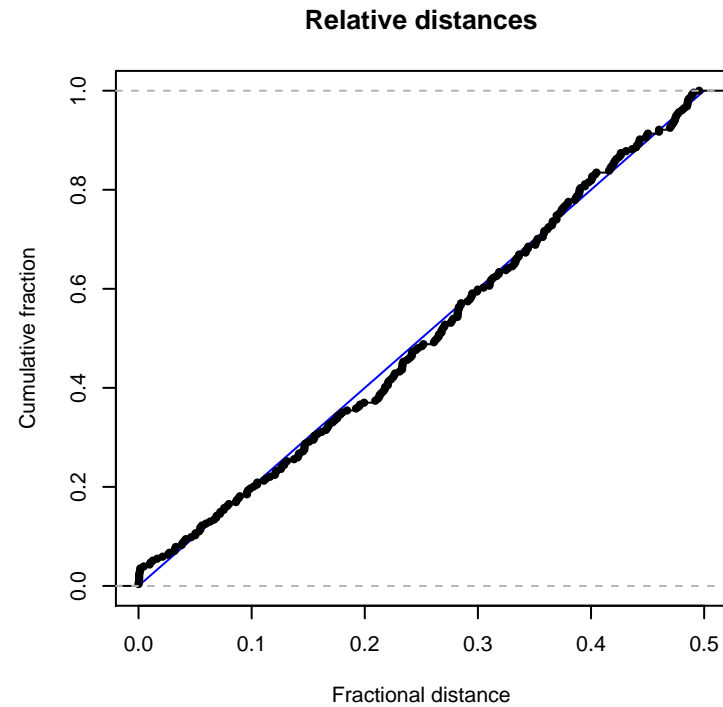Projection test observed to expected ratio : 5.46043

pcontig_082

Query population : 254
Reference population : 60
Relative Ks p−value : 0.572246
Relative ecdf deviation area : 0.00699026
Relative ecdf area correlation : −0.0113741
Relative ecdf deviation area p−value : 0.84
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.63343e−12
Projection test lower tail : FALSE
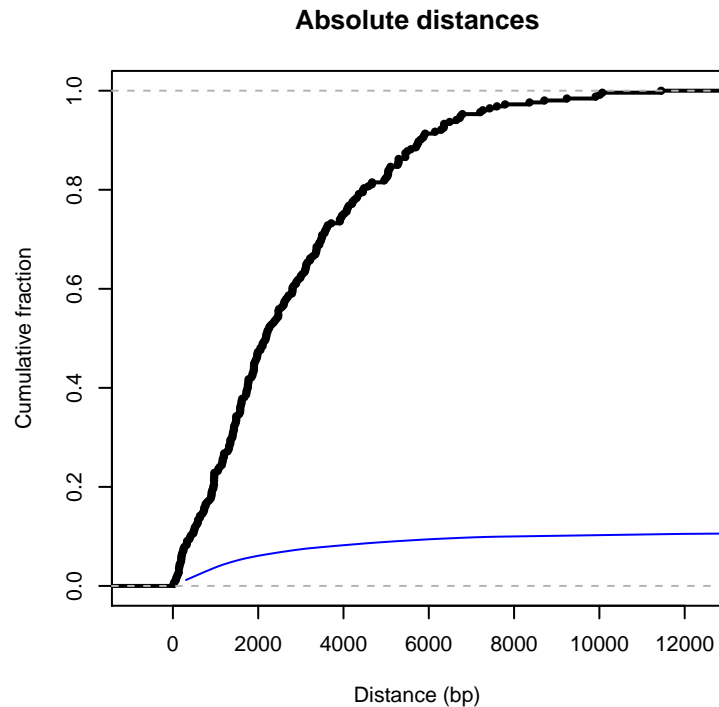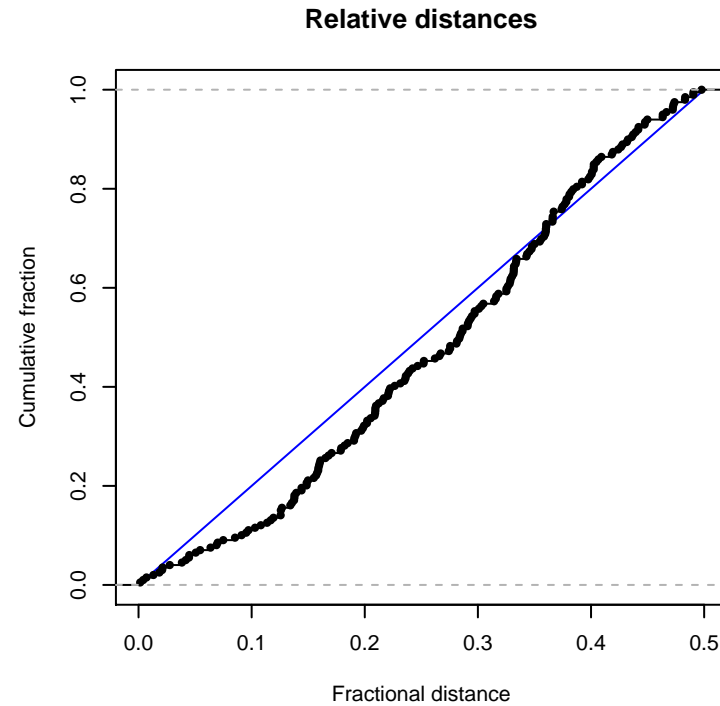Projection test observed to expected ratio : 4.38687

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_083

Query population : 199
Reference population : 54
Relative Ks p−value : 0.00984334
Relative ecdf deviation area : 0.0250583
Relative ecdf area correlation : −0.0740531
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 : 0.13
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.141463
Projection test lower tail : FALSE
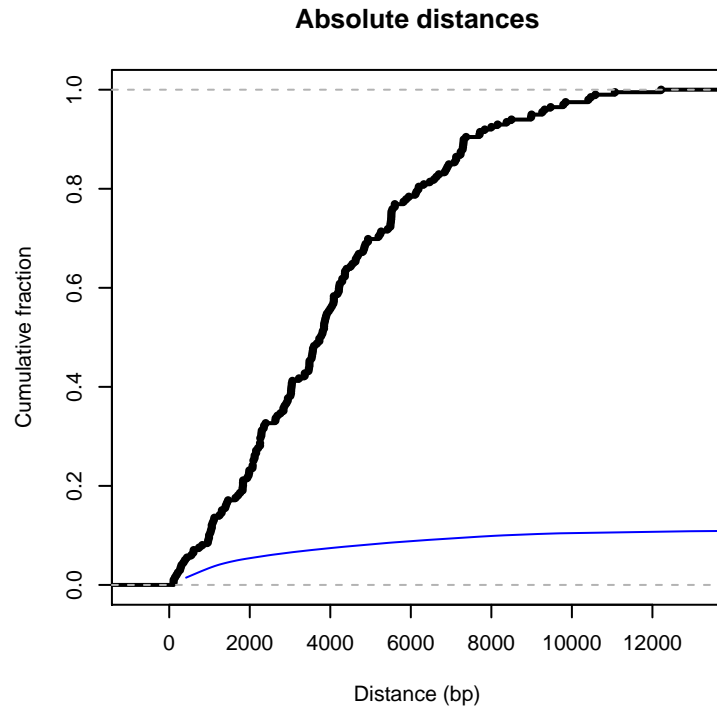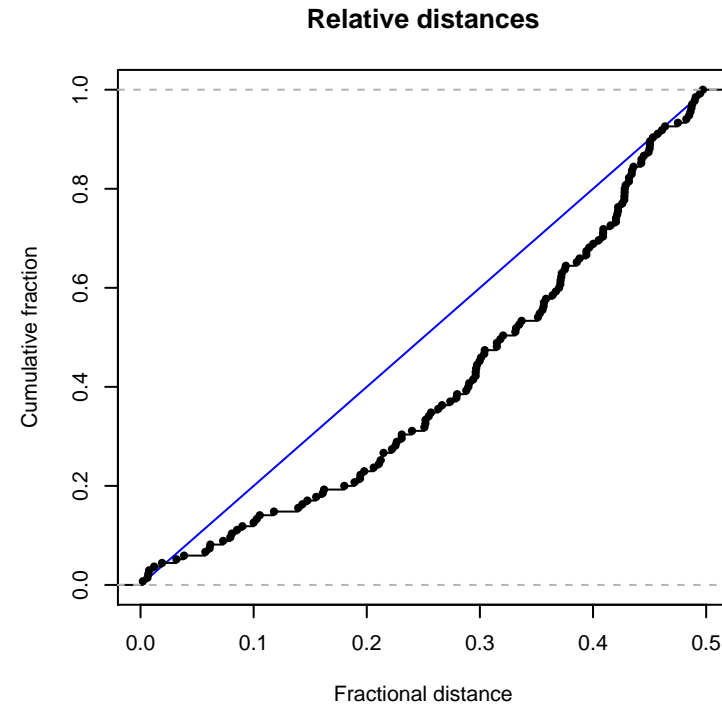Projection test observed to expected ratio : 1.37222

Absolute distances

Relative distances

pcontig_084

Query population : 135
Reference population : 47
Relative Ks p−value : 0.000107923
Relative ecdf deviation area : 0.0522374
Relative ecdf area correlation : −0.20844
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.07909e−06
Projection test lower tail : FALSE
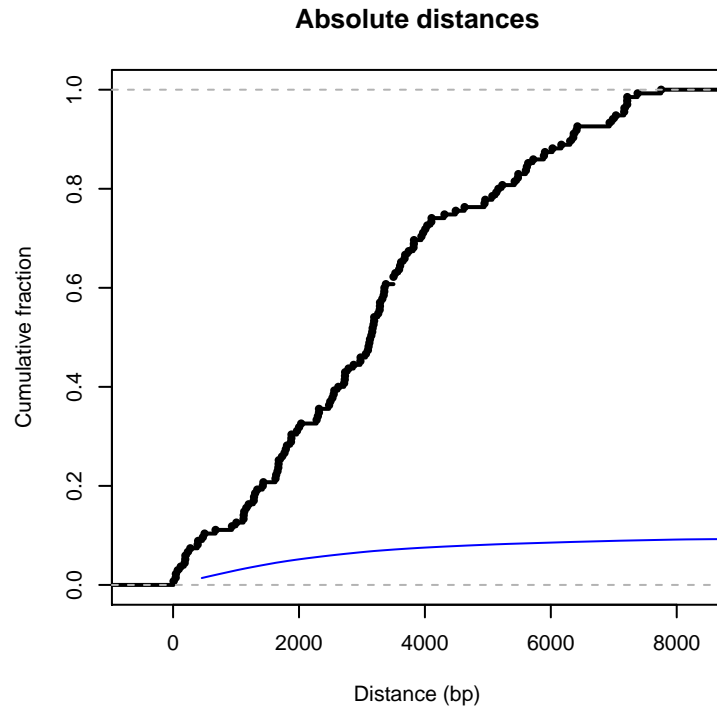Projection test observed to expected ratio : 4.30412

Absolute distances
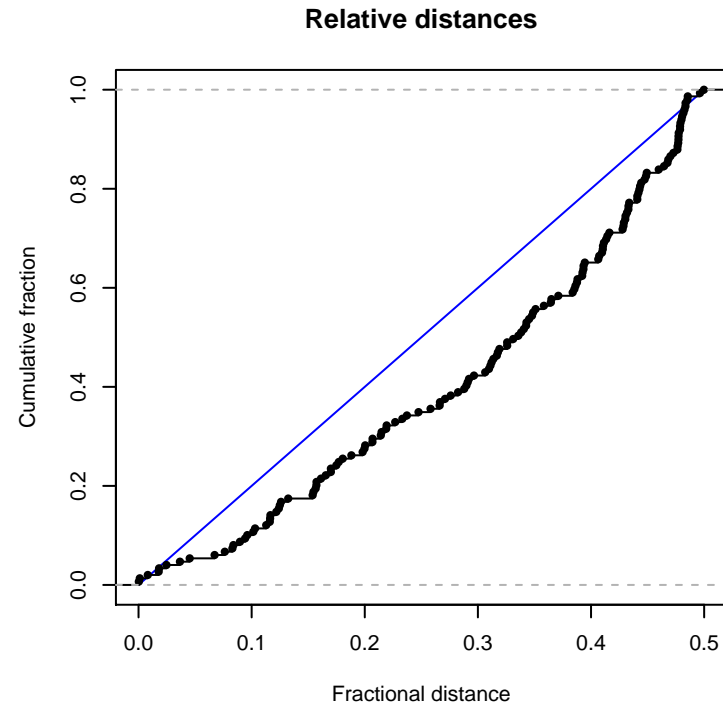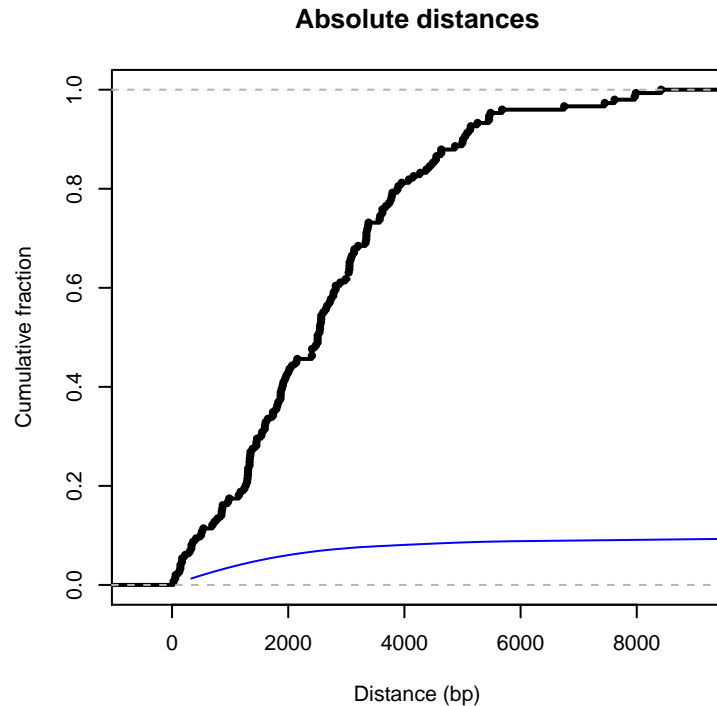
Relative distances

pcontig_086

Query population : 149
Reference population : 60
Relative Ks p−value : 4.20073e−05
Relative ecdf deviation area : 0.0563721
Relative ecdf area correlation : −0.223701
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.39549e−07
Projection test lower tail : FALSE
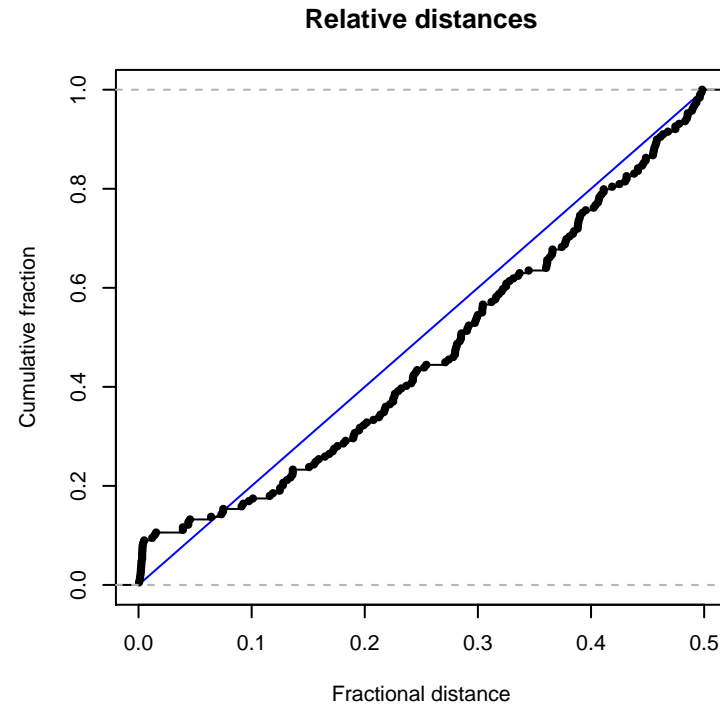Projection test observed to expected ratio : 4.46882

Absolute distances

Relative distances

pcontig_087

Query population : 189
Reference population : 44
Relative Ks p−value : 0.0407236
Relative ecdf deviation area : 0.0261776
Relative ecdf area correlation : −0.08218
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.26469e−08
Projection test lower tail : FALSE
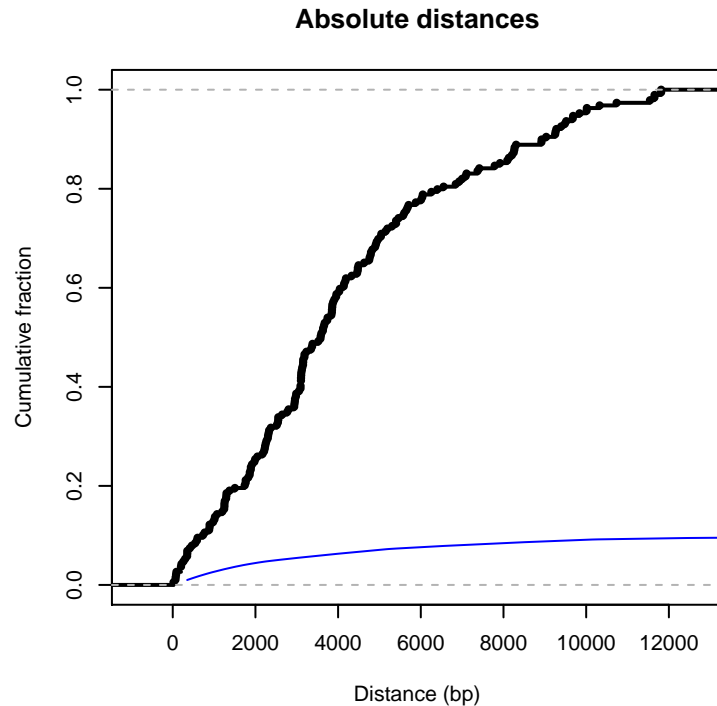Projection test observed to expected ratio : 4.4995

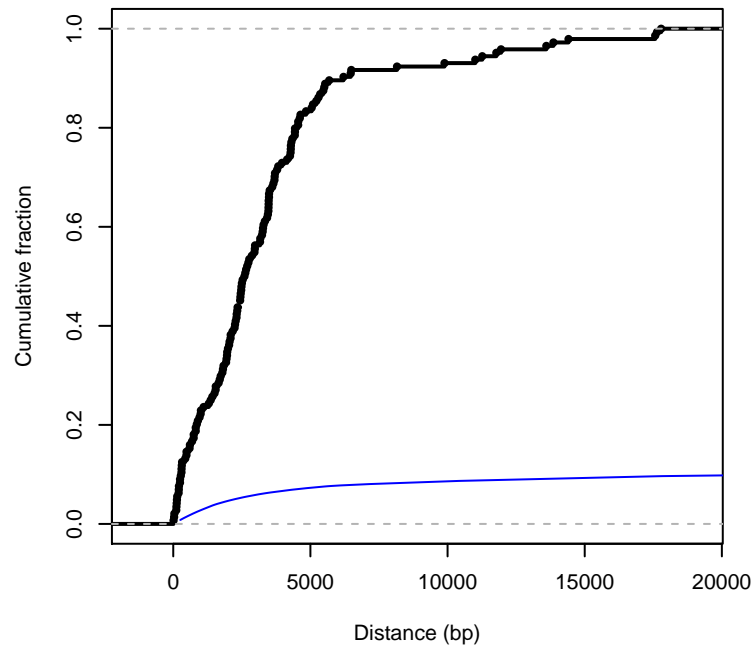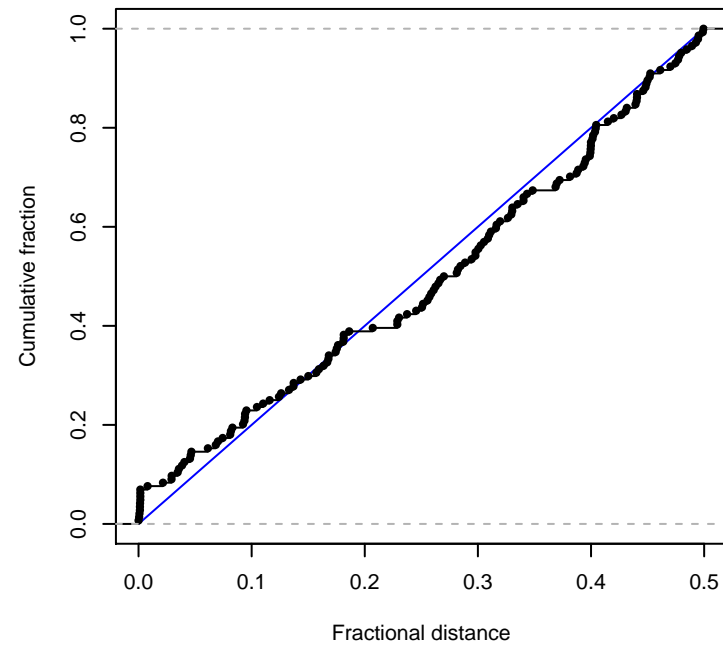**Absolute distances**

Relative distances

pcontig_088

Query population : 144
Reference population : 48
Relative Ks p−value : 0.423834
Relative ecdf deviation area : 0.0153494
Relative ecdf area correlation : −0.0293892
Relative ecdf deviation area p−value : 0.31
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.11022e−16
Projection test lower tail : FALSE
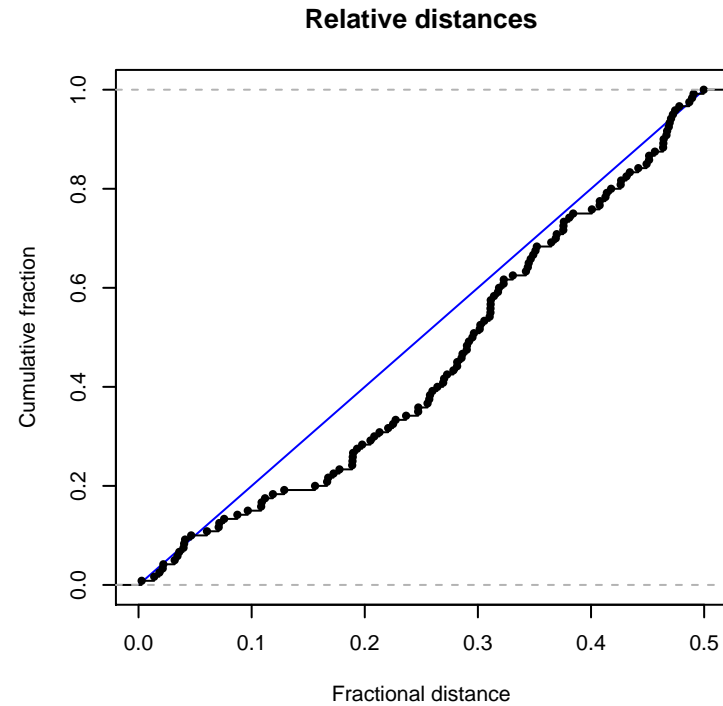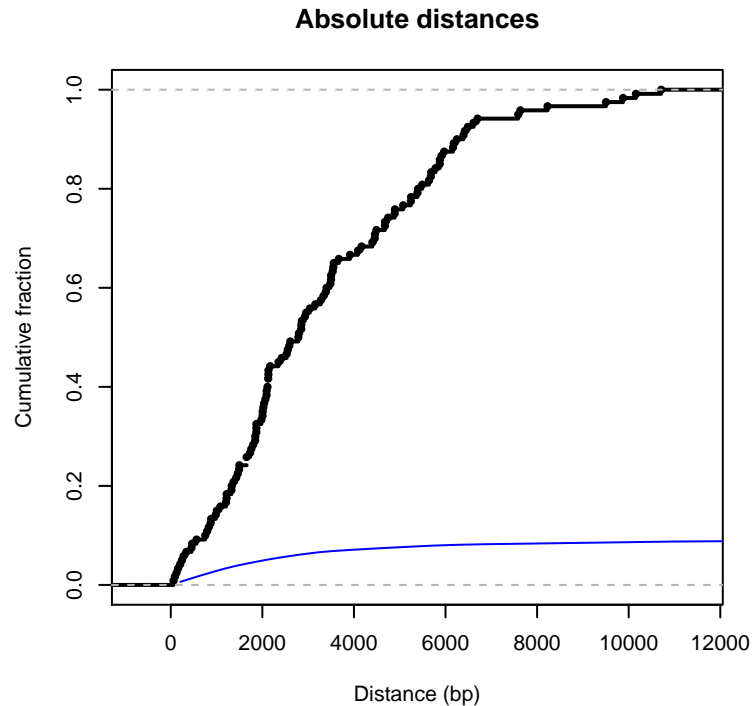Projection test observed to expected ratio : 8.0825

Absolute distances

Relative distances

pcontig_089

Query population : 120
Reference population : 46
Relative Ks p−value : 0.00743323
Relative ecdf deviation area : 0.0315753
Relative ecdf area correlation : −0.125439
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.12426e−10
Projection test lower tail : FALSE
Projection test observed to expected ratio : 5.53485

pcontig_090

Absolute distances

Relative distances

Query population : 222
Reference population : 21
Relative Ks p−value : 0.0552148
Relative ecdf deviation area : 0.0223409
Relative ecdf area correlation : −0.0485033
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.85236e−06
Projection test lower tail : FALSE
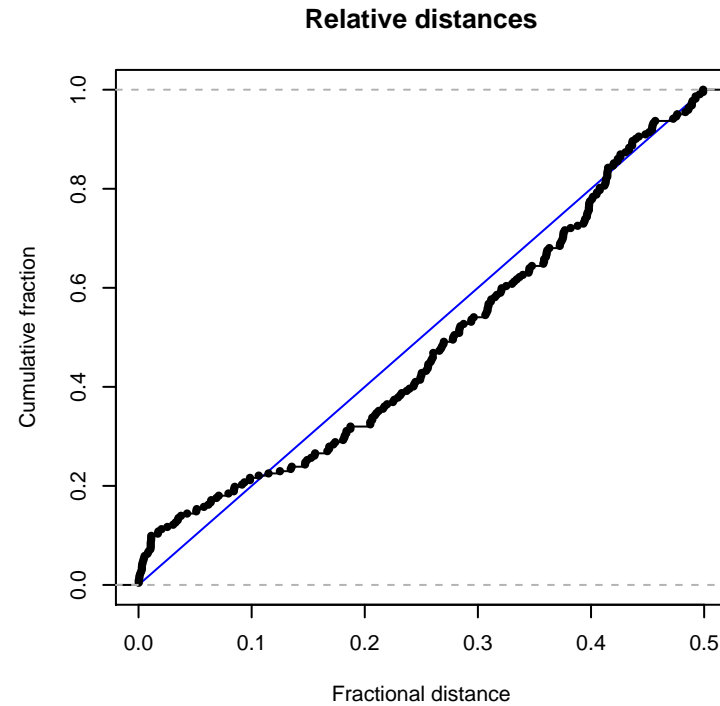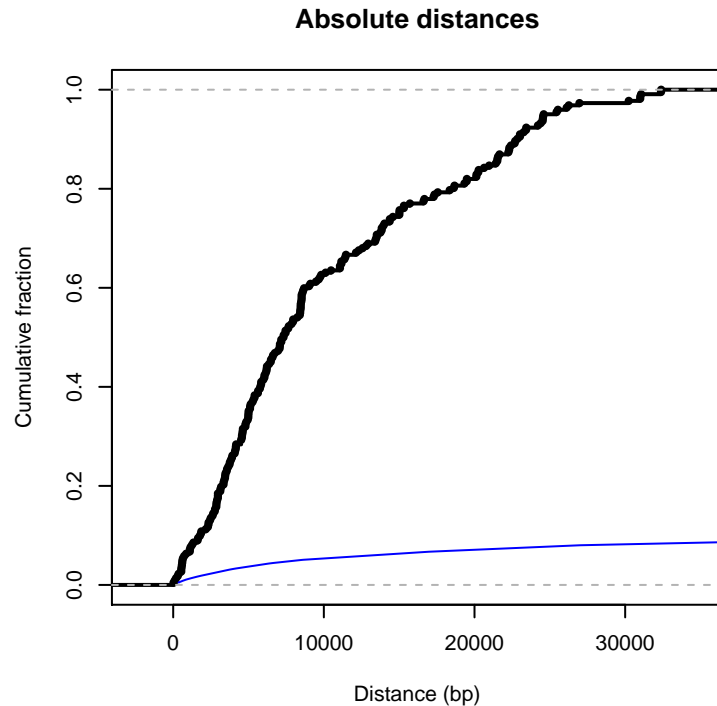Projection test observed to expected ratio : 5.22869

pcontig_091

Query population : 129
Reference population : 39
Relative Ks p−value : 0.0405932
Relative ecdf deviation area : 0.023299
Relative ecdf area correlation : −0.0910798
Relative ecdf deviation area p−value : 0.08
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.28109e−09
Projection test lower tail : FALSE
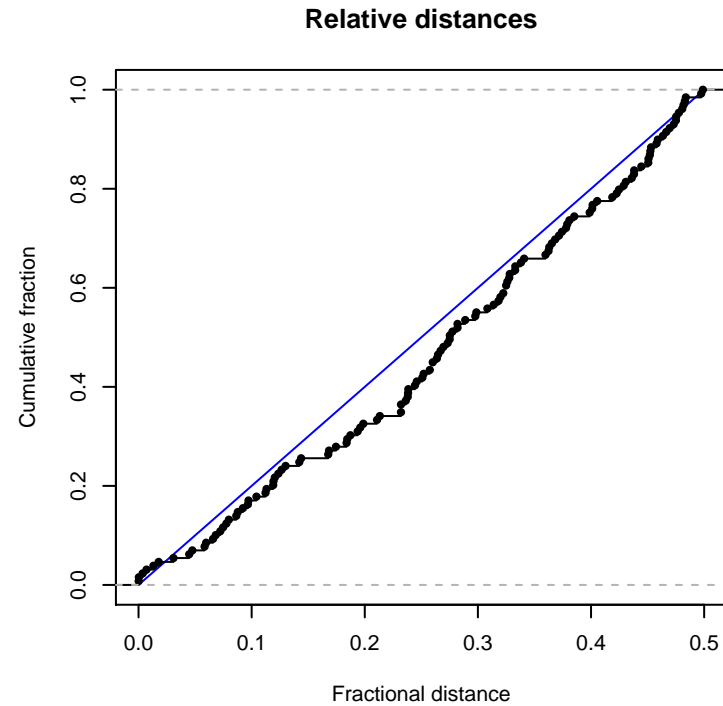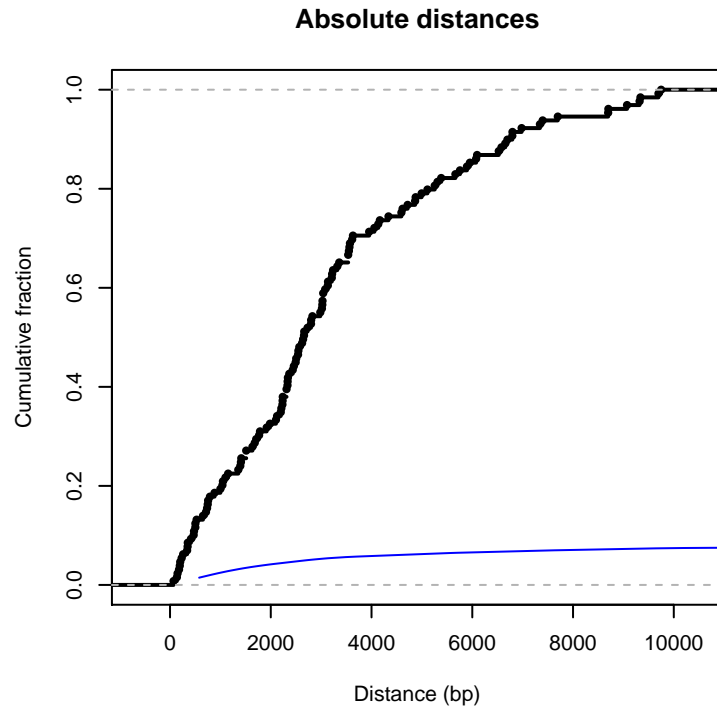Projection test observed to expected ratio : 5.51181
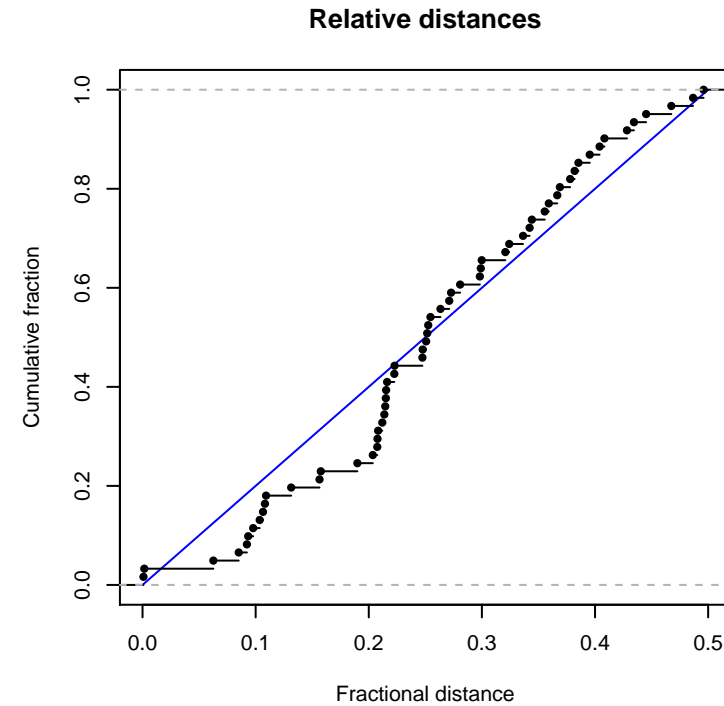
Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances

Relative distances

pcontig_092

Query population : 61
Reference population : 35
Relative Ks p−value : 0.0747666
Relative ecdf deviation area : 0.0283917
Relative ecdf area correlation : −0.0343603
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 : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.403387
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0.723685

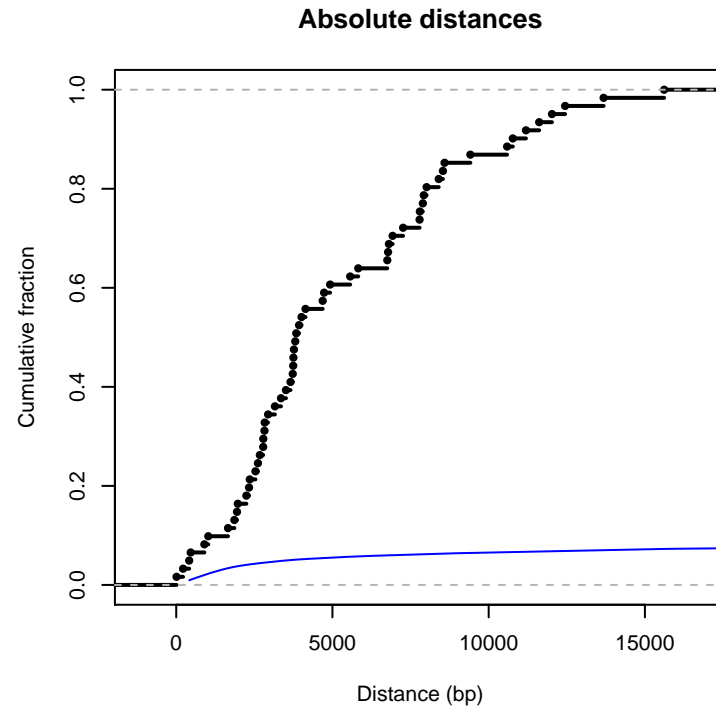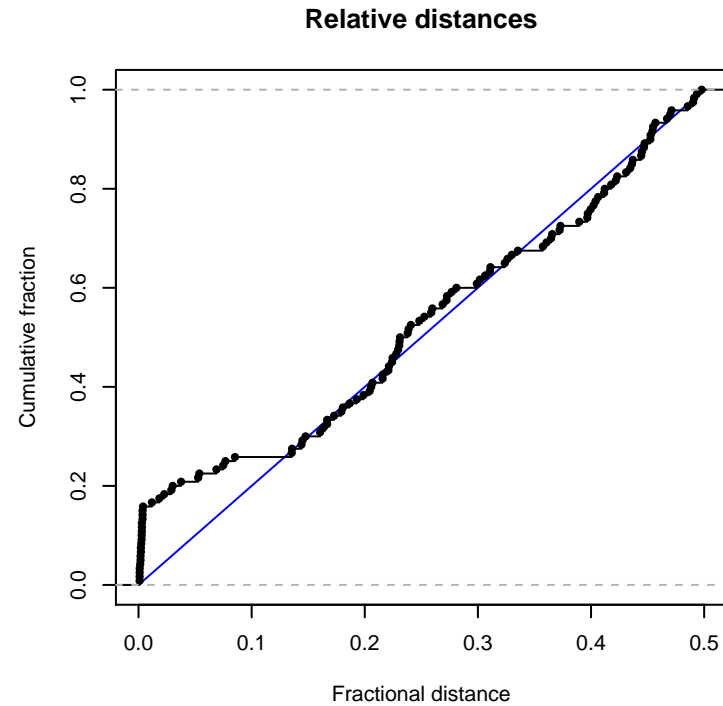**Absolute distances**

Relative distances

pcontig_095

Query population : 120
Reference population : 37
Relative Ks p−value : 0.00881417
Relative ecdf deviation area : 0.0187536
Relative ecdf area correlation : 0.0379672
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 : 0.00126328
Projection test lower tail : FALSE
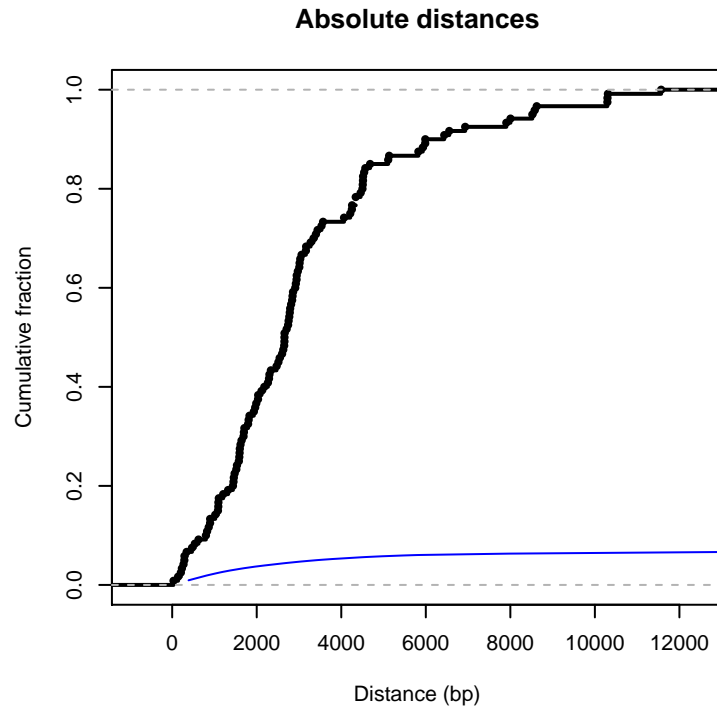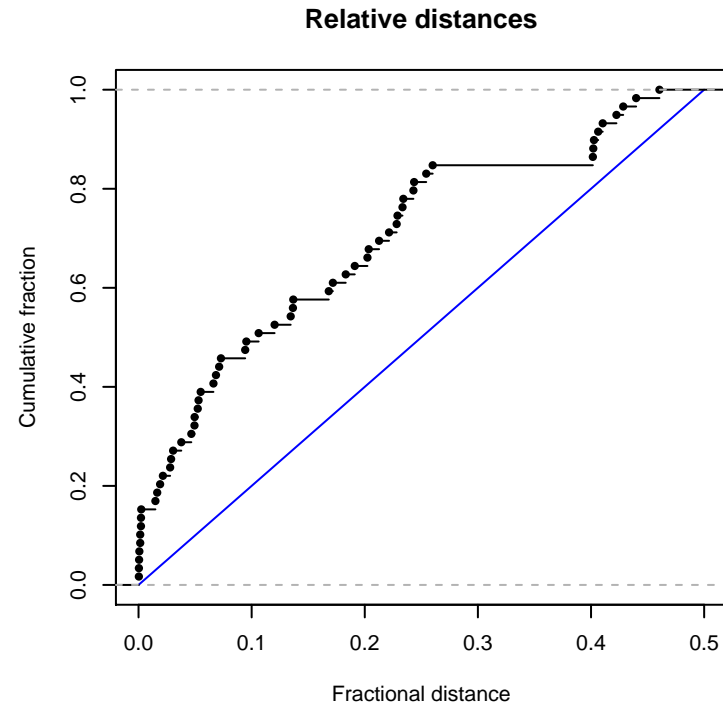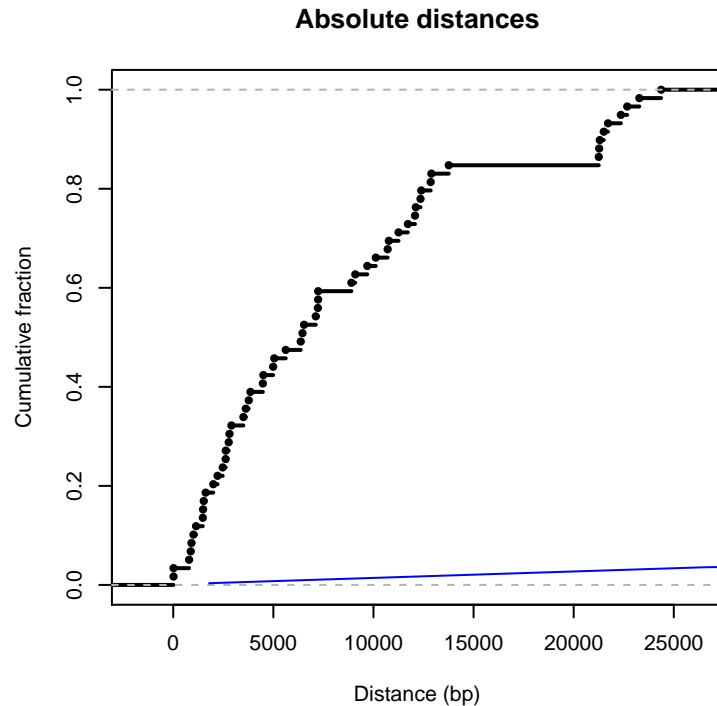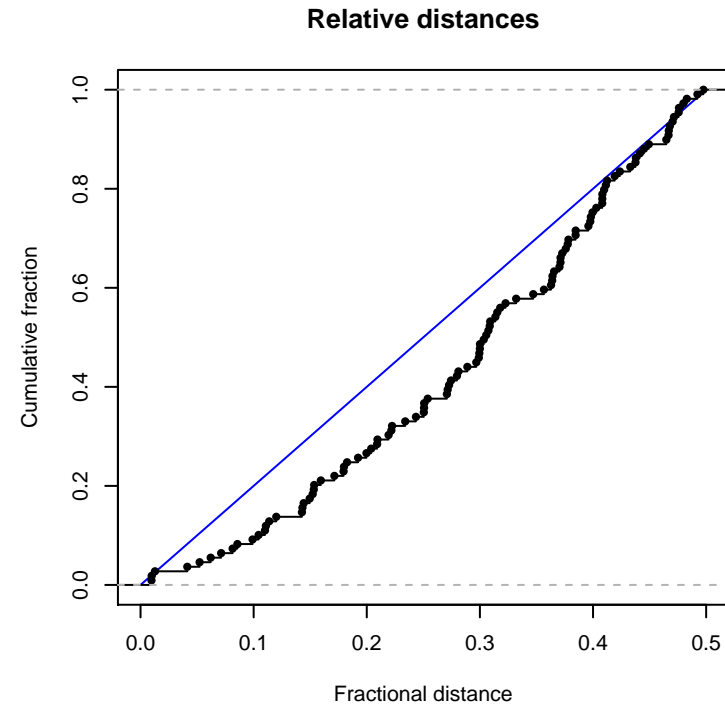Projection test observed to expected ratio : 3.35036

pcontig_096

Absolute distances

Relative distances

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

Cumulative fraction

Distance (bp)

Cumulative fraction

Fractional distance

Absolute distances

Relative distances

pcontig_097

Query population : 109
Reference population : 35
Relative Ks p−value : 0.00511353
Relative ecdf deviation area : 0.0434869
Relative ecdf area correlation : −0.171583
Relative ecdf deviation 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 : 0.05091
Projection test lower tail : FALSE
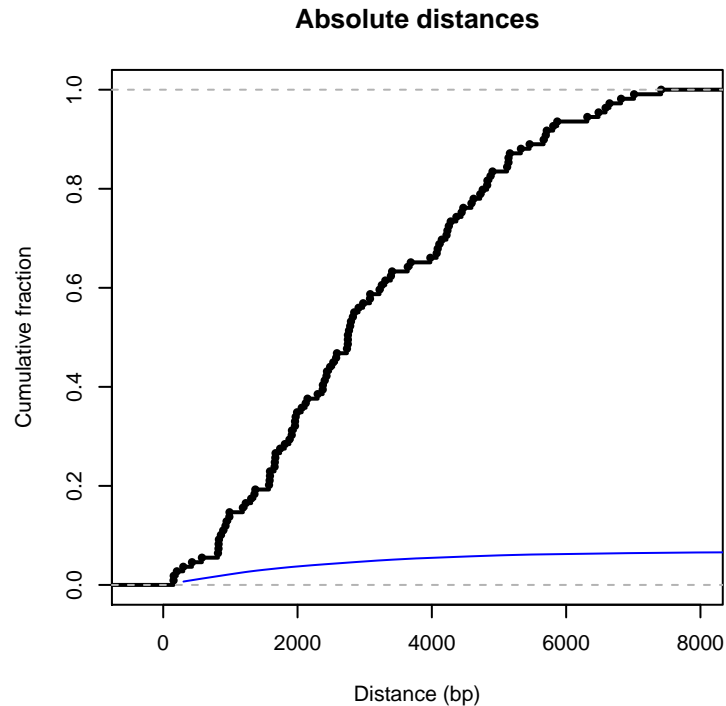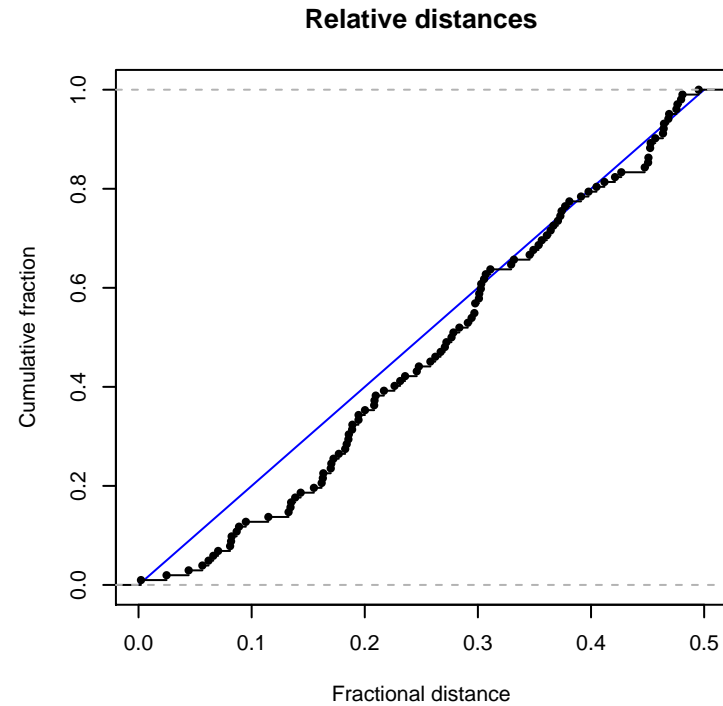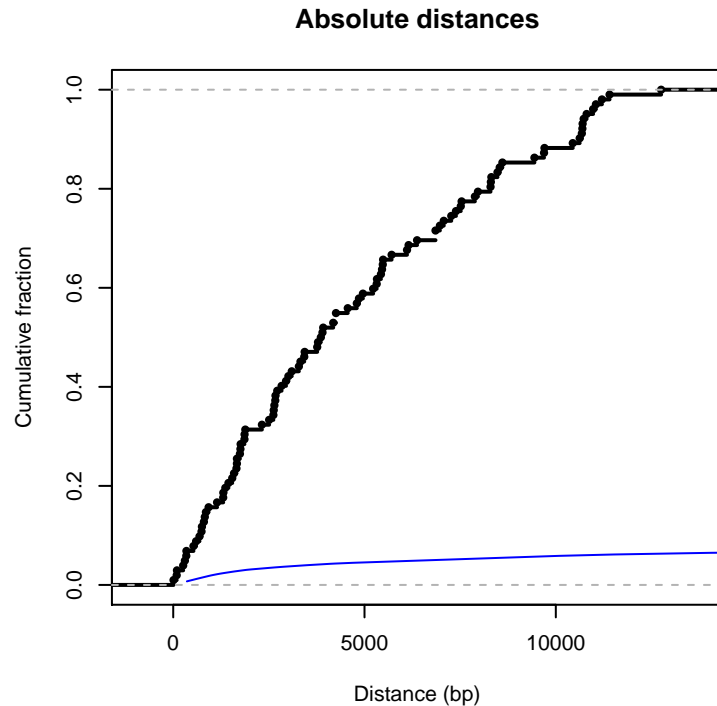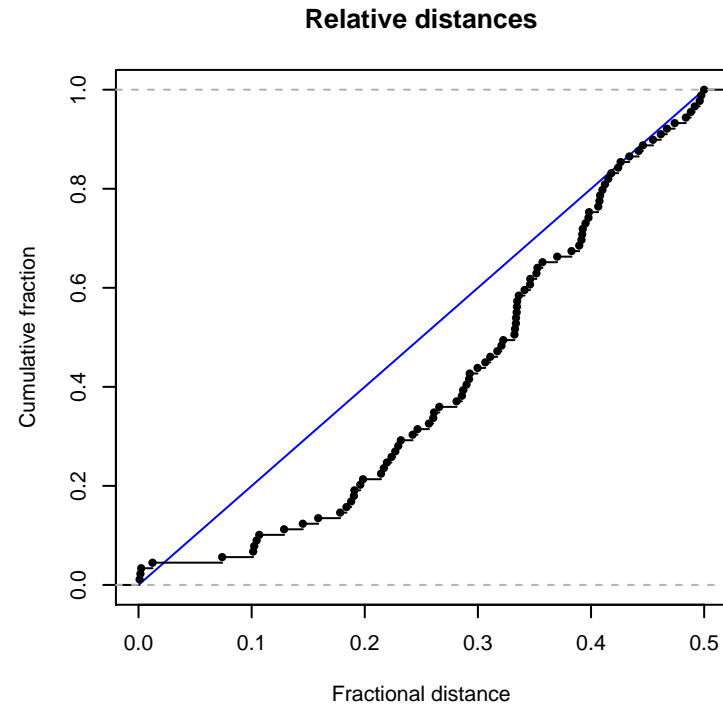Projection test observed to expected ratio : 2.00082

Absolute distances

Relative distances

pcontig_100

Query population : 102
Reference population : 31
Relative Ks p−value : 0.0708416
Relative ecdf deviation area : 0.0243496
Relative ecdf area correlation : −0.0930968
Relative ecdf deviation area p−value : 0.12
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00609696
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.06634

pcontig_103

Query population : 89
Reference population : 25
Relative Ks p−value : 0.000253742
Relative ecdf deviation area : 0.0550279
Relative ecdf area correlation : −0.218366
Relative ecdf deviation 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 : 0.000176602
Projection test lower tail : FALSE
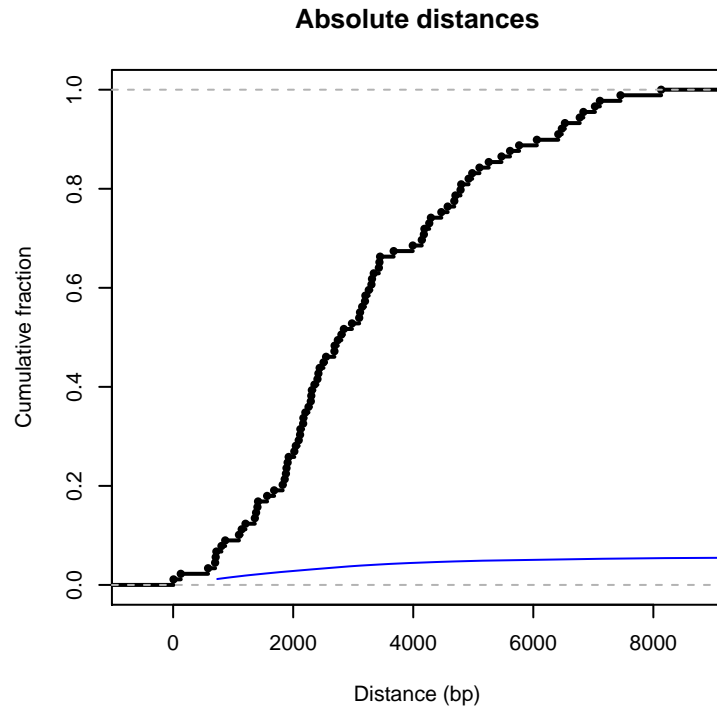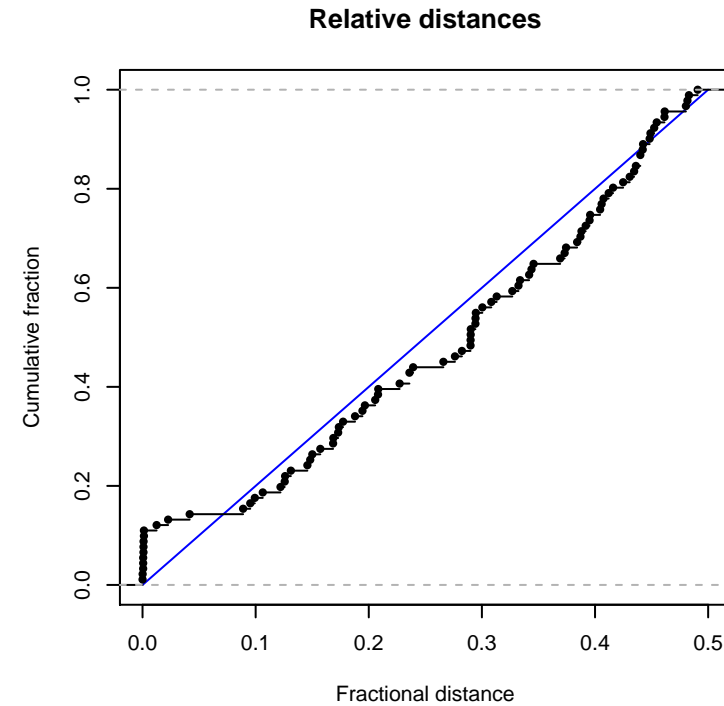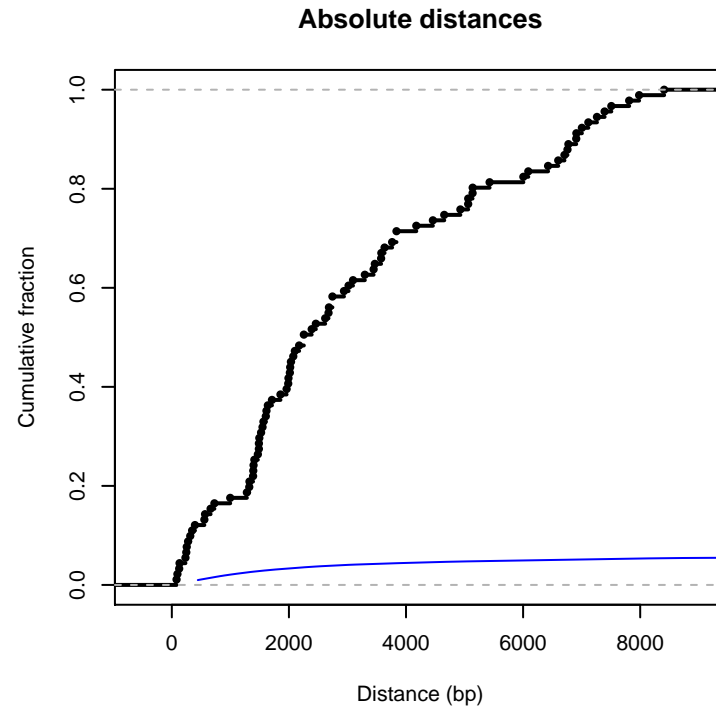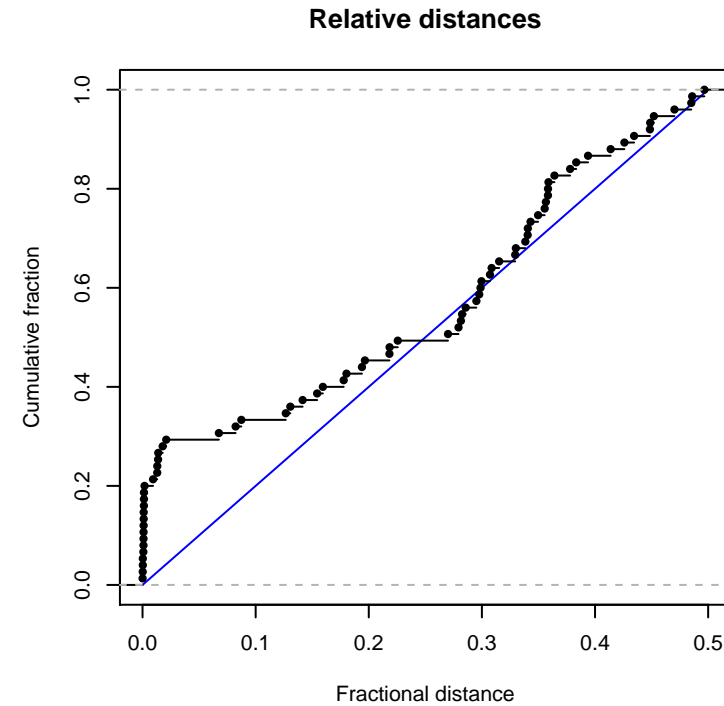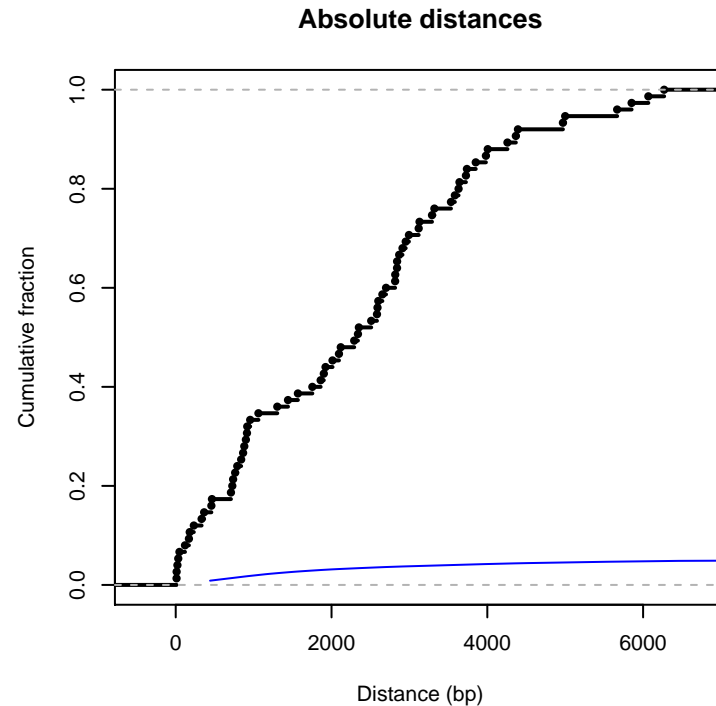Projection test observed to expected ratio : 5.15567

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances

Relative distances

pcontig_104

Query population : 91
Reference population : 34
Relative Ks p−value : 0.227352
Relative ecdf deviation area : 0.0237977
Relative ecdf area correlation : −0.0572332
Relative ecdf deviation area p−value : 0.14
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.31109e−09
Projection test lower tail : FALSE
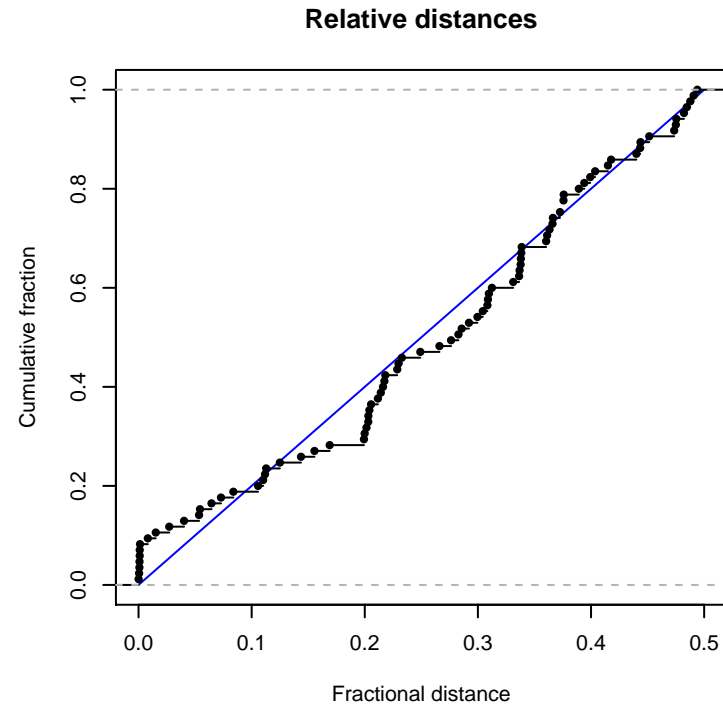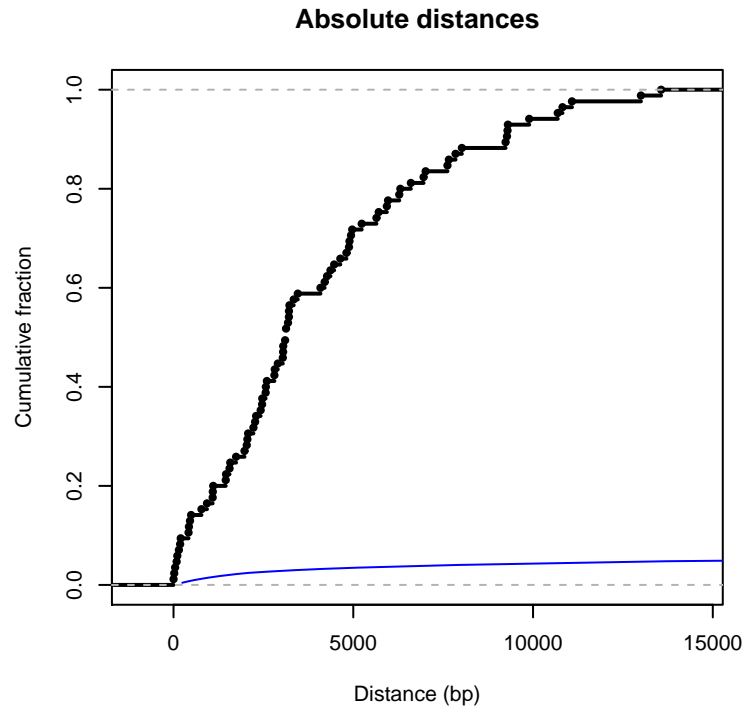Projection test observed to expected ratio : 7.82207

Absolute distances

Relative distances

pcontig_106

Query population : 75
Reference population : 30
Relative Ks p−value : 0.000115358
Relative ecdf deviation area : 0.0364583
Relative ecdf area correlation : 0.134071
Relative ecdf deviation area p−value : 0.0600000000000001
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.66533e−14
Projection test lower tail : FALSE
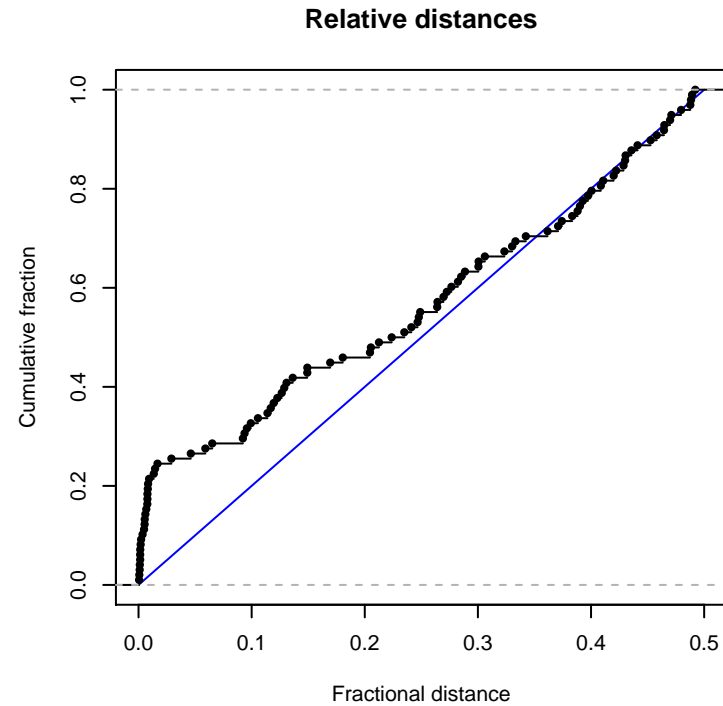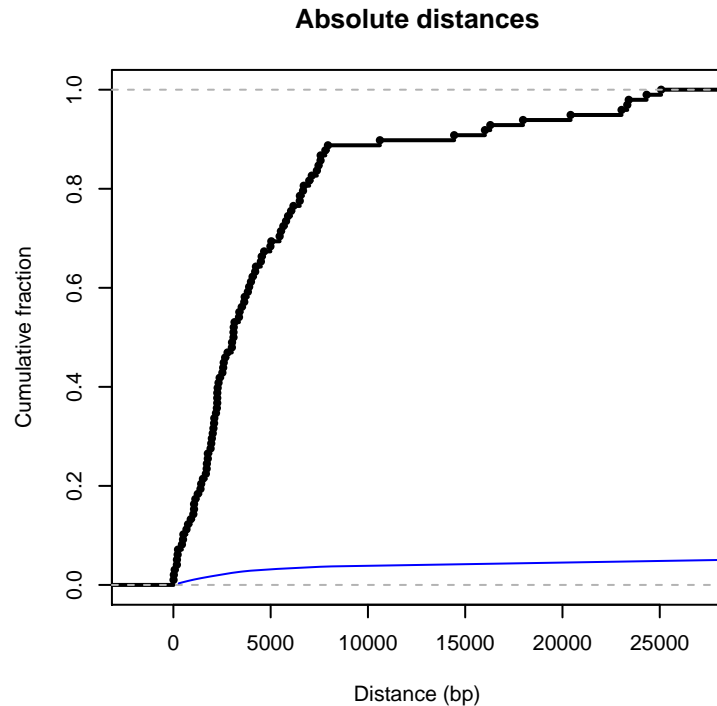Projection test observed to expected ratio : 12.1296

Absolute distances

Relative distances

pcontig_110

Query population : 85
Reference population : 28
Relative Ks p−value : 0.186198
Relative ecdf deviation area : 0.0162934
Relative ecdf area correlation : −0.0293668
Relative ecdf deviation area p−value : 0.51
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.5403e−08
Projection test lower tail : FALSE
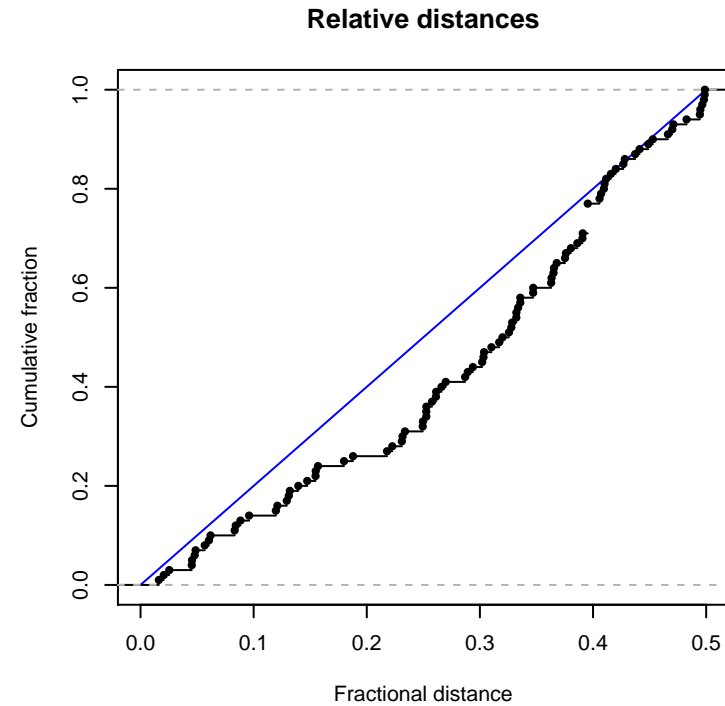Projection test observed to expected ratio : 9.07211

pcontig_112

Query population : 98
Reference population : 18
Relative Ks p−value : 0.000255001
Relative ecdf deviation area : 0.0338272
Relative ecdf area correlation : 0.123316
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.72024e−07
Projection test lower tail : FALSE
Projection test observed to expected ratio : 11.8254

Absolute distances

Relative distances

Absolute distances
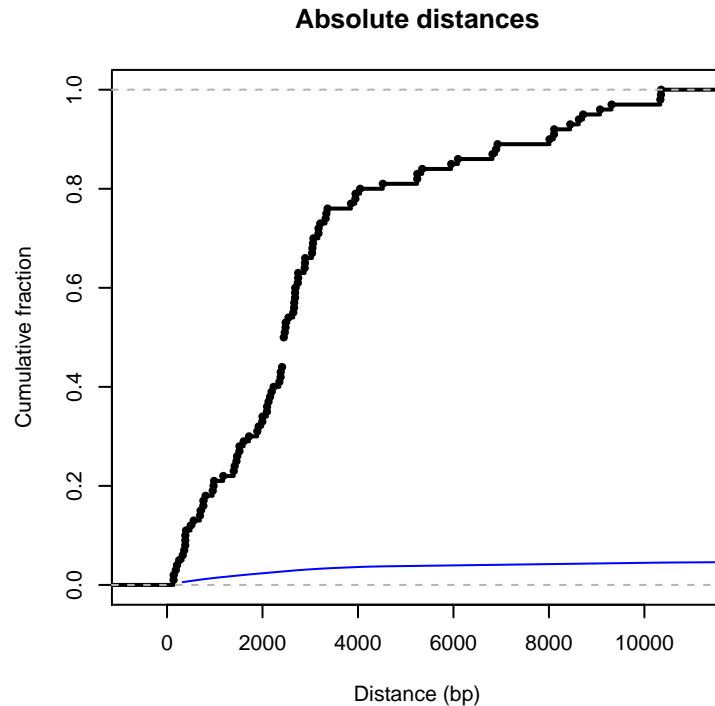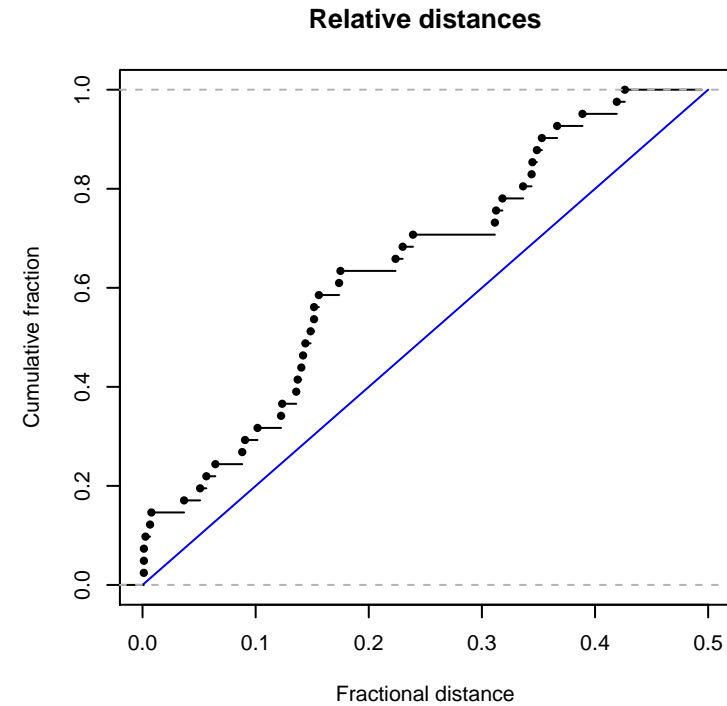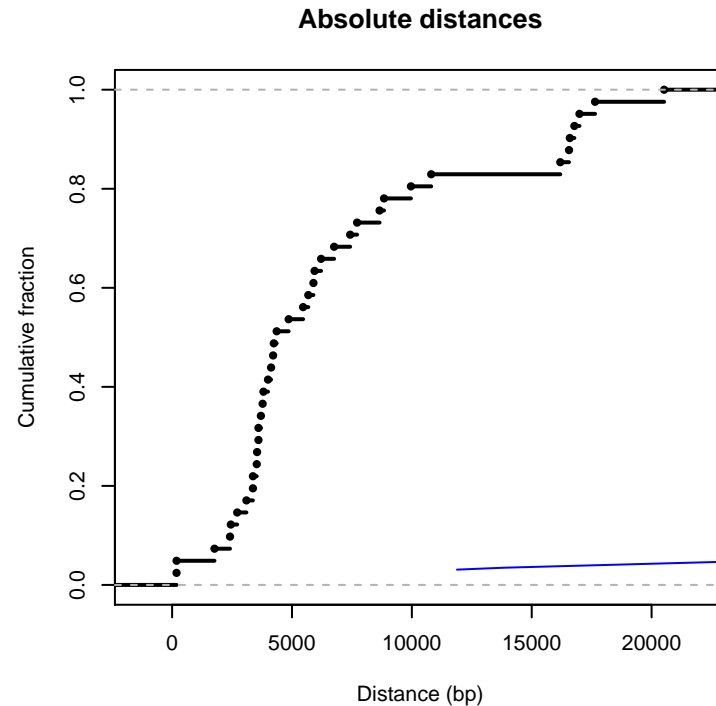
Relative distances

pcontig_115

Query population : 100
Reference population : 26
Relative Ks p−value : 0.00159113
Relative ecdf deviation area : 0.0419824
Relative ecdf area correlation : −0.167948
Relative ecdf deviation 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 : 9.0303e−09
Projection test lower tail : FALSE
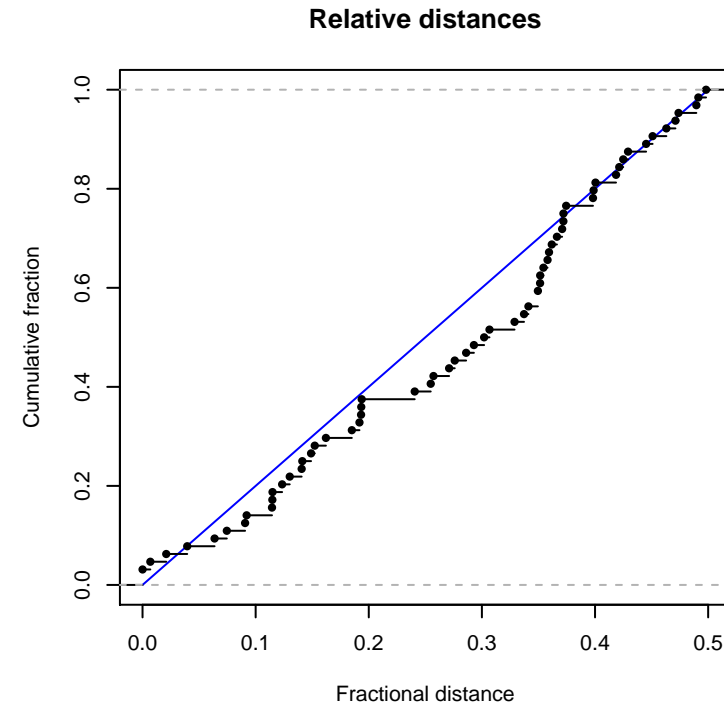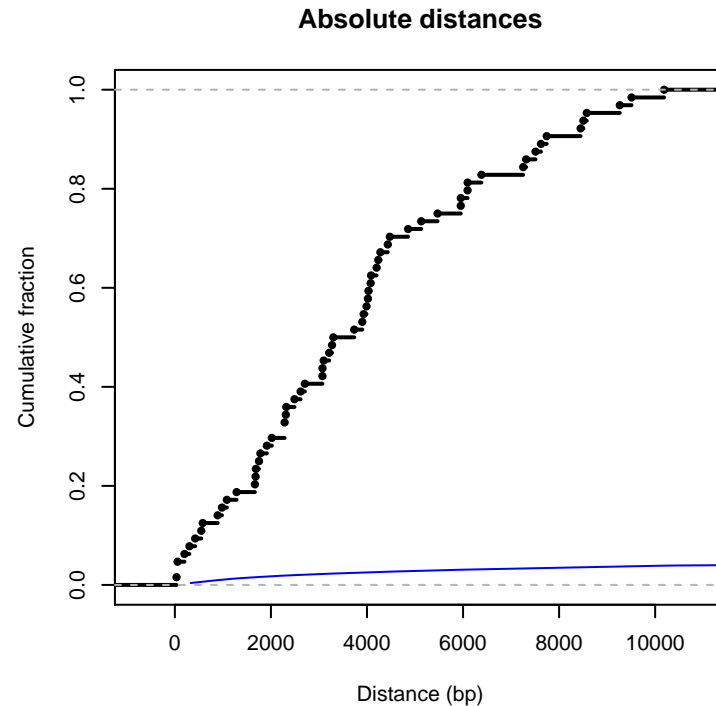Projection test observed to expected ratio : 11.3307

pcontig_118

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

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances
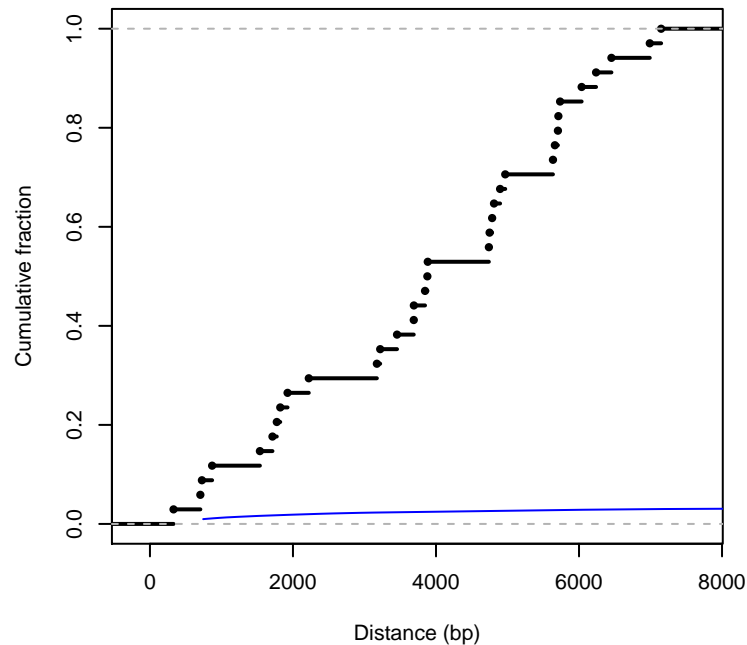
Relative distances

pcontig_120

Query population : 64
Reference population : 18
Relative Ks p−value : 0.131118
Relative ecdf deviation area : 0.0252681
Relative ecdf area correlation : −0.0967776
Relative ecdf deviation area p−value : 0.26
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.62975e−05
Projection test lower tail : FALSE
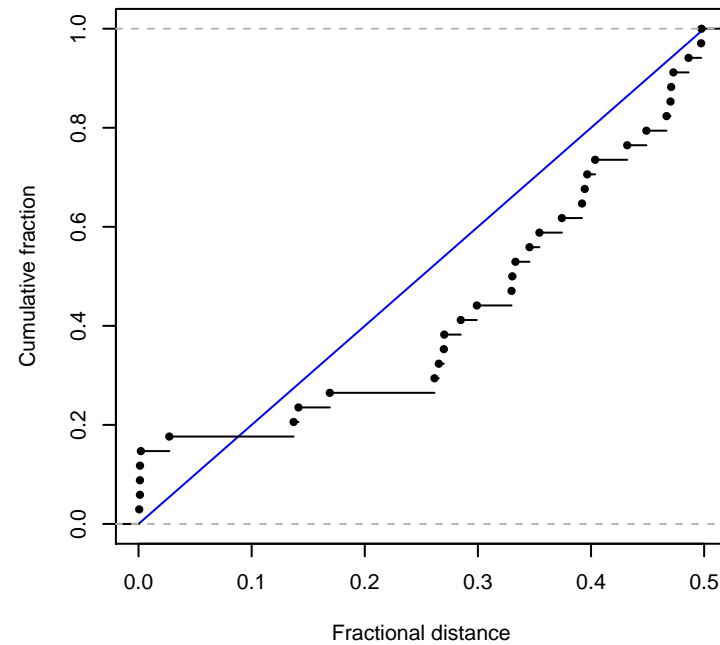Projection test observed to expected ratio : 10.3128

pcontig_129

Query population : 34
Reference population : 20
Relative Ks p−value : 0.0171585
Relative ecdf deviation area : 0.0583451
Relative ecdf area correlation : −0.179925
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.08
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.283757
Projection test lower tail : FALSE
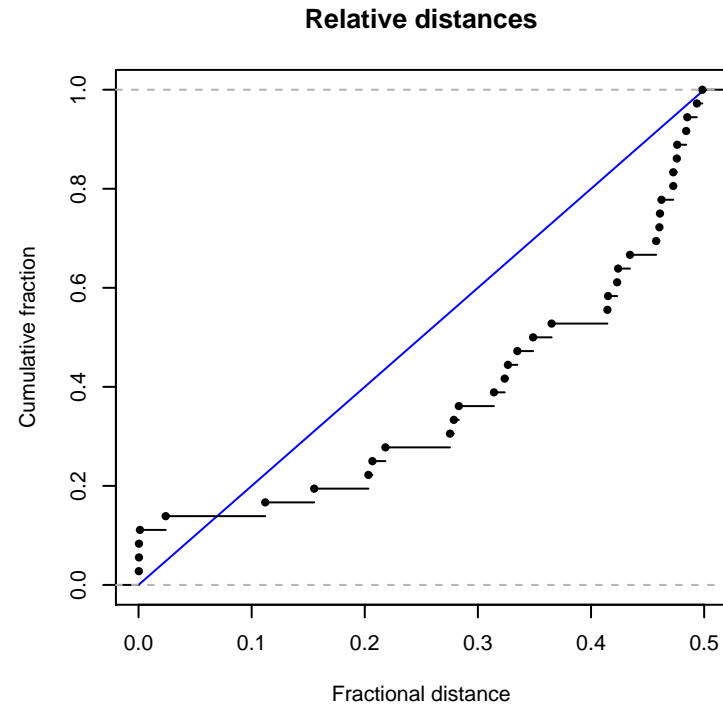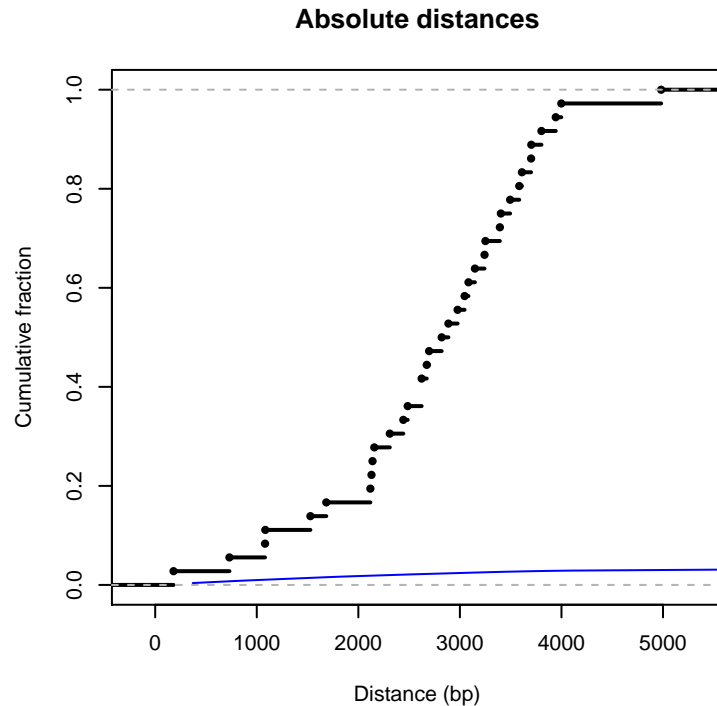Projection test observed to expected ratio : 0

Absolute distances

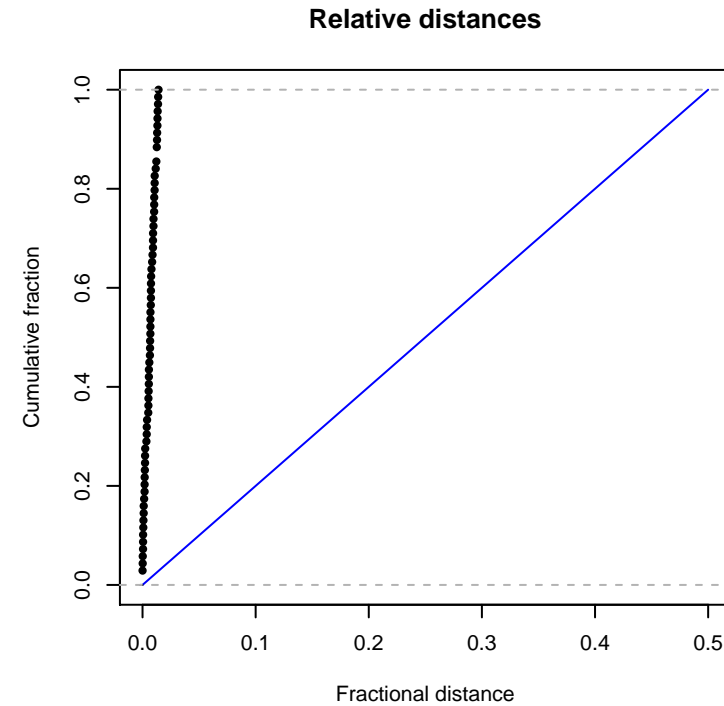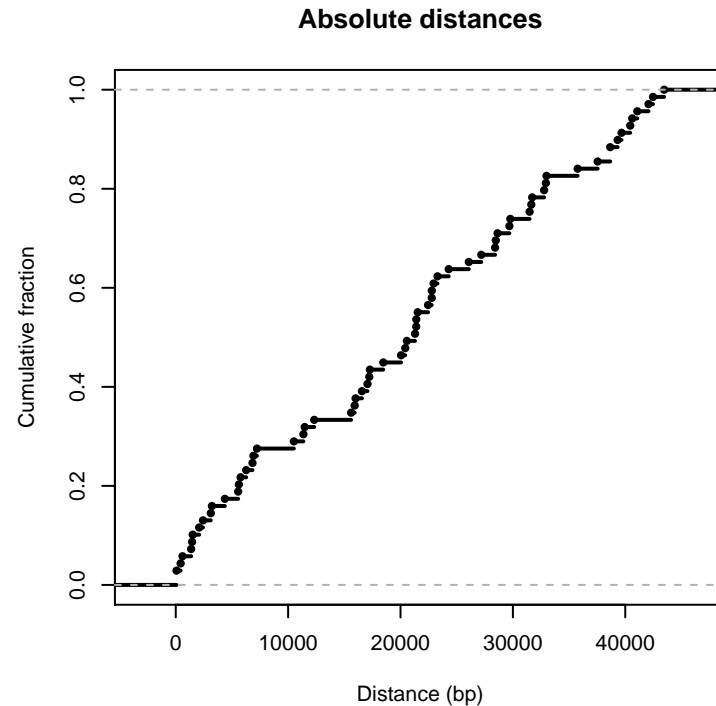**Relative distances**

Absolute distances

Relative distances

pcontig_130

Query population : 36
Reference population : 16
Relative Ks p−value : 0.00215878
Relative ecdf deviation area : 0.080268
Relative ecdf area correlation : −0.286995
Relative ecdf deviation 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 : 0.0399967
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.15847

pcontig_134

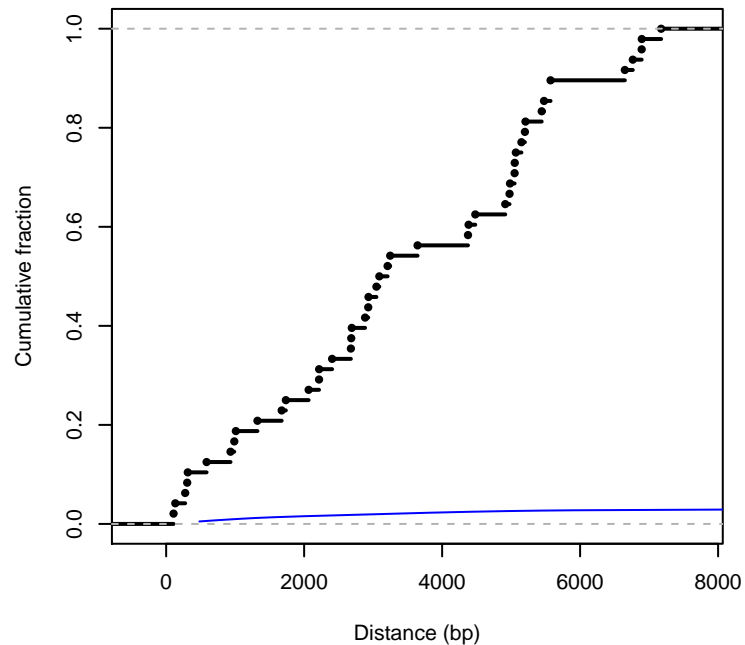**Absolute distances**

Relative distances

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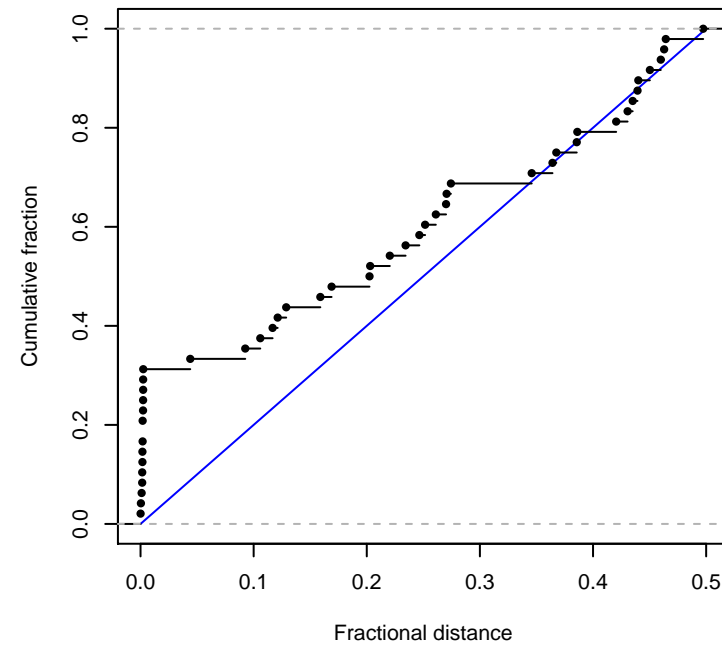Projection test observed to expected ratio : 331.111

Absolute distances

Relative distances

pcontig_138

Query population : 48
Reference population : 16
Relative Ks p−value : 0.000156102
Relative ecdf deviation area : 0.0504604
Relative ecdf area correlation : 0.187895
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 : 0.07
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000252006
Projection test lower tail : FALSE
Projection test observed to expected ratio : 9.85401

pcontig_139

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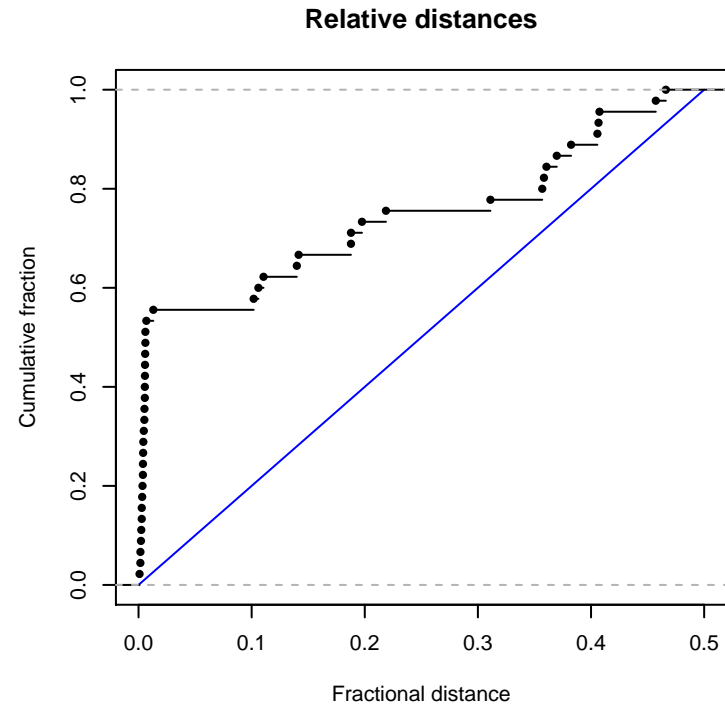Projection test observed to expected ratio : 4.72666

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances

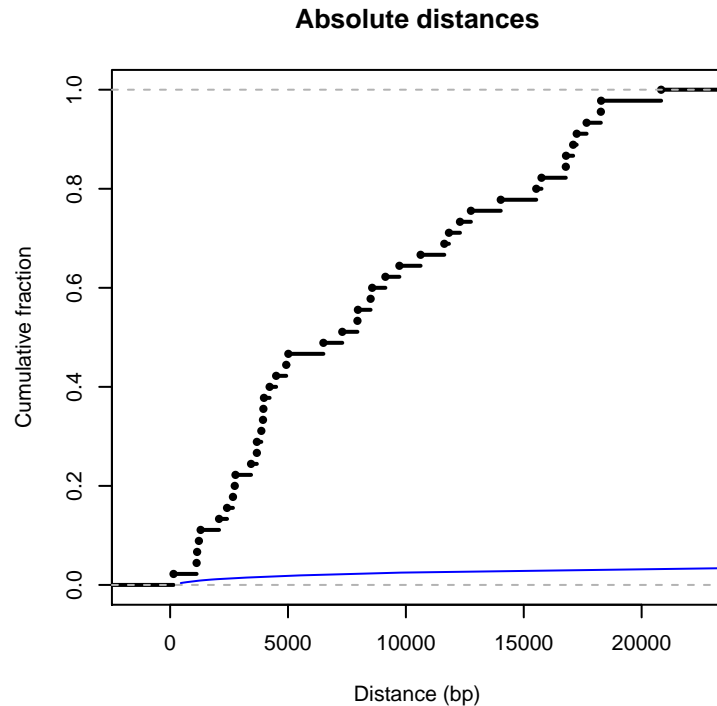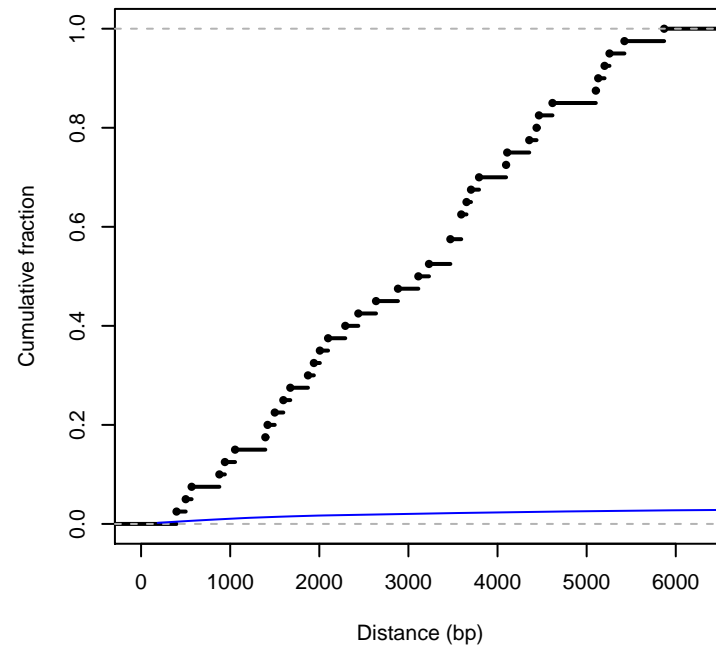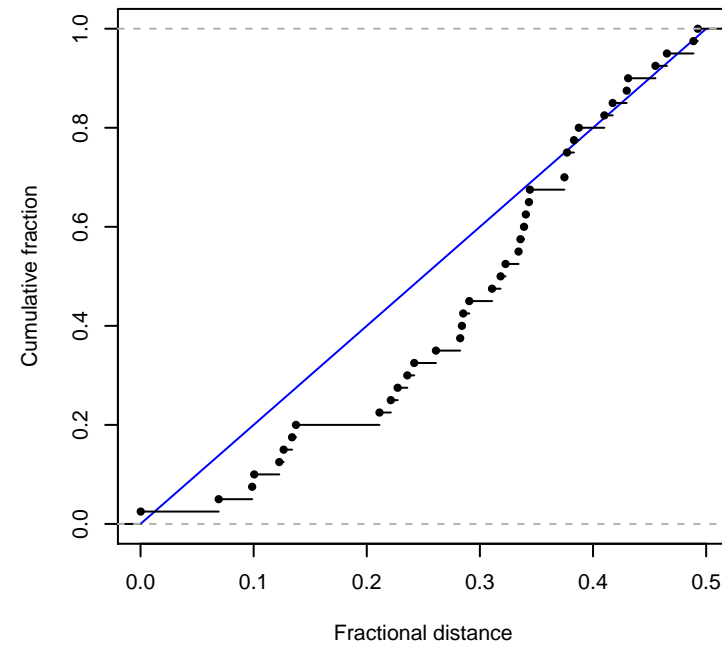**Relative distances**

pcontig_140

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

pcontig_146

Query population : 8
Reference population : 31
Relative Ks p−value : 0.585723
Relative ecdf deviation area : 0.0476673
Relative ecdf area correlation : 0.163544
Relative ecdf deviation area p−value : 0.6
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00554533
Projection test lower tail : FALSE
Projection test observed to expected ratio : 8.62818

Absolute distances

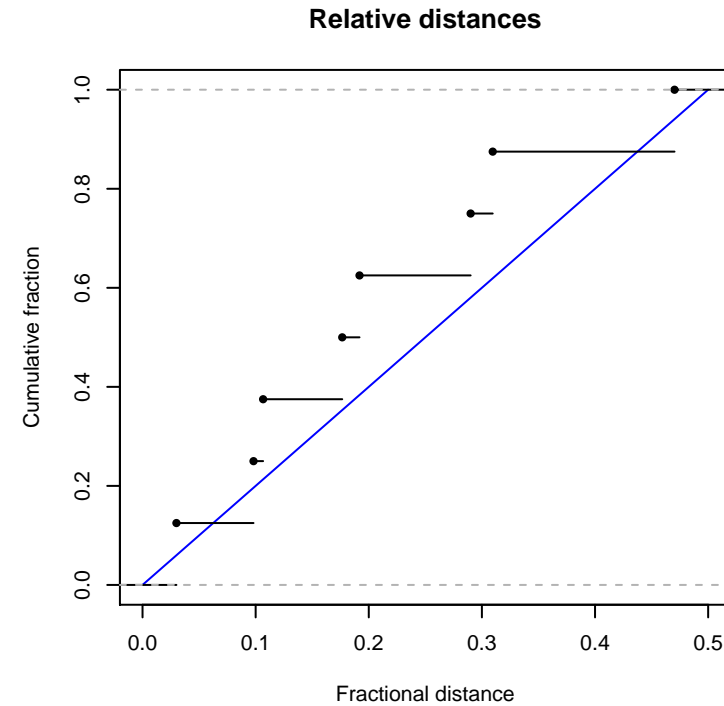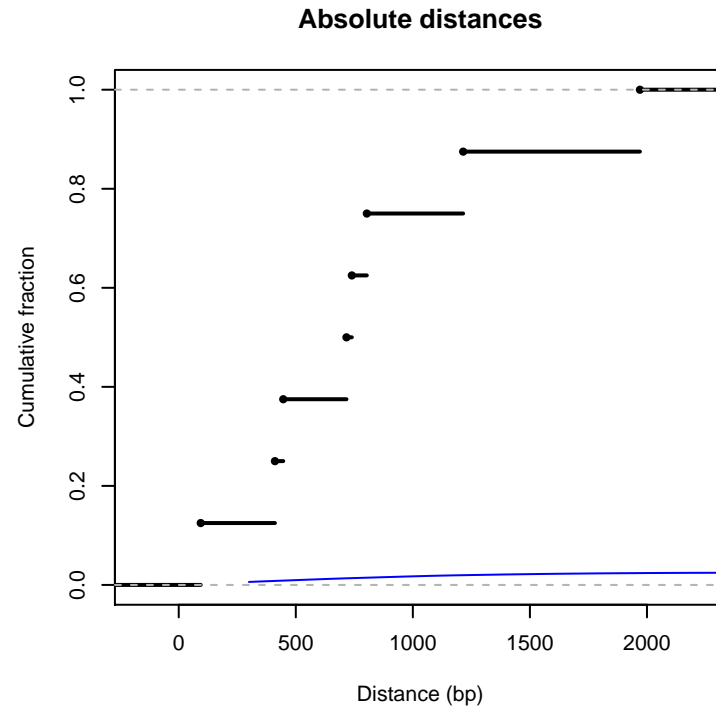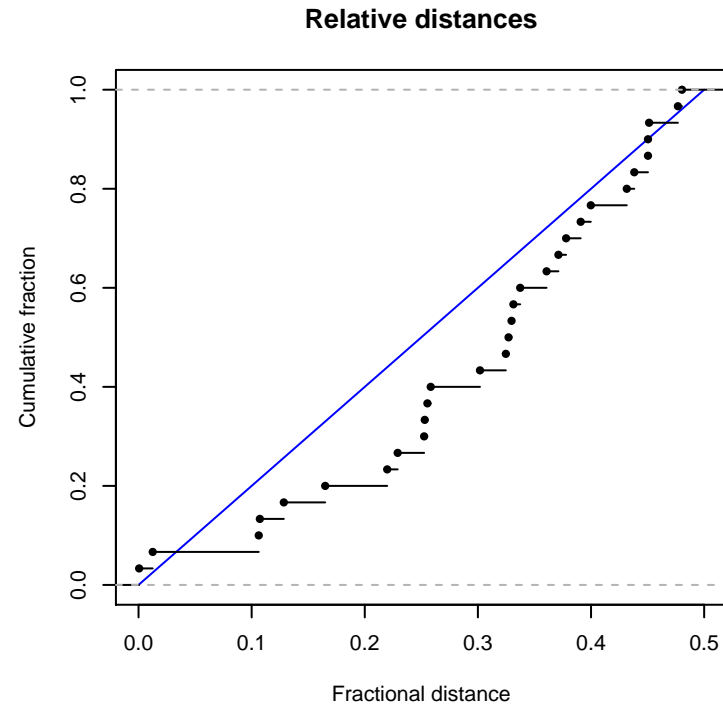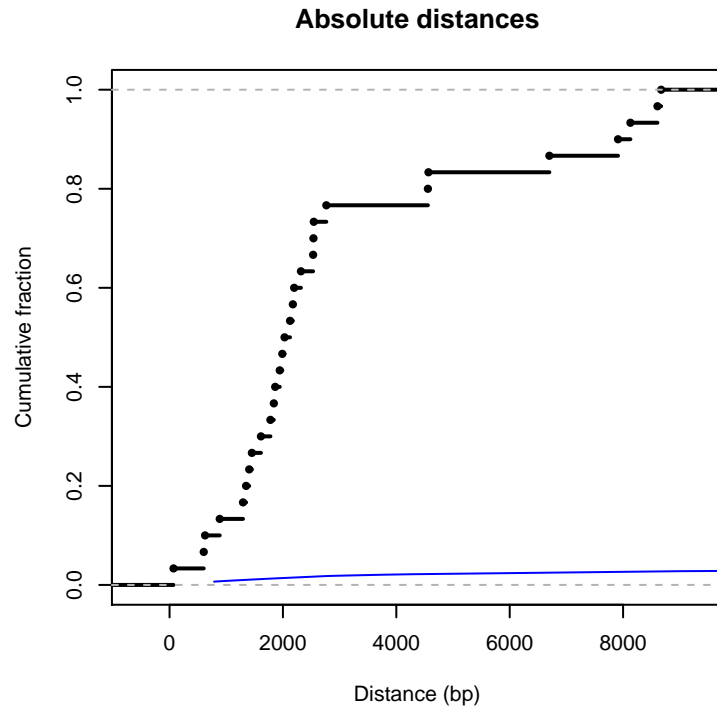**Relative distances**

Absolute distances
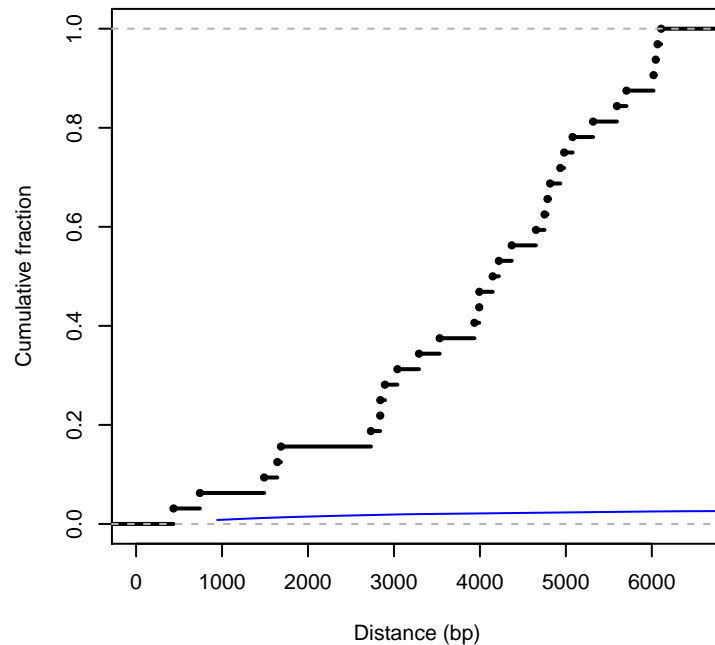
Relative distances

pcontig_147

Query population : 30
Reference population : 13
Relative Ks p−value : 0.0531798
Relative ecdf deviation area : 0.0530684
Relative ecdf area correlation : −0.202641
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.59487e−06
Projection test lower tail : FALSE
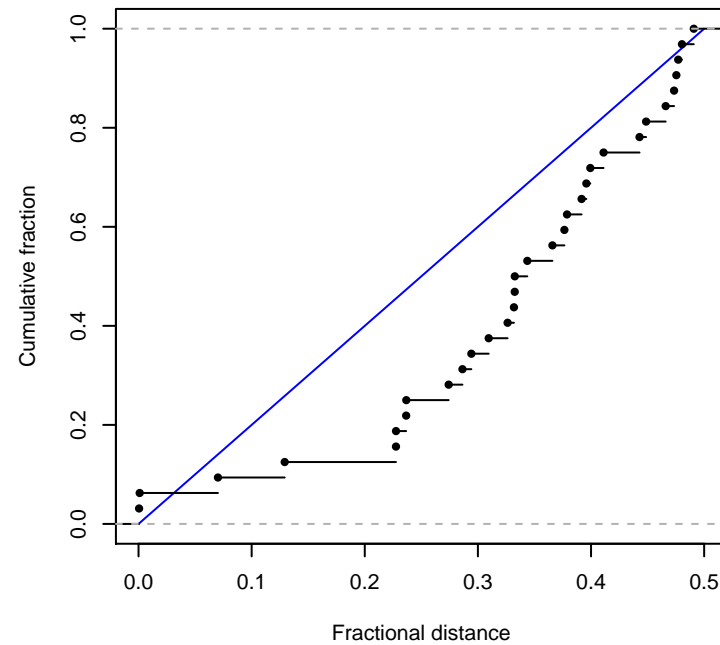Projection test observed to expected ratio : 14.5548

pcontig_148

Query population : 32
Reference population : 13
Relative Ks p−value : 0.00130932
Relative ecdf deviation area : 0.0780357
Relative ecdf area correlation : −0.304301
Relative ecdf deviation 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 : 0.038164
Projection test lower tail : FALSE
Projection test observed to expected ratio : 3.2375
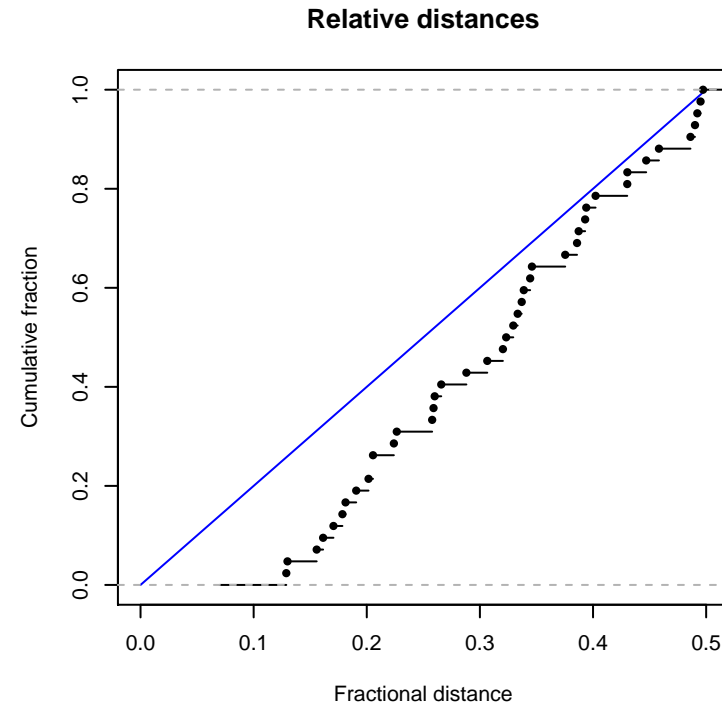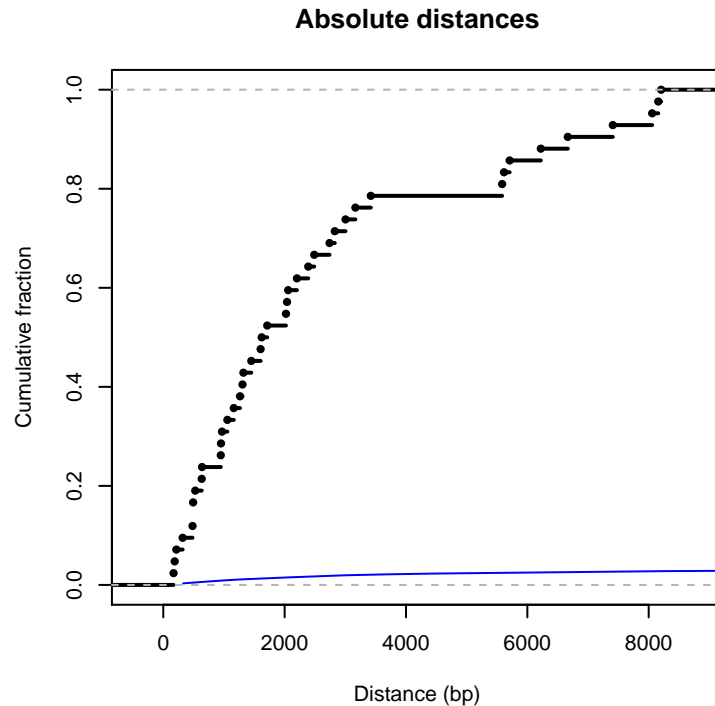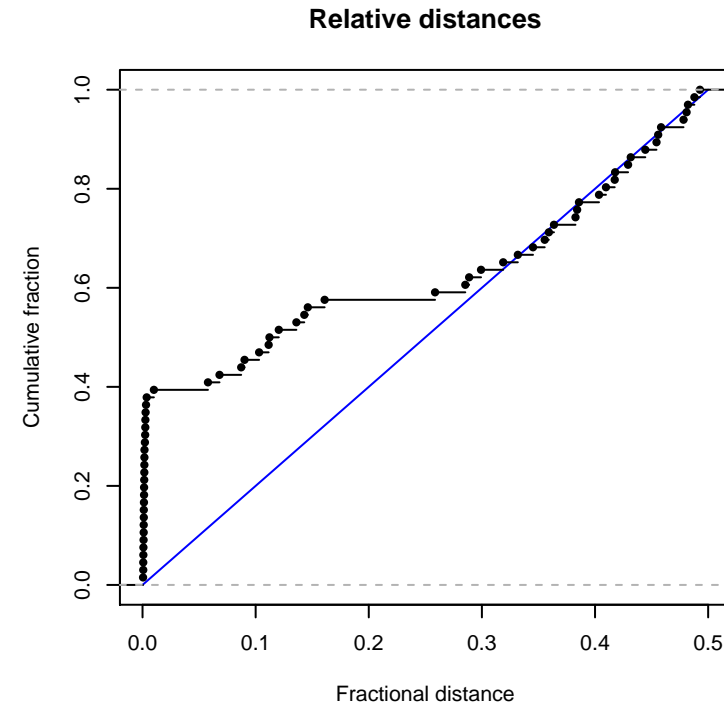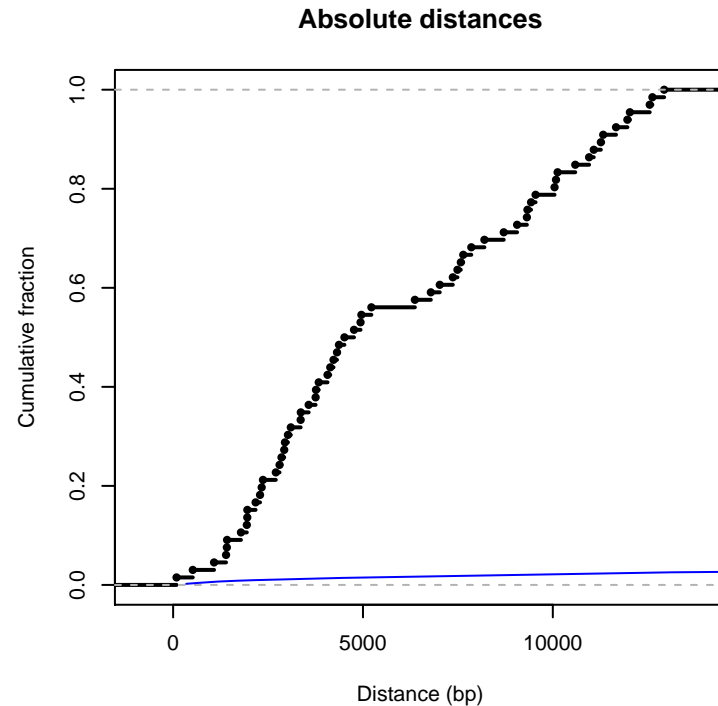
Absolute distances

Relative distances

pcontig_149

Query population : 42
Reference population : 15
Relative Ks p−value : 0.00454535
Relative ecdf deviation area : 0.0653293
Relative ecdf area correlation : −0.260408
Relative ecdf deviation 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 : 0.000116892
Projection test lower tail : FALSE
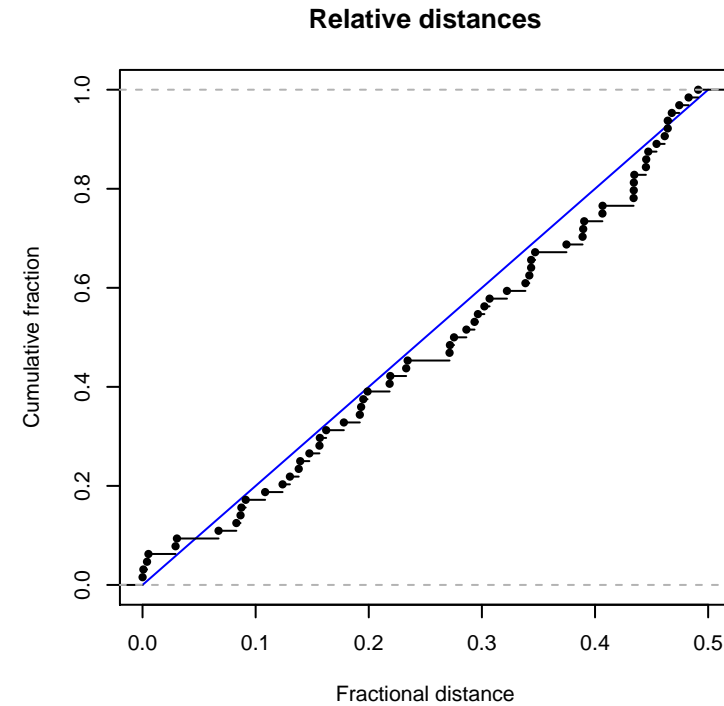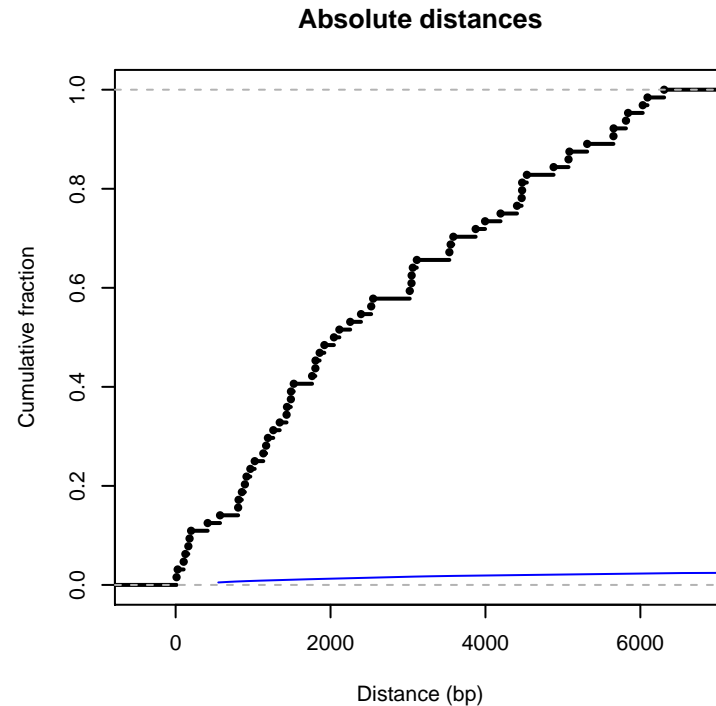Projection test observed to expected ratio : 12.0105

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_150

Query population : 66
Reference population : 10
Relative Ks p−value : 8.64004e−09
Relative ecdf deviation area : 0.0658589
Relative ecdf area correlation : 0.243103
Relative ecdf deviation 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 : 0.0171925
Projection test lower tail : FALSE
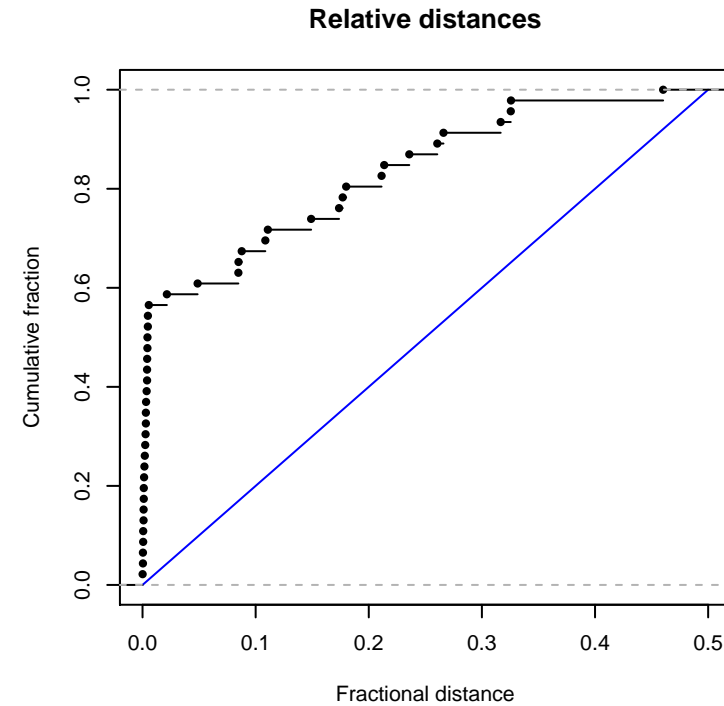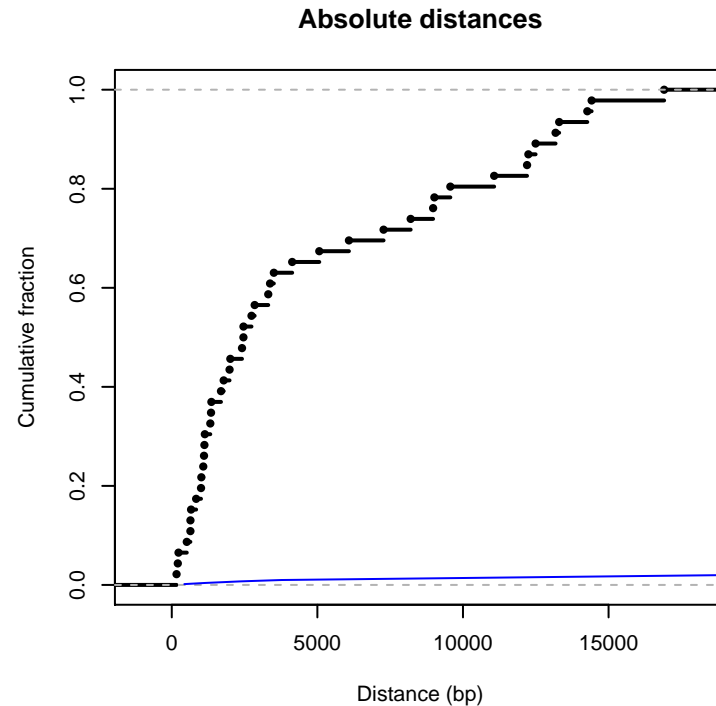Projection test observed to expected ratio : 5.02035

Absolute distances

Relative distances

pcontig_152

Query population : 64
Reference population : 14
Relative Ks p−value : 0.479973
Relative ecdf deviation area : 0.0200979
Relative ecdf area correlation : −0.071444
Relative ecdf deviation area p−value : 0.33
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.38827e−11
Projection test lower tail : FALSE
Projection test observed to expected ratio : 26.6632

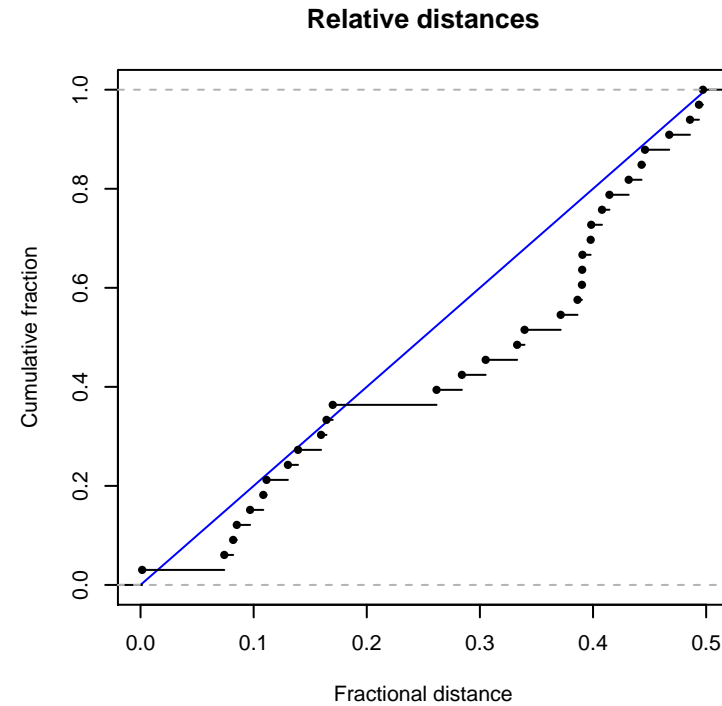**Absolute distances**

Relative distances

pcontig_154

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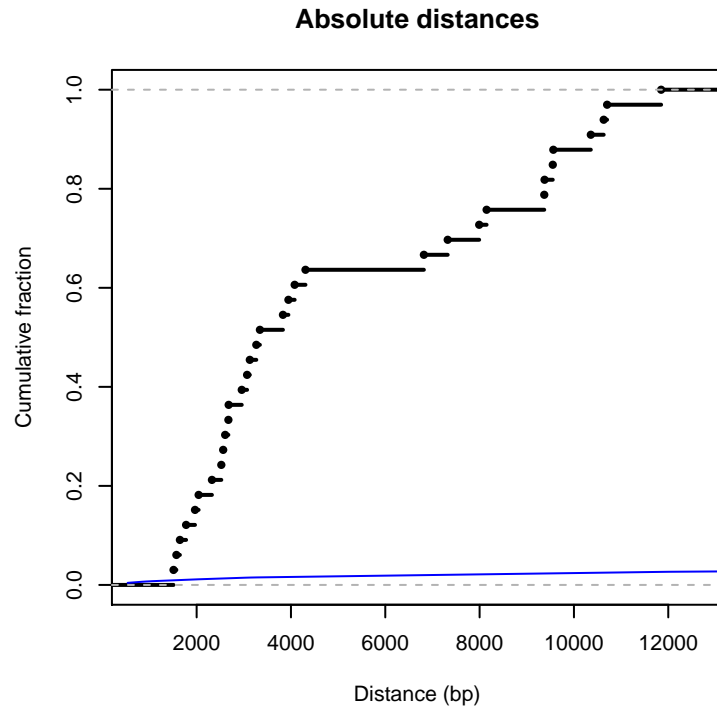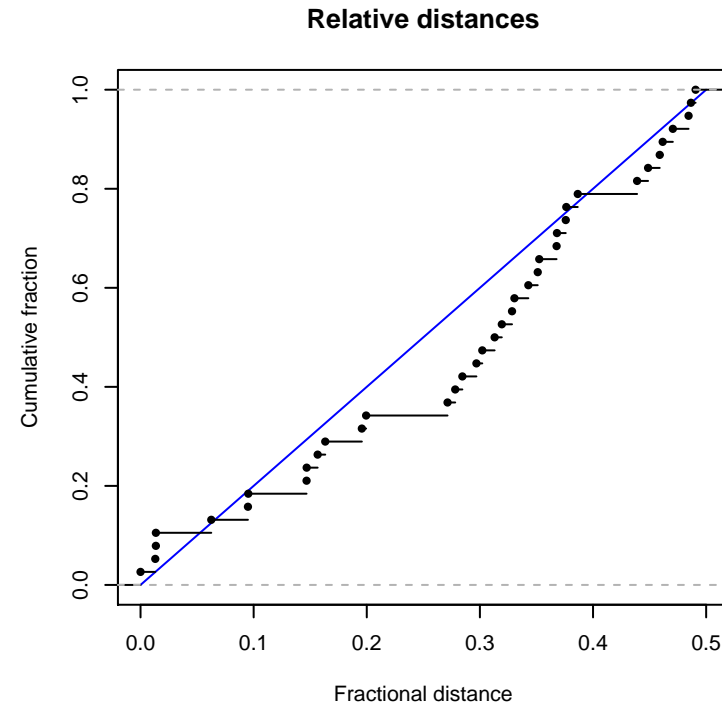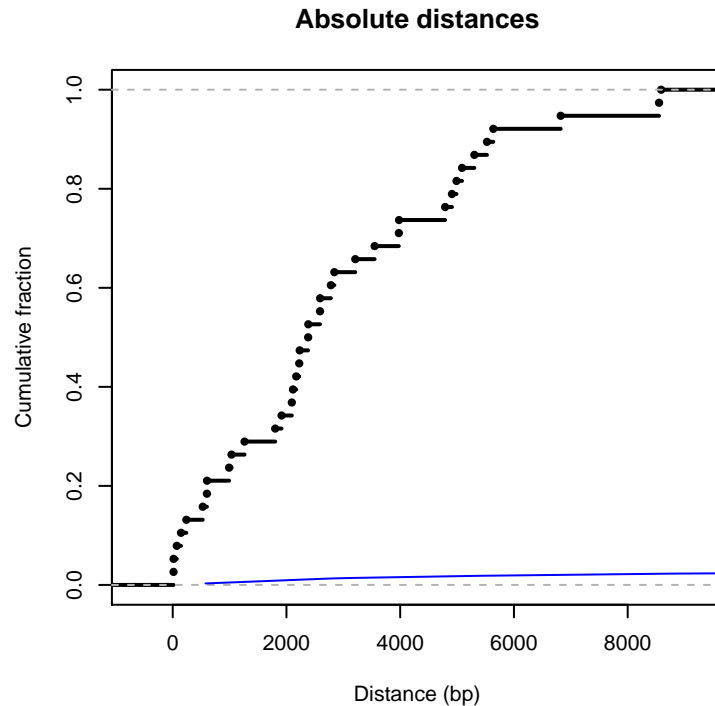Projection test observed to expected ratio : 29.1202

pcontig_157

Query population : 33
Reference population : 12
Relative Ks p−value : 0.0551329
Relative ecdf deviation area : 0.0434049
Relative ecdf area correlation : −0.17065
Relative ecdf deviation area p−value : 0.1
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.145252
Projection test lower tail : FALSE
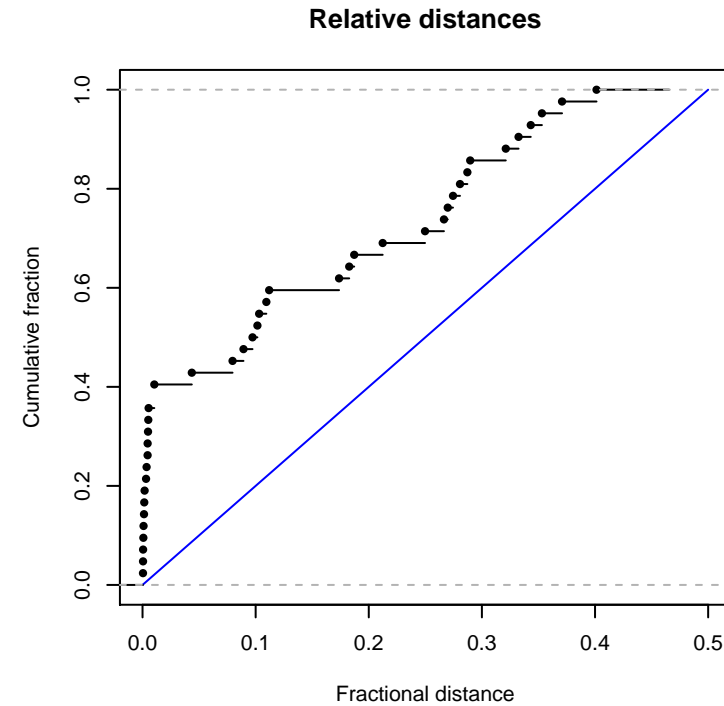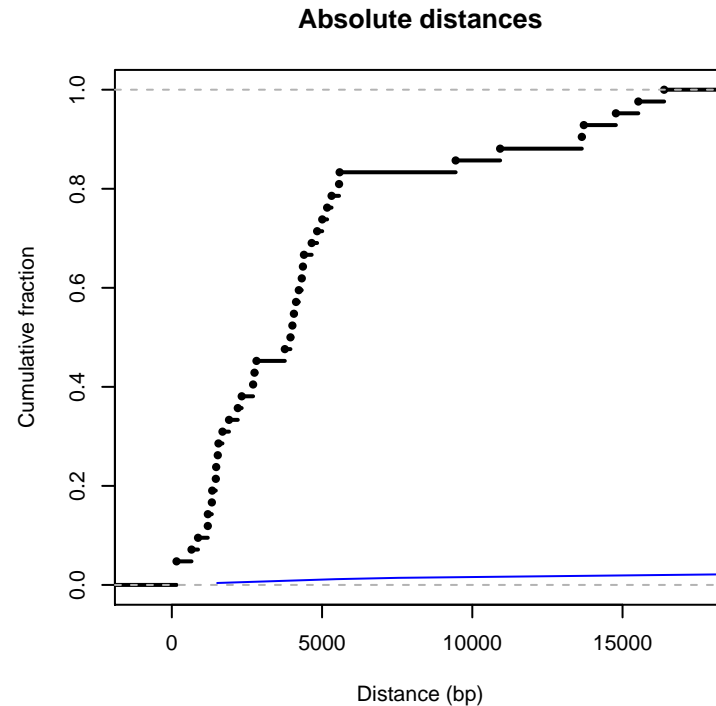Projection test observed to expected ratio : 0

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

pcontig_163

Absolute distances

Relative distances

Query population : 38
Reference population : 8
Relative Ks p−value : 0.0811111
Relative ecdf deviation area : 0.0352078
Relative ecdf area correlation : −0.124983
Relative ecdf deviation area p−value : 0.13
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 : 9.27012e−07
Projection test lower tail : FALSE
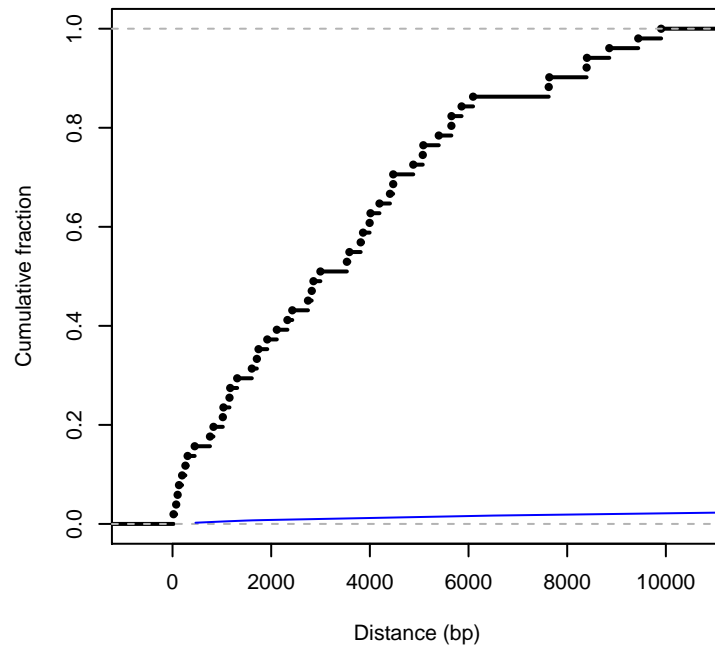Projection test observed to expected ratio : 22.8014

pcontig_164

Query population : 42
Reference population : 4
Relative Ks p−value : 4.44276e−06
Relative ecdf deviation area : 0.117311
Relative ecdf area correlation : 0.46754
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.03683e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 66.9997
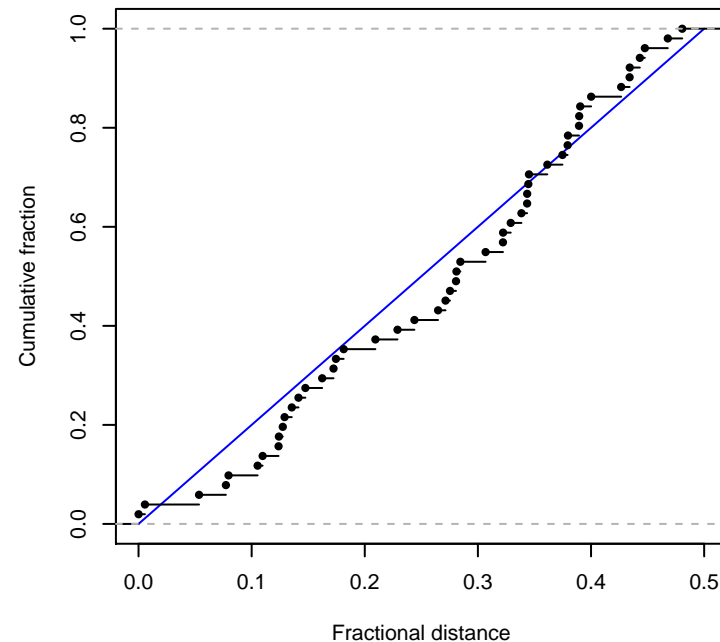
Absolute distances

Relative distances

pcontig_165

Query population : 51
Reference population : 8
Relative Ks p−value : 0.444585
Relative ecdf deviation area : 0.0254101
Relative ecdf area correlation : −0.0654603
Relative ecdf deviation area p−value : 0.27
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 2.63078e−12
Projection test lower tail : FALSE
Projection test observed to expected ratio : 47.814
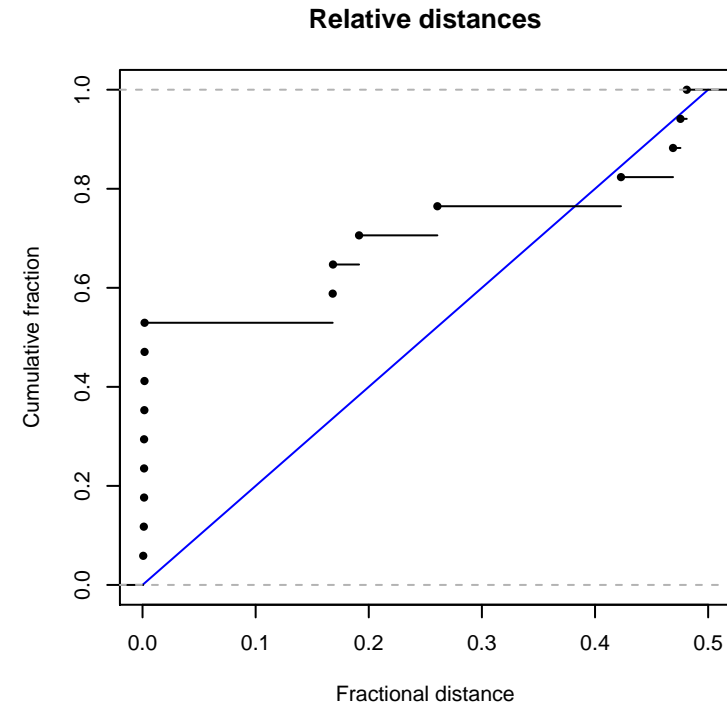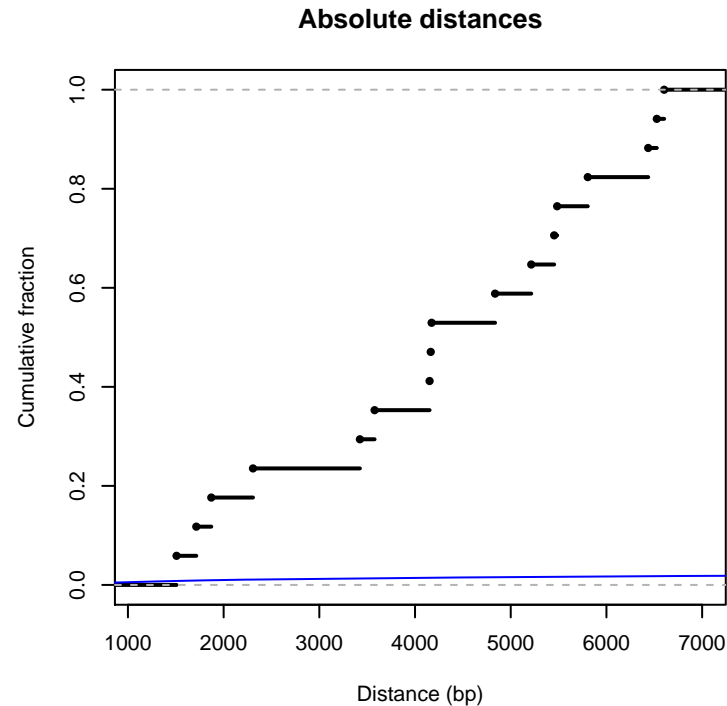
Absolute distances

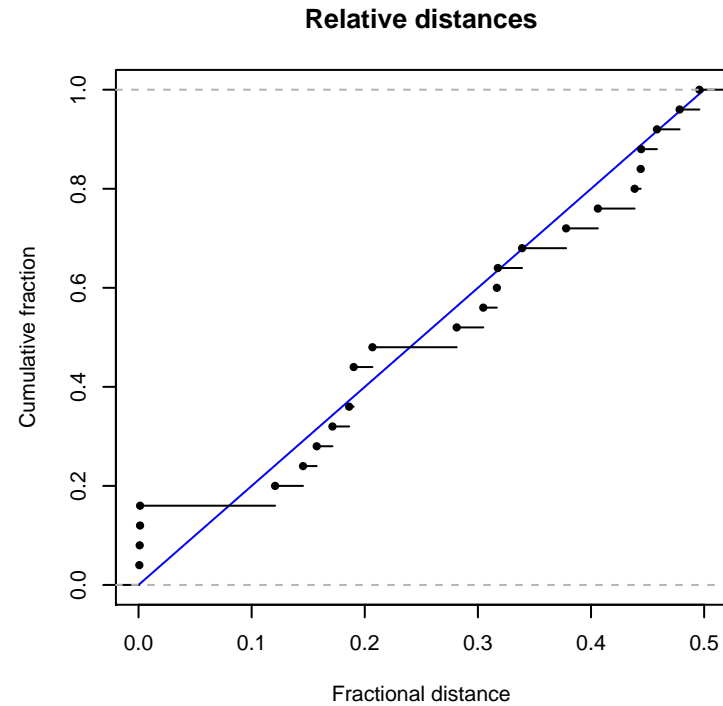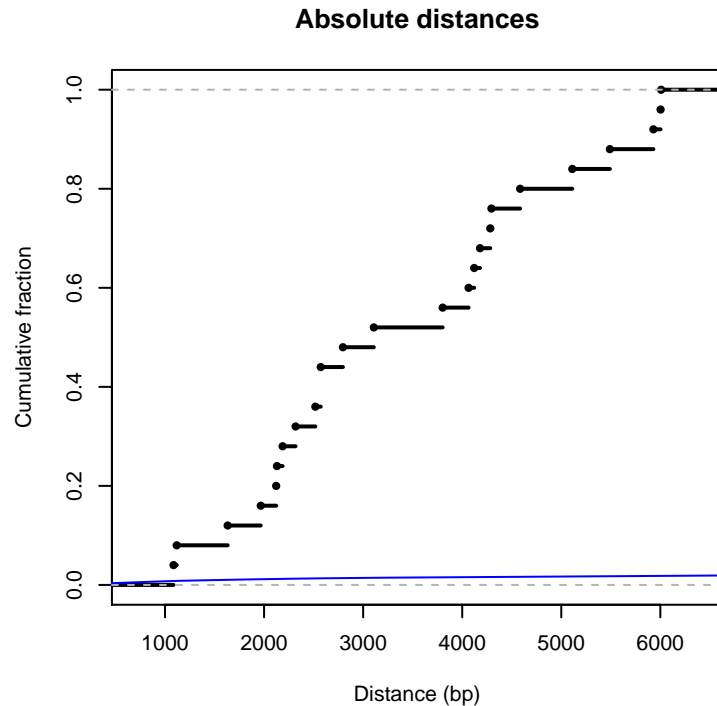**Relative distances**

Absolute distances

Relative distances

pcontig_166

Query population : 17
Reference population : 9
Relative Ks p−value : 6.61527e−05
Relative ecdf deviation area : 0.104965
Relative ecdf area correlation : 0.376514
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.14
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0921433
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

pcontig_170

Absolute distances

Relative distances

Query population : 25
Reference population : 13
Relative Ks p−value : 0.51645
Relative ecdf deviation area : 0.0246719
Relative ecdf area correlation : −0.0360836
Relative ecdf deviation area p−value : 0.67
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0895365
Projection test lower tail : FALSE
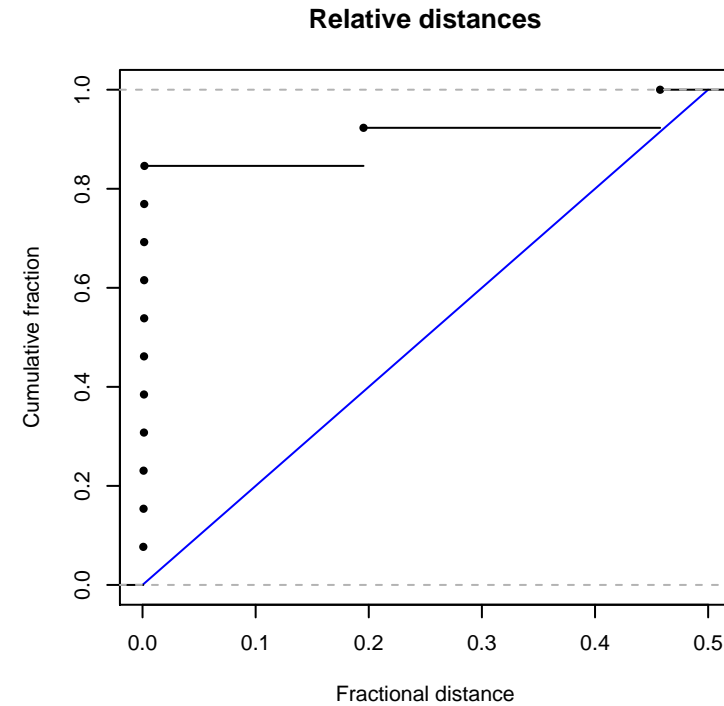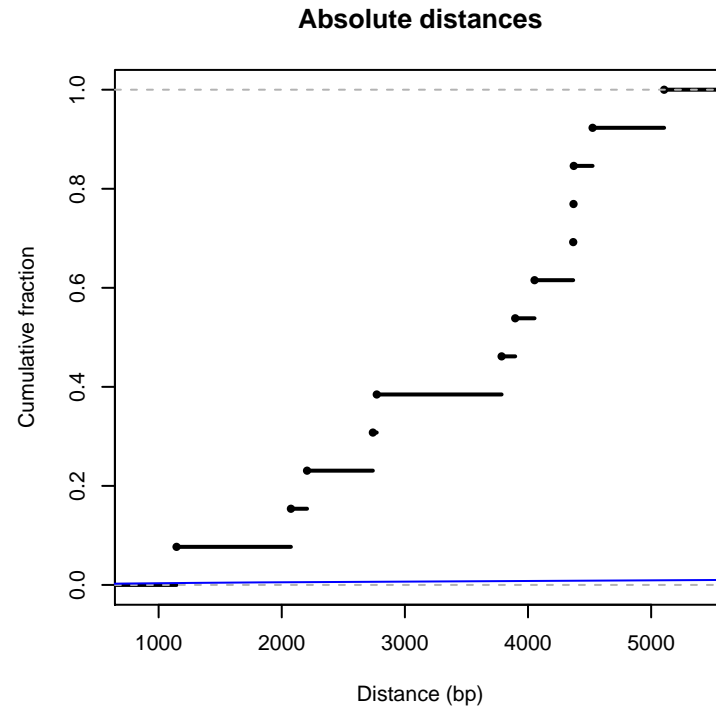Projection test observed to expected ratio : 0
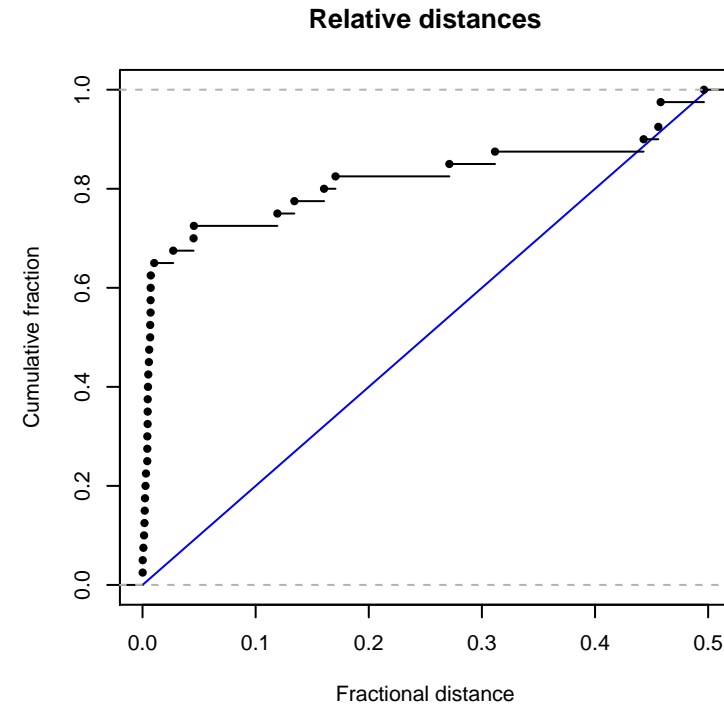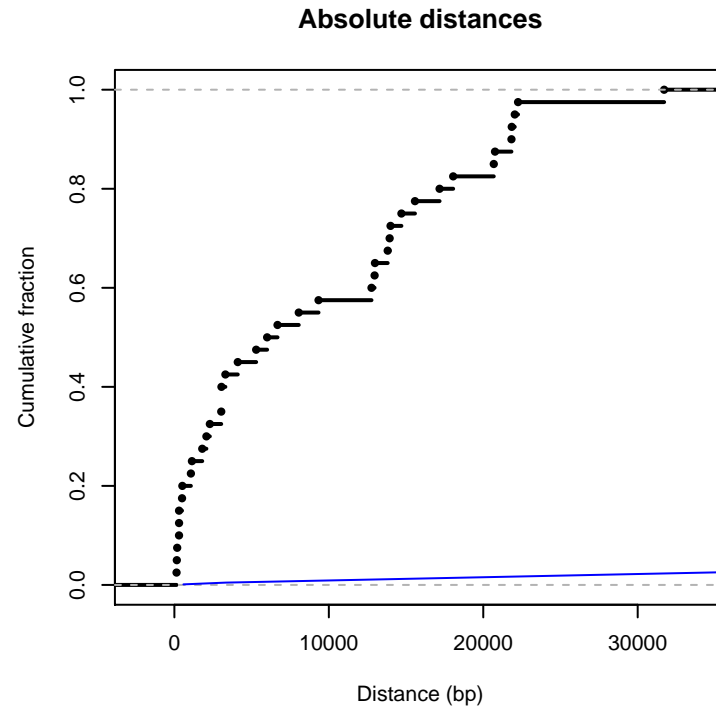
Absolute distances

Relative distances

pcontig_171

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

Absolute distances
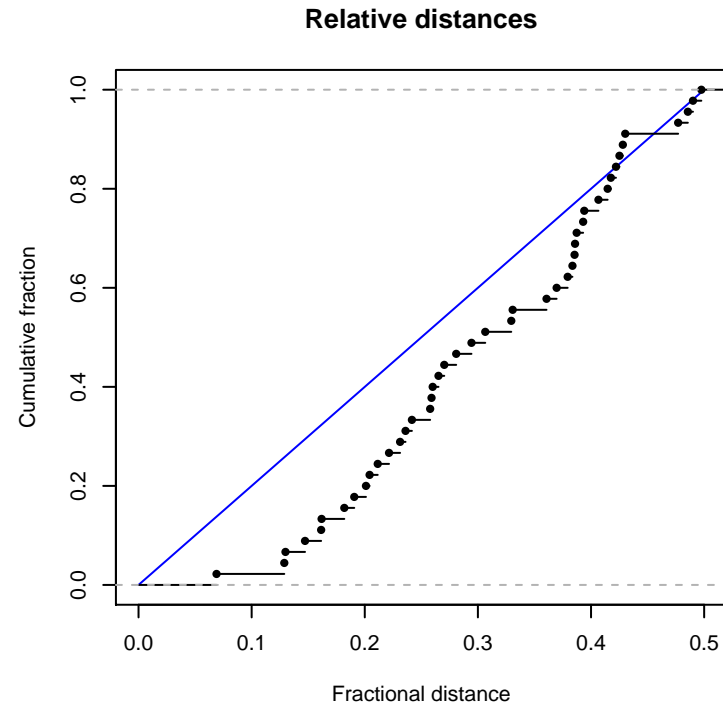
Relative distances

pcontig_172

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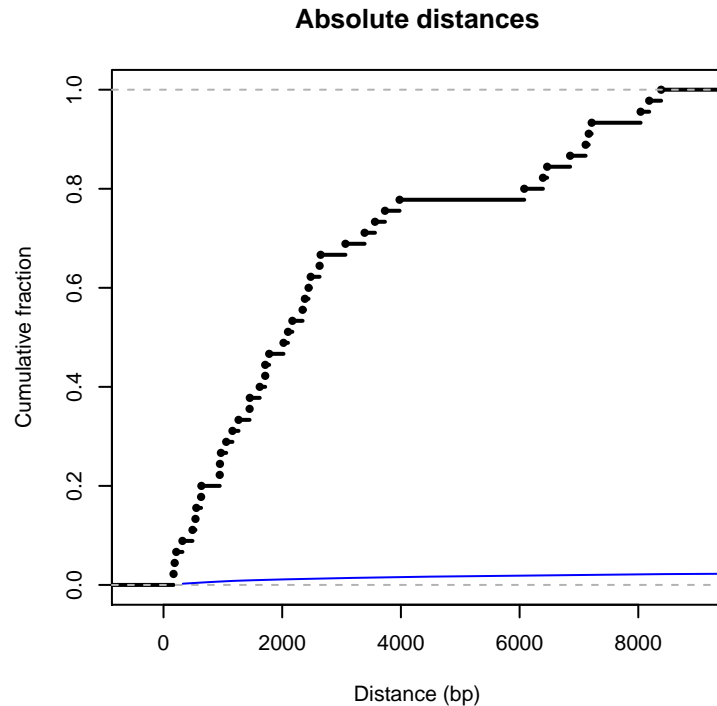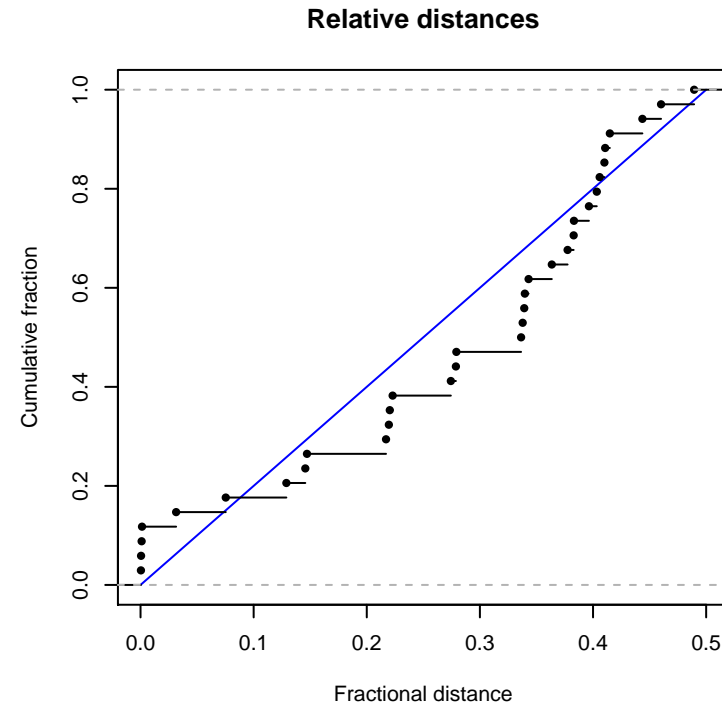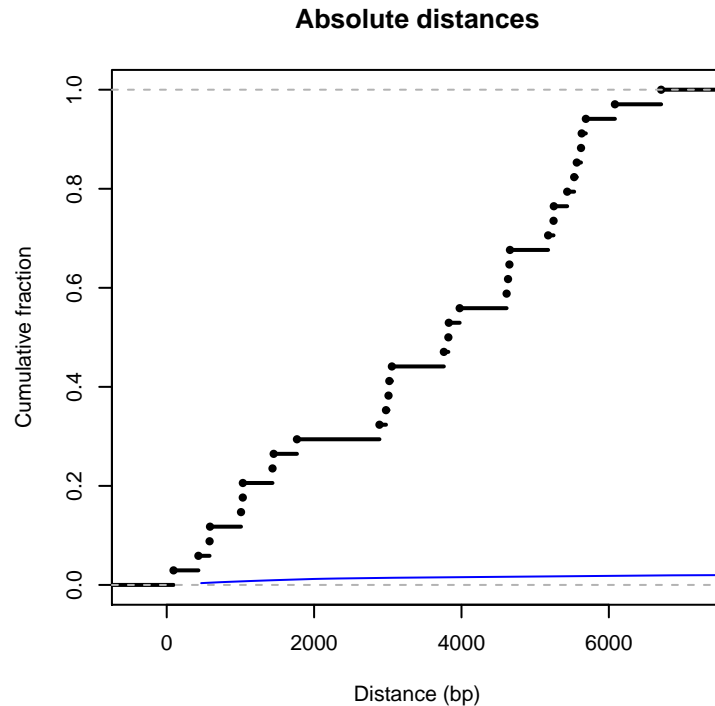Projection test observed to expected ratio : 80.5261

pcontig_173

Query population : 45
Reference population : 12
Relative Ks p−value : 0.0111637
Relative ecdf deviation area : 0.0604534
Relative ecdf area correlation : −0.236049
Relative ecdf deviation area p−value : 0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.14849e−05
Projection test lower tail : FALSE
Projection test observed to expected ratio : 16.9304

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances
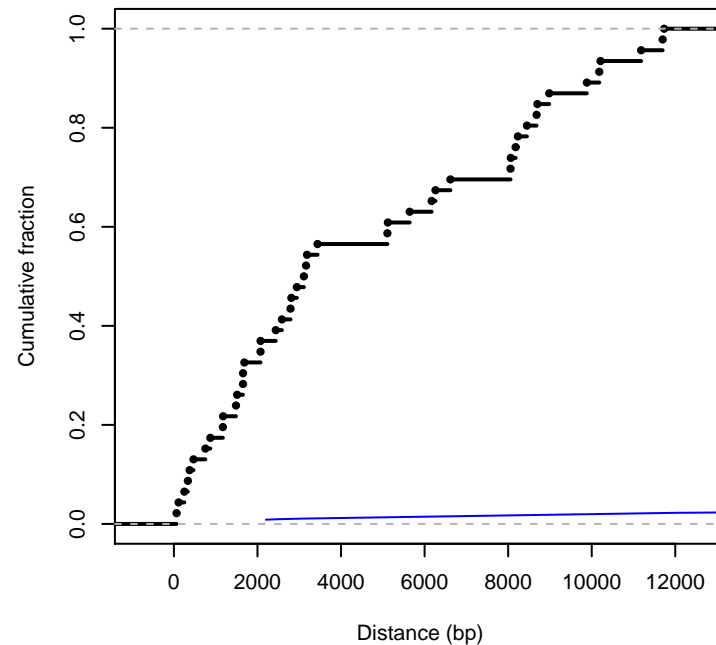
Relative distances

pcontig_174

Query population : 34
Reference population : 12
Relative Ks p−value : 0.107316
Relative ecdf deviation area : 0.03847
Relative ecdf area correlation : −0.0919127
Relative ecdf deviation area p−value : 0.2
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00177042
Projection test lower tail : FALSE
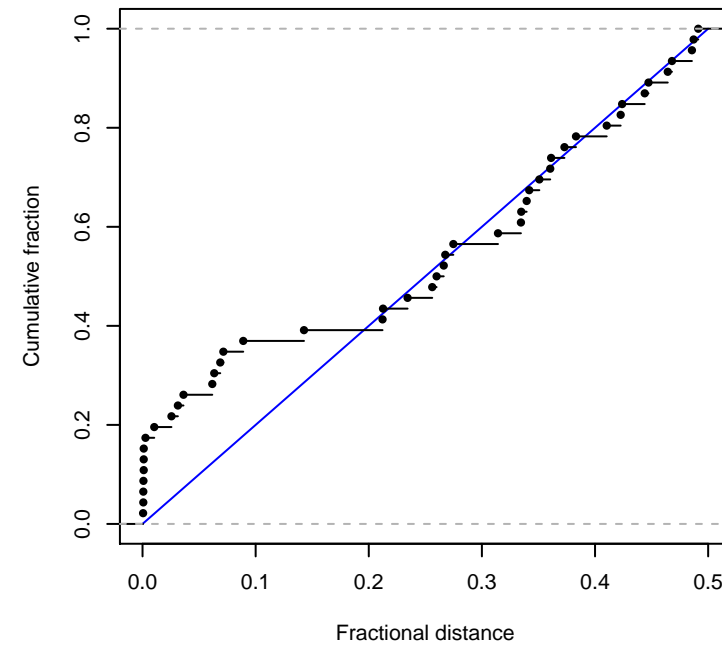Projection test observed to expected ratio : 8.36065

pcontig_176

Query population : 46
Reference population : 6
Relative Ks p−value : 0.0359444
Relative ecdf deviation area : 0.0319994
Relative ecdf area correlation : 0.0756
Relative ecdf deviation area p−value : 0.11
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.15966e−06
Projection test lower tail : FALSE
Projection test observed to expected ratio : 21.9833
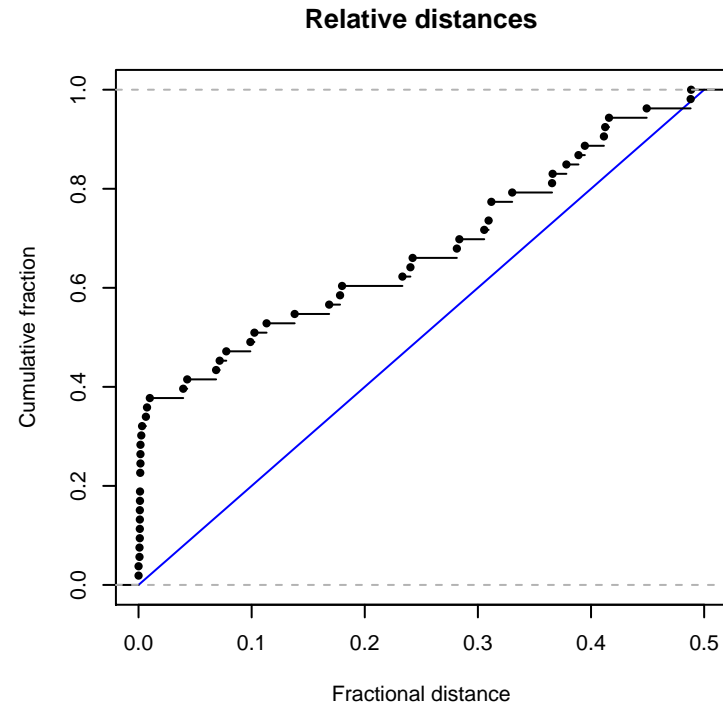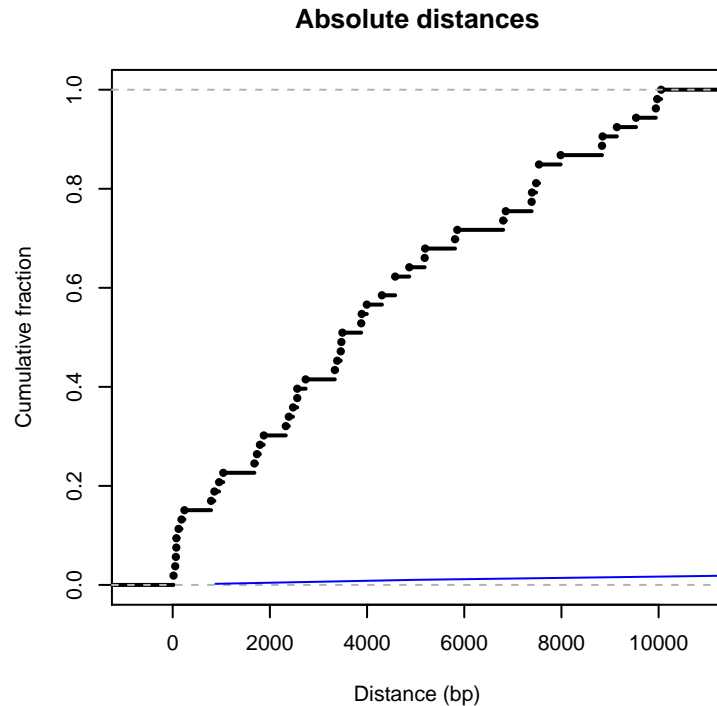
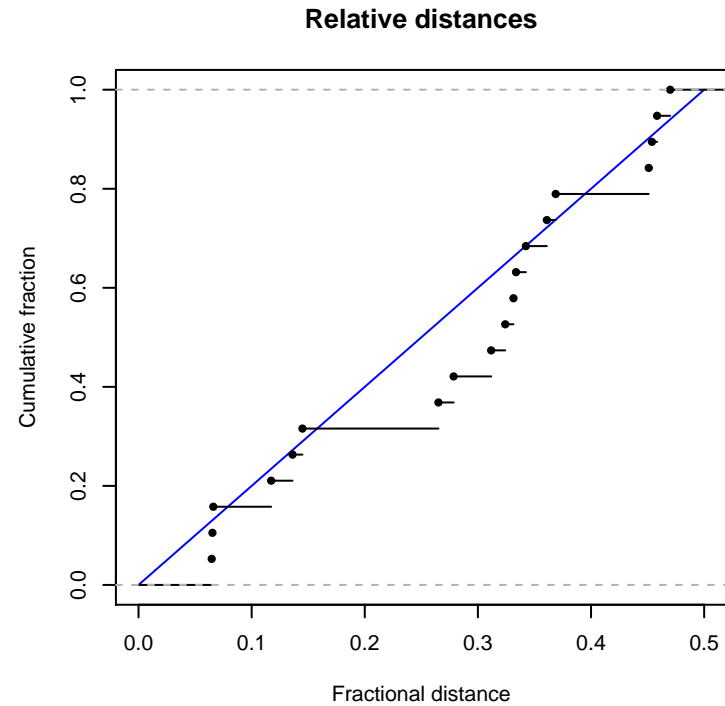**Absolute distances**

Relative distances
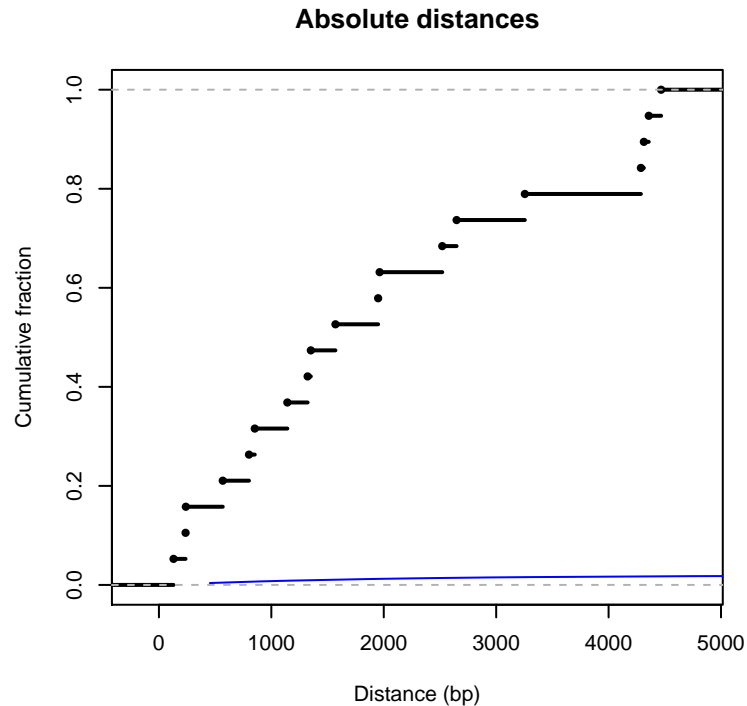
pcontig_177

Absolute distances

Relative distances

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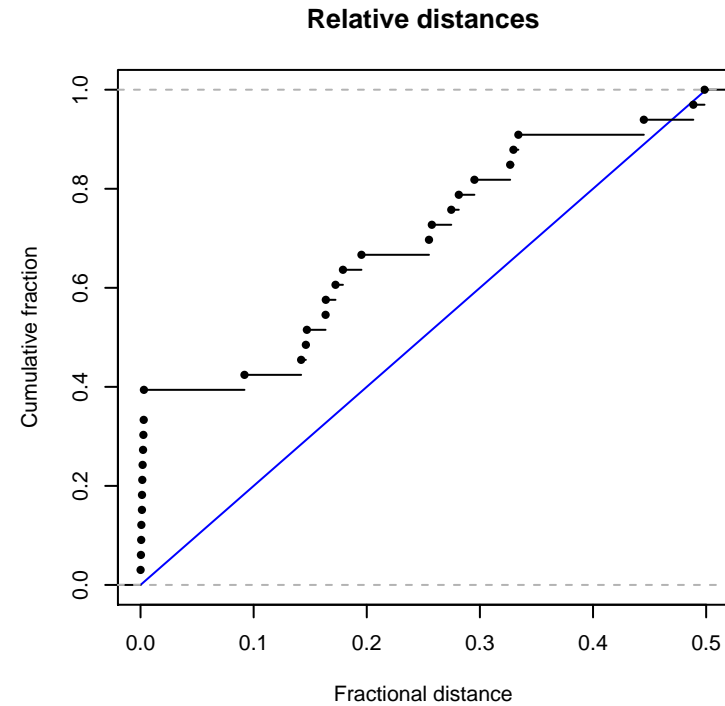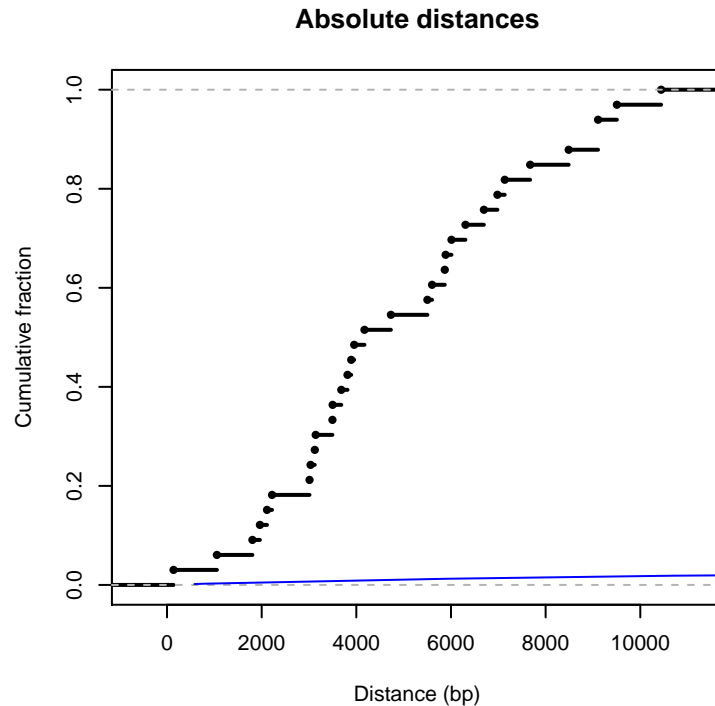
Absolute distances

Relative distances

pcontig_179

Query population : 19
Reference population : 13
Relative Ks p−value : 0.301448
Relative ecdf deviation area : 0.0354755
Relative ecdf area correlation : −0.125138
Relative ecdf deviation area p−value : 0.4
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 3.55825e−10
Projection test lower tail : FALSE
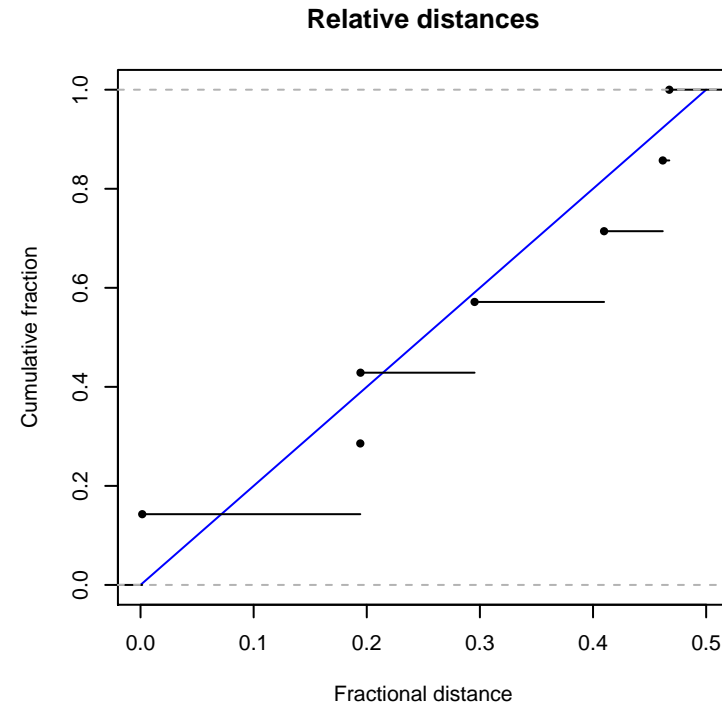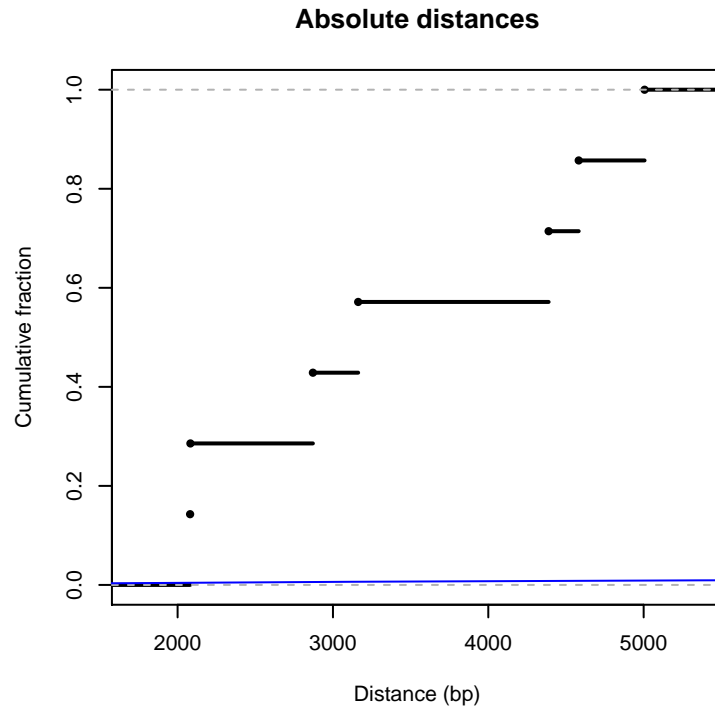Projection test observed to expected ratio : 53.6989

Cumulative fraction

Distance (bp)

Cumulative fraction

Fractional distance

Absolute distances

Relative distances

pcontig_181

Query population : 33
Reference population : 5
Relative Ks p−value : 5.55229e−05
Relative ecdf deviation area : 0.0933554
Relative ecdf area correlation : 0.368671
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 5.30697e−05
Projection test lower tail : FALSE
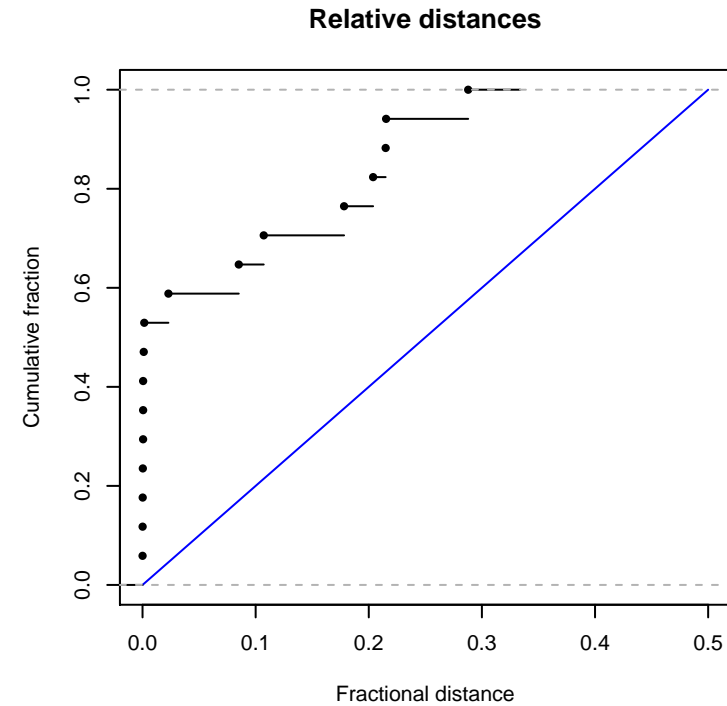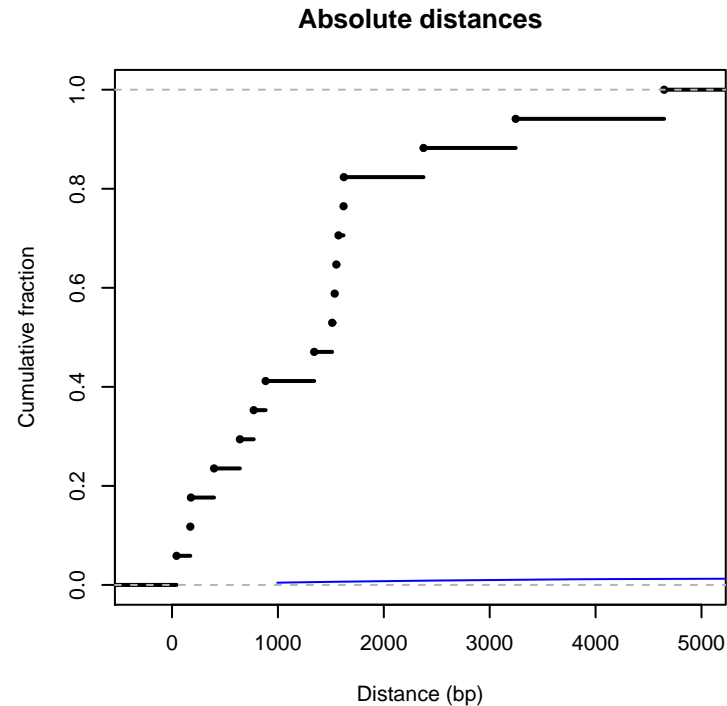Projection test observed to expected ratio : 27.9338

Absolute distances

Relative distances

pcontig_185

Query population : 7
Reference population : 4
Relative Ks p−value : 0.697303
Relative ecdf deviation area : 0.0520437
Relative ecdf area correlation : −0.156789
Relative ecdf deviation area p−value : 0.58
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0111834
Projection test lower tail : FALSE
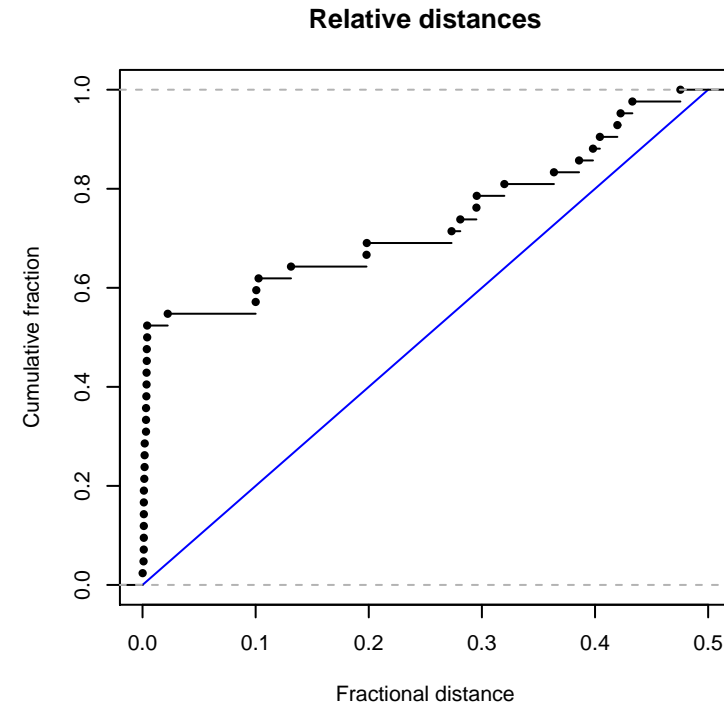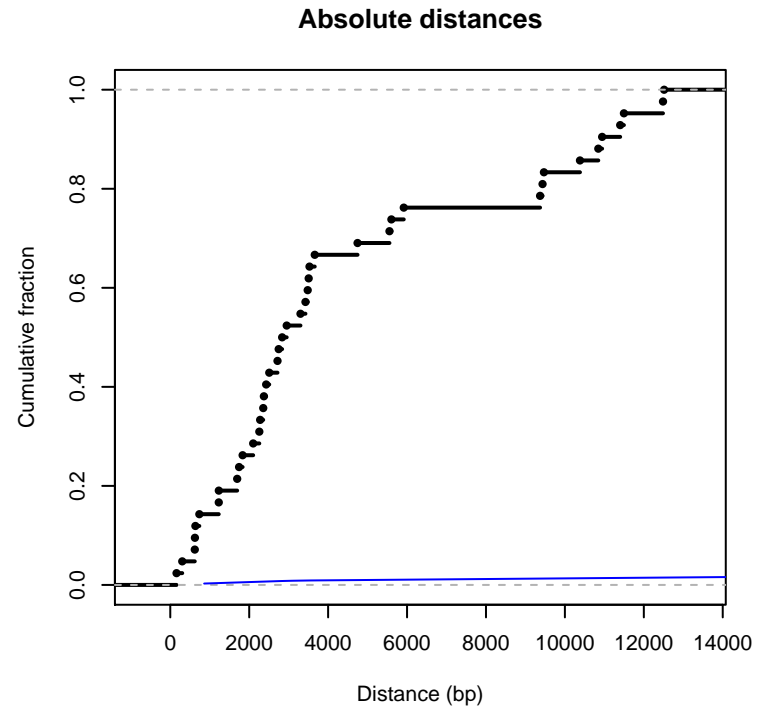Projection test observed to expected ratio : 0

pcontig_186

Query population : 17
Reference population : 7
Relative Ks p−value : 3.25674e−05
Relative ecdf deviation area : 0.172264
Relative ecdf area correlation : 0.689469
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
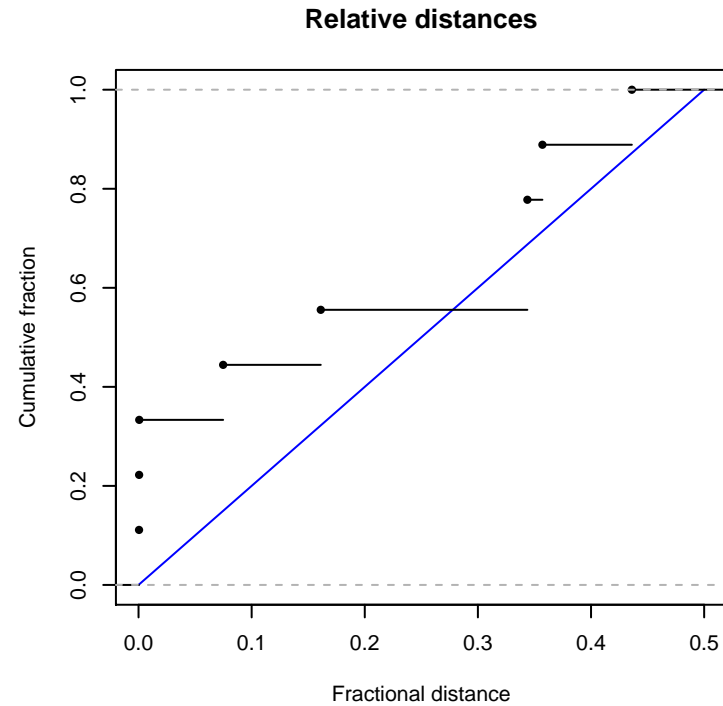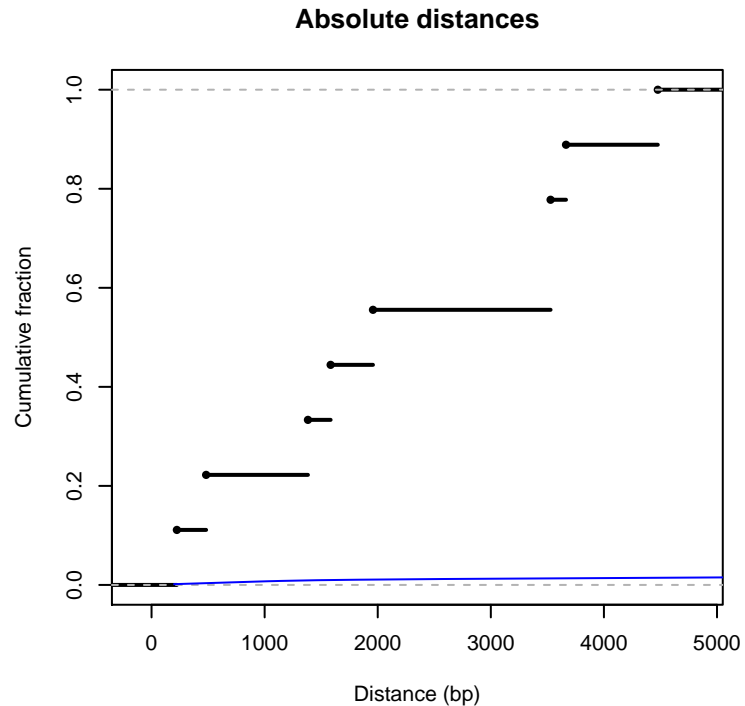Projection test observed to expected ratio : 164.368

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_187

Query population : 42
Reference population : 5
Relative Ks p−value : 6.73017e−11
Relative ecdf deviation area : 0.114919
Relative ecdf area correlation : 0.459912
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 6.55327e−05
Projection test lower tail : FALSE
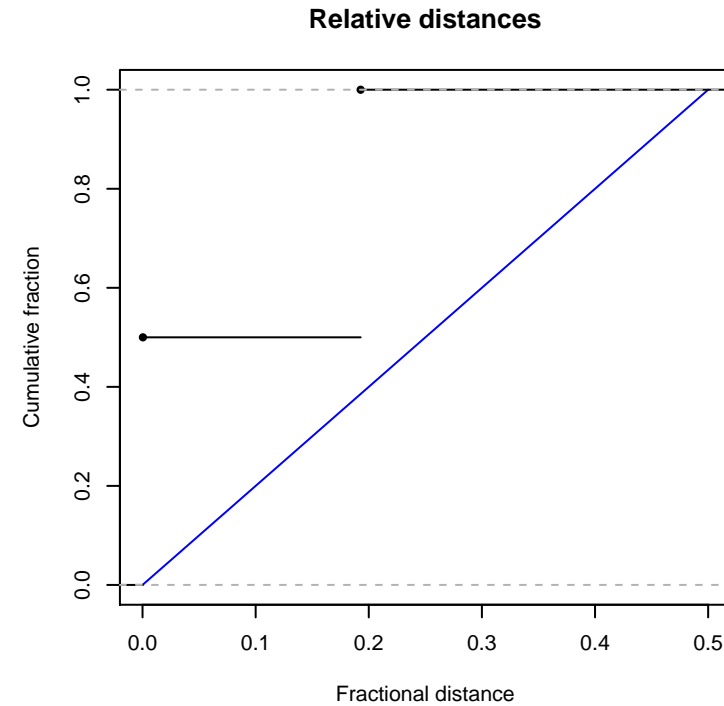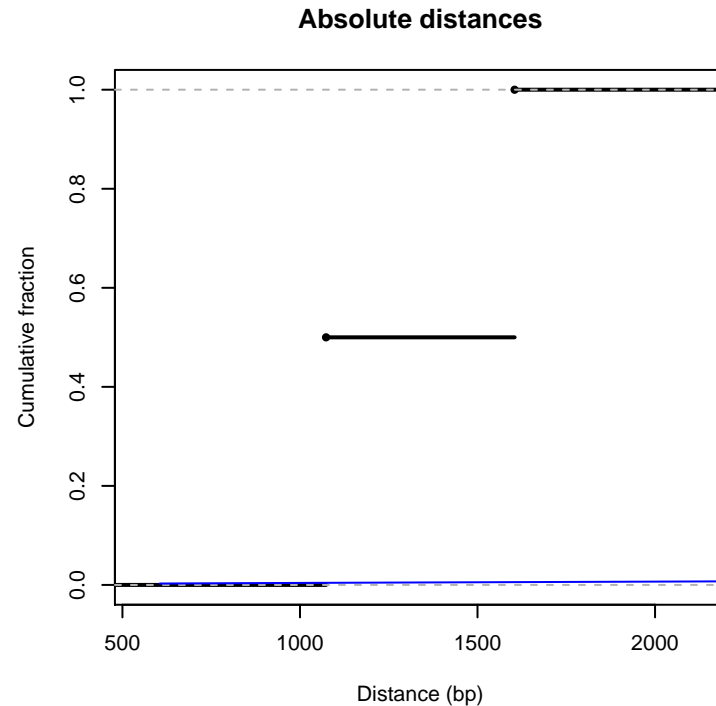Projection test observed to expected ratio : 26.1766

pcontig_188

Absolute distances

Relative distances

Query population : 9
Reference population : 12
Relative Ks p−value : 0.219194
Relative ecdf deviation area : 0.0676916
Relative ecdf area correlation : 0.236387
Relative ecdf deviation area p−value : 0.17
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 1.77653e−09
Projection test lower tail : FALSE
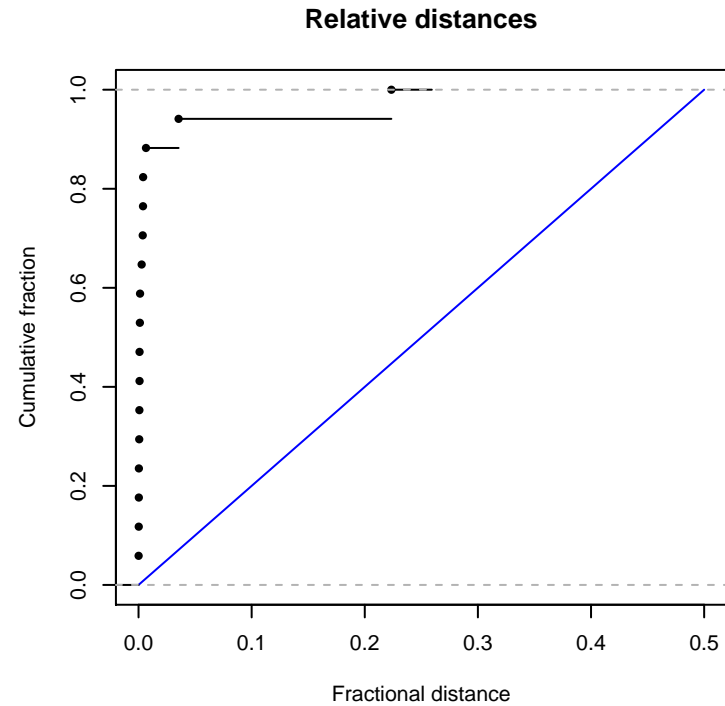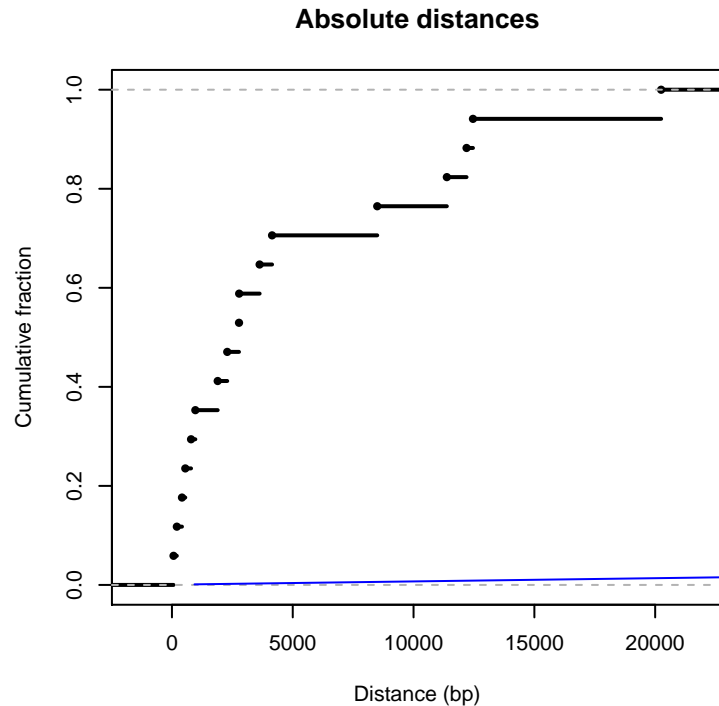Projection test observed to expected ratio : 65.4646

Cumulative fraction

Distance (bp)

Fractional distance

Absolute distances

Relative distances

pcontig_189

Query population : 2
Reference population : 7
Relative Ks p−value : 0.297382
Relative ecdf deviation area : 0.153348
Relative ecdf area correlation : 0.613691
Relative ecdf deviation area p−value : 0.17
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0091314
Projection test lower tail : FALSE
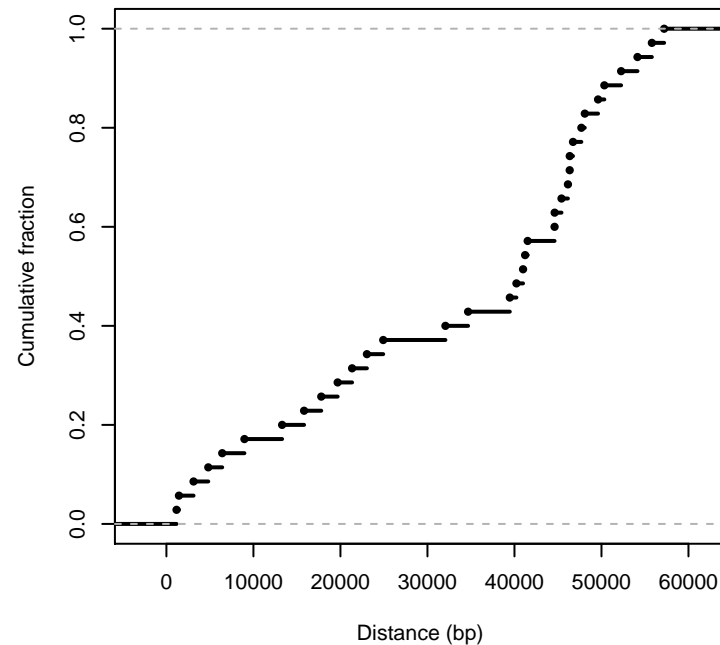Projection test observed to expected ratio : 0

pcontig_191

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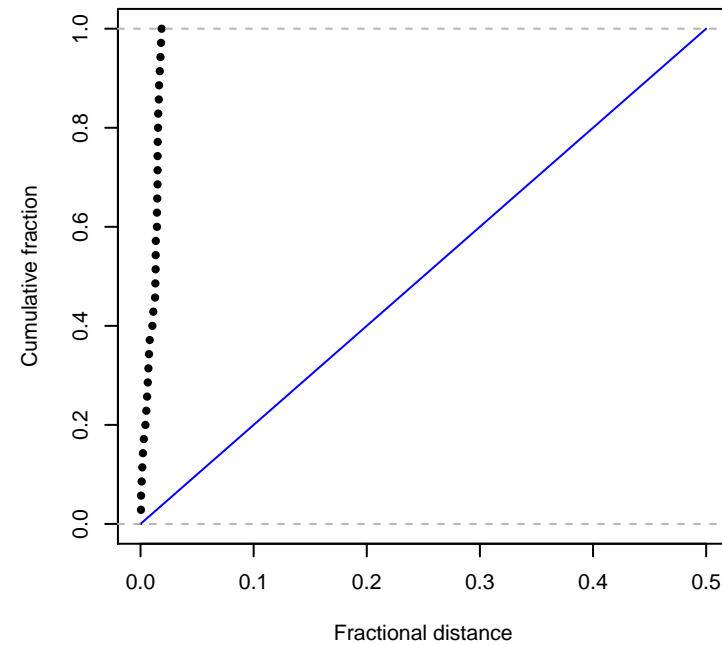Projection test observed to expected ratio : 120.425

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_193

Query population : 35
Reference population : 1
Relative Ks p−value : 0
Relative ecdf deviation area : 0.239137
Relative ecdf area correlation : 0.956585
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.02
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.00540738
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0
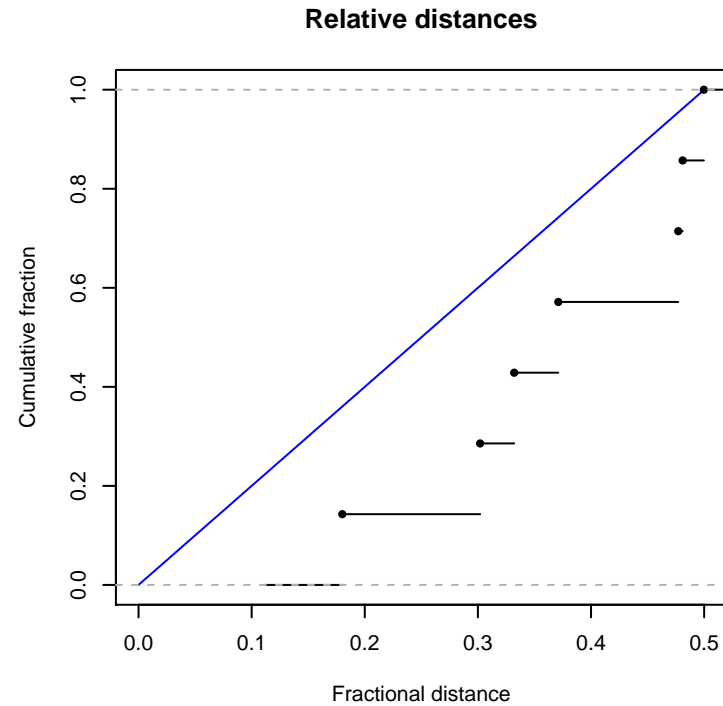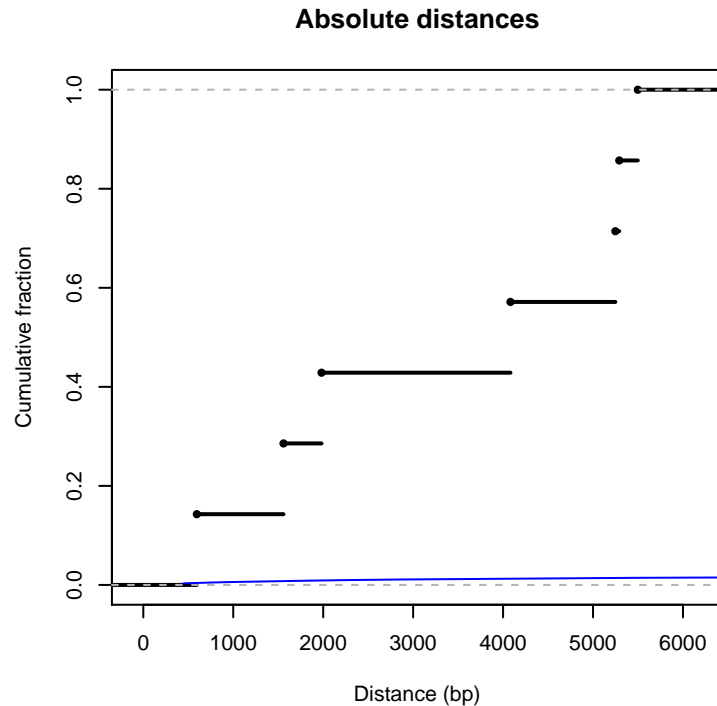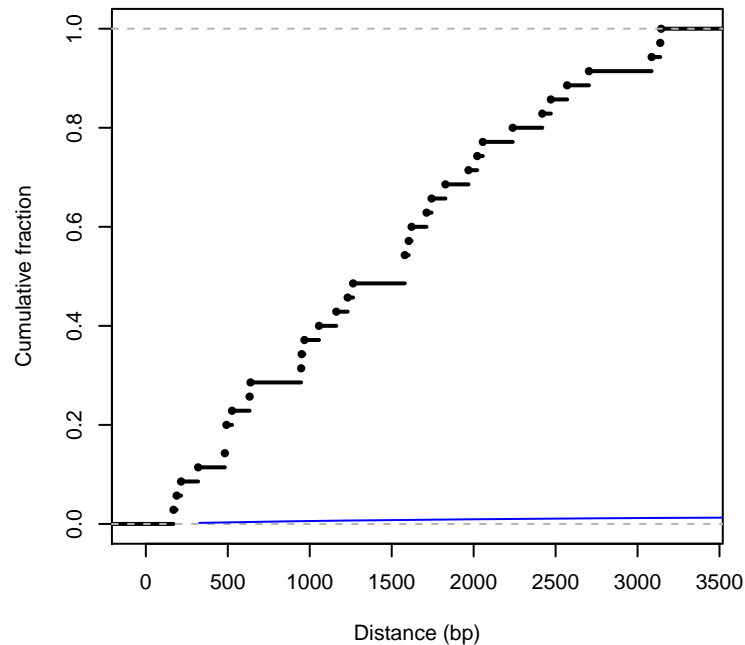
pcontig_195

Query population : 7
Reference population : 11
Relative Ks p−value : 0.0701434
Relative ecdf deviation area : 0.127344
Relative ecdf area correlation : −0.510376
Relative ecdf deviation area p−value : 0.03
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000584695
Projection test lower tail : FALSE
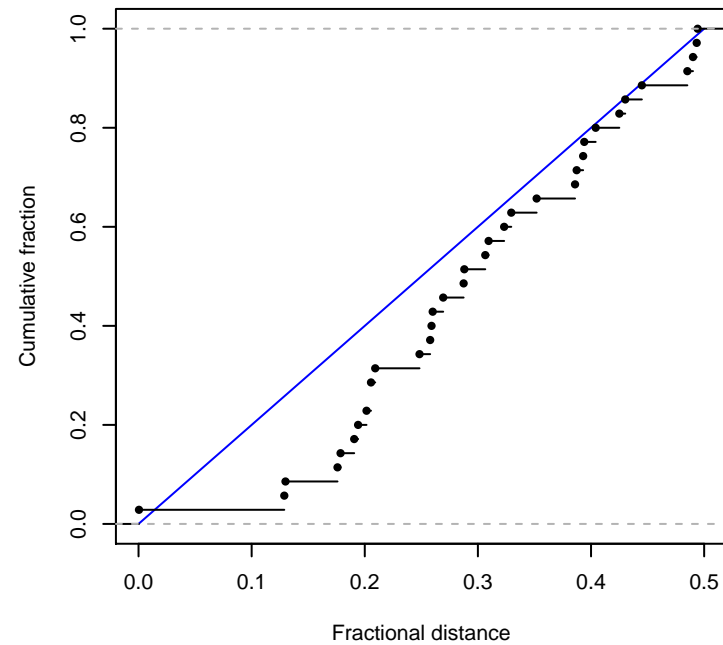Projection test observed to expected ratio : 26.8343

Absolute distances

Cumulative fraction

Distance (bp)

Relative distances

Cumulative fraction

Fractional distance

Absolute distances

Relative distances

pcontig_200

Query population : 35
Reference population : 10
Relative Ks p−value : 0.0111913
Relative ecdf deviation area : 0.0513596
Relative ecdf area correlation : −0.204366
Relative ecdf deviation area p−value : 0.04
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.64627e−06
Projection test lower tail : FALSE
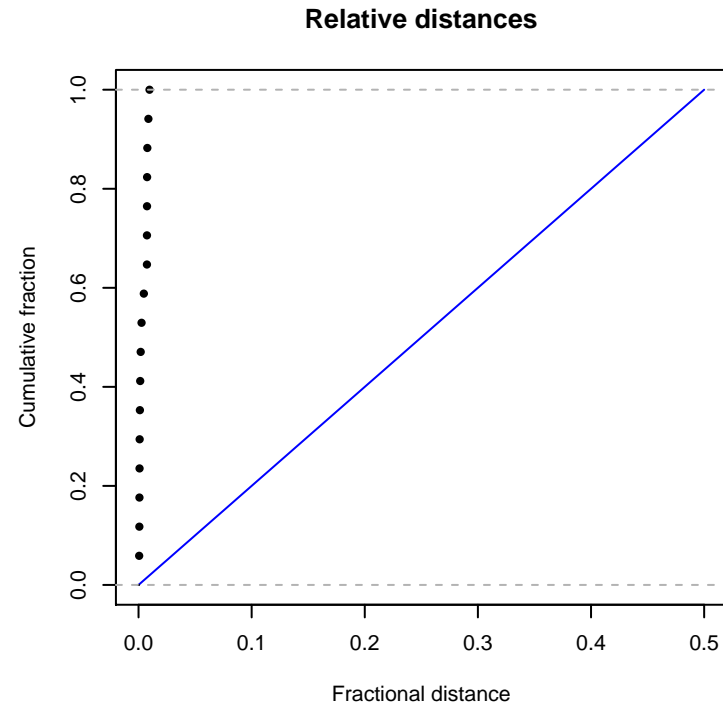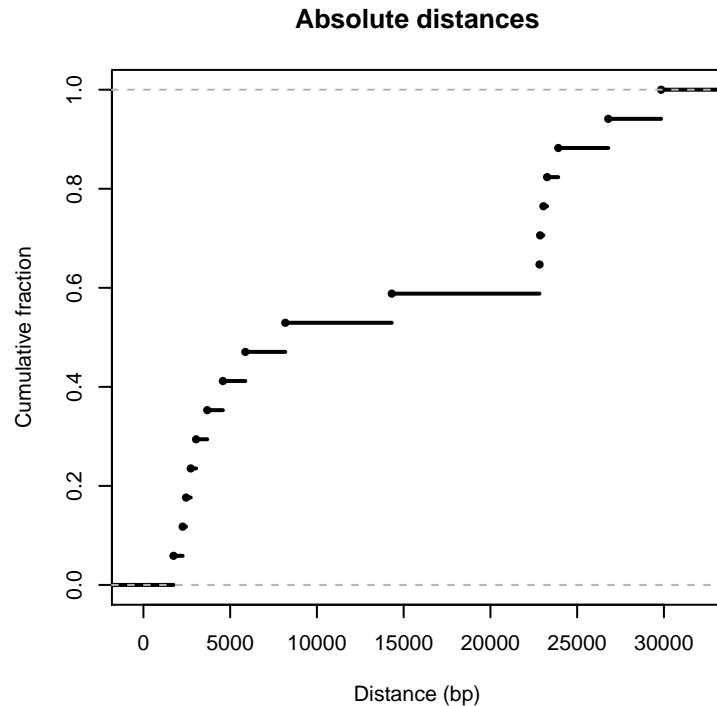Projection test observed to expected ratio : 27.3907

Absolute distances
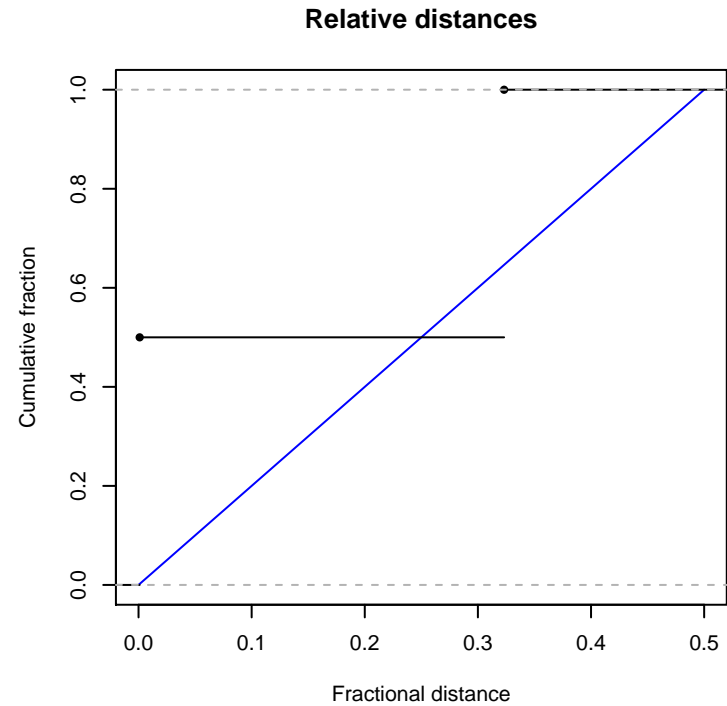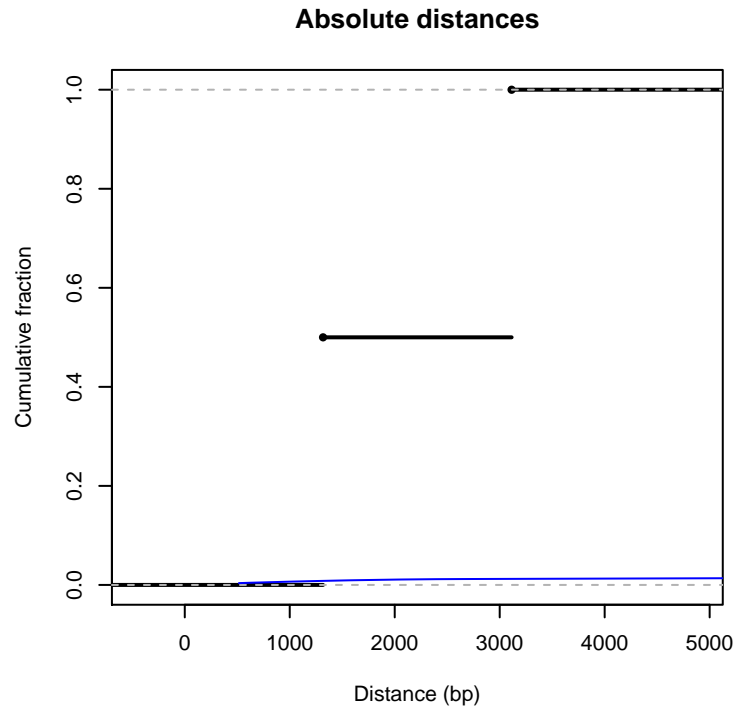
Relative distances

pcontig_202

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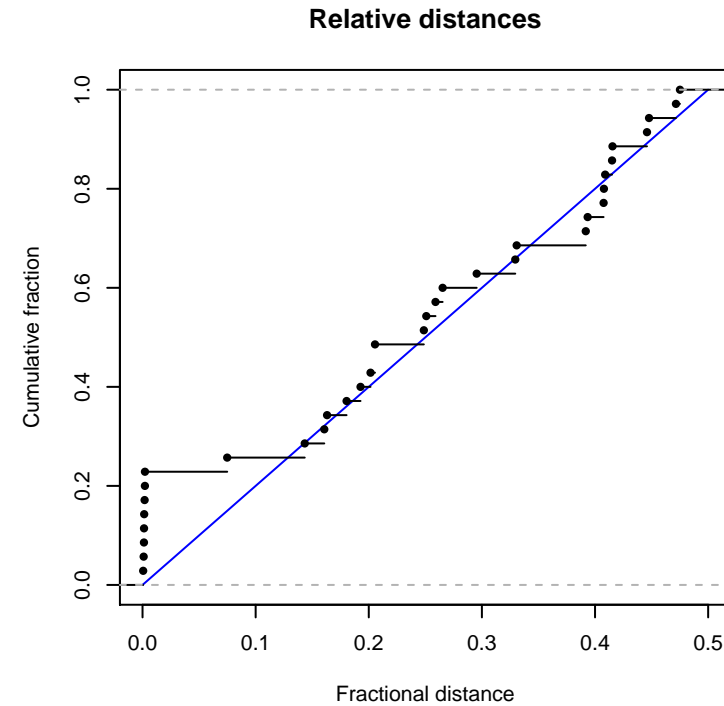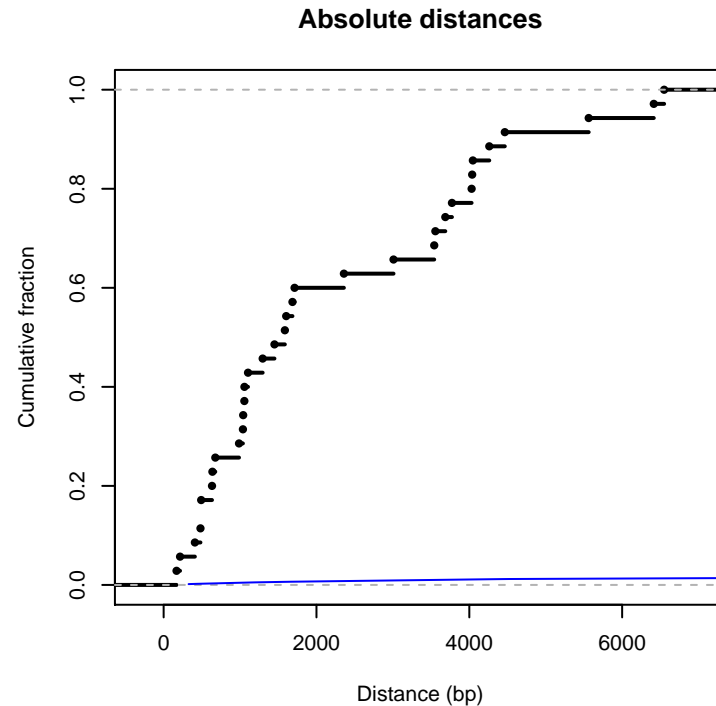Projection test observed to expected ratio : 0

pcontig_203

Query population : 2
Reference population : 11
Relative Ks p−value : 0.508156
Relative ecdf deviation area : 0.0982074
Relative ecdf area correlation : 0.351644
Relative ecdf deviation area p−value : 0.45
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.0600000000000001
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.0111634
Projection test lower tail : FALSE
Projection test observed to expected ratio : 0

Absolute distances

Relative distances

Absolute distances
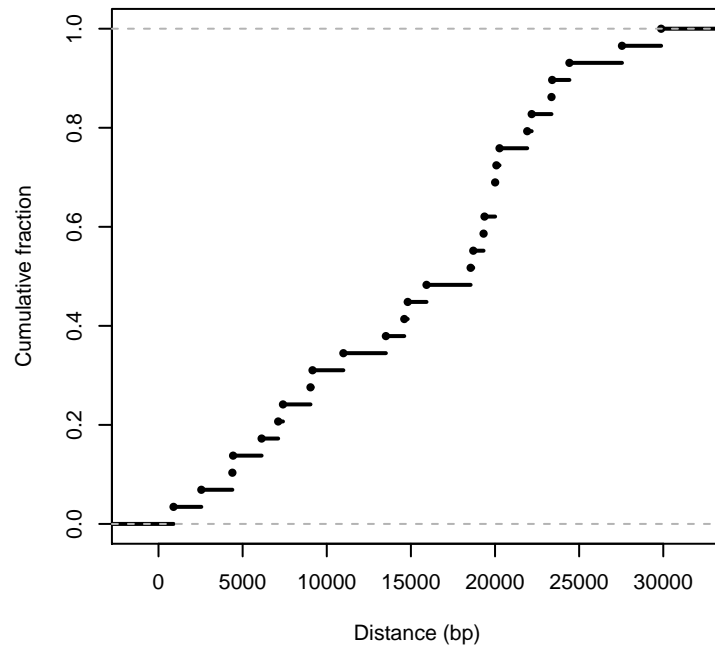
Relative distances

pcontig_204

Query population : 35
Reference population : 8
Relative Ks p−value : 0.0499621
Relative ecdf deviation area : 0.0234597
Relative ecdf area correlation : 0.0629401
Relative ecdf deviation area p−value : 0.45
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.002196
Projection test lower tail : FALSE
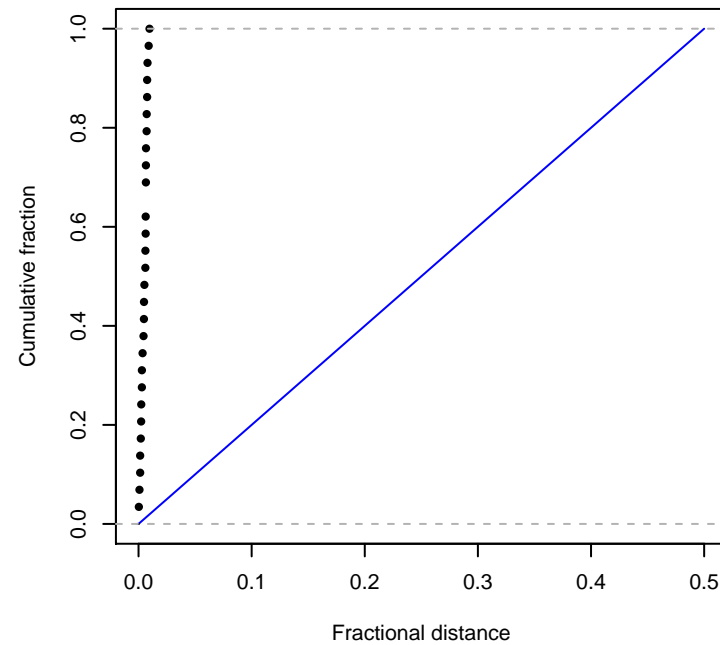Projection test observed to expected ratio : 14.5551

pcontig_205

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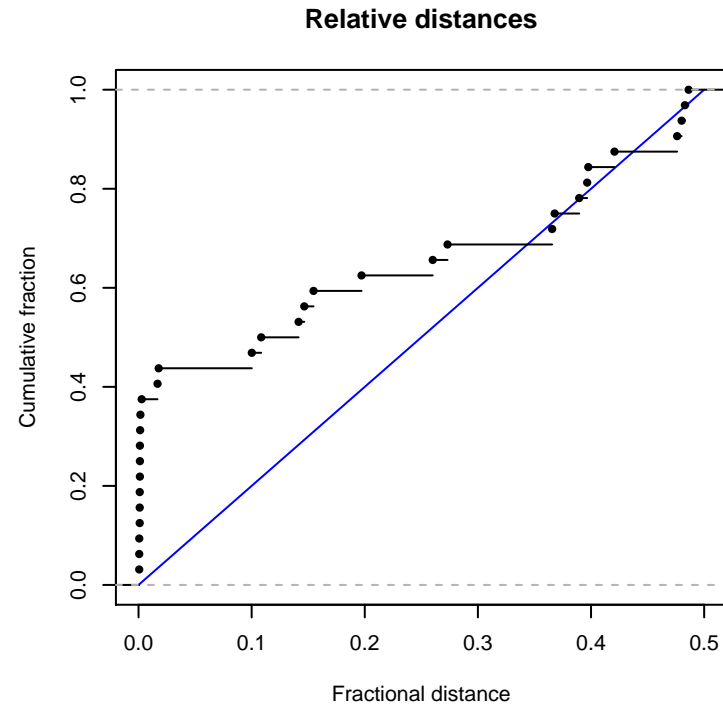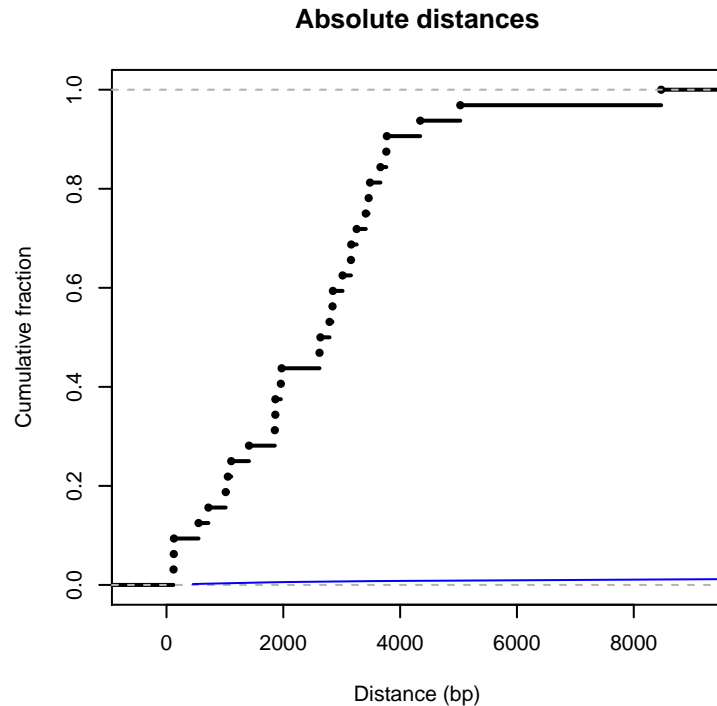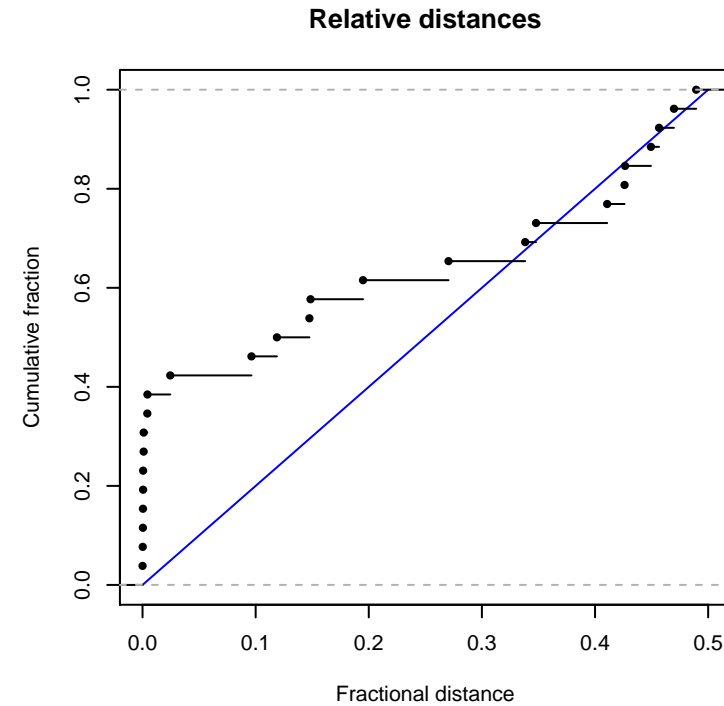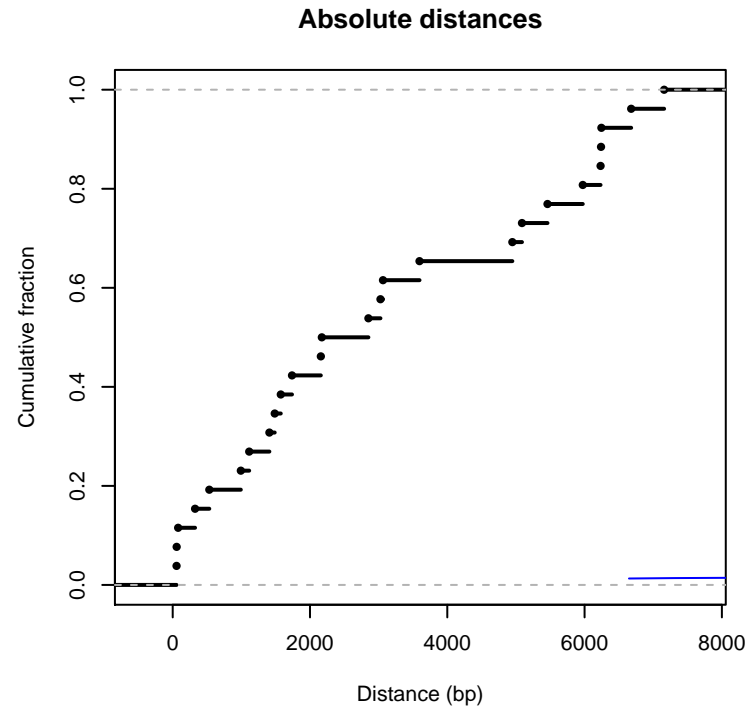
Absolute distances

Relative distances

pcontig_207

Query population : 32
Reference population : 6
Relative Ks p−value : 3.52149e−05
Relative ecdf deviation area : 0.0763031
Relative ecdf area correlation : 0.288238
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 8.1254e−09
Projection test lower tail : FALSE
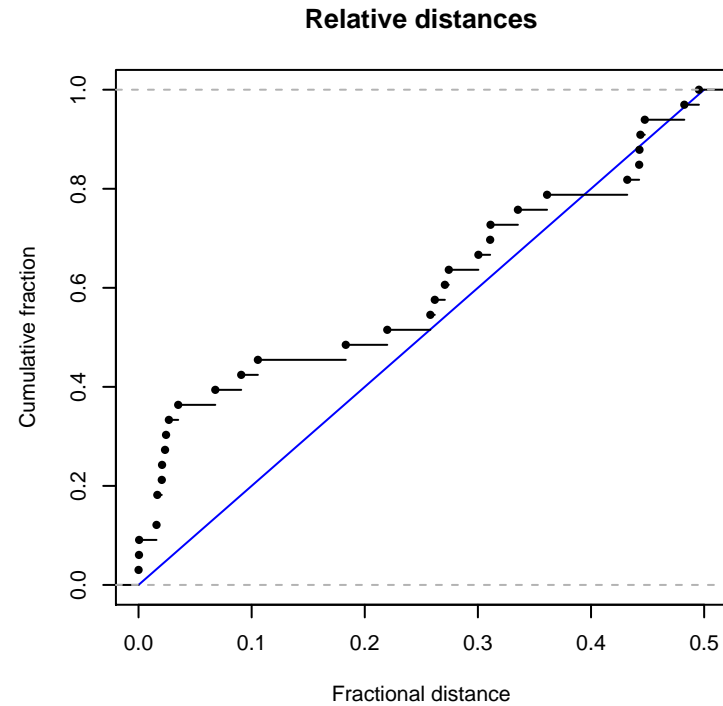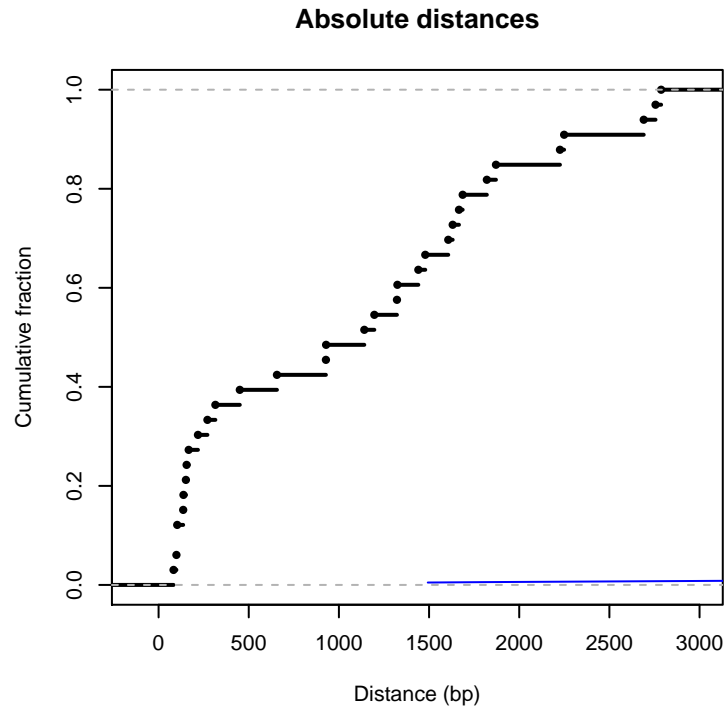Projection test observed to expected ratio : 59.1028

Absolute distances

Relative distances

pcontig_214

Absolute distances

Relative distances

Query population : 26
Reference population : 3
Relative Ks p−value : 0.000825342
Relative ecdf deviation area : 0.0727531
Relative ecdf area correlation : 0.25719
Relative ecdf deviation area p−value : 0.02
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 4.95181e−09
Projection test lower tail : FALSE
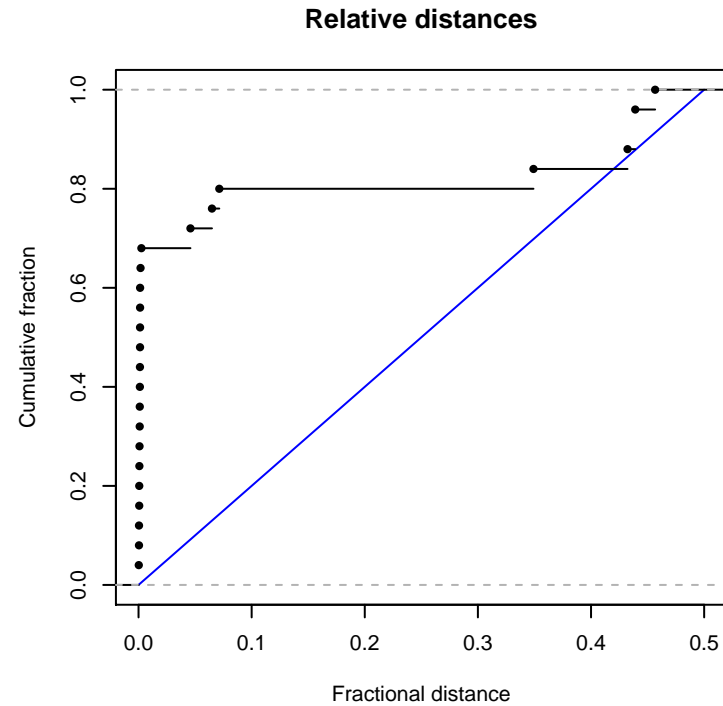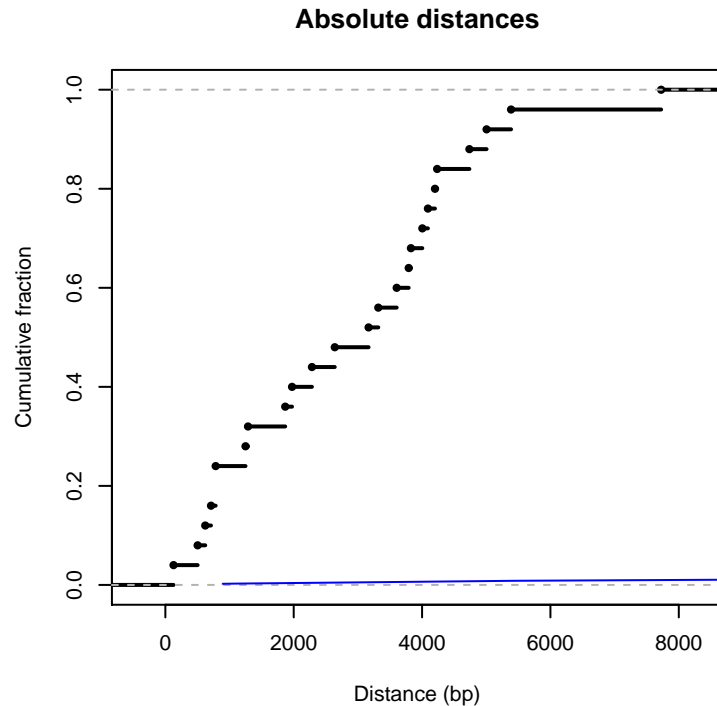Projection test observed to expected ratio : 151.587

Absolute distances

Relative distances

pcontig_218

Query population : 33
Reference population : 5
Relative Ks p−value : 0.00516943
Relative ecdf deviation area : 0.0507597
Relative ecdf area correlation : 0.18318
Relative ecdf deviation area p−value : 0.07
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
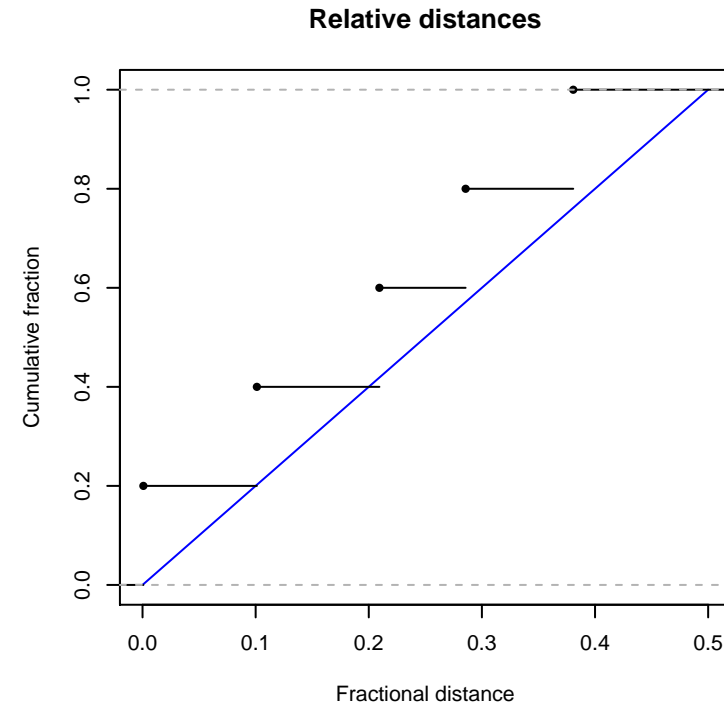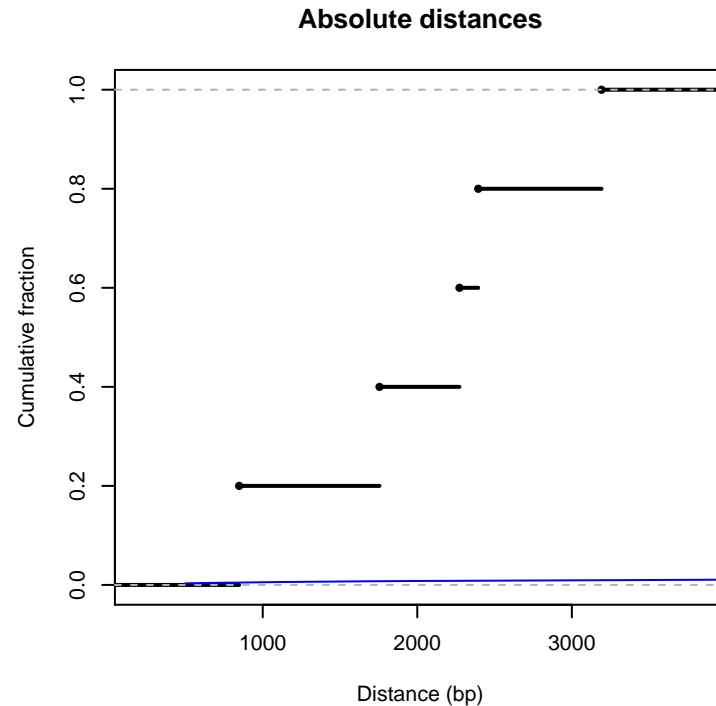Projection test observed to expected ratio : 153.754

pcontig_221

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

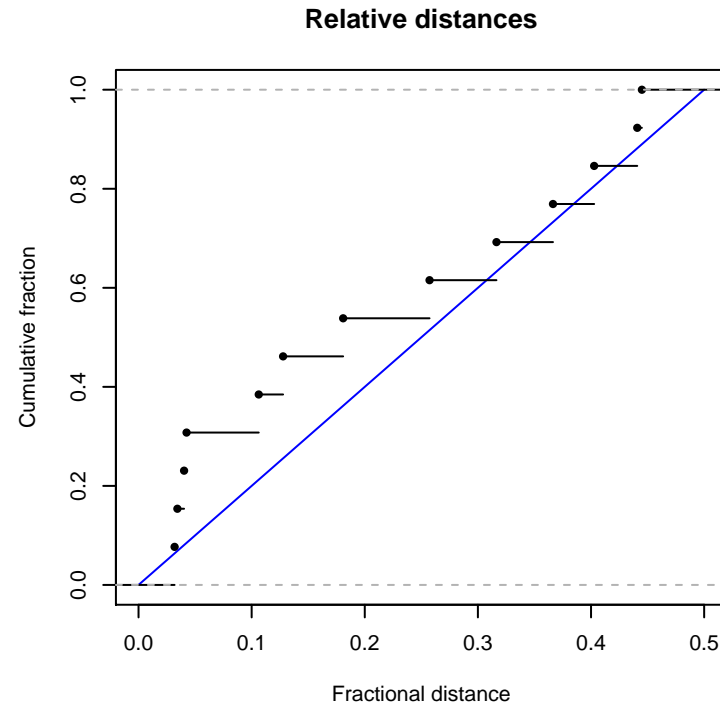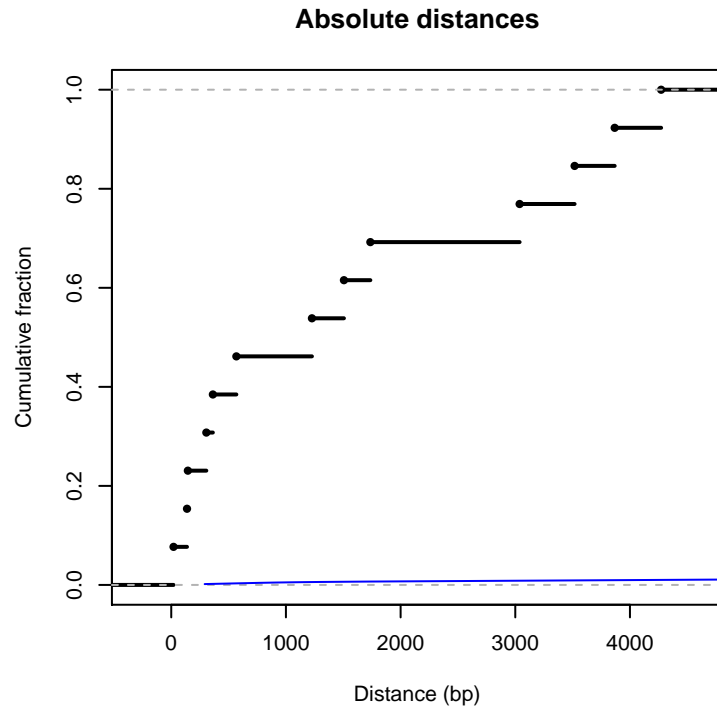**Absolute distances**

Relative distances

pcontig_223

Query population : 5
Reference population : 10
Relative Ks p−value : 0.878347
Relative ecdf deviation area : 0.0548357
Relative ecdf area correlation : 0.217916
Relative ecdf deviation area p−value : 0.67
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000124956
Projection test lower tail : FALSE
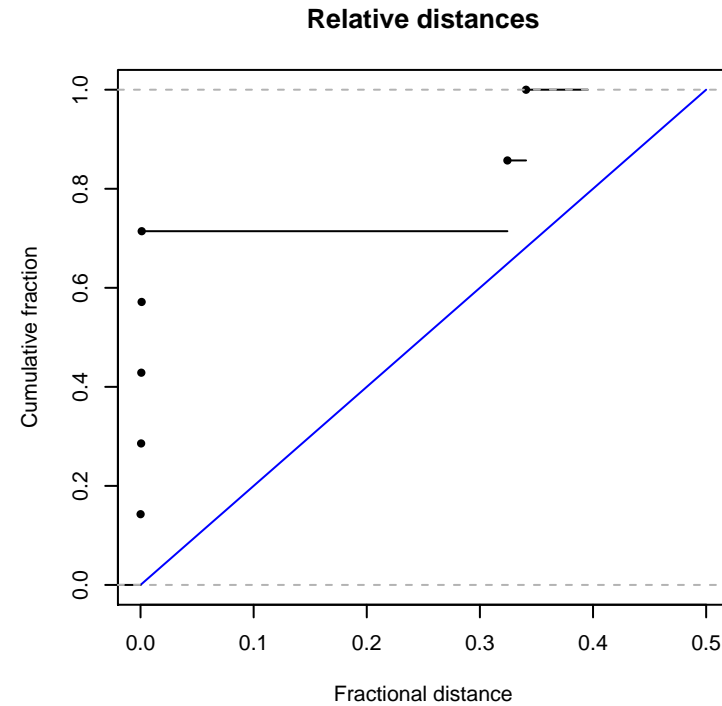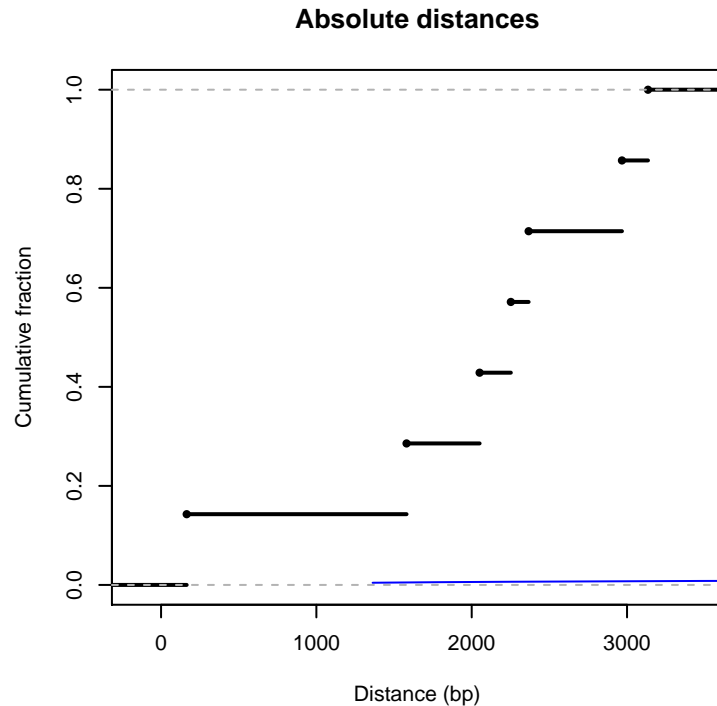Projection test observed to expected ratio : 56.3779

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_225

Query population : 13
Reference population : 9
Relative Ks p−value : 0.47206
Relative ecdf deviation area : 0.0393181
Relative ecdf area correlation : 0.14078
Relative ecdf deviation area p−value : 0.46
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 7.43849e−15
Projection test lower tail : FALSE
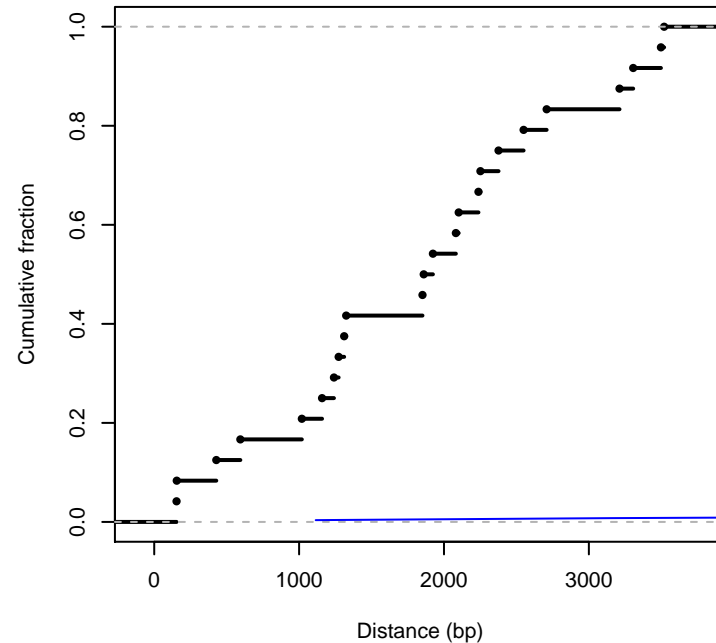Projection test observed to expected ratio : 139.14

pcontig_233

Query population : 7
Reference population : 5
Relative Ks p−value : 0.00041915
Relative ecdf deviation area : 0.153765
Relative ecdf area correlation : 0.618088
Relative ecdf deviation 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 : 0.000301109
Projection test lower tail : FALSE
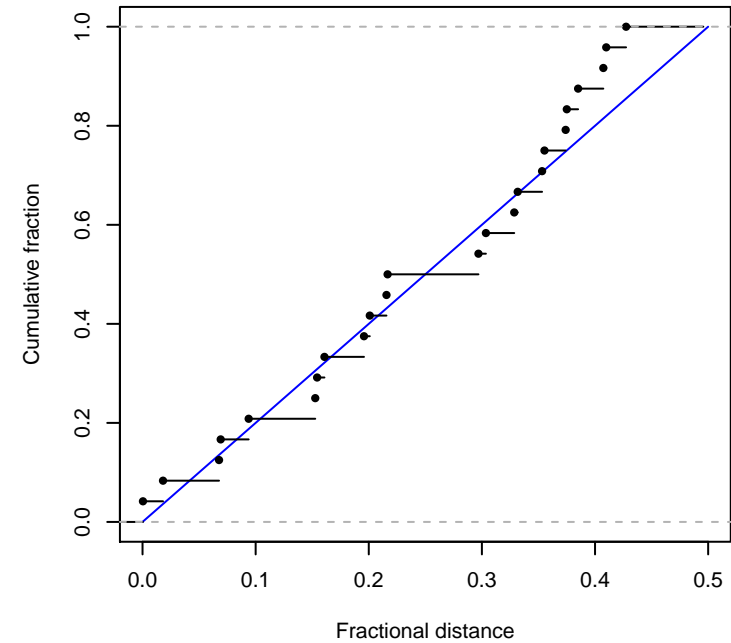Projection test observed to expected ratio : 37.4878

Absolute distances

Relative distances

Absolute distances

Relative distances

pcontig_235

Query population : 24
Reference population : 5
Relative Ks p−value : 0.640843
Relative ecdf deviation area : 0.0221
Relative ecdf area correlation : 0.0176891
Relative ecdf deviation area p−value : 0.67
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : <0.01
Jaccard Measure lower tail : FALSE
Projection test p−value : 0.000506811
Projection test lower tail : FALSE
Projection test observed to expected ratio : 30.4414

Absolute distances

Relative distances

All Chromosomes

Query population : 49155
Reference population : 14347
Relative Ks p−value : 0
Relative ecdf deviation area : 0.023224
Relative ecdf area correlation : −0.0887487
Relative ecdf deviation area p−value : <0.01
Scaled Absolute min. distance p−value : <0.01
Scaled Absolute min. lower tail : TRUE
Jaccard Measure p−value : 0.34
Jaccard Measure lower tail : FALSE
Projection test p−value : 0
Projection test lower tail : FALSE
Projection test observed to expected ratio : 2.02626