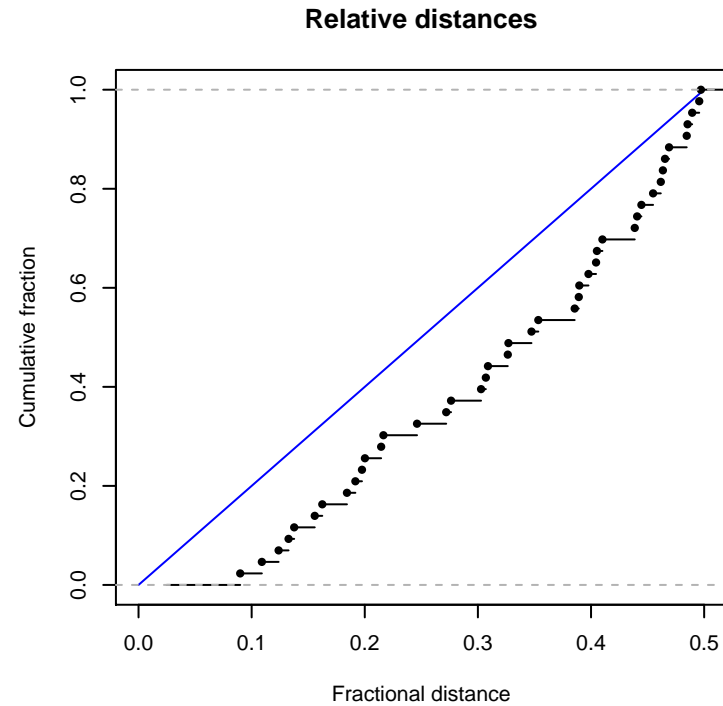
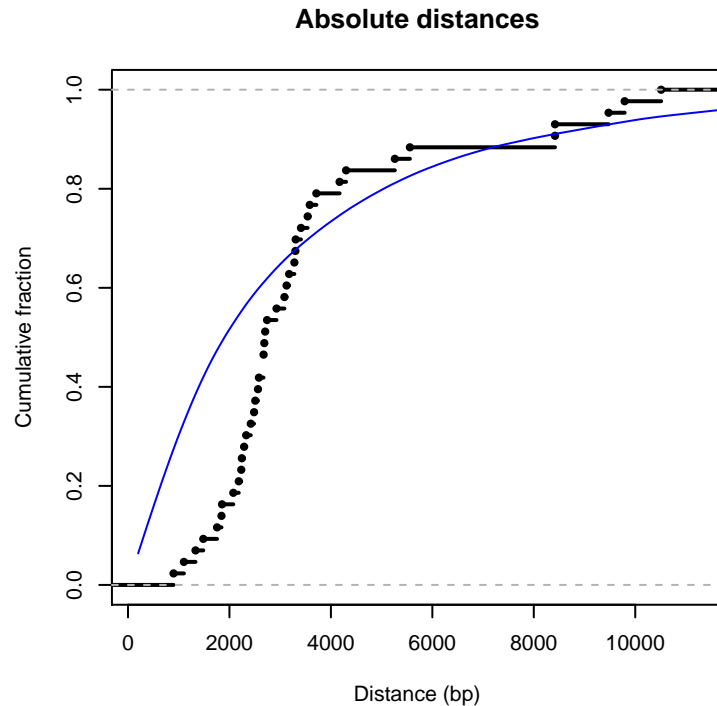


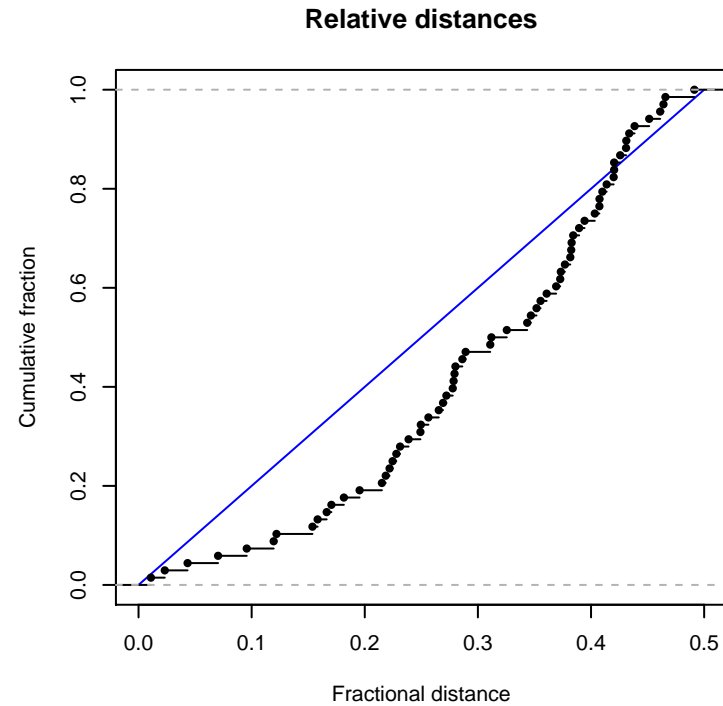
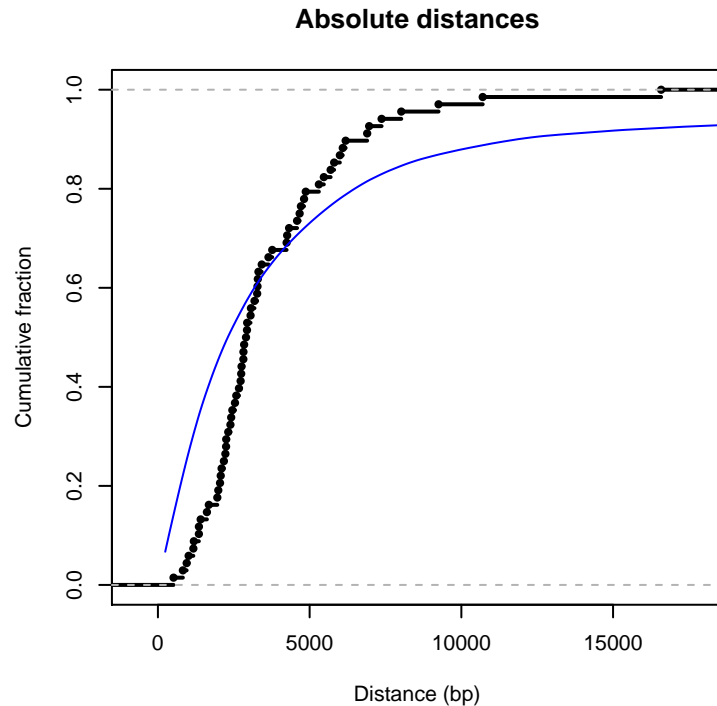
# pcontig\_000

Query population : 43  
Reference population : 487  
Relative Ks p-value : 0.013537  
Relative ecdf deviation area : 0.0767065  
Relative ecdf area correlation : -0.307487  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.35  
Scaled Absolute min. lower tail : FALSE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 8.79025e-06  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



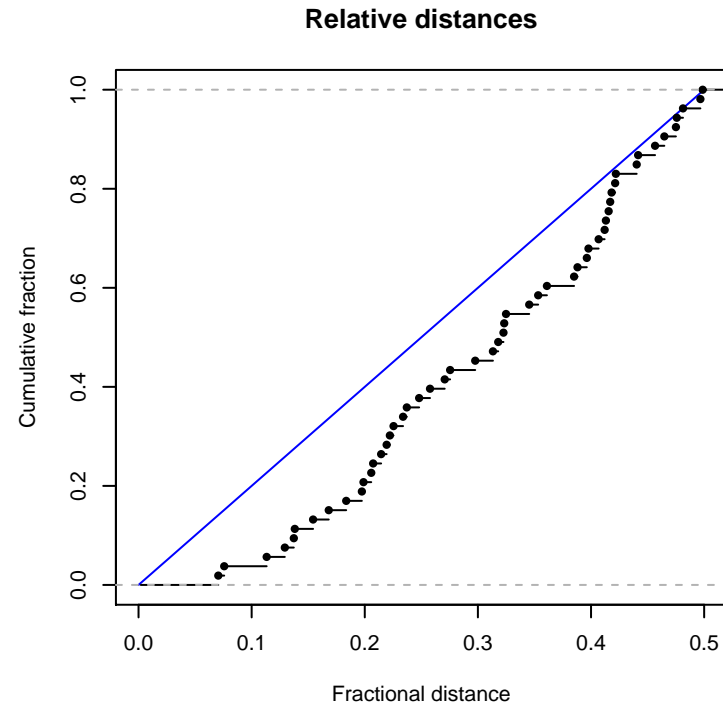
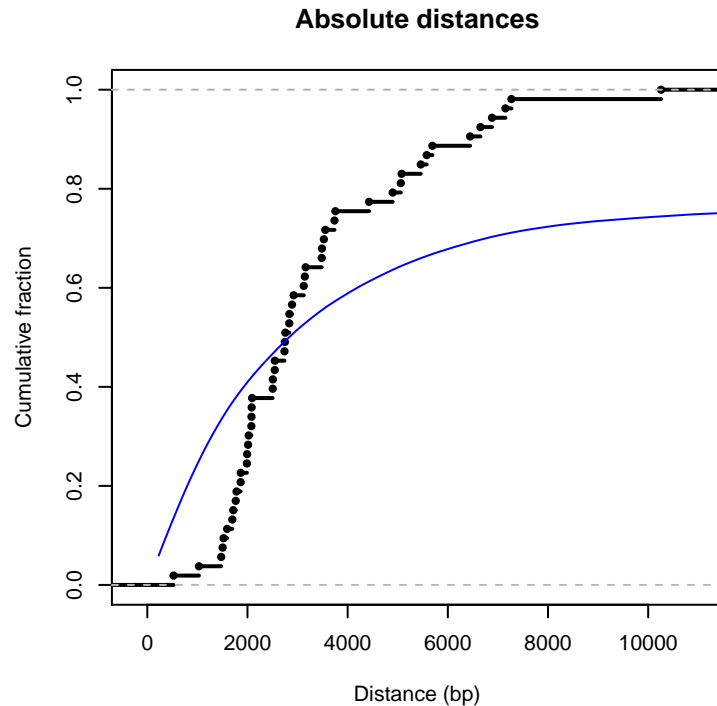
# pcontig\_001

Query population : 68  
Reference population : 427  
Relative Ks p-value : 0.000662792  
Relative ecdf deviation area : 0.0579883  
Relative ecdf area correlation : -0.214858  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 1.52388e-07  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



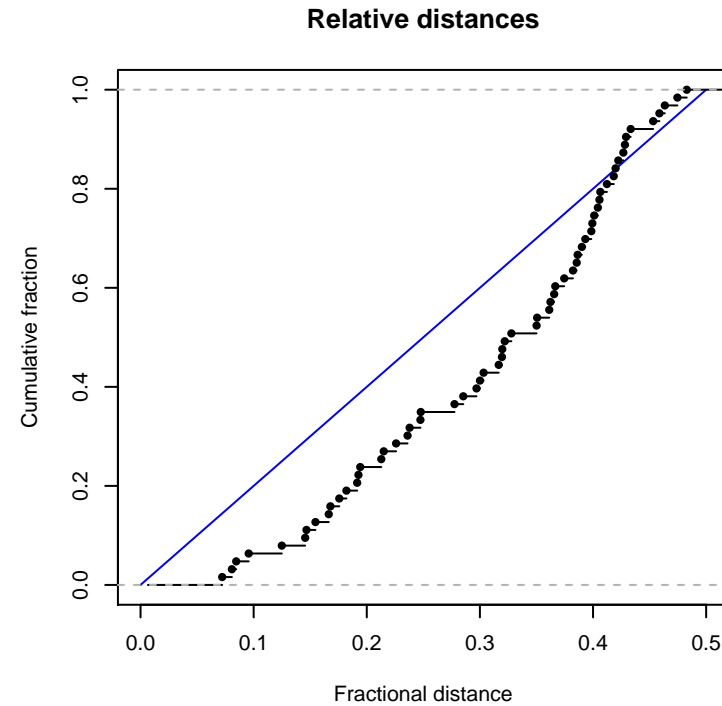
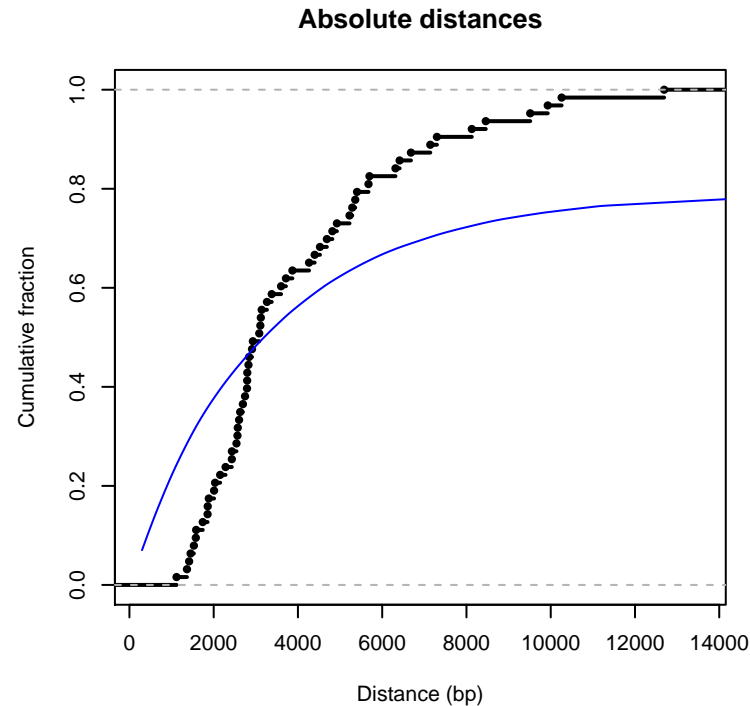
# pcontig\_002

Query population : 53  
Reference population : 400  
Relative Ks p-value : 0.0077131  
Relative ecdf deviation area : 0.0607668  
Relative ecdf area correlation : -0.242798  
Relative ecdf deviation 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 : 4.68586e-06  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



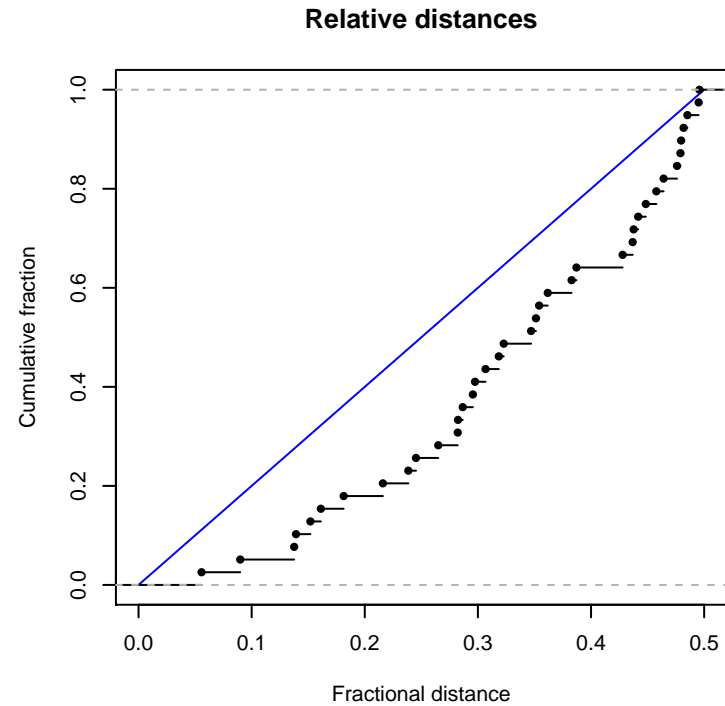
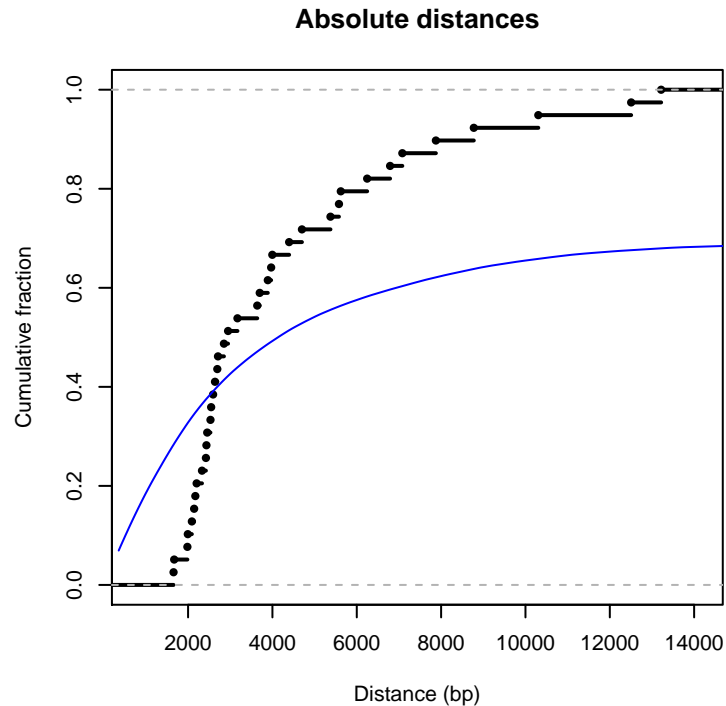
# pcontig\_003

Query population : 63  
Reference population : 360  
Relative Ks p-value : 0.00548144  
Relative ecdf deviation area : 0.0635125  
Relative ecdf area correlation : -0.236458  
Relative ecdf deviation 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 : 1.2875e-05  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



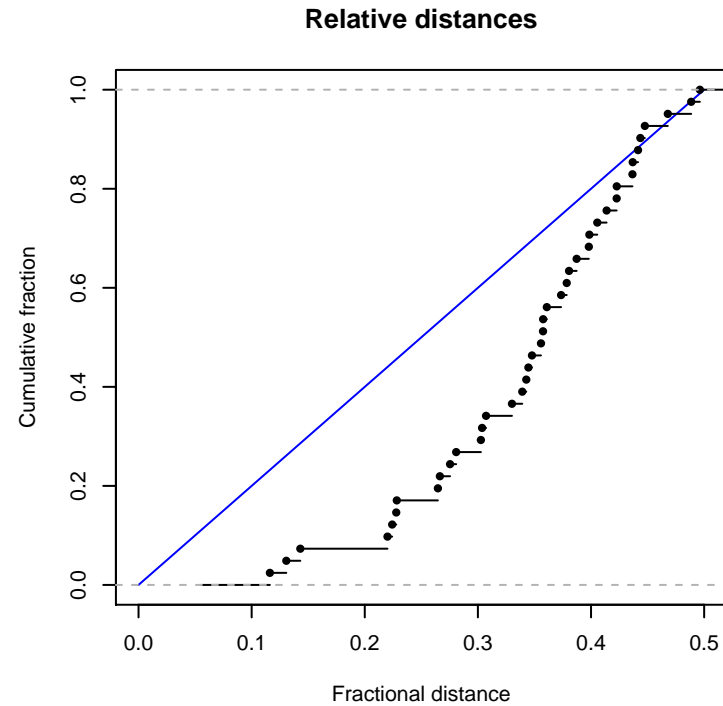
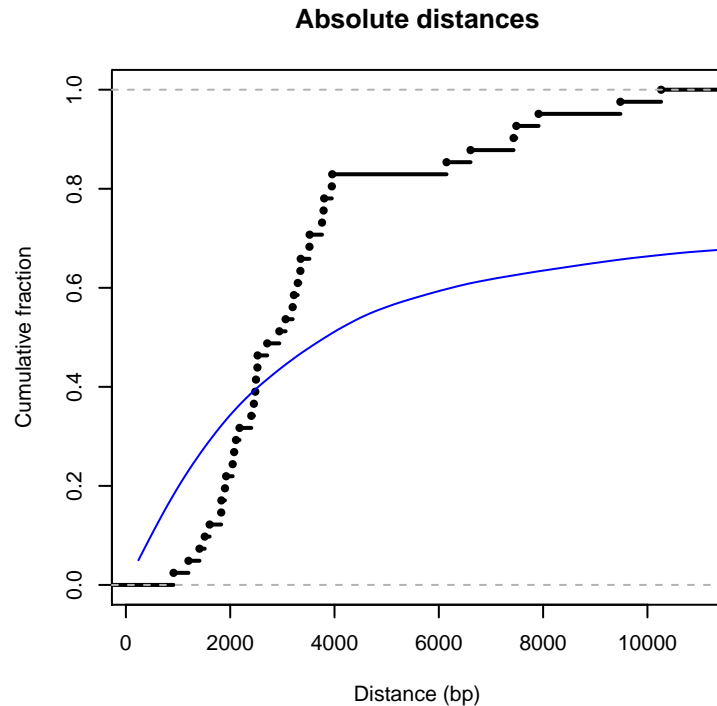
# pcontig\_004

Query population : 39  
Reference population : 300  
Relative Ks p-value : 0.00304729  
Relative ecdf deviation area : 0.082907  
Relative ecdf area correlation : -0.329759  
Relative ecdf deviation 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 : 0.00113641  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_005

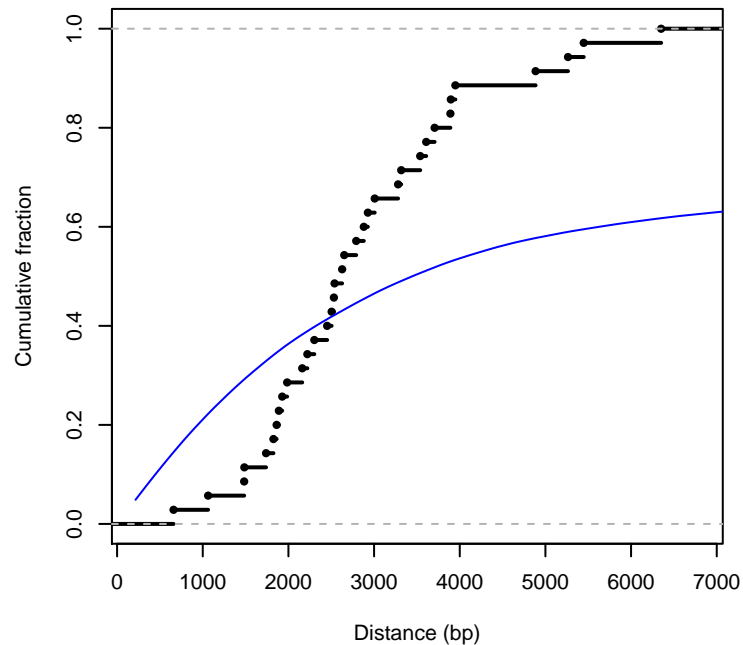
Query population : 41  
Reference population : 318  
Relative Ks p-value : 1.84952e-05  
Relative ecdf deviation area : 0.0938069  
Relative ecdf area correlation : -0.372429  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0004014  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



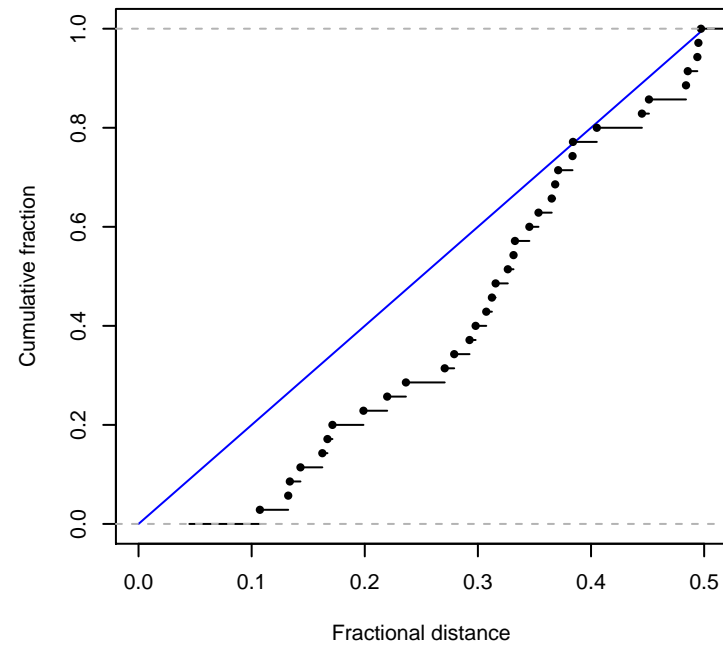
# pcontig\_006

Query population : 35  
Reference population : 347  
Relative Ks p-value : 0.0166932  
Relative ecdf deviation area : 0.0664368  
Relative ecdf area correlation : -0.264803  
Relative ecdf deviation 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 : 0.00141589  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances



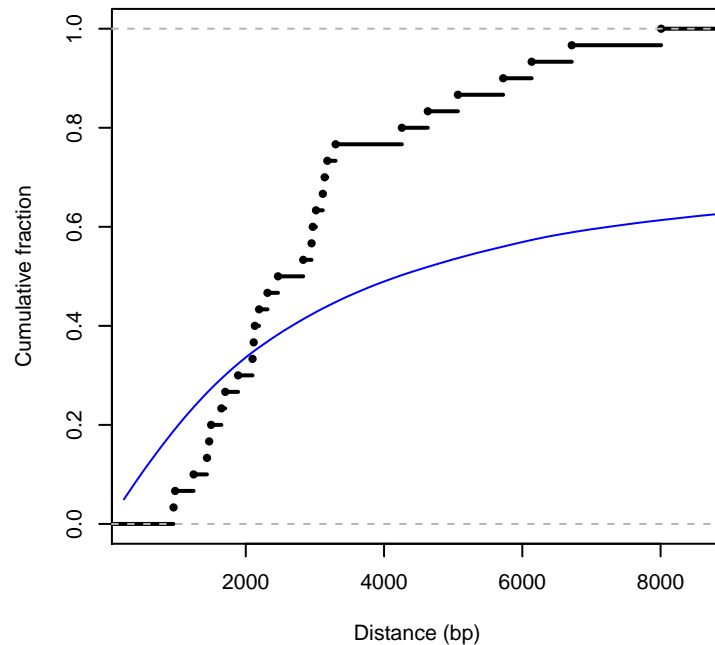
Relative distances



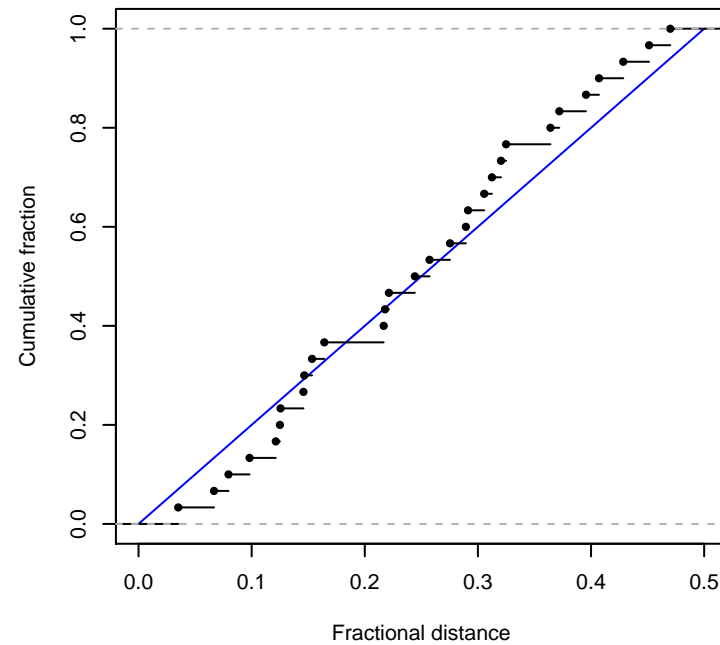
# pcontig\_007

Query population : 30  
Reference population : 320  
Relative Ks p-value : 0.764796  
Relative ecdf deviation area : 0.0233396  
Relative ecdf area correlation : 0.0097671  
Relative ecdf deviation area p-value : 0.65  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0064187  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances



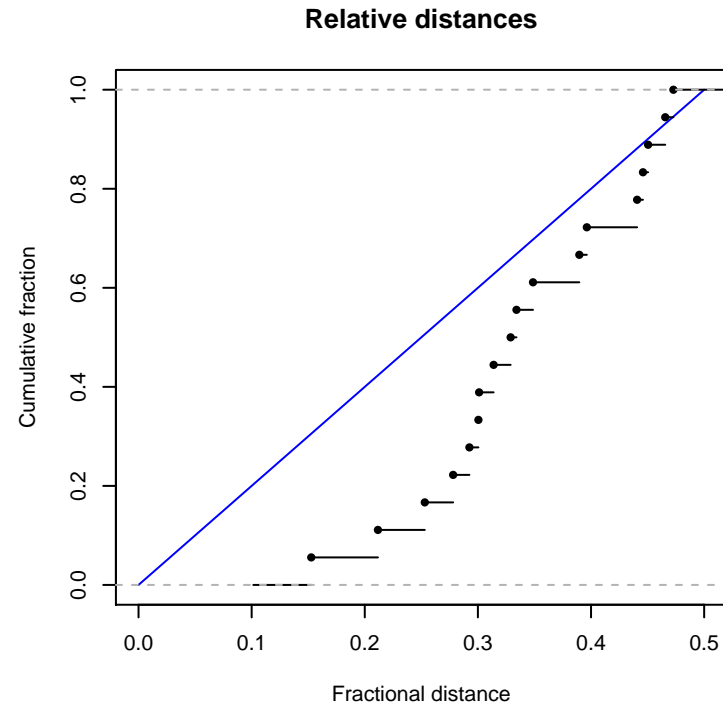
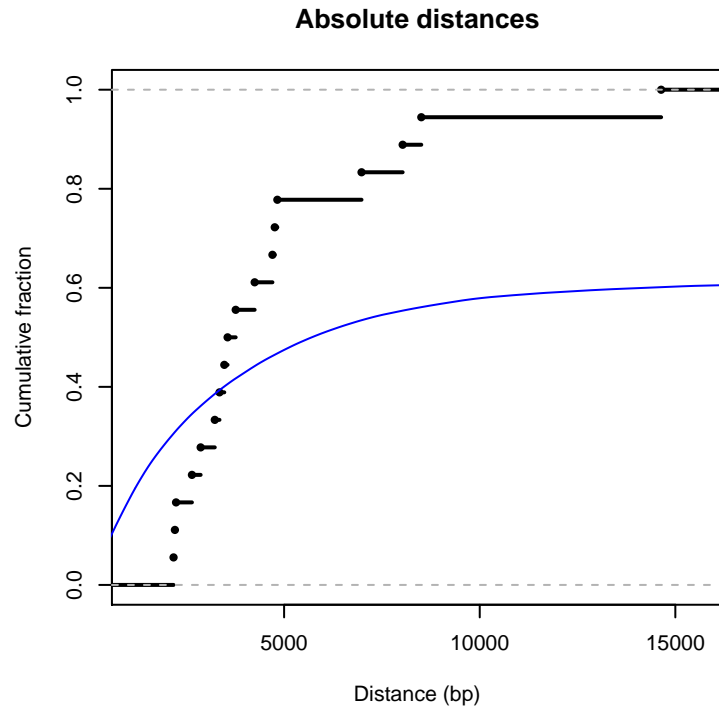
Relative distances





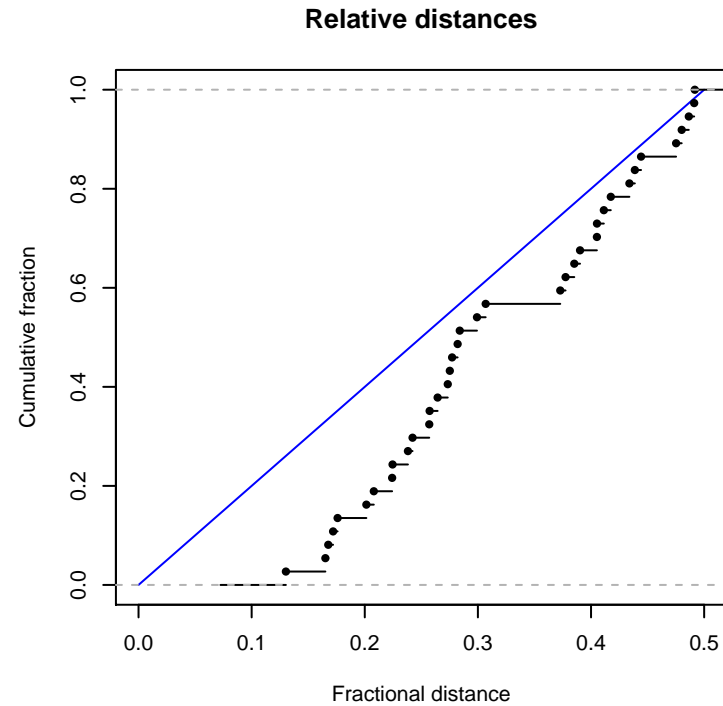
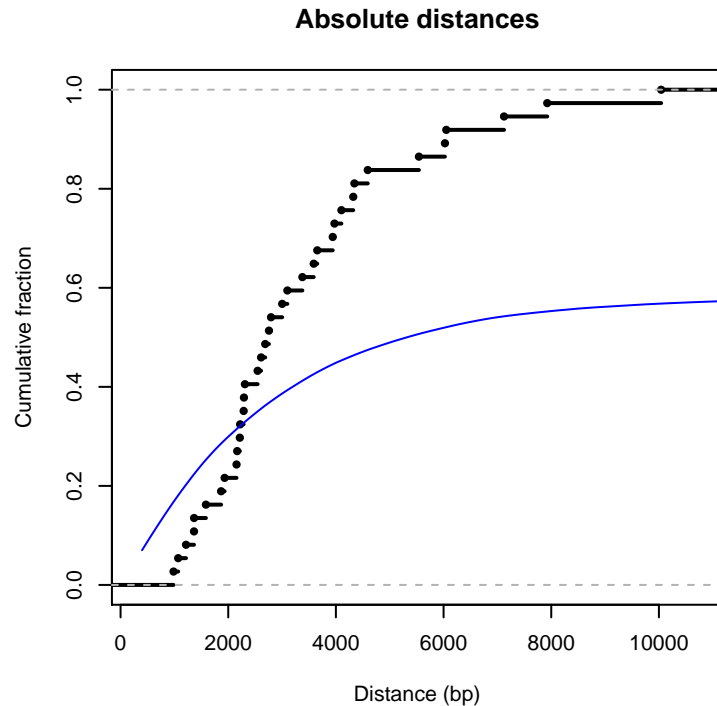
# pcontig\_008

Query population : 18  
Reference population : 267  
Relative Ks p-value : 0.0048145  
Relative ecdf deviation area : 0.0948207  
Relative ecdf area correlation : -0.37259  
Relative ecdf deviation 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 : 0.0627402  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



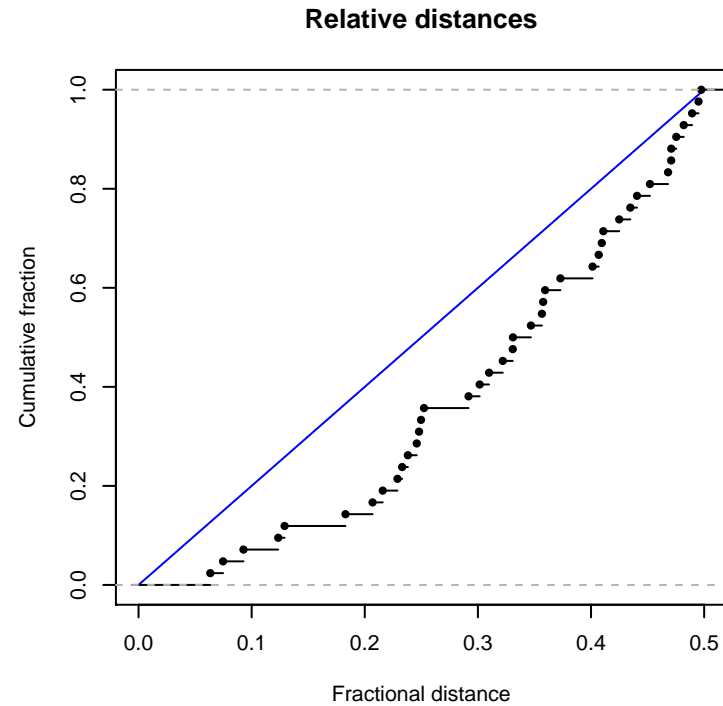
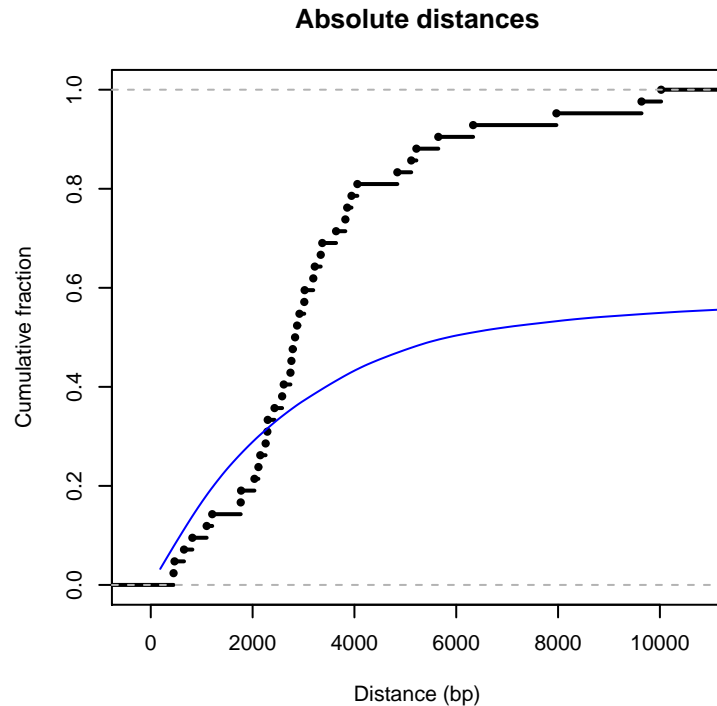
# pcontig\_009

Query population : 37  
Reference population : 269  
Relative Ks p-value : 0.00161855  
Relative ecdf deviation area : 0.0701802  
Relative ecdf area correlation : -0.279219  
Relative ecdf deviation 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 : 0.00114573  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



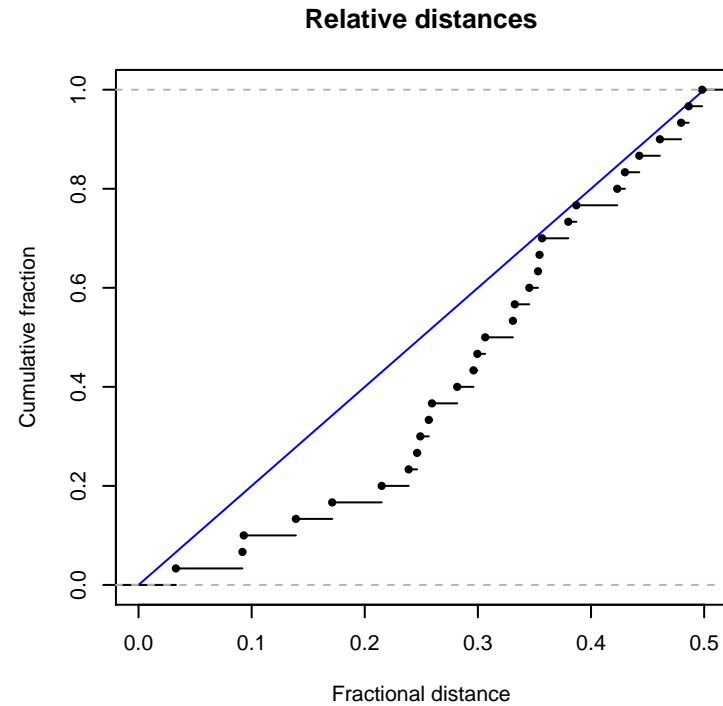
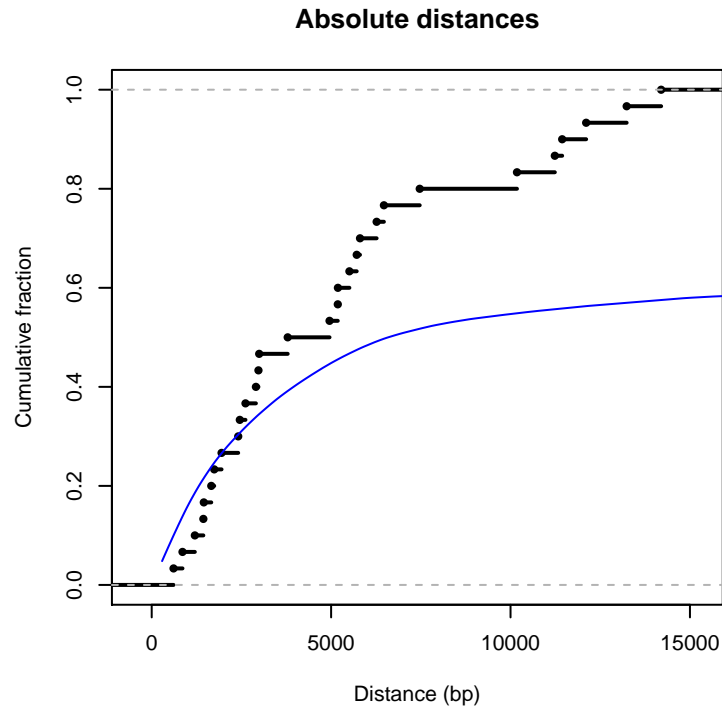
# pcontig\_010

Query population : 42  
Reference population : 267  
Relative Ks p-value : 0.00324966  
Relative ecdf deviation area : 0.0758857  
Relative ecdf area correlation : -0.30435  
Relative ecdf deviation 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 : 0.00367689  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



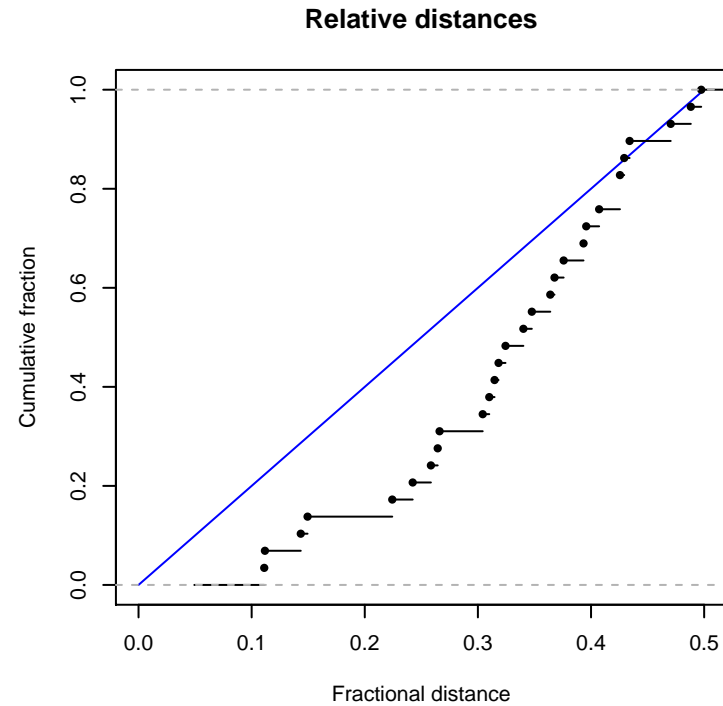
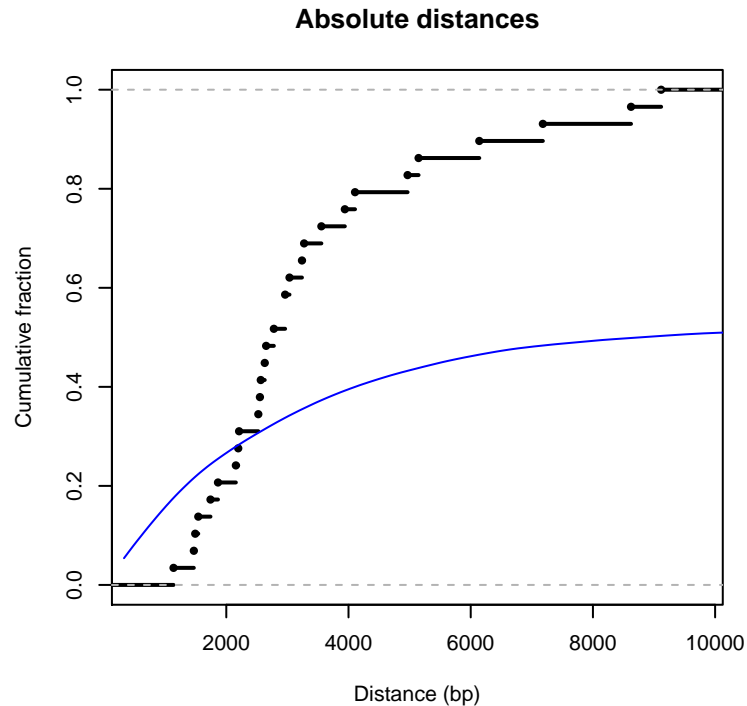
# pcontig\_011

Query population : 30  
Reference population : 255  
Relative Ks p-value : 0.0155202  
Relative ecdf deviation area : 0.0582202  
Relative ecdf area correlation : -0.231744  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.010956  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_012

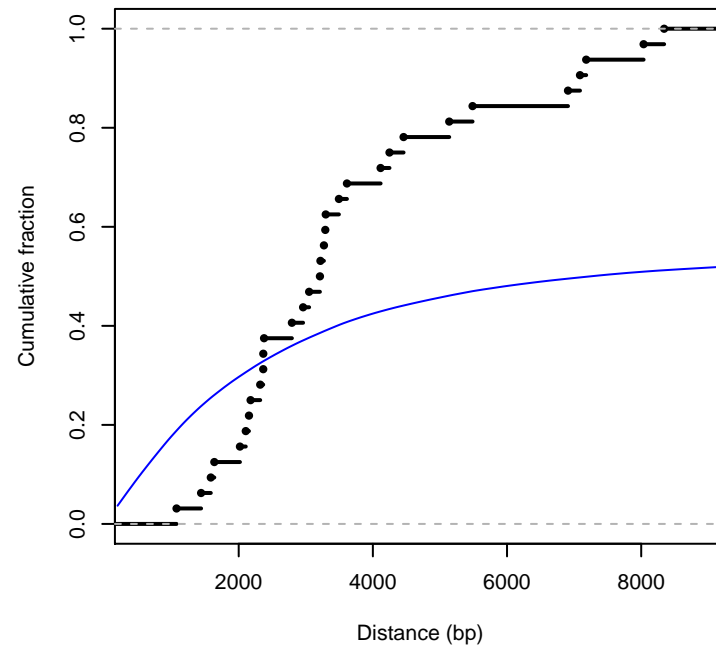
Query population : 29  
Reference population : 254  
Relative Ks p-value : 0.00519409  
Relative ecdf deviation area : 0.078239  
Relative ecdf area correlation : -0.311098  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0216851  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



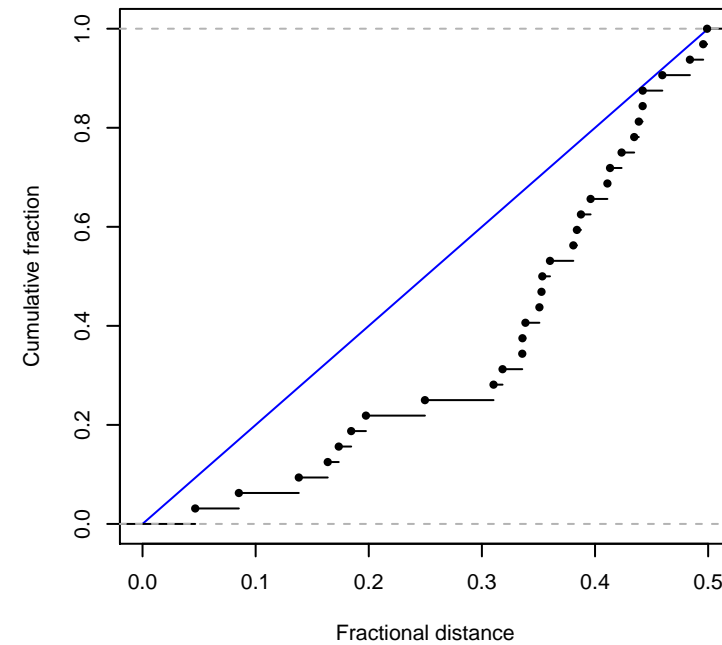
# pcontig\_013

Query population : 32  
Reference population : 290  
Relative Ks p-value : 0.000188346  
Relative ecdf deviation area : 0.0875691  
Relative ecdf area correlation : -0.348267  
Relative ecdf deviation 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 : 0.00831831  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances



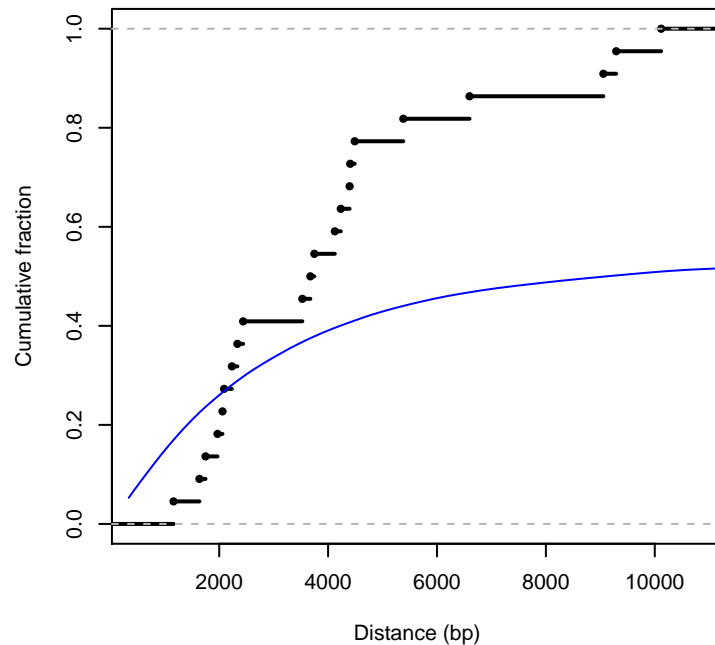
Relative distances



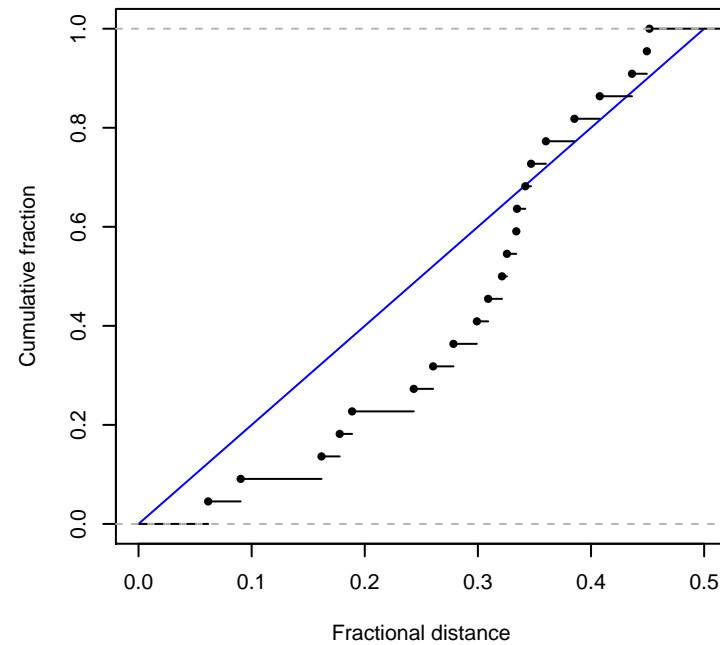
# pcontig\_014

Query population : 22  
Reference population : 239  
Relative Ks p-value : 0.0857309  
Relative ecdf deviation area : 0.0582882  
Relative ecdf area correlation : -0.193669  
Relative ecdf deviation area p-value : 0.06000000000000001  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0576796  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

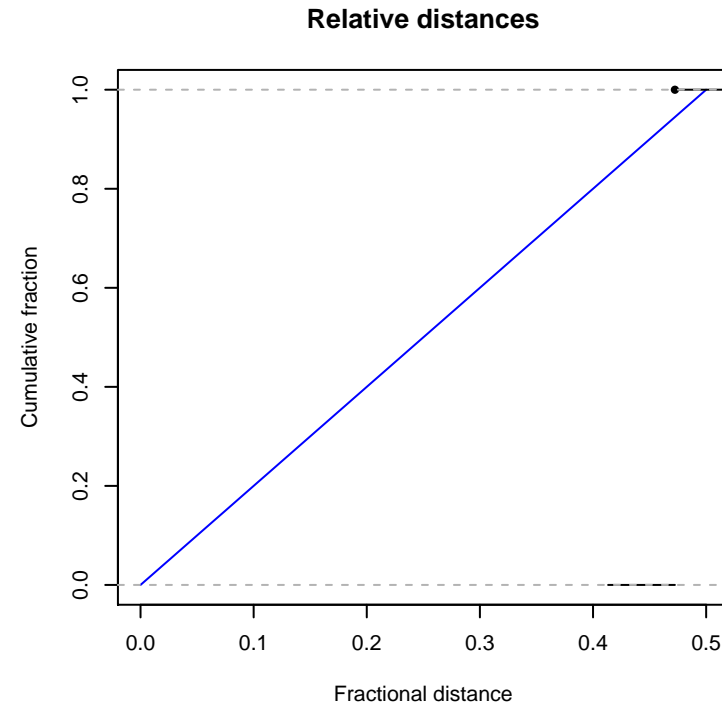
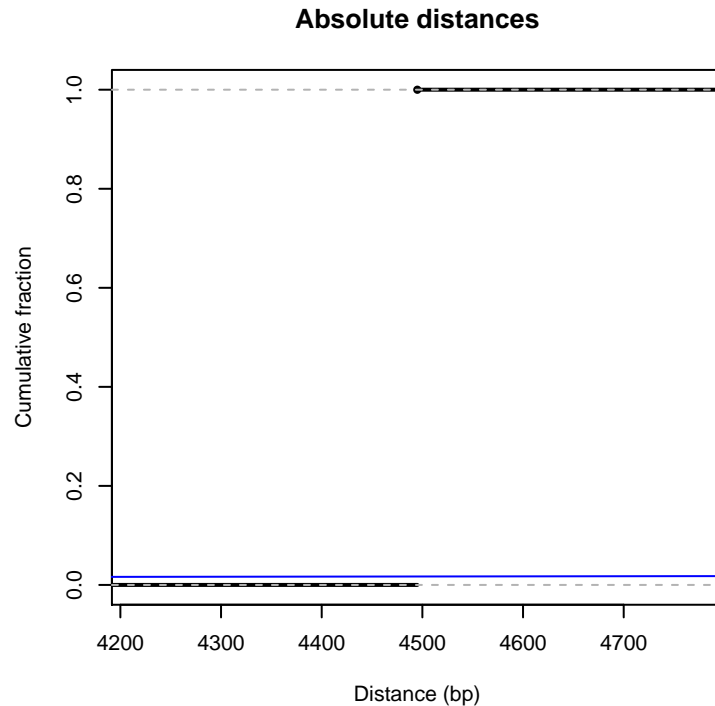


Relative distances



# pcontig\_015

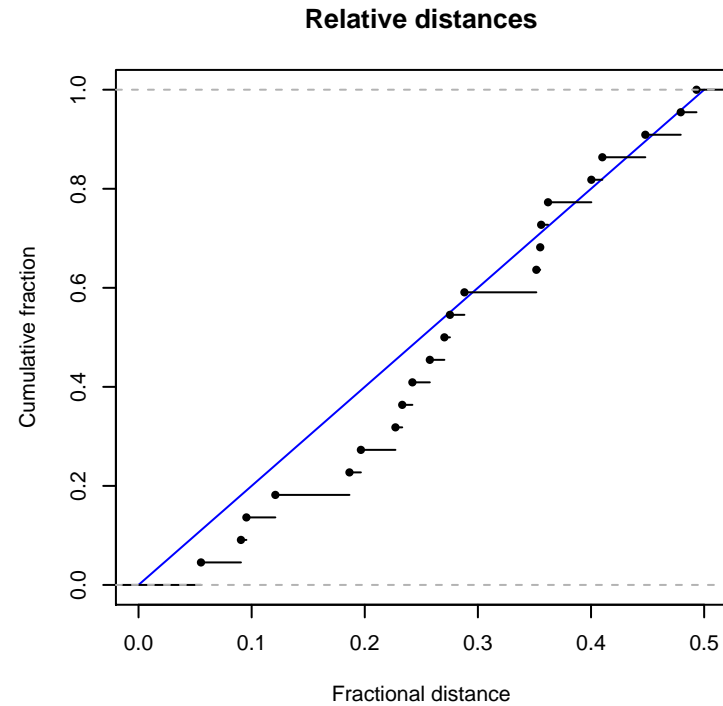
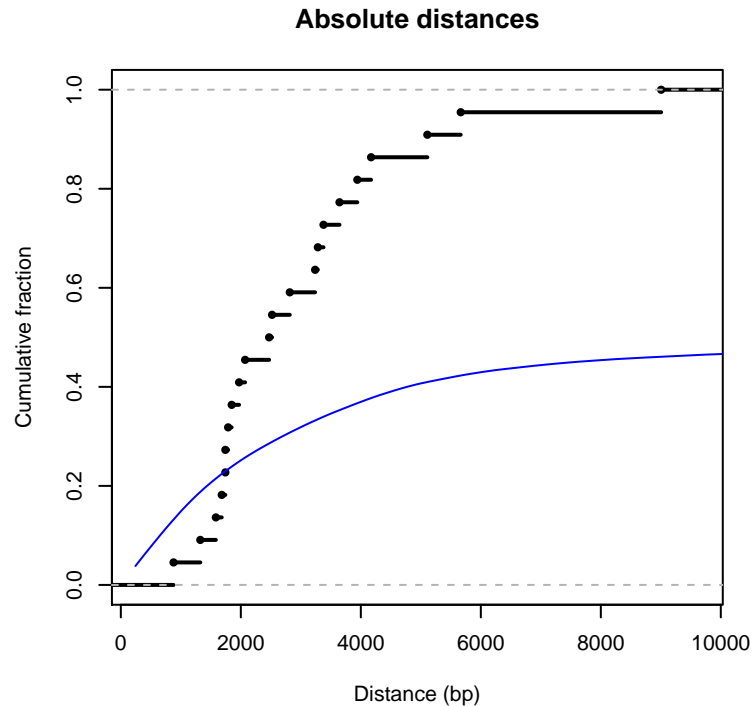
Query population : 1  
Reference population : 8  
Relative Ks p-value : 0.110451  
Relative ecdf deviation area : 0.22439  
Relative ecdf area correlation : -0.889549  
Relative ecdf deviation area p-value : 0.09  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0023868  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





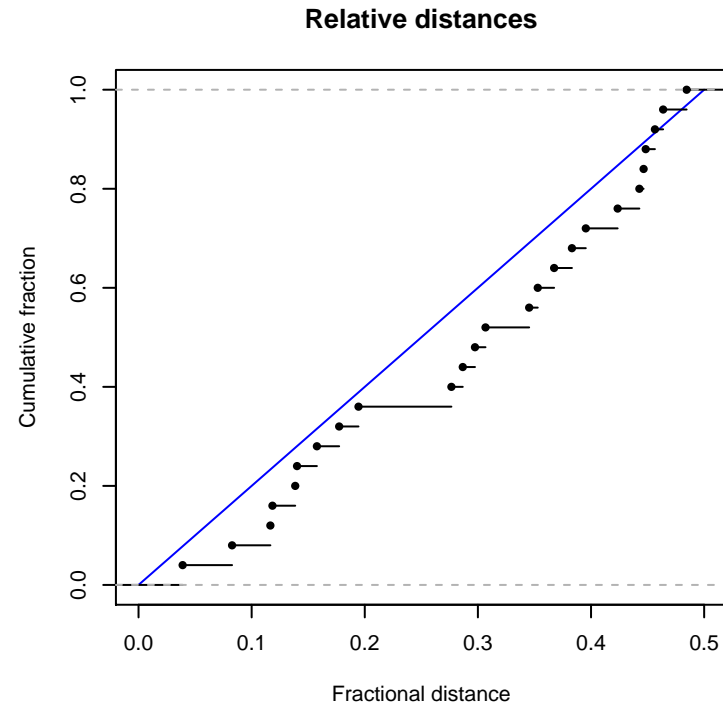
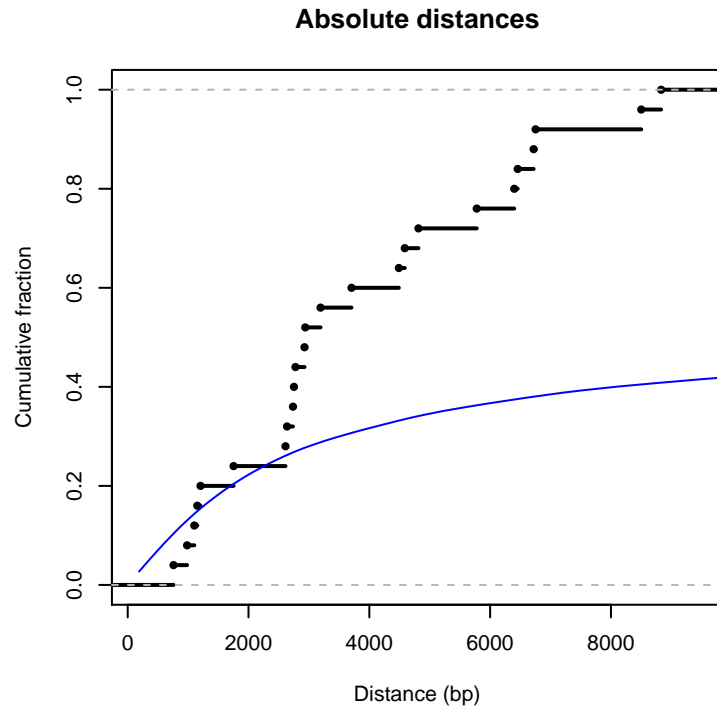
# pcontig\_016

Query population : 22  
Reference population : 240  
Relative Ks p-value : 0.352383  
Relative ecdf deviation area : 0.0342405  
Relative ecdf area correlation : -0.126208  
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 : TRUE  
Projection test p-value : 0.0495197  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



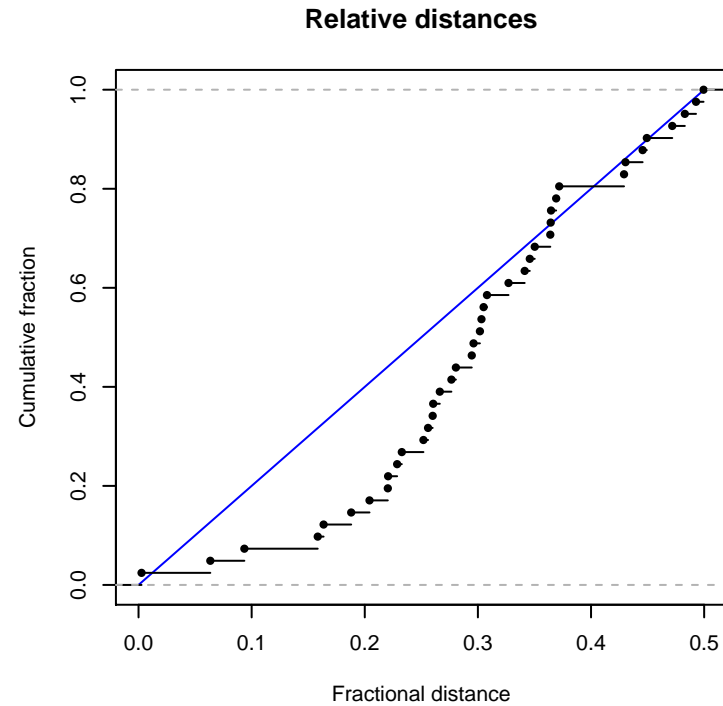
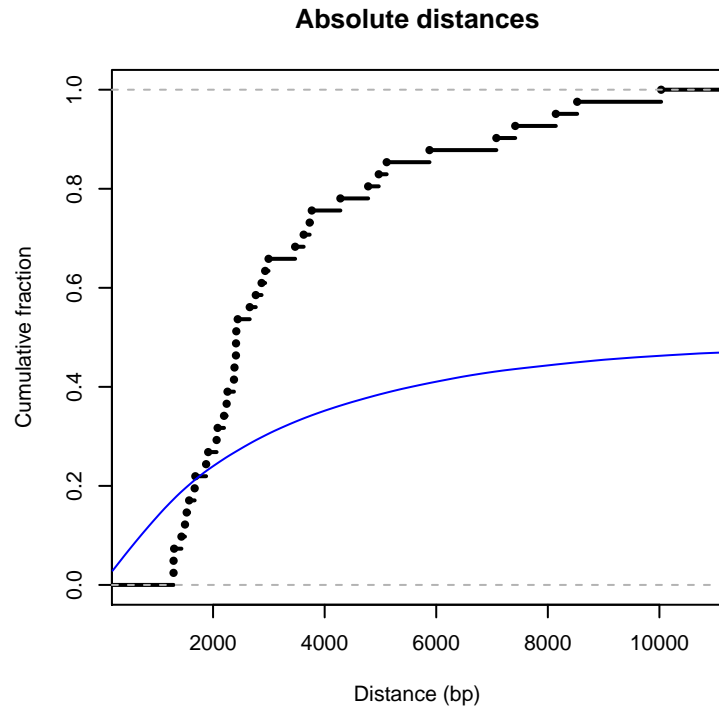
# pcontig\_017

Query population : 25  
Reference population : 219  
Relative Ks p-value : 0.271684  
Relative ecdf deviation area : 0.044421  
Relative ecdf area correlation : -0.174737  
Relative ecdf deviation area p-value : 0.18  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0561591  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



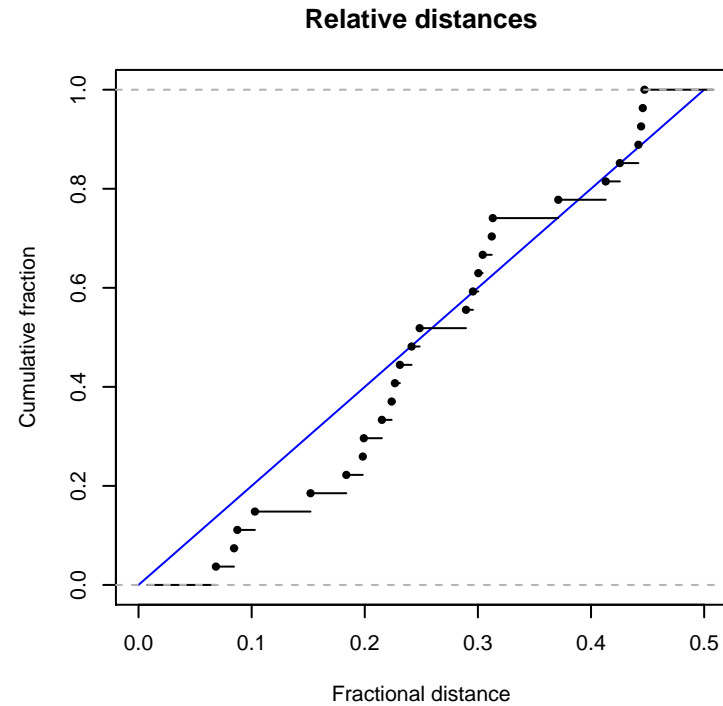
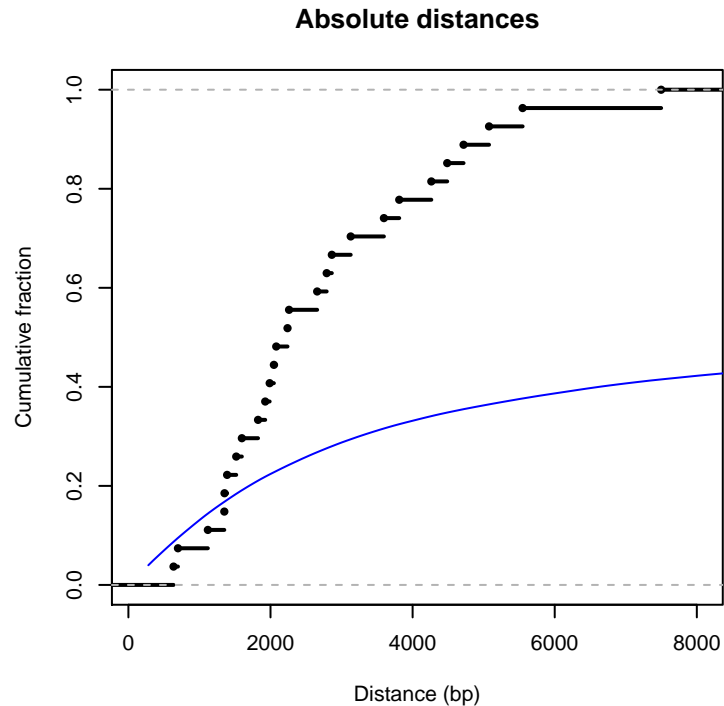
# pcontig\_018

Query population : 41  
Reference population : 221  
Relative Ks p-value : 0.00395049  
Relative ecdf deviation area : 0.0532009  
Relative ecdf area correlation : -0.203596  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0137667  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



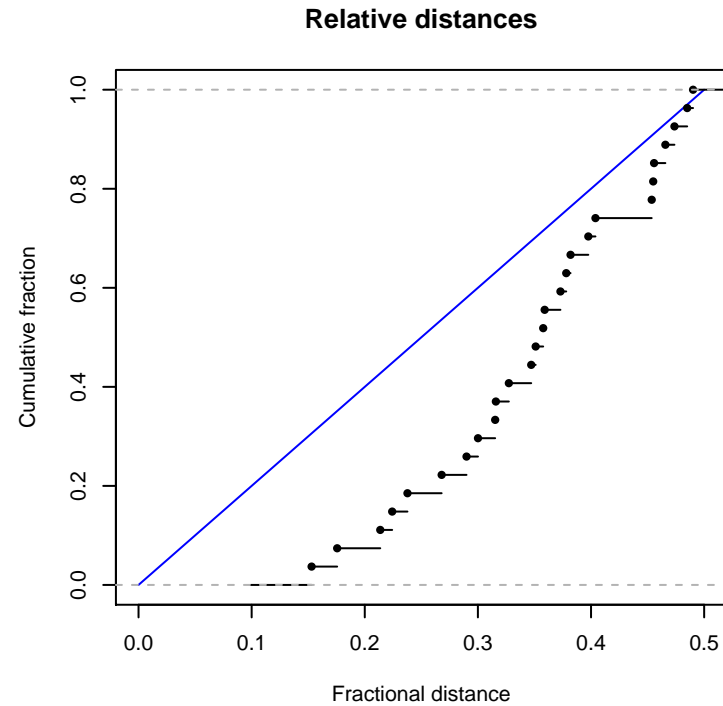
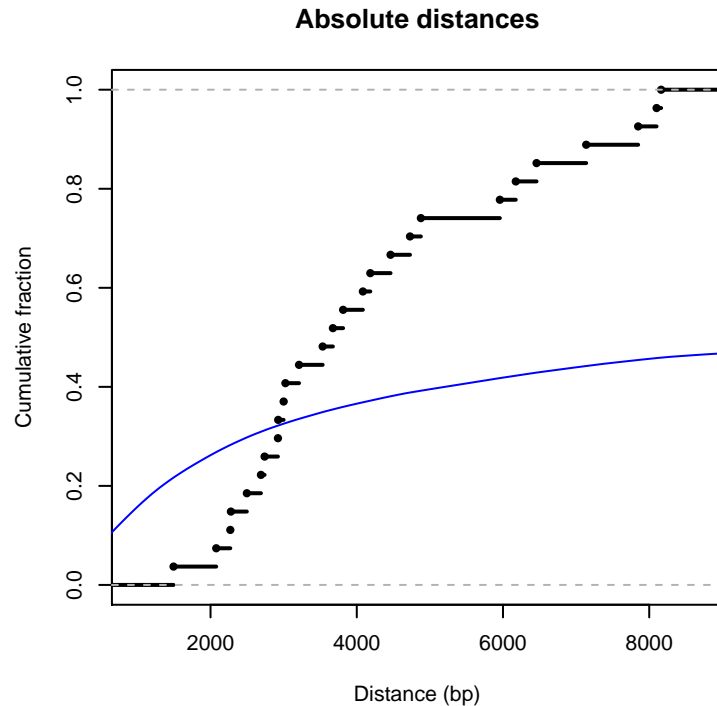
# pcontig\_019

Query population : 27  
Reference population : 217  
Relative Ks p-value : 0.294676  
Relative ecdf deviation area : 0.0334543  
Relative ecdf area correlation : -0.0765017  
Relative ecdf deviation area p-value : 0.36  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0590747  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



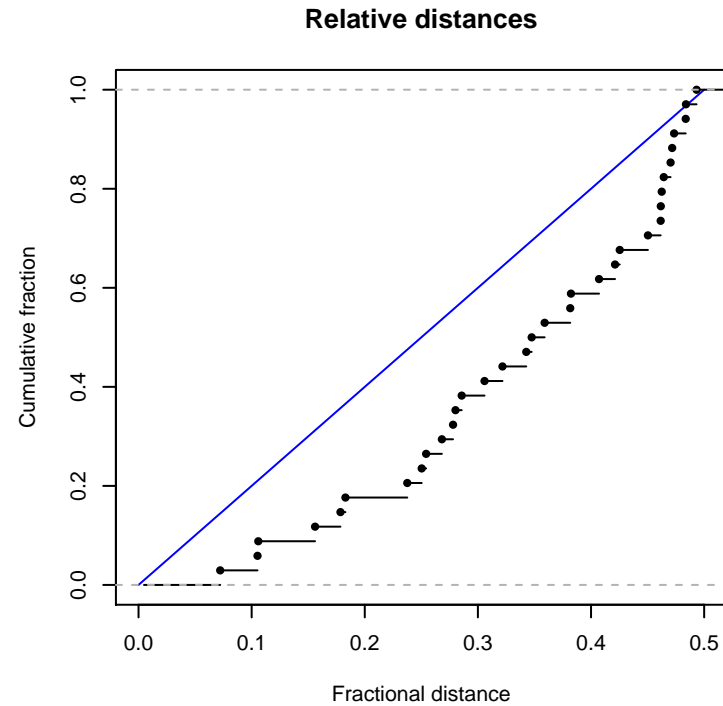
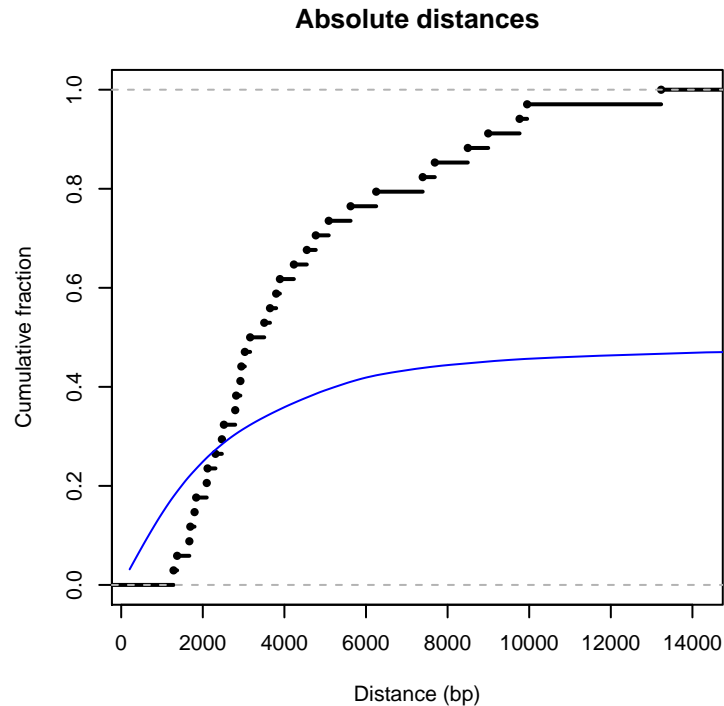
# pcontig\_020

Query population : 27  
Reference population : 255  
Relative Ks p-value : 0.00134316  
Relative ecdf deviation area : 0.10018  
Relative ecdf area correlation : -0.399877  
Relative ecdf deviation 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 : 0.0336199  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



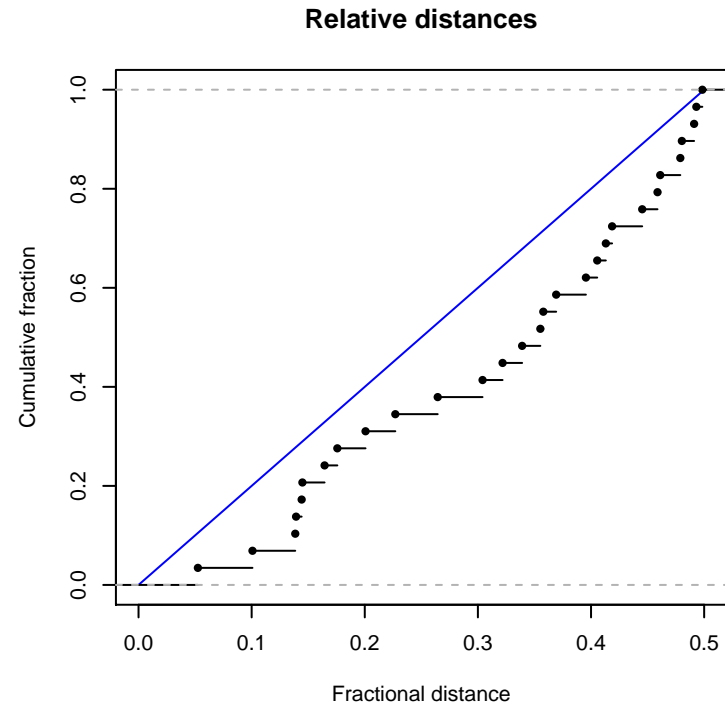
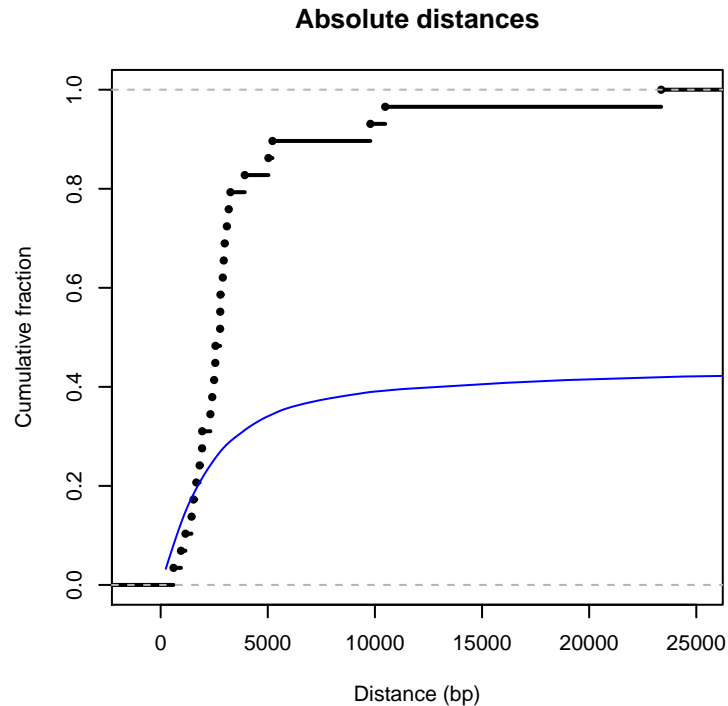
# pcontig\_021

Query population : 34  
Reference population : 233  
Relative Ks p-value : 0.00348076  
Relative ecdf deviation area : 0.0891816  
Relative ecdf area correlation : -0.356001  
Relative ecdf deviation 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 : 0.00933748  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



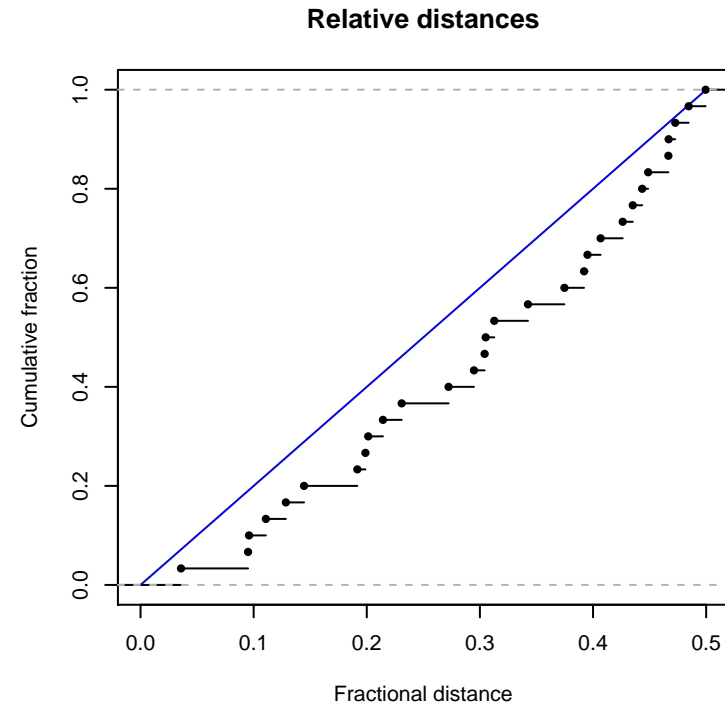
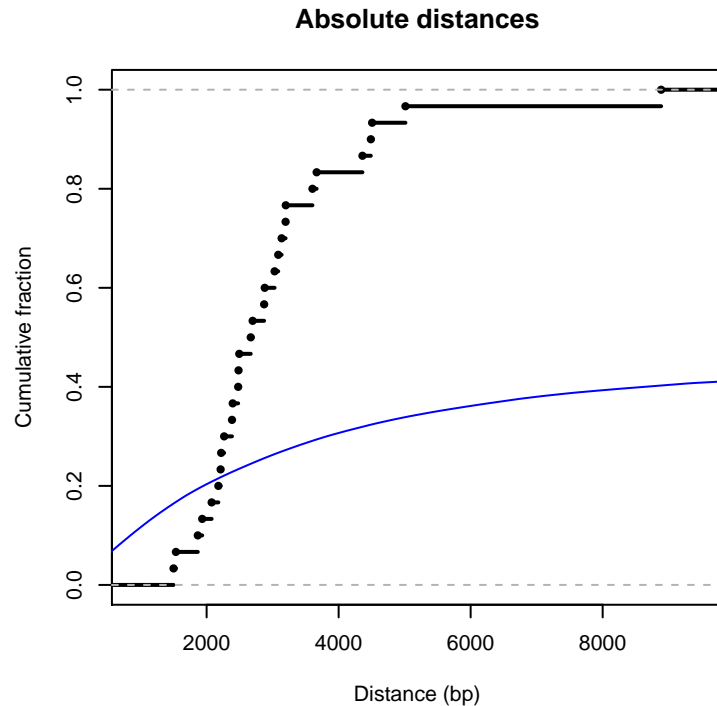
# pcontig\_022

Query population : 29  
Reference population : 209  
Relative Ks p-value : 0.0788066  
Relative ecdf deviation area : 0.0683251  
Relative ecdf area correlation : -0.274402  
Relative ecdf deviation area p-value : 0.05  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0405447  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_023

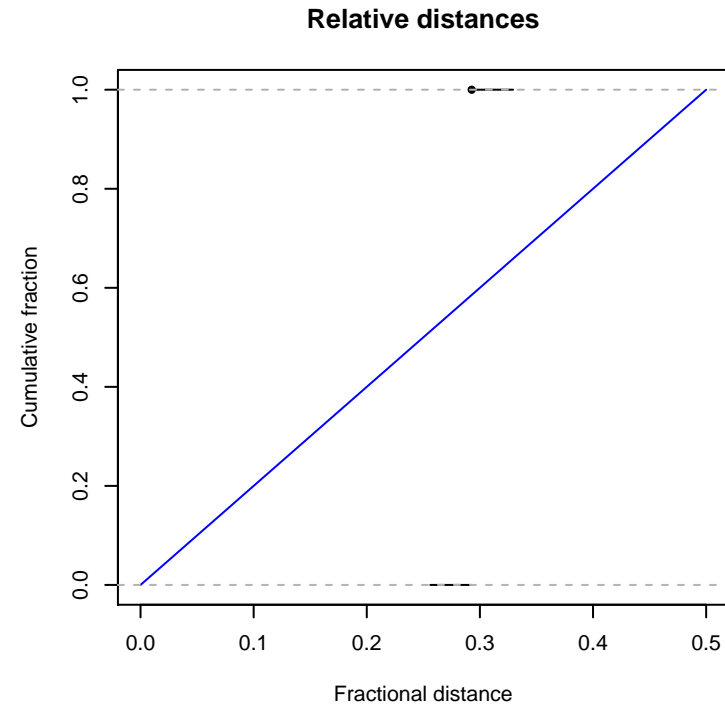
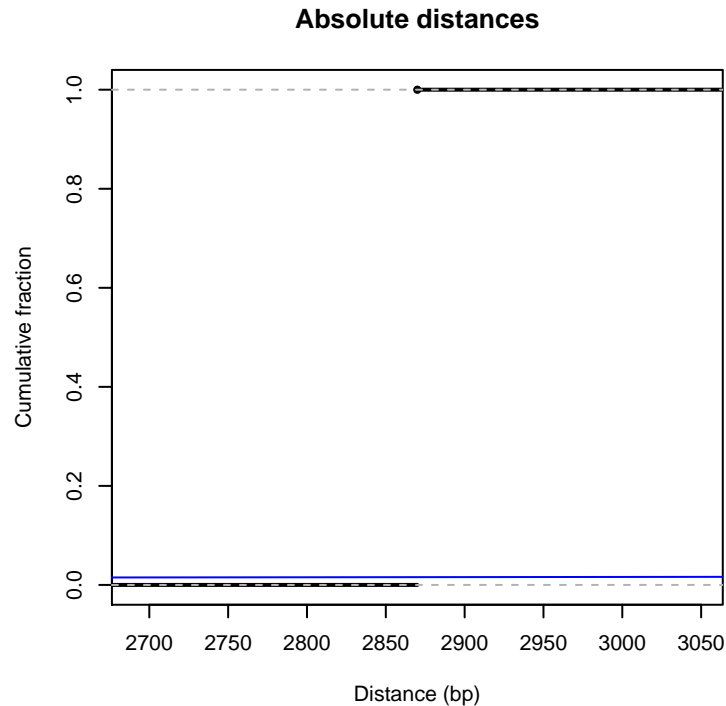
Query population : 30  
Reference population : 190  
Relative Ks p-value : 0.203763  
Relative ecdf deviation area : 0.0568308  
Relative ecdf area correlation : -0.225512  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0470875  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





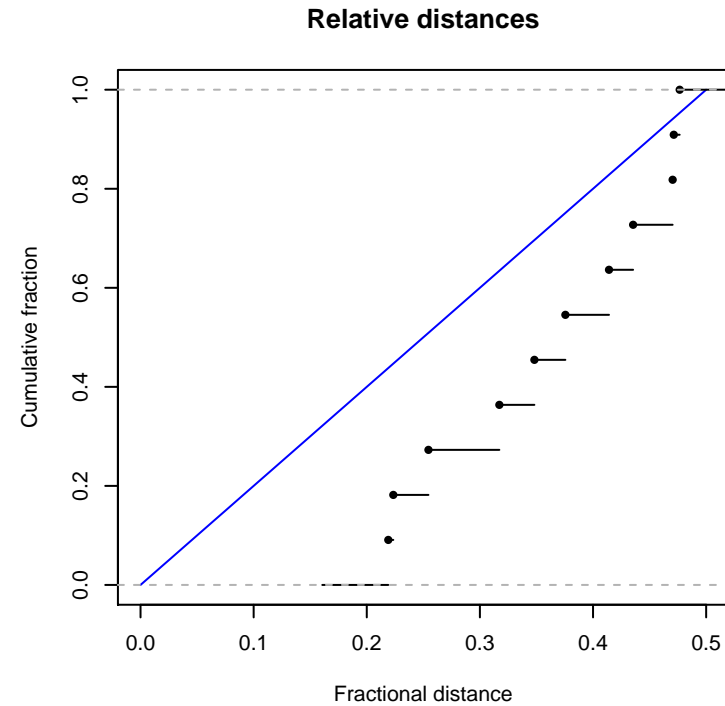
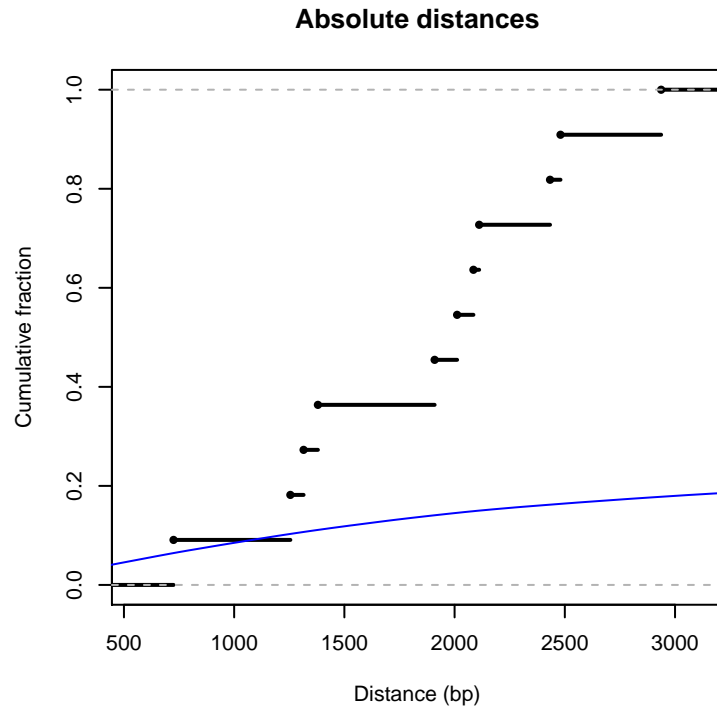
# pcontig\_024

Query population : 1  
Reference population : 14  
Relative Ks p-value : 0.82899  
Relative ecdf deviation area : 0.128637  
Relative ecdf area correlation : -0.17101  
Relative ecdf deviation area p-value : 0.83  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00547079  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



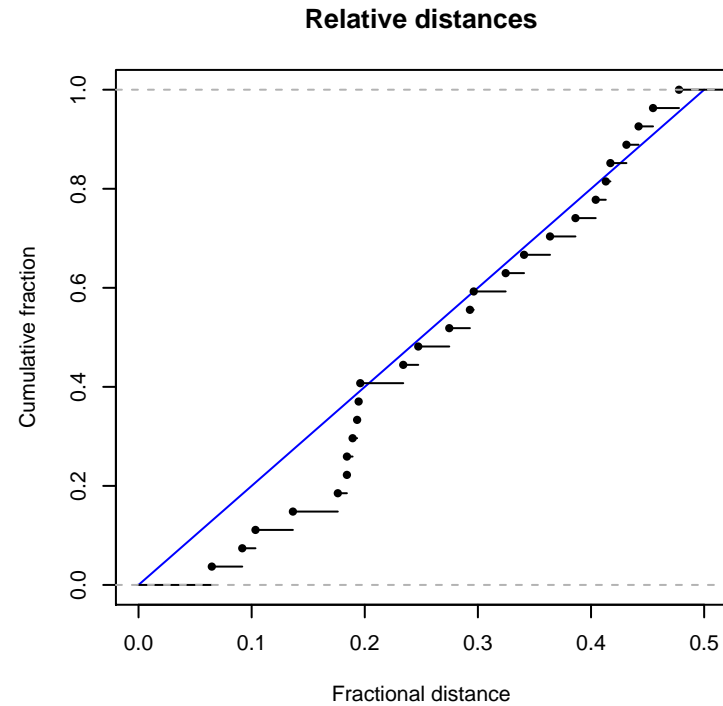
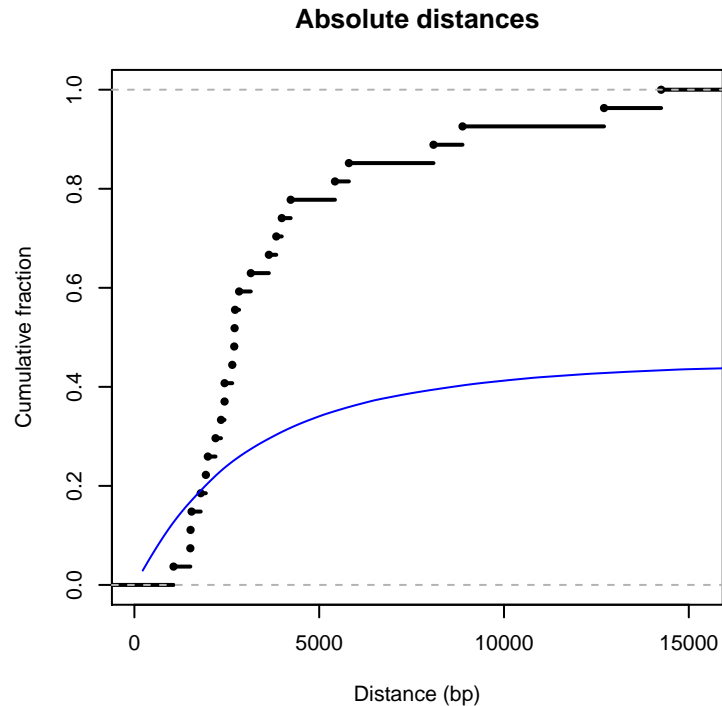
# pcontig\_025

Query population : 11  
Reference population : 145  
Relative Ks p-value : 0.0194346  
Relative ecdf deviation area : 0.116102  
Relative ecdf area correlation : -0.456675  
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 : 0.28  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.47006  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_026

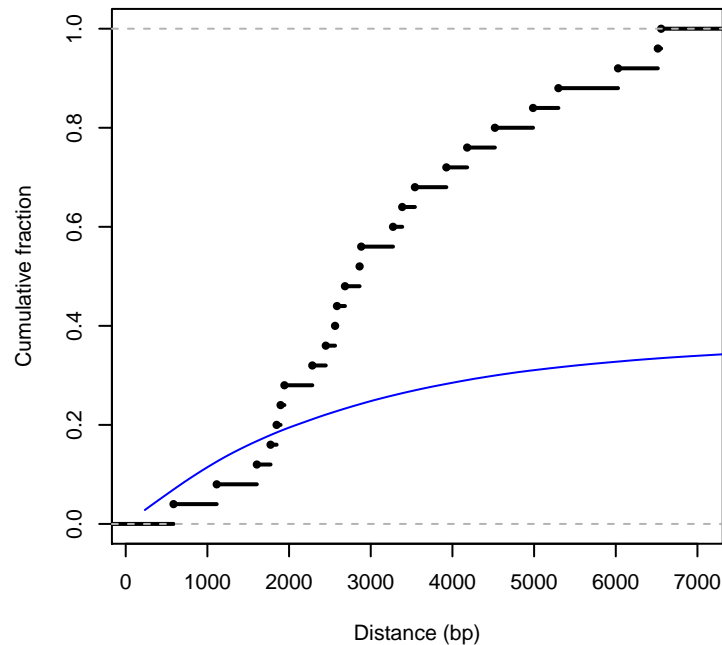
Query population : 27  
Reference population : 198  
Relative Ks p-value : 0.183018  
Relative ecdf deviation area : 0.033036  
Relative ecdf area correlation : -0.113317  
Relative ecdf deviation area p-value : 0.29  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.107669  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



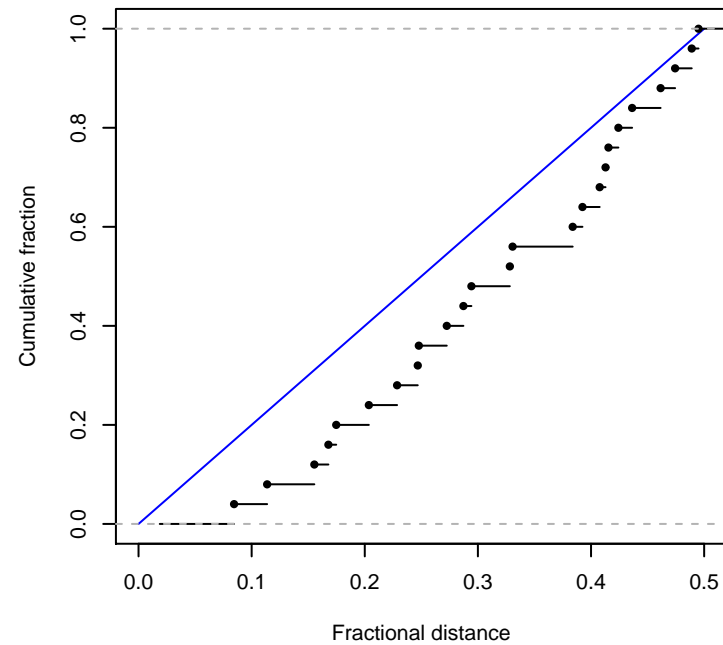
# pcontig\_027

Query population : 25  
Reference population : 184  
Relative Ks p-value : 0.118289  
Relative ecdf deviation area : 0.0671031  
Relative ecdf area correlation : -0.268529  
Relative ecdf deviation 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 : 0.121785  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

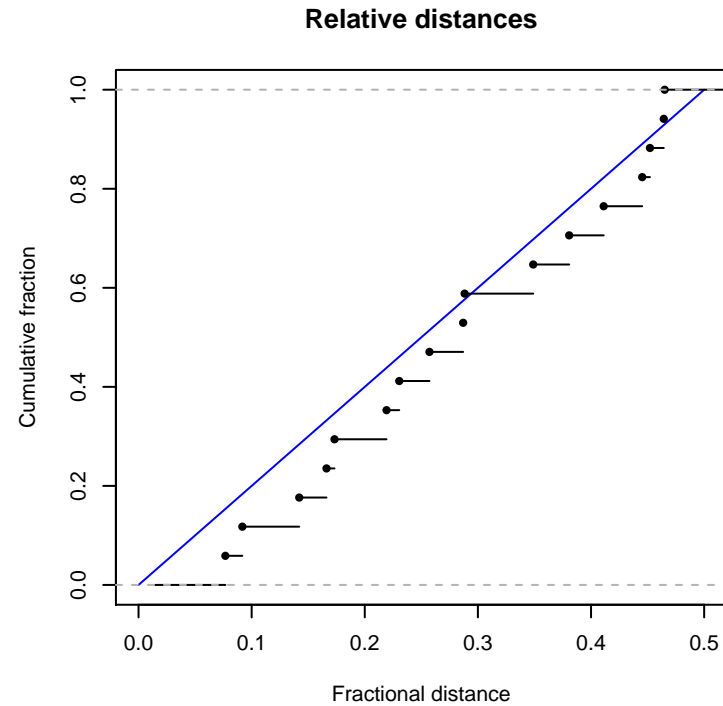
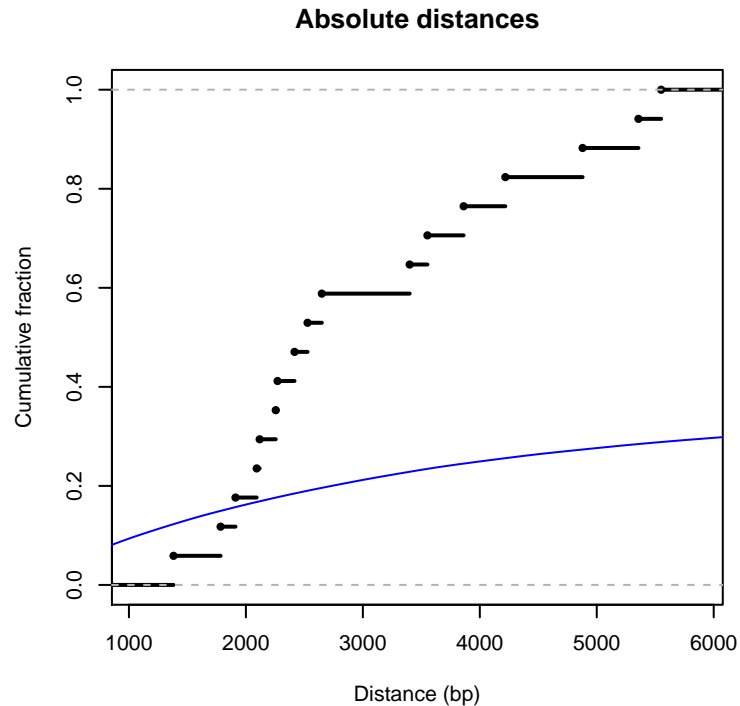


Relative distances



# pcontig\_028

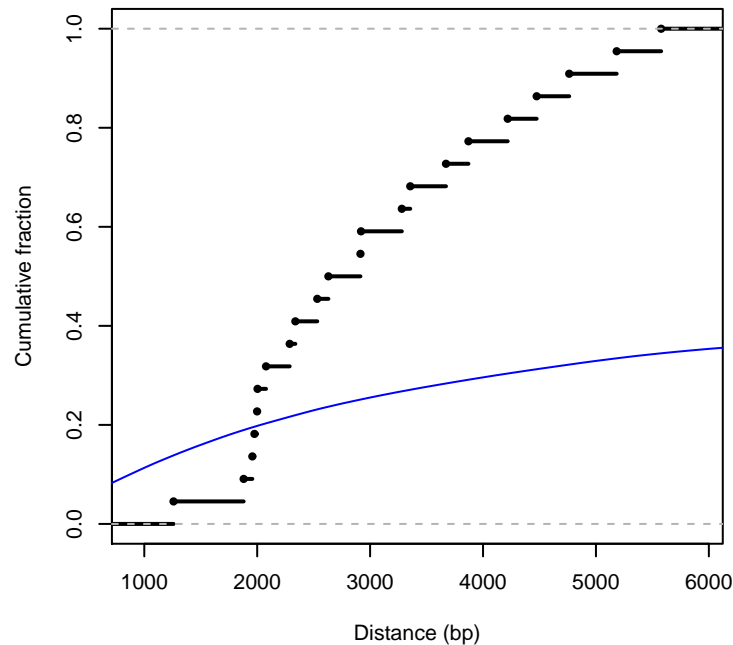
Query population : 17  
Reference population : 151  
Relative Ks p-value : 0.673578  
Relative ecdf deviation area : 0.0413118  
Relative ecdf area correlation : -0.15286  
Relative ecdf deviation area p-value : 0.35  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.07  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.18604  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



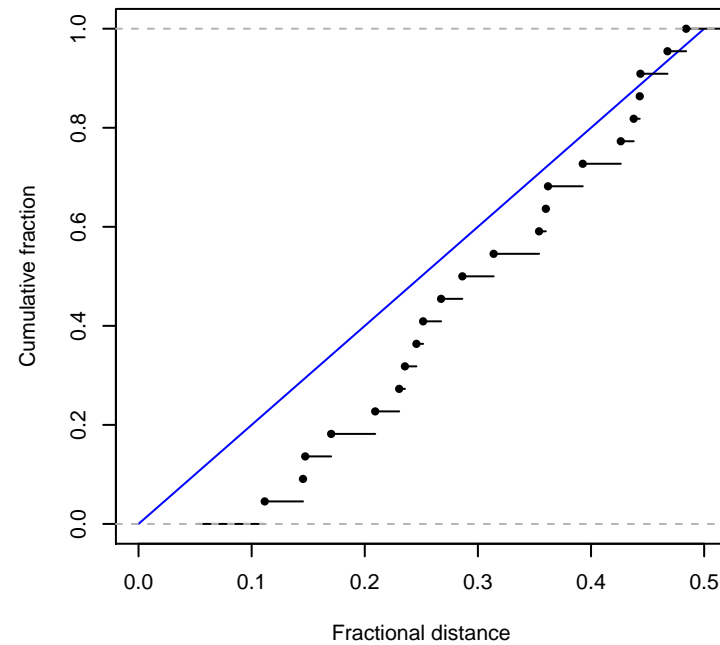
# pcontig\_029

Query population : 22  
Reference population : 182  
Relative Ks p-value : 0.118756  
Relative ecdf deviation area : 0.0601344  
Relative ecdf area correlation : -0.233766  
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 : 0.03  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.169288  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

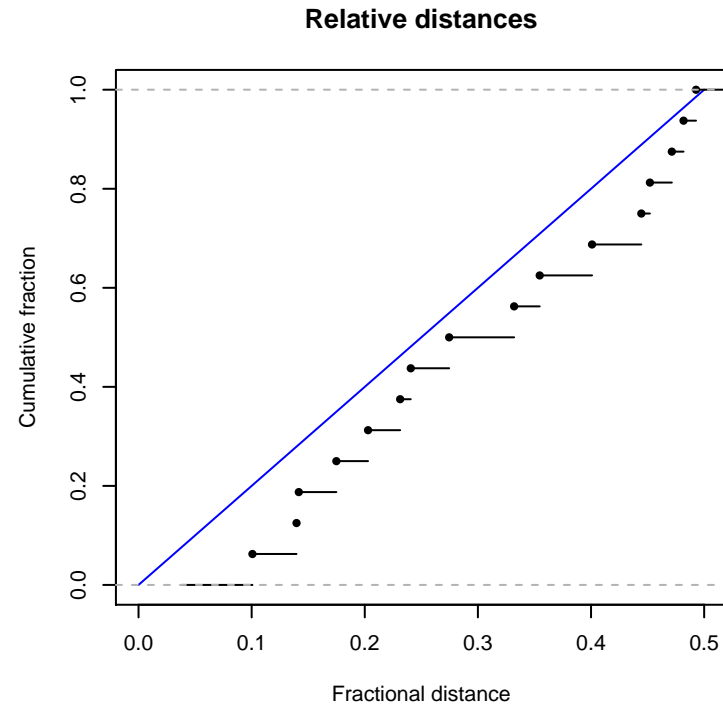
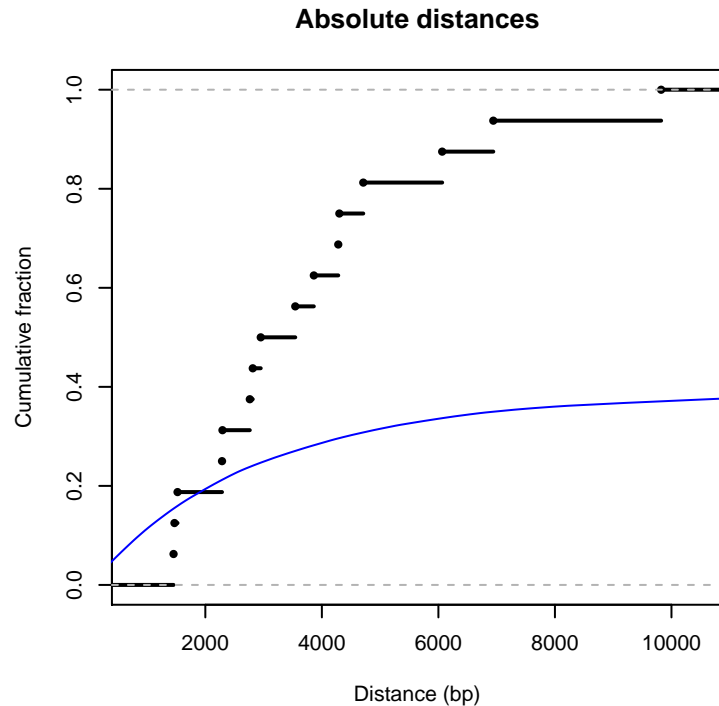


Relative distances



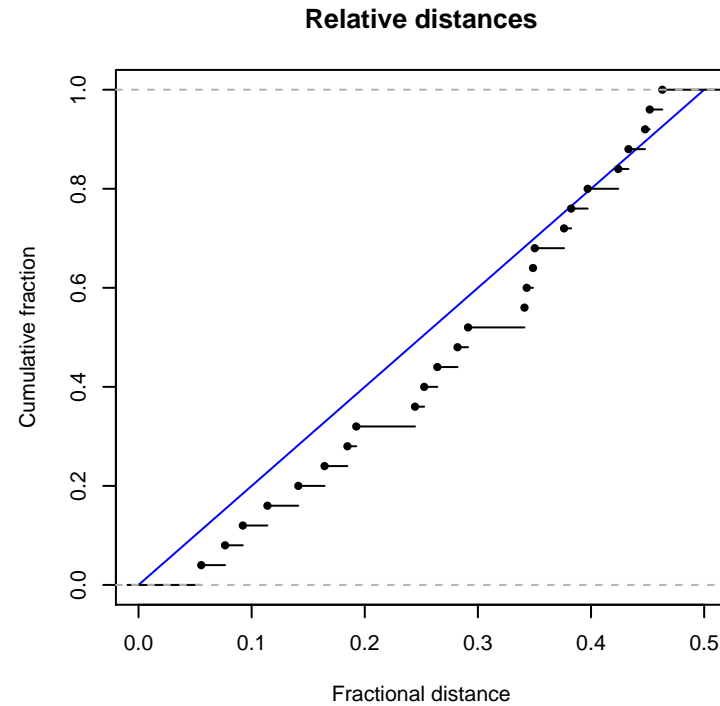
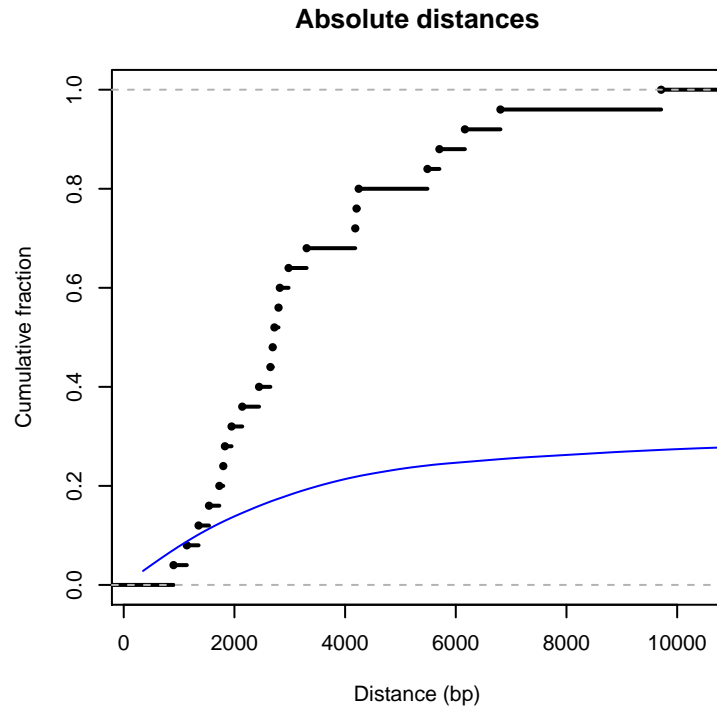
# pcontig\_030

Query population : 16  
Reference population : 185  
Relative Ks p-value : 0.38364  
Relative ecdf deviation area : 0.0552153  
Relative ecdf area correlation : -0.234119  
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 : 0.12  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.229071  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_031

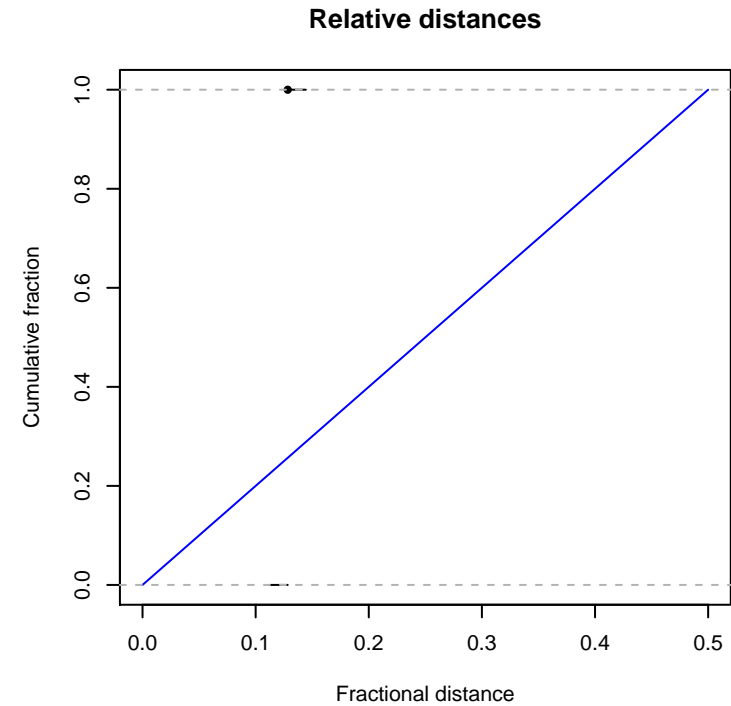
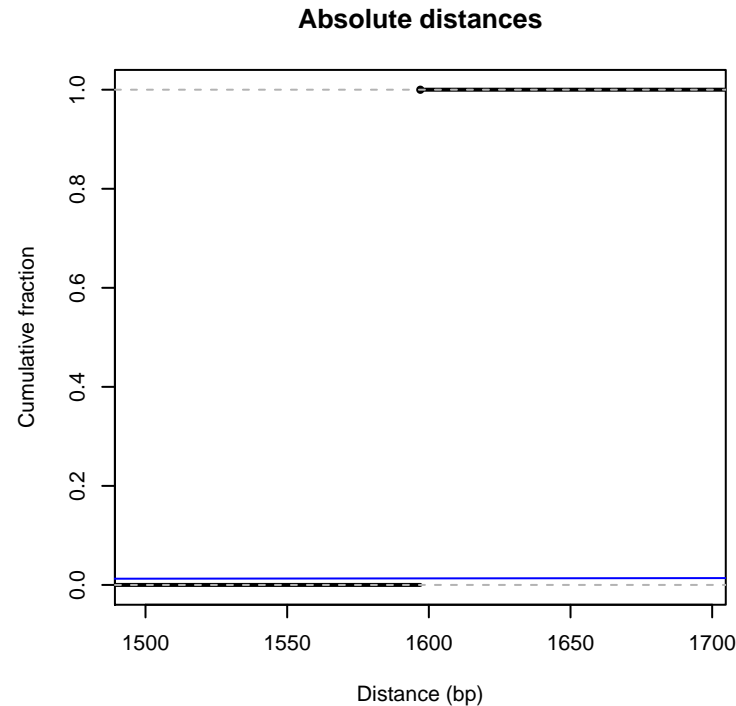
Query population : 25  
Reference population : 124  
Relative Ks p-value : 0.42742  
Relative ecdf deviation area : 0.0387419  
Relative ecdf area correlation : -0.138241  
Relative ecdf deviation area p-value : 0.17  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.09  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.200509  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





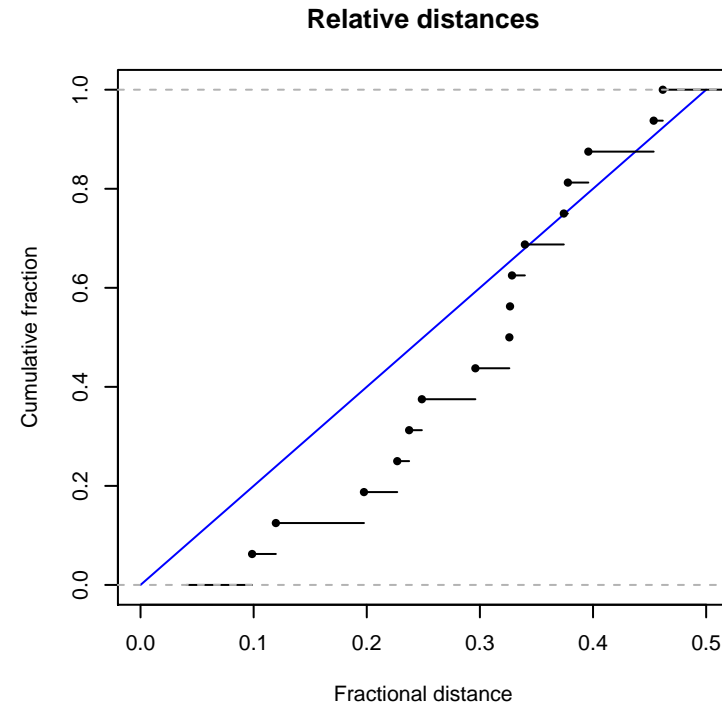
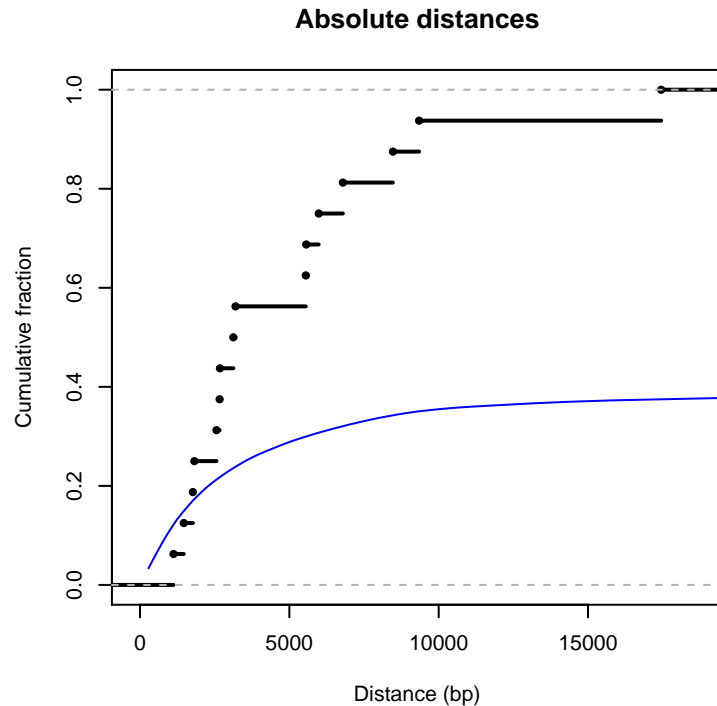
# pcontig\_032

Query population : 1  
Reference population : 17  
Relative Ks p-value : 0.513422  
Relative ecdf deviation area : 0.154881  
Relative ecdf area correlation : 0.486578  
Relative ecdf deviation area p-value : 0.52  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00635968  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



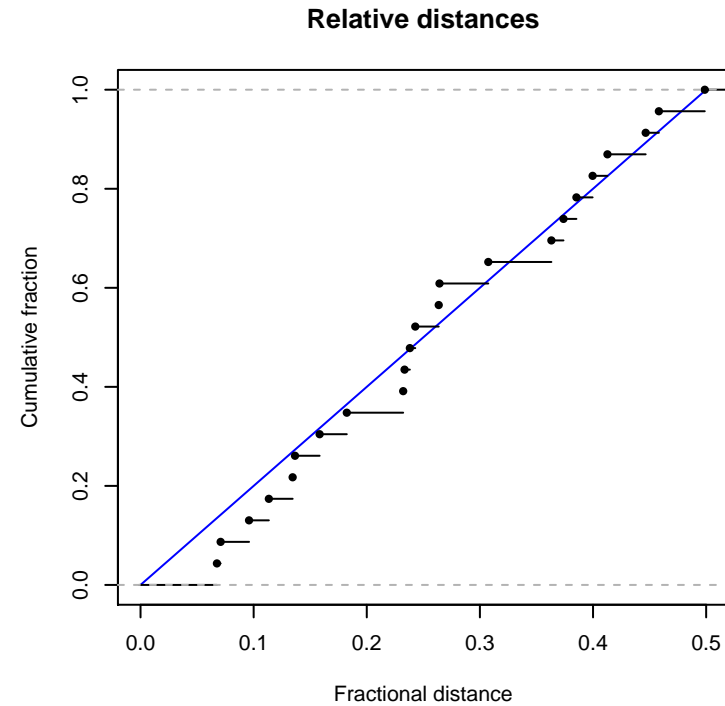
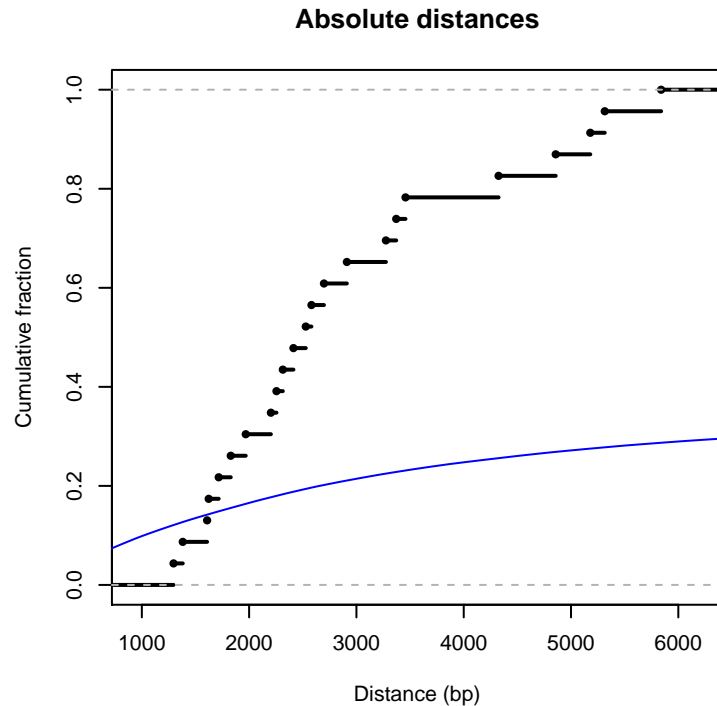
# pcontig\_033

Query population : 16  
Reference population : 181  
Relative Ks p-value : 0.160518  
Relative ecdf deviation area : 0.058891  
Relative ecdf area correlation : -0.202186  
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 : 0.12  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.286981  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



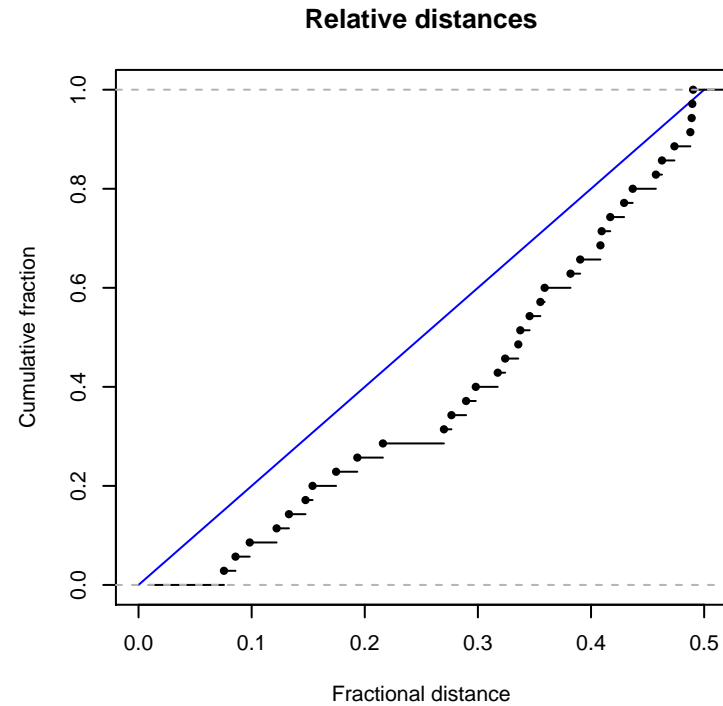
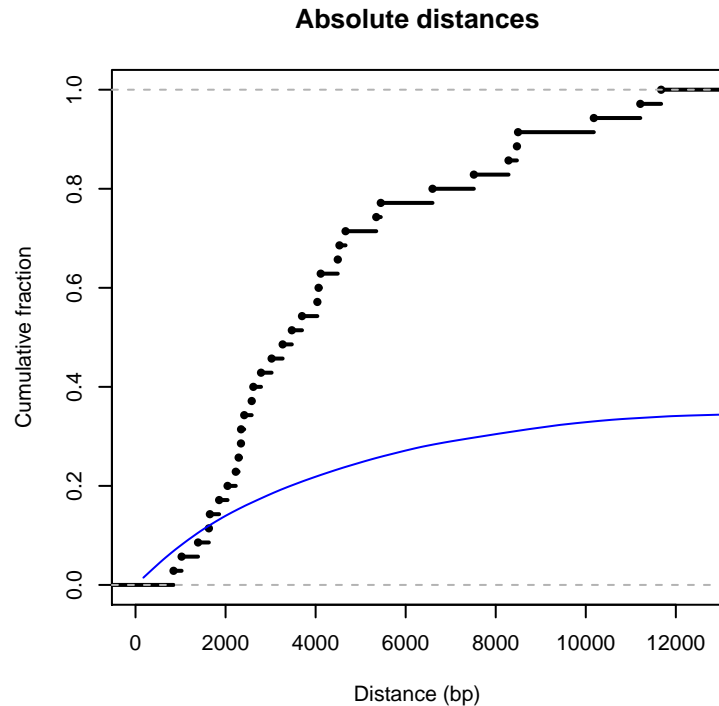
# pcontig\_034

Query population : 23  
Reference population : 163  
Relative Ks p-value : 0.746211  
Relative ecdf deviation area : 0.021034  
Relative ecdf area correlation : -0.0573037  
Relative ecdf deviation area p-value : 0.76  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.09  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.199094  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



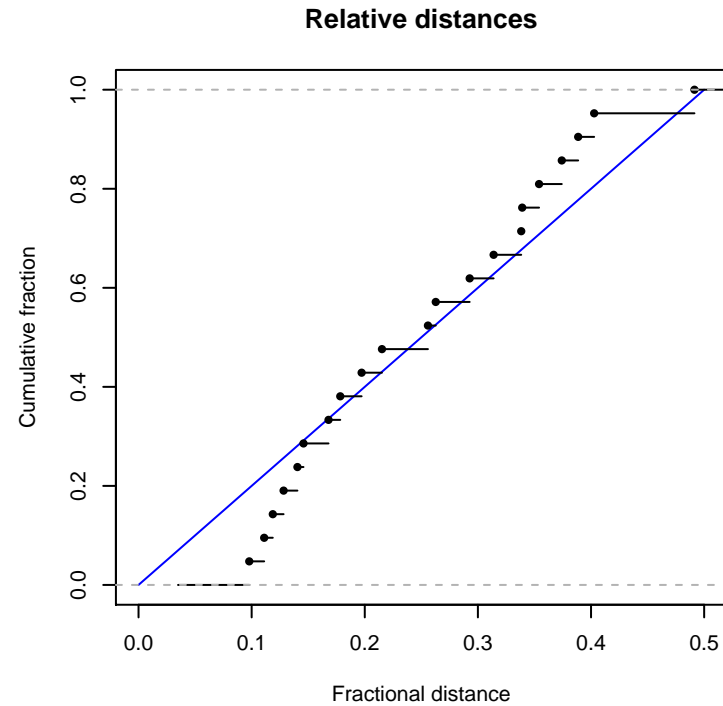
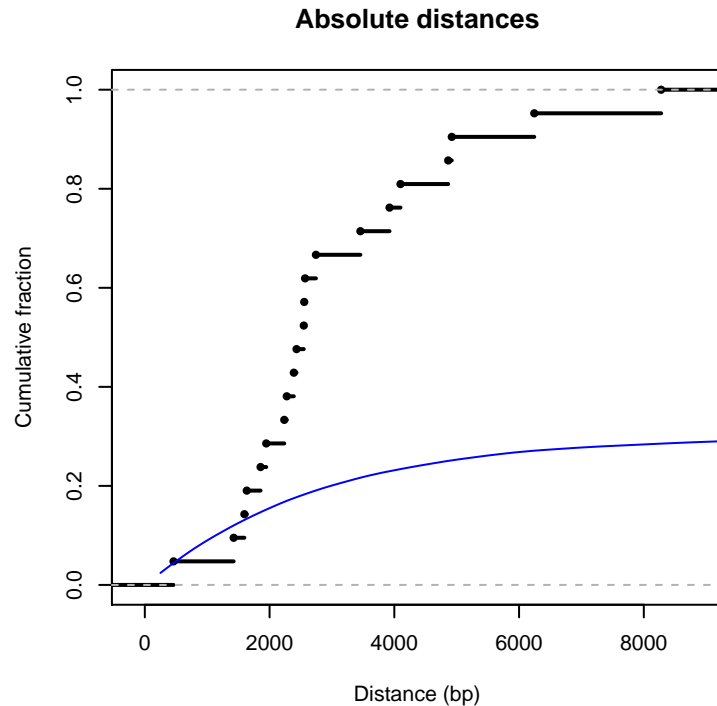
# pcontig\_035

Query population : 35  
Reference population : 129  
Relative Ks p-value : 0.0175787  
Relative ecdf deviation area : 0.0682072  
Relative ecdf area correlation : -0.2723  
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 : 0.02  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.113141  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



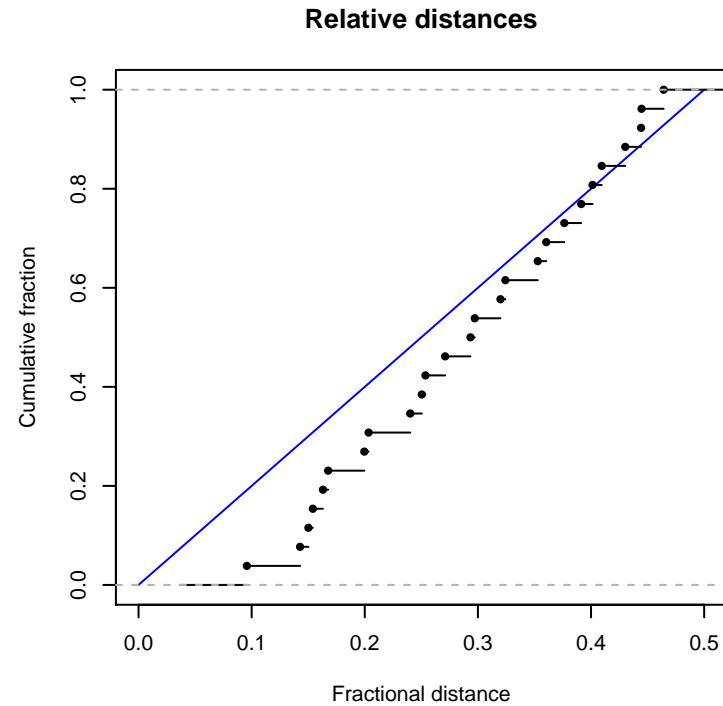
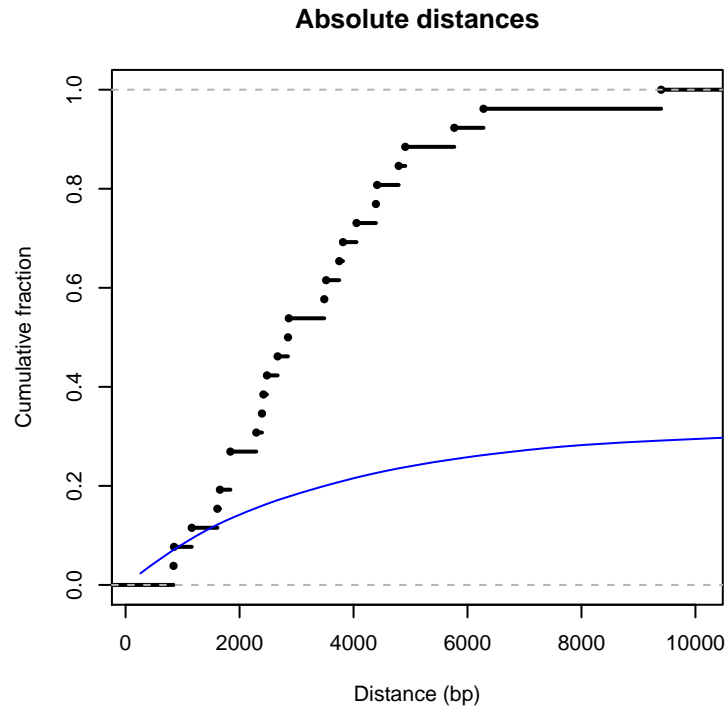
# pcontig\_036

Query population : 21  
Reference population : 148  
Relative Ks p-value : 0.350295  
Relative ecdf deviation area : 0.0298737  
Relative ecdf area correlation : -0.0123017  
Relative ecdf deviation area p-value : 0.63  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.06  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.237151  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



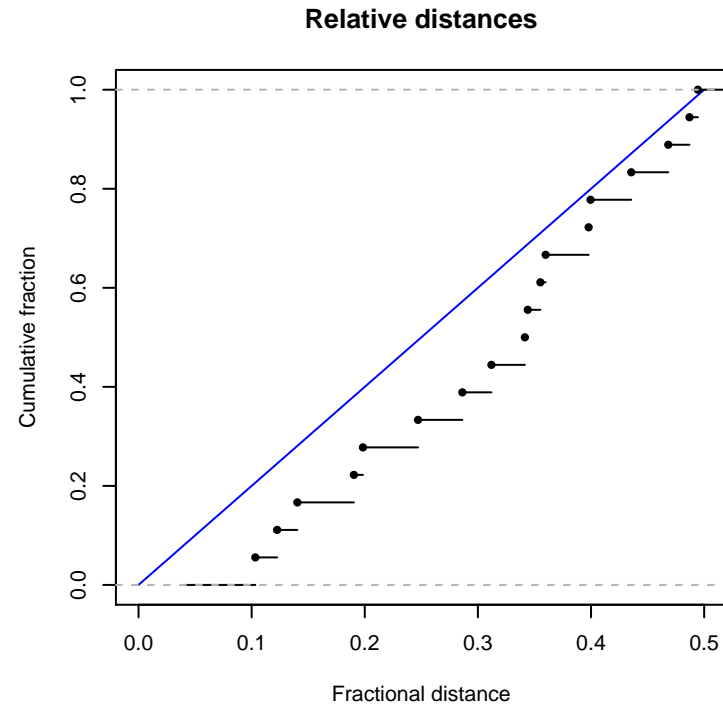
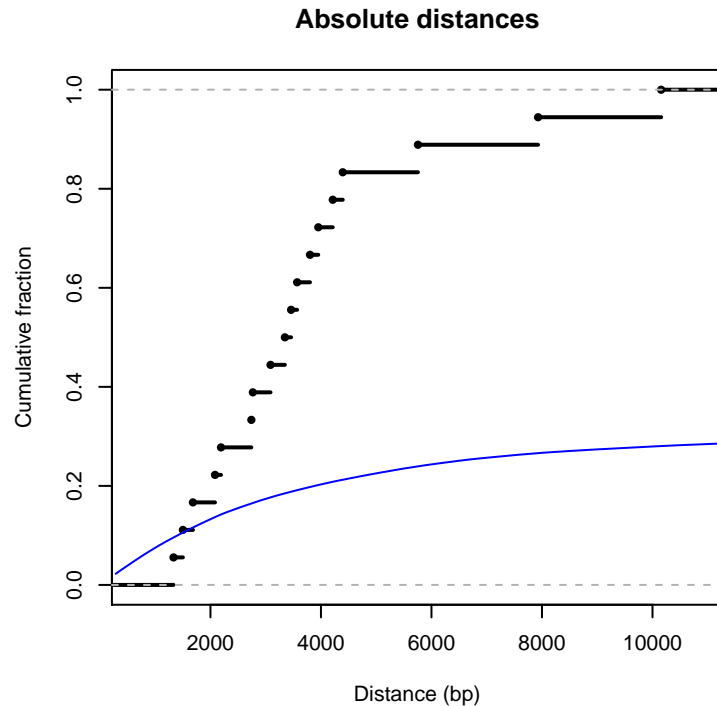
# pcontig\_037

Query population : 26  
Reference population : 137  
Relative Ks p-value : 0.0694748  
Relative ecdf deviation area : 0.0478954  
Relative ecdf area correlation : -0.169517  
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 : 0.07  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.1637  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_039

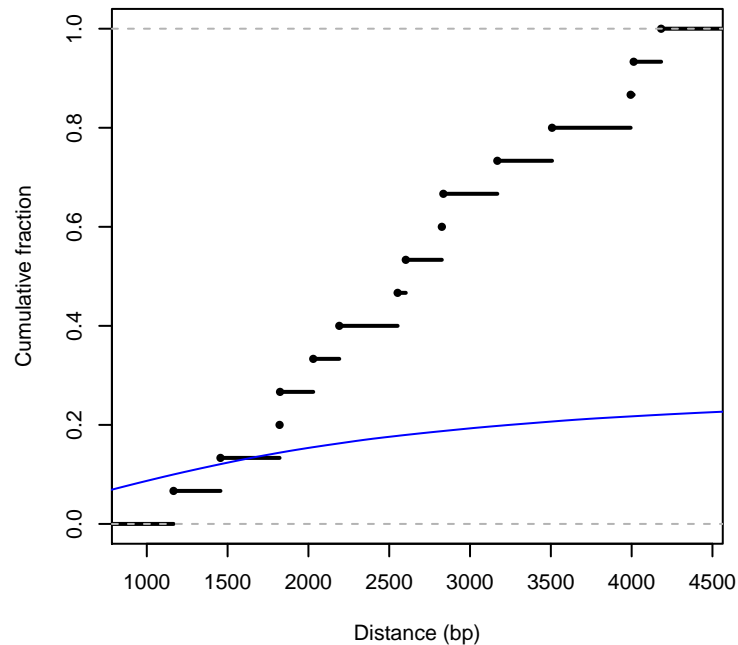
Query population : 18  
Reference population : 121  
Relative Ks p-value : 0.216626  
Relative ecdf deviation area : 0.0663811  
Relative ecdf area correlation : -0.263053  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.19  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.280486  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



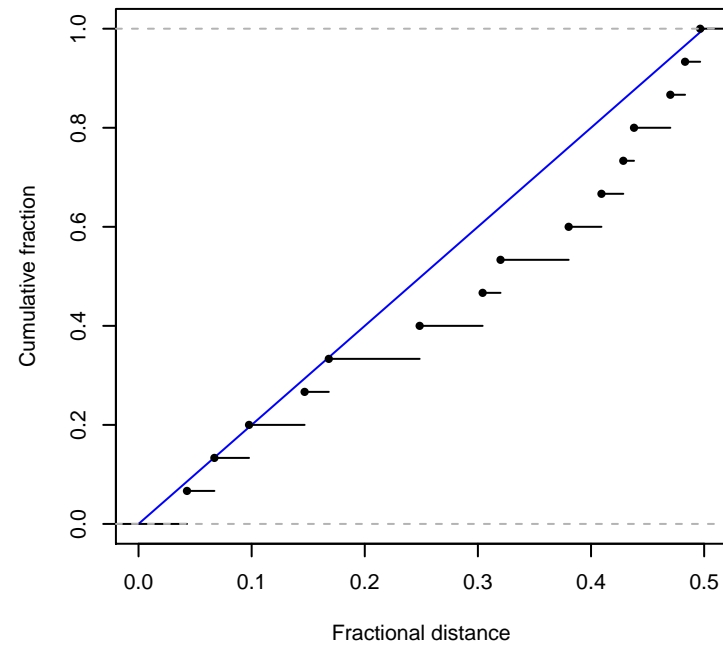
# pcontig\_040

Query population : 15  
Reference population : 138  
Relative Ks p-value : 0.365272  
Relative ecdf deviation area : 0.051047  
Relative ecdf area correlation : -0.200278  
Relative ecdf deviation area p-value : 0.23  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.15  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.317521  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances



Relative distances

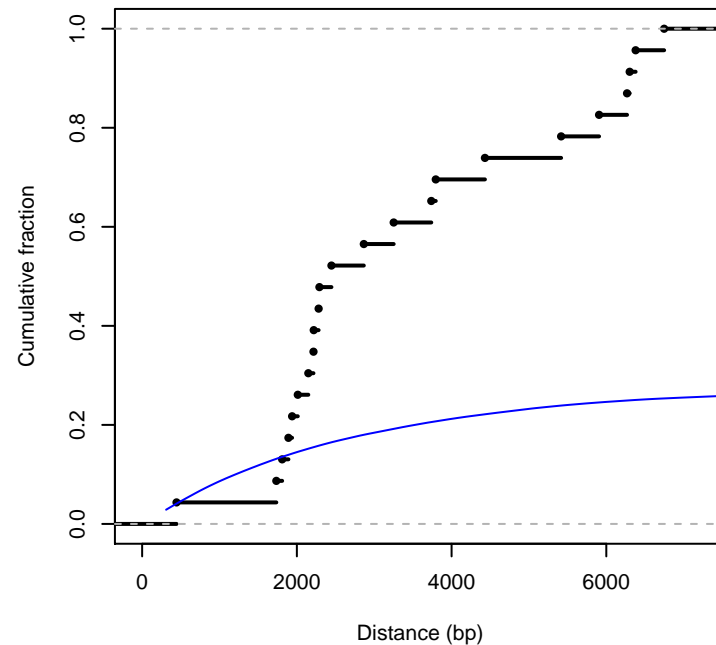




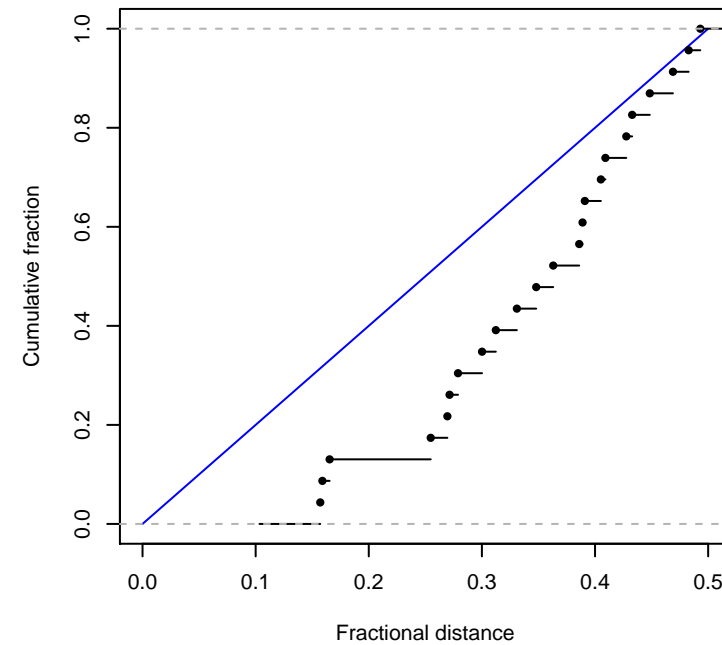
# pcontig\_041

Query population : 23  
Reference population : 142  
Relative Ks p-value : 0.00176597  
Relative ecdf deviation area : 0.0964514  
Relative ecdf area correlation : -0.381635  
Relative ecdf deviation 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 : TRUE  
Projection test p-value : 0.204723  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

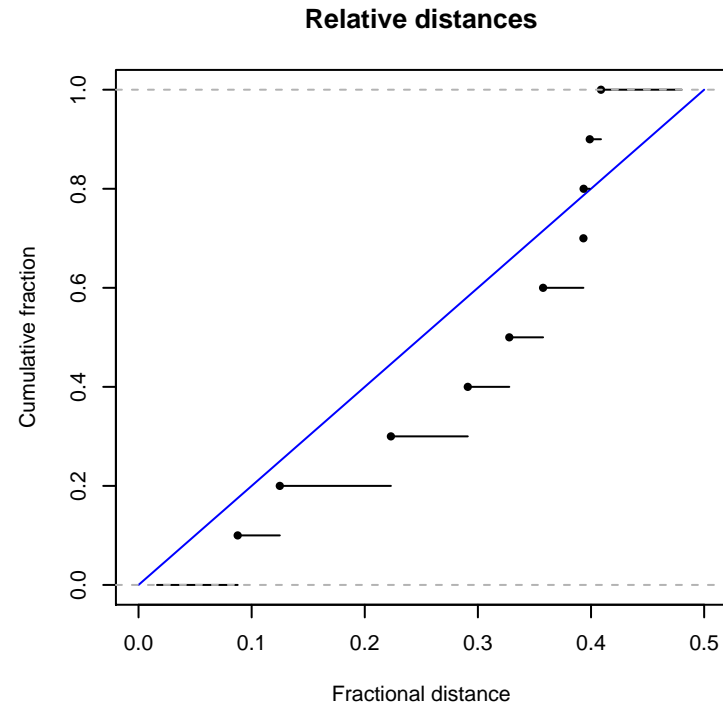
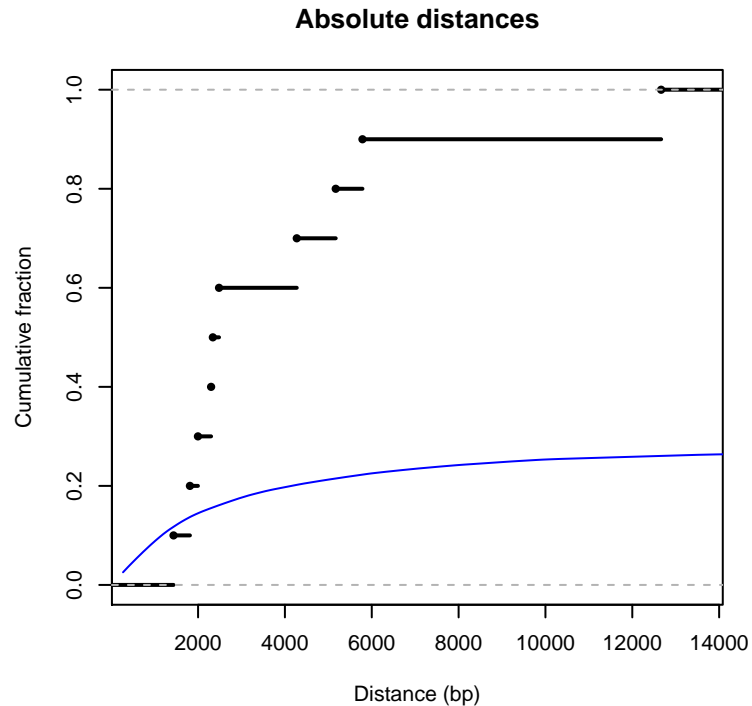


Relative distances



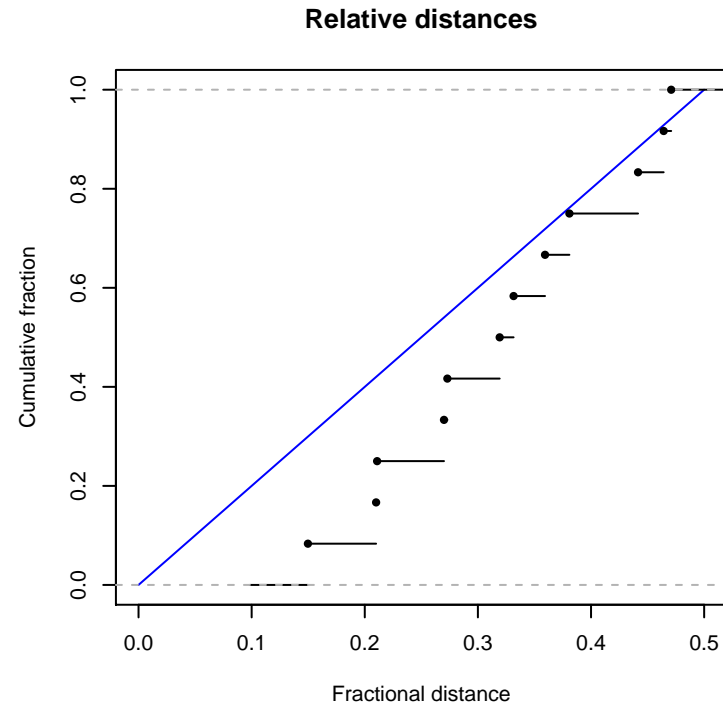
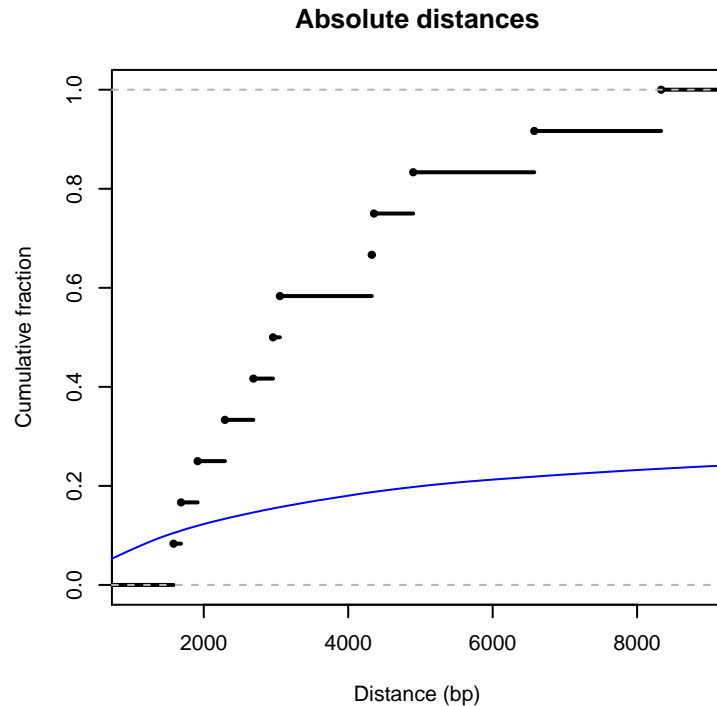
# pcontig\_042

Query population : 10  
Reference population : 144  
Relative Ks p-value : 0.337591  
Relative ecdf deviation area : 0.0689552  
Relative ecdf area correlation : -0.202585  
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 : 0.35  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.491471  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



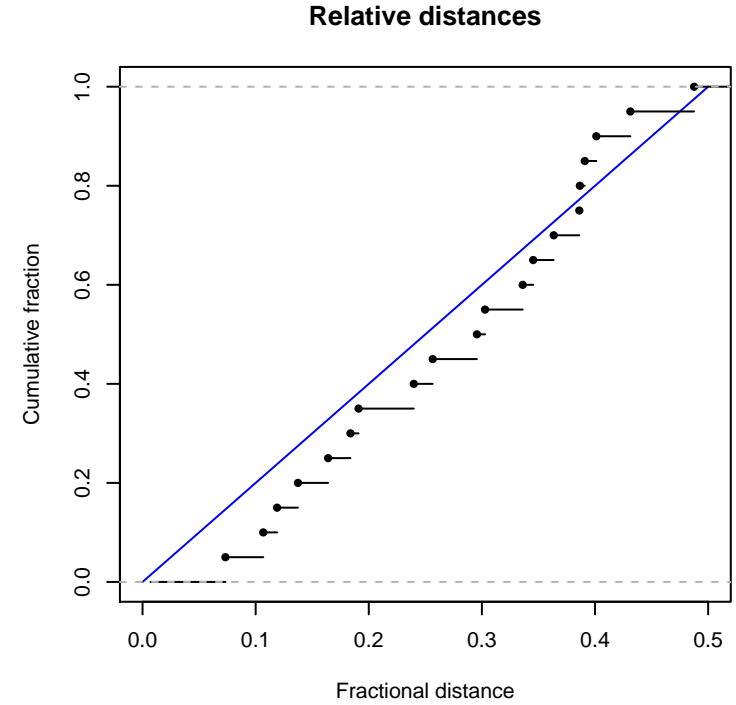
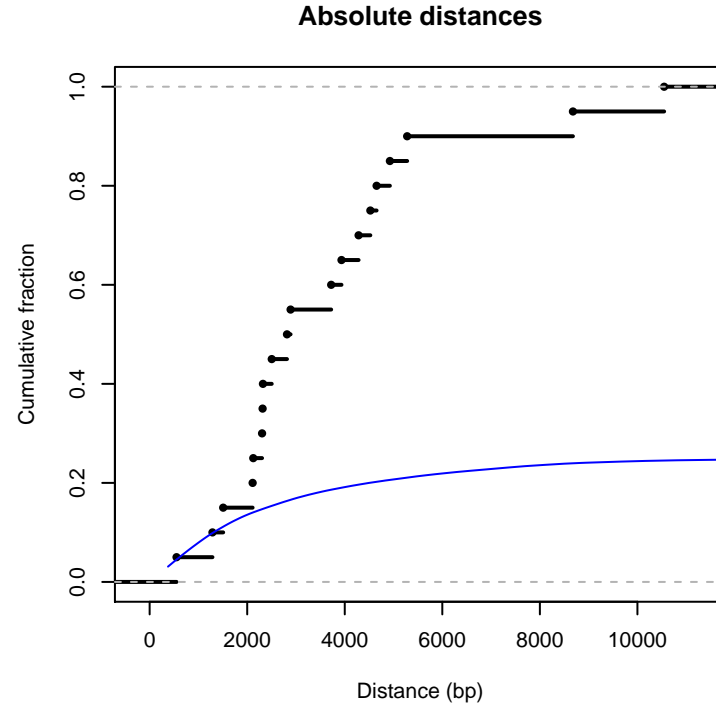
# pcontig\_043

Query population : 12  
Reference population : 113  
Relative Ks p-value : 0.102572  
Relative ecdf deviation area : 0.0752925  
Relative ecdf area correlation : -0.293783  
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 : 0.32  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.483947  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



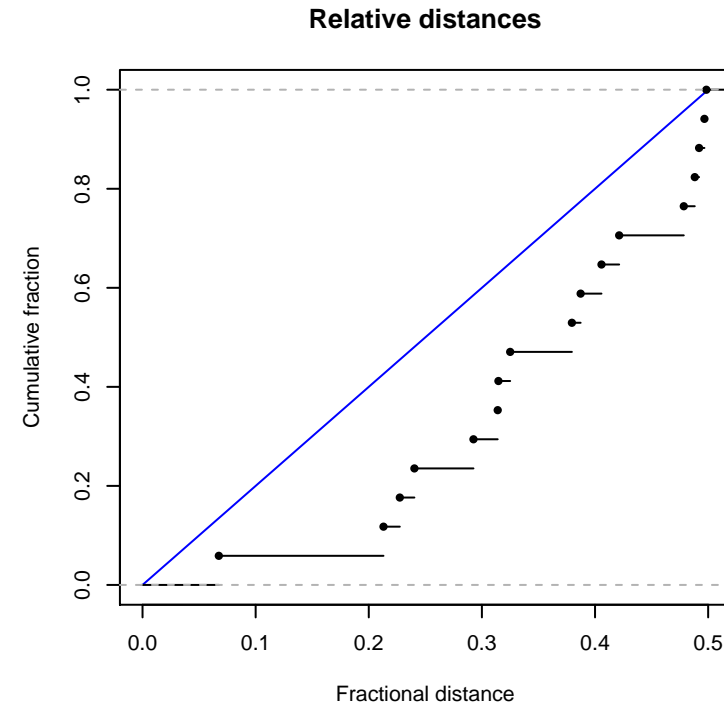
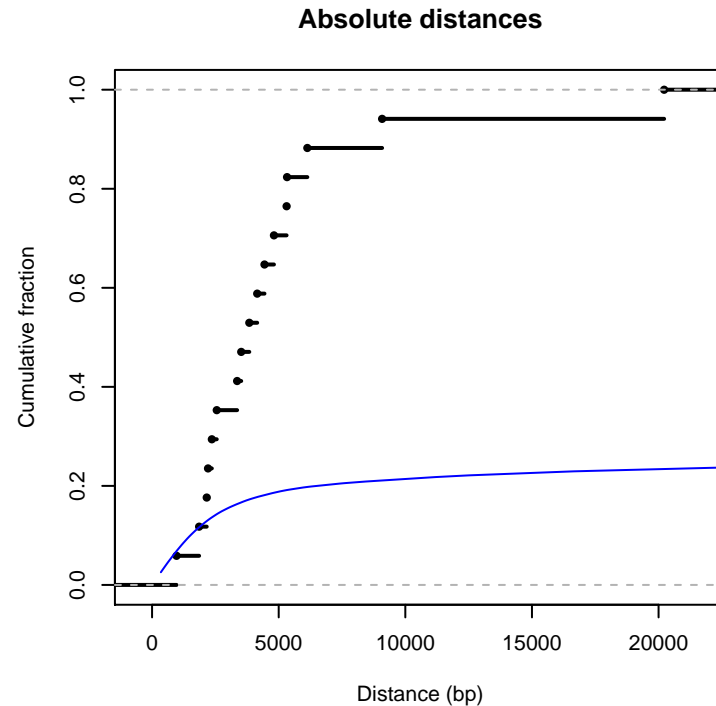
# pcontig\_044

Query population : 20  
Reference population : 126  
Relative Ks p-value : 0.602556  
Relative ecdf deviation area : 0.0392837  
Relative ecdf area correlation : -0.11966  
Relative ecdf deviation area p-value : 0.38  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.11  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.256486  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



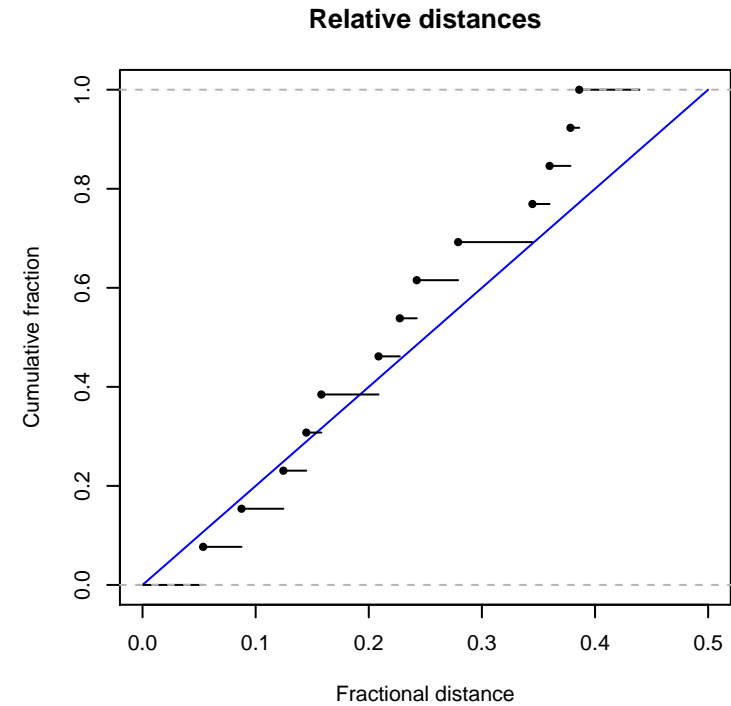
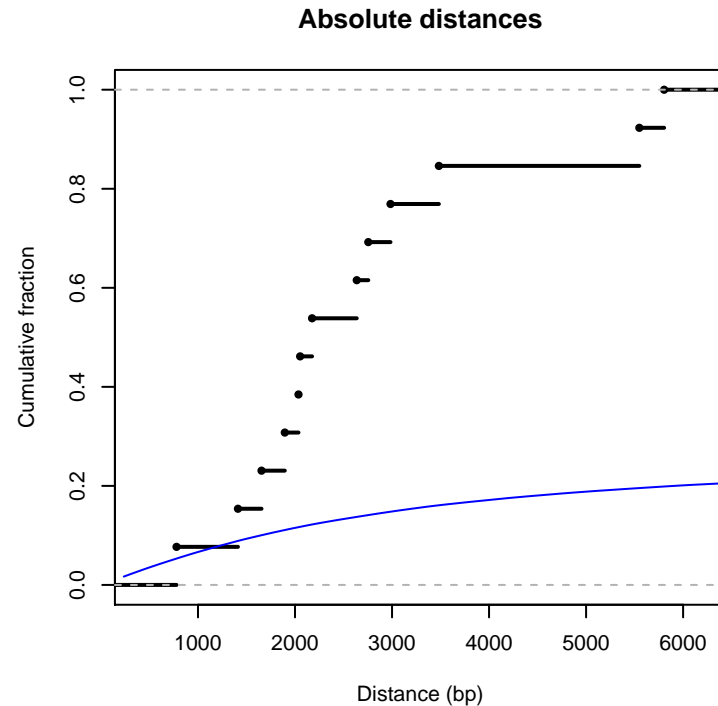
# pcontig\_045

Query population : 17  
Reference population : 113  
Relative Ks p-value : 0.0145877  
Relative ecdf deviation area : 0.105566  
Relative ecdf area correlation : -0.421634  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.13  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.343021  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



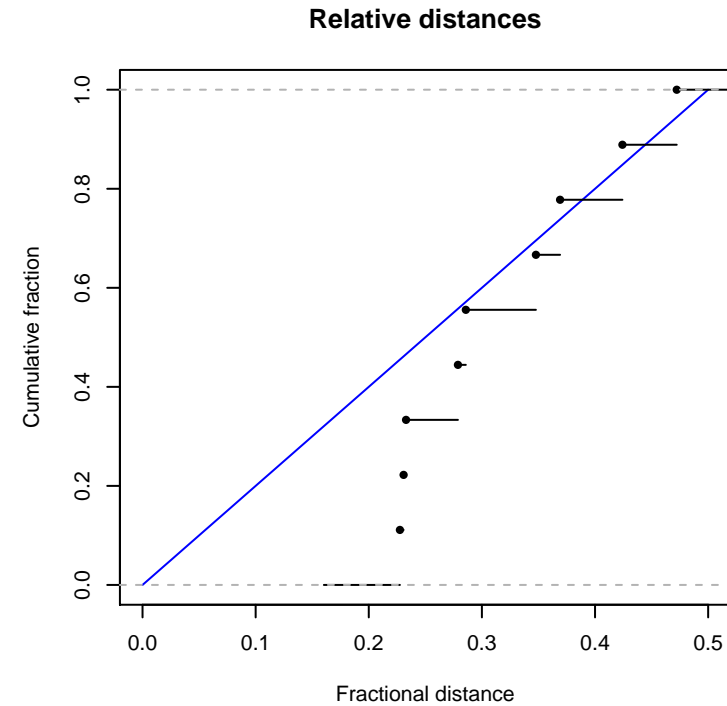
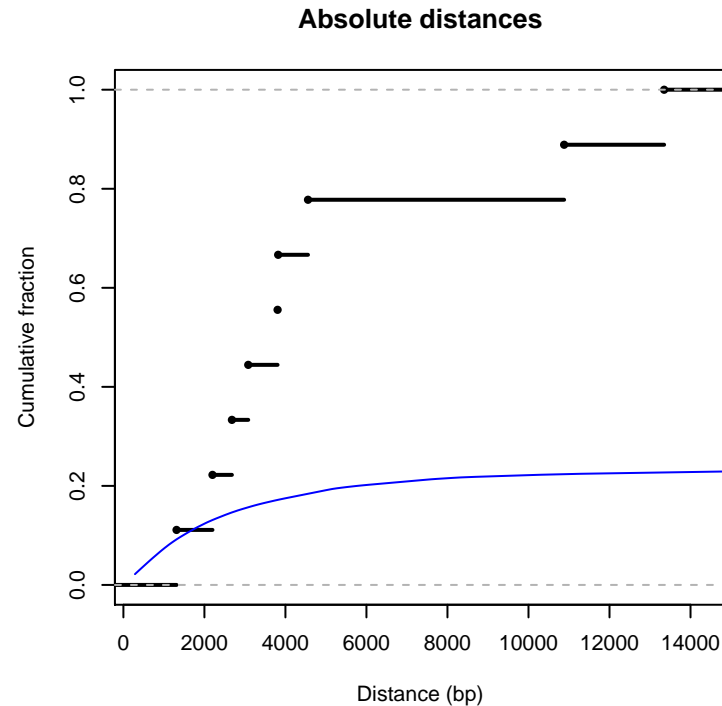
# pcontig\_046

Query population : 13  
Reference population : 110  
Relative Ks p-value : 0.44412  
Relative ecdf deviation area : 0.0360016  
Relative ecdf area correlation : 0.0785502  
Relative ecdf deviation area p-value : 0.63  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.35  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.476509  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_047

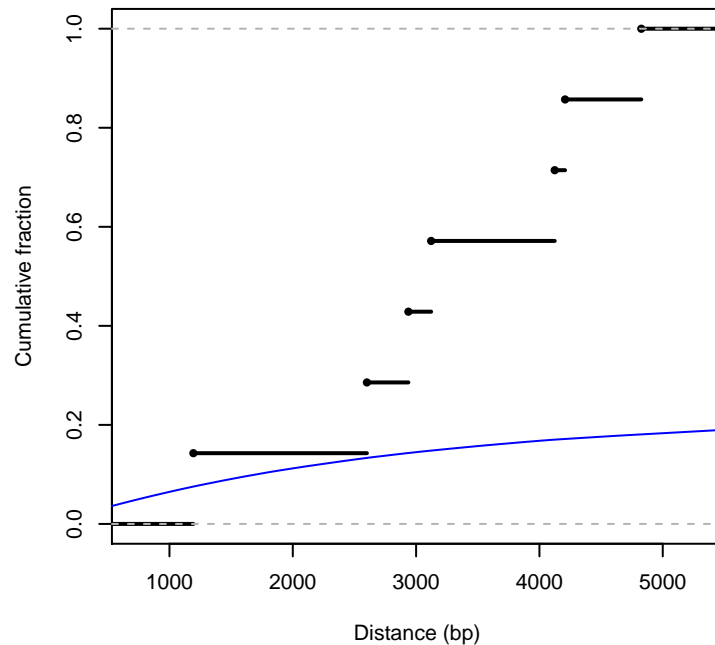
Query population : 9  
Reference population : 117  
Relative Ks p-value : 0.0319699  
Relative ecdf deviation area : 0.0713978  
Relative ecdf area correlation : -0.275198  
Relative ecdf deviation area p-value : 0.23  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.35  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.468118  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



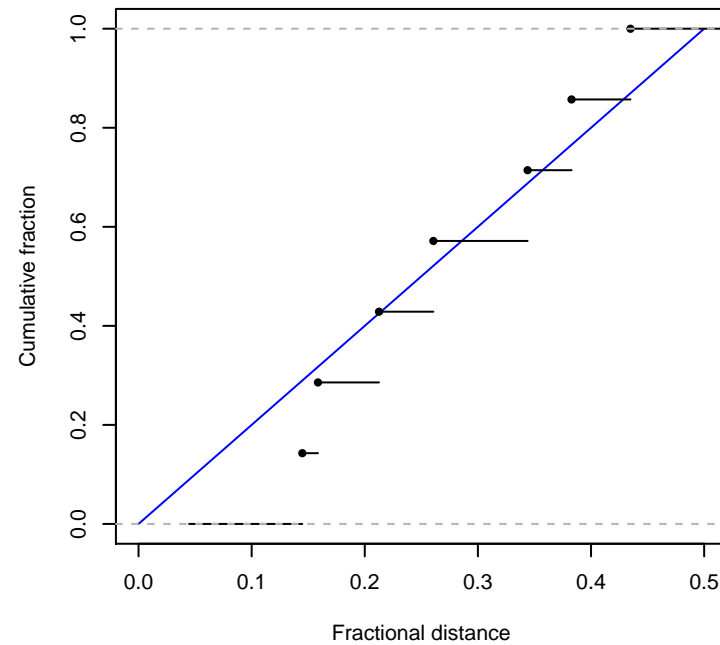
# pcontig\_048

Query population : 7  
Reference population : 106  
Relative Ks p-value : 0.509342  
Relative ecdf deviation area : 0.0410095  
Relative ecdf area correlation : -0.107547  
Relative ecdf deviation area p-value : 0.75  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.49  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.30687  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances



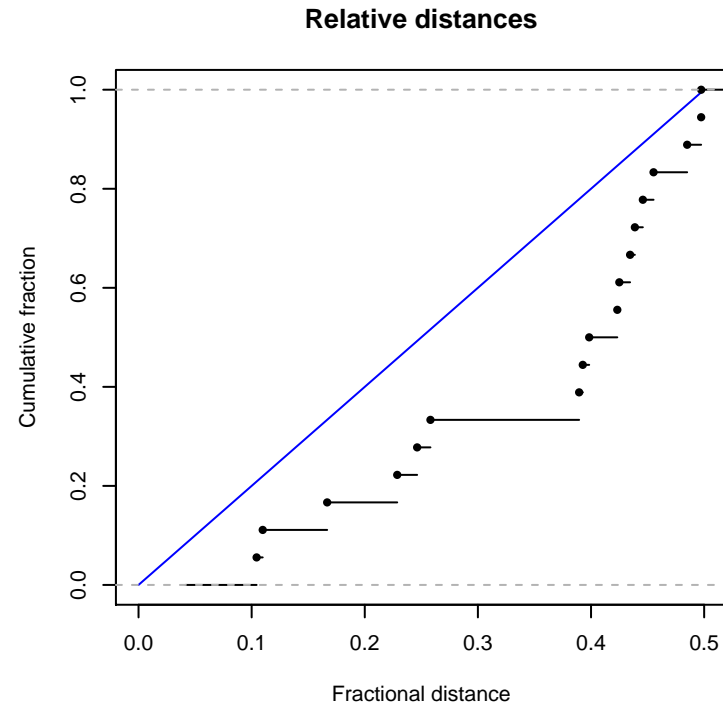
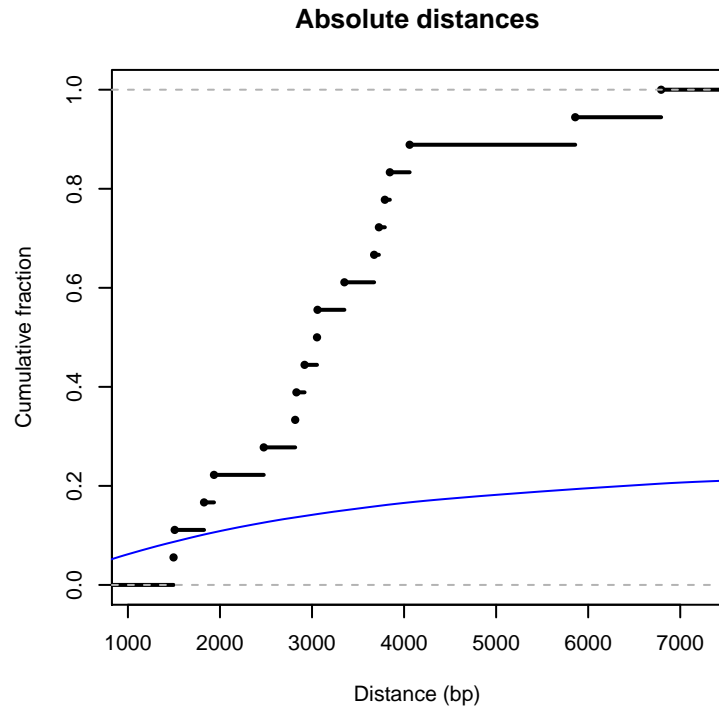
Relative distances





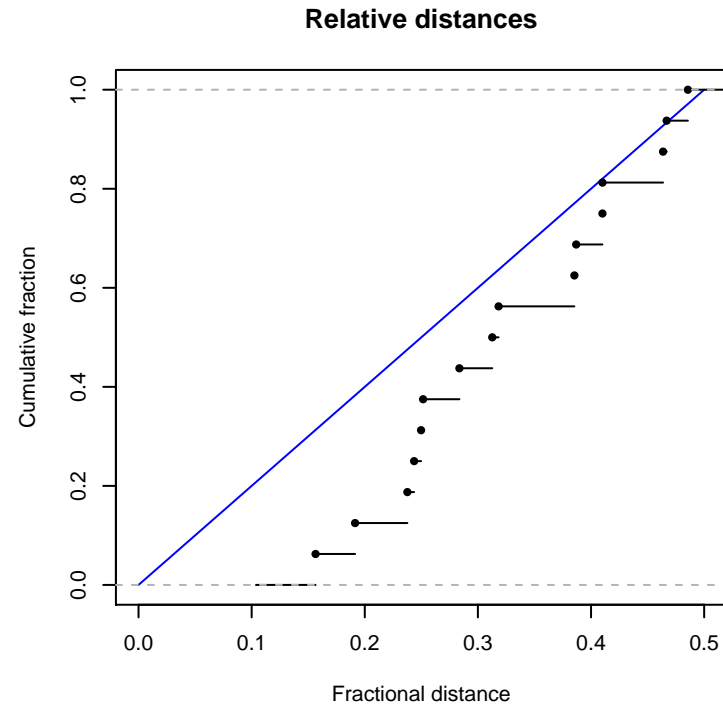
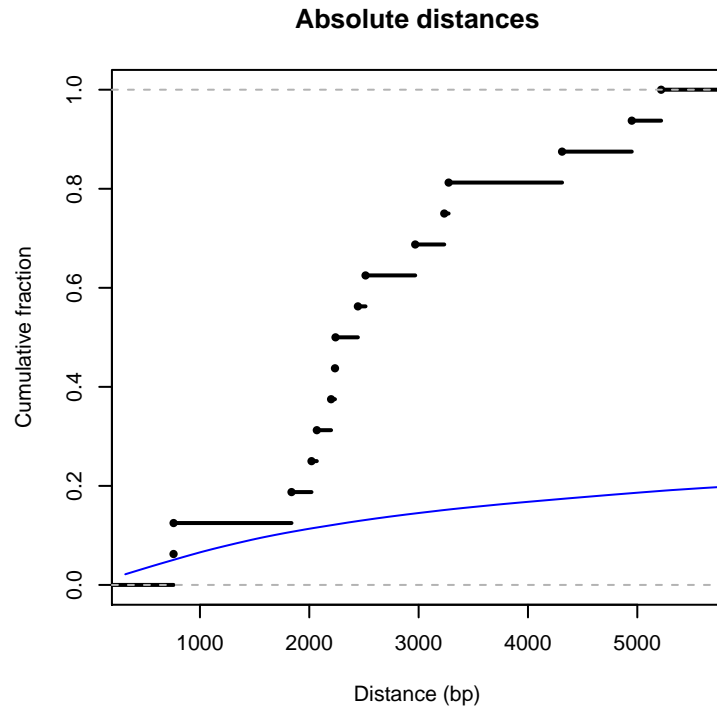
# pcontig\_049

Query population : 18  
Reference population : 100  
Relative Ks p-value : 0.000889168  
Relative ecdf deviation area : 0.105615  
Relative ecdf area correlation : -0.421528  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.21  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.342501  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



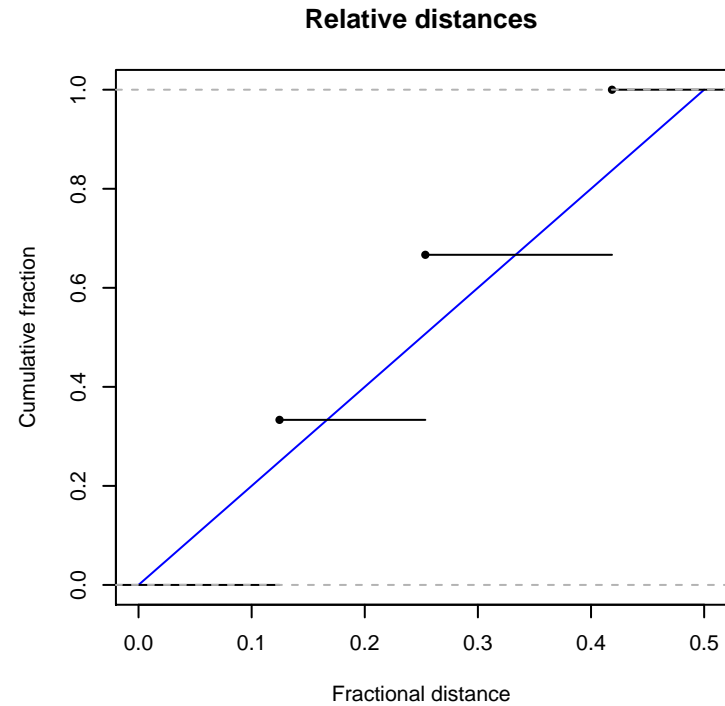
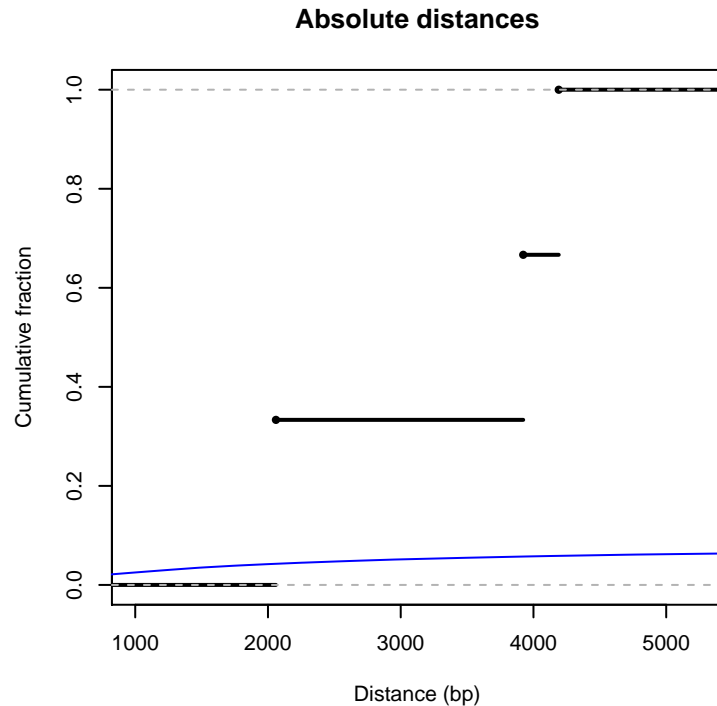
# pcontig\_050

Query population : 16  
Reference population : 104  
Relative Ks p-value : 0.0292655  
Relative ecdf deviation area : 0.0786715  
Relative ecdf area correlation : -0.313438  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.18  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.424893  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_051

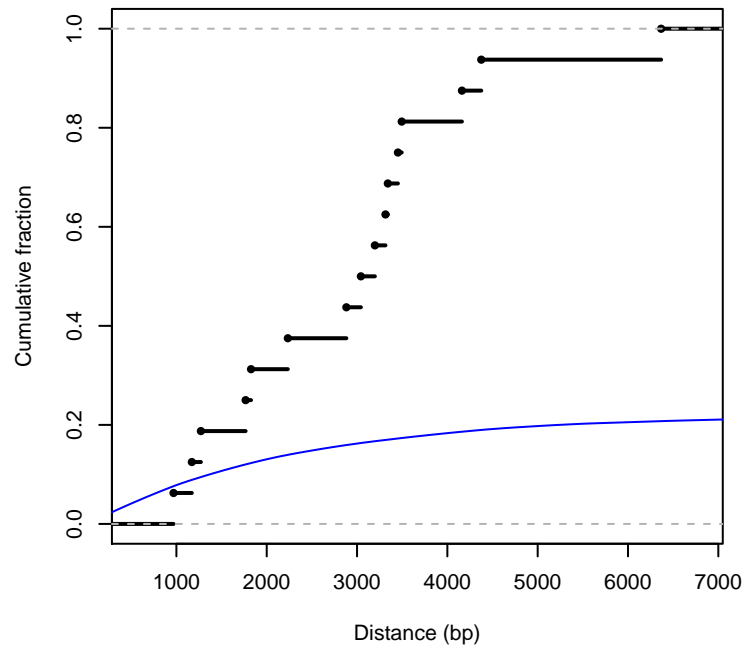
Query population : 3  
Reference population : 41  
Relative Ks p-value : 0.972964  
Relative ecdf deviation area : 0.0450978  
Relative ecdf area correlation : -0.0622463  
Relative ecdf deviation area p-value : 0.96  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.07  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0523074  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



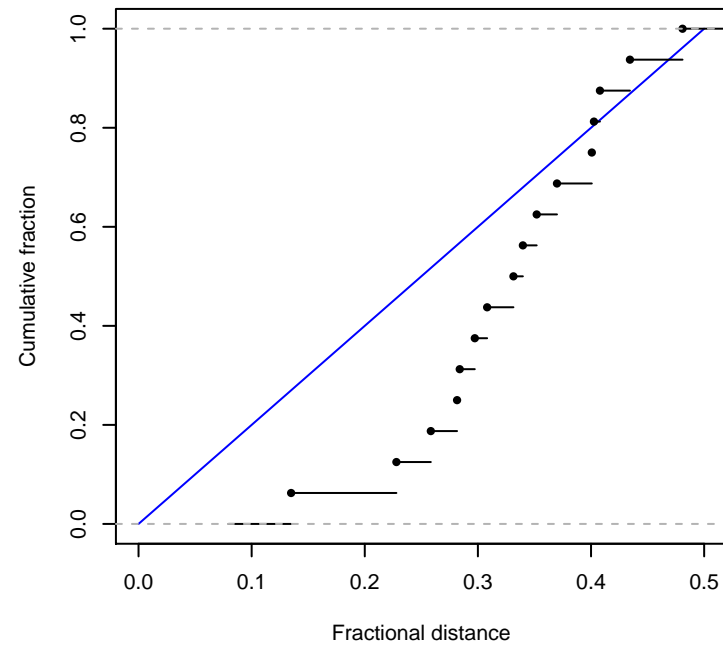
# pcontig\_052

Query population : 16  
Reference population : 127  
Relative Ks p-value : 0.00962728  
Relative ecdf deviation area : 0.0869044  
Relative ecdf area correlation : -0.327907  
Relative ecdf deviation 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 : TRUE  
Projection test p-value : 0.359512  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

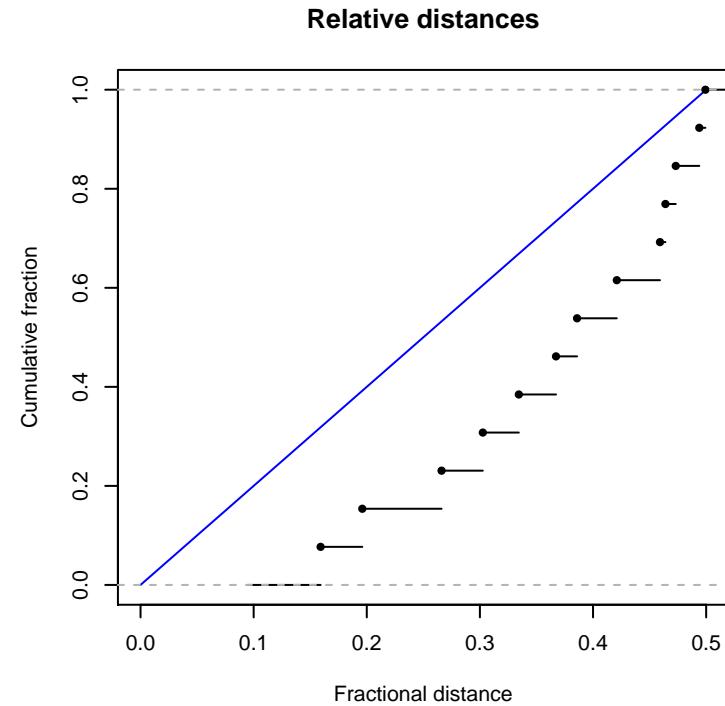
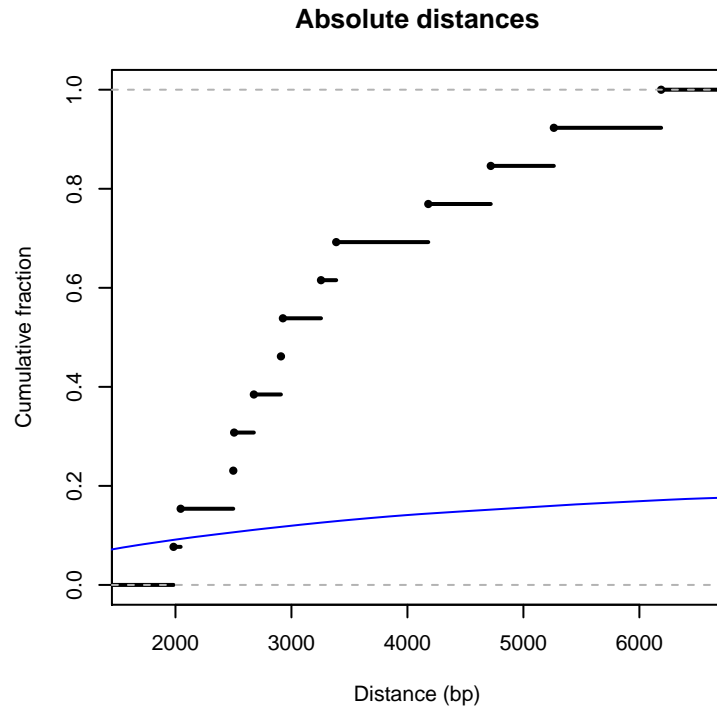


Relative distances



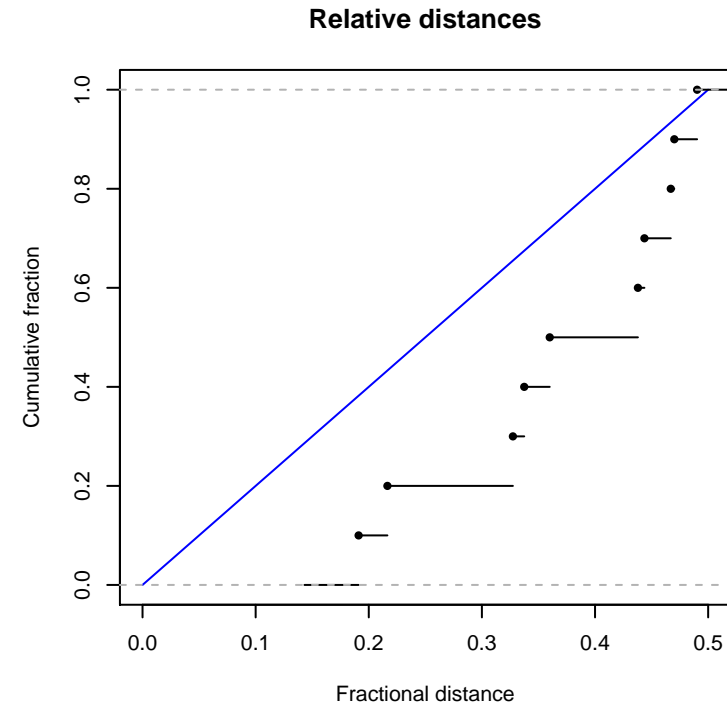
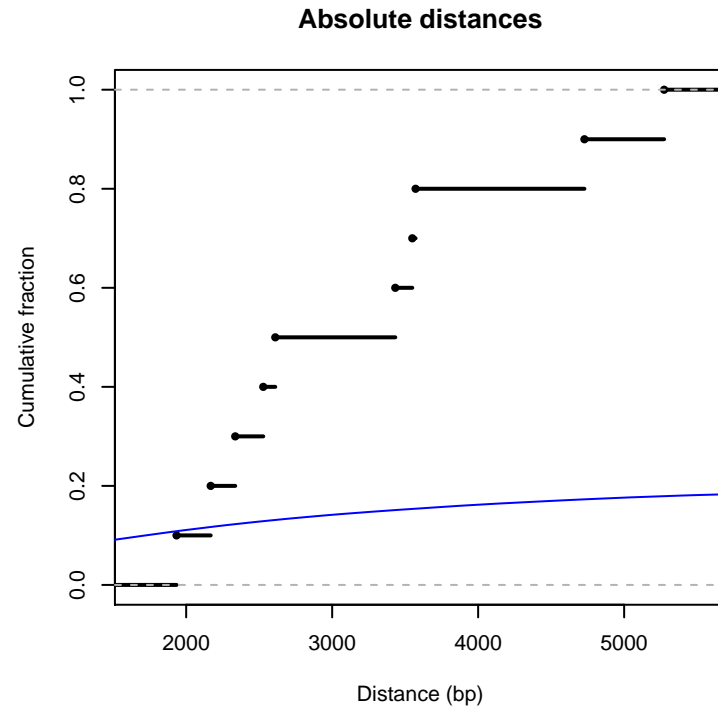
# pcontig\_054

Query population : 13  
Reference population : 83  
Relative Ks p-value : 0.035068  
Relative ecdf deviation area : 0.120482  
Relative ecdf area correlation : -0.483743  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.42  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.415121  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



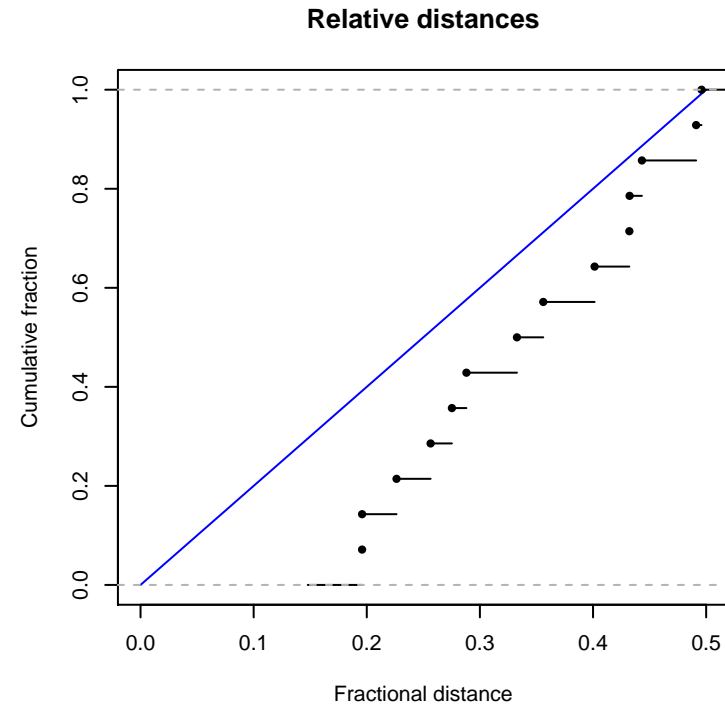
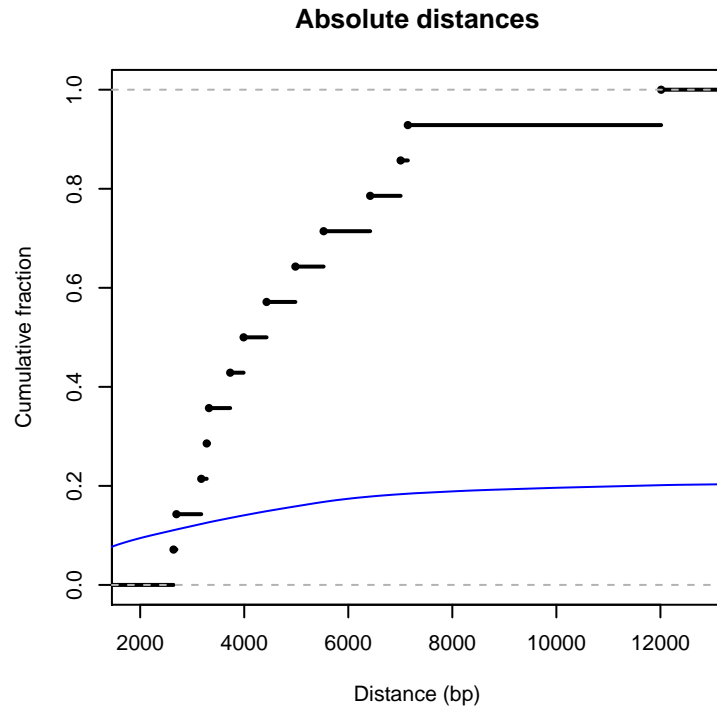
# pcontig\_055

Query population : 10  
Reference population : 107  
Relative Ks p-value : 0.0207509  
Relative ecdf deviation area : 0.124633  
Relative ecdf area correlation : -0.496471  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.44  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.43391  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



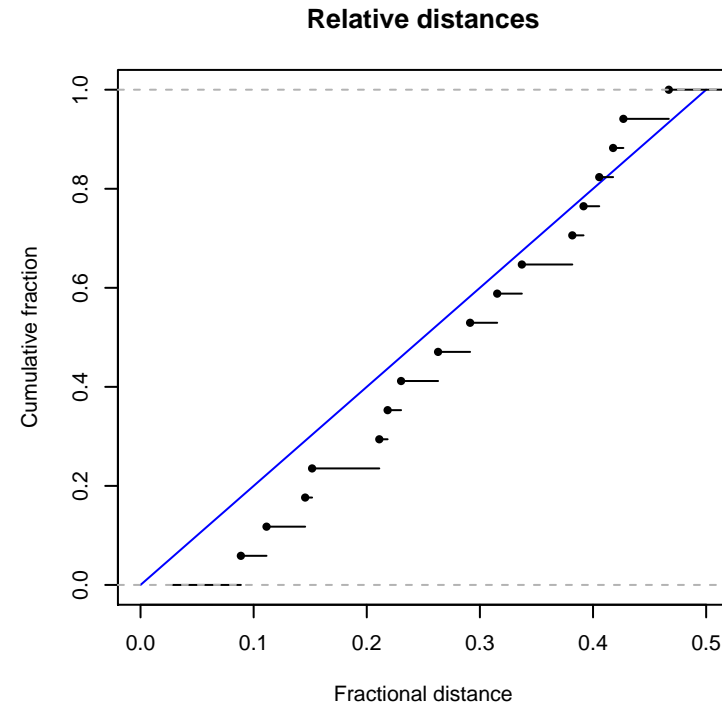
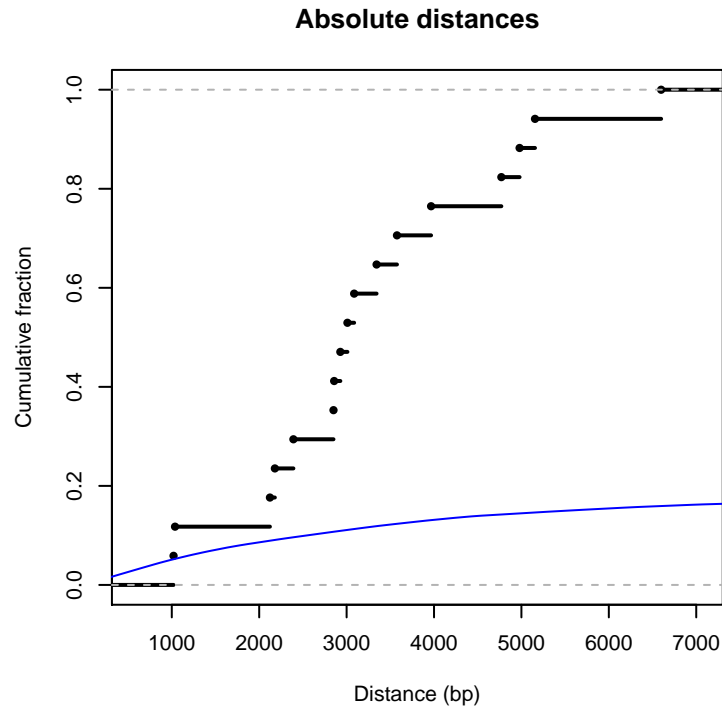
# pcontig\_056

Query population : 14  
Reference population : 91  
Relative Ks p-value : 0.0190661  
Relative ecdf deviation area : 0.0946857  
Relative ecdf area correlation : -0.377911  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.41  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.450784  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_057

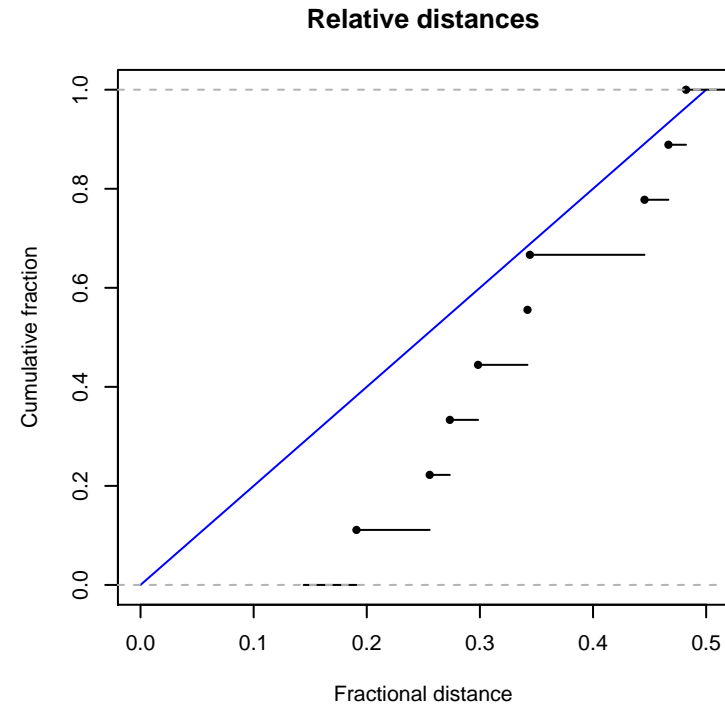
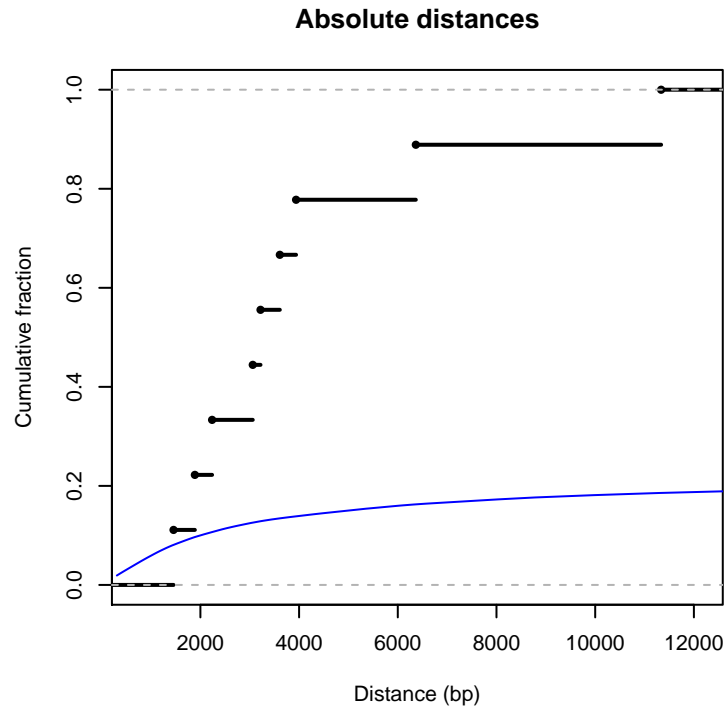
Query population : 17  
Reference population : 81  
Relative Ks p-value : 0.532396  
Relative ecdf deviation area : 0.0418171  
Relative ecdf area correlation : -0.142184  
Relative ecdf deviation area p-value : 0.36  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.37  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.470493  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





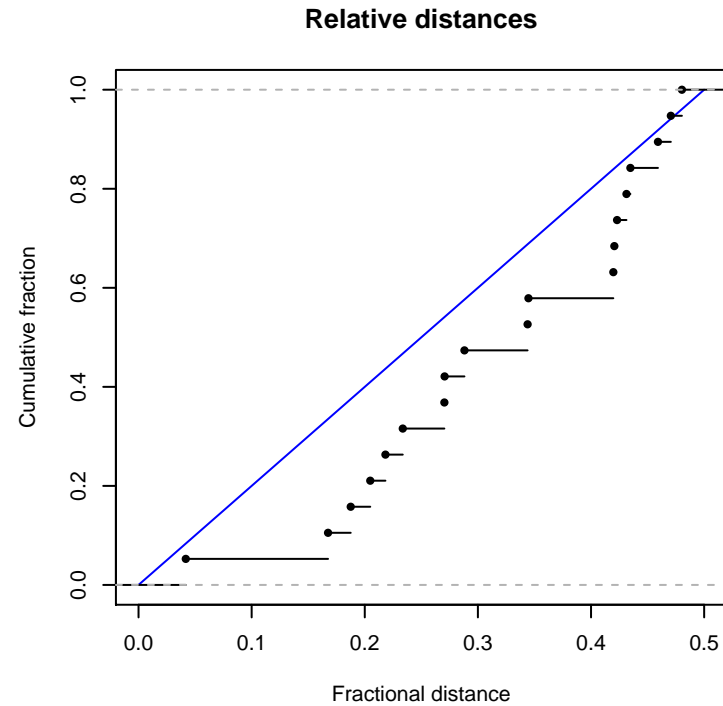
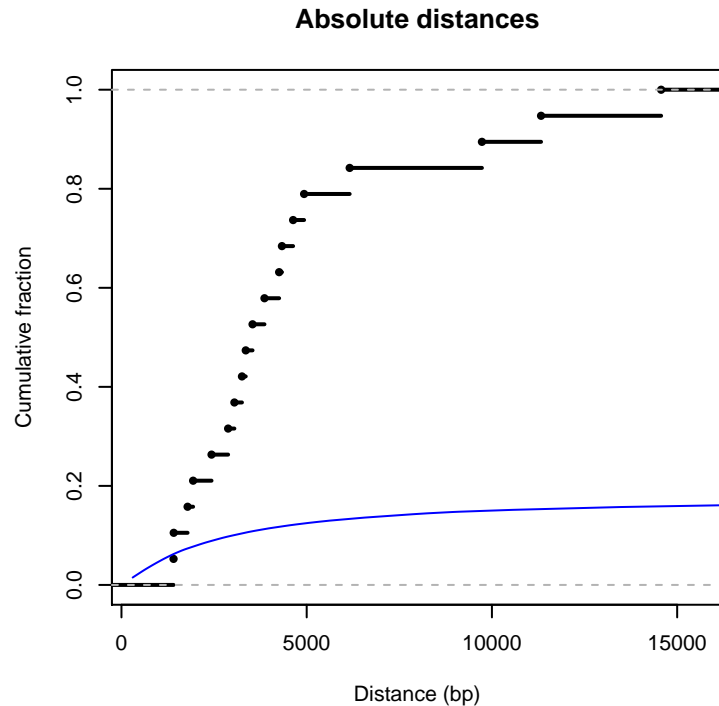
# pcontig\_058

Query population : 9  
Reference population : 95  
Relative Ks p-value : 0.0820546  
Relative ecdf deviation area : 0.0950847  
Relative ecdf area correlation : -0.377294  
Relative ecdf deviation area p-value : 0.04  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.48  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.358852  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



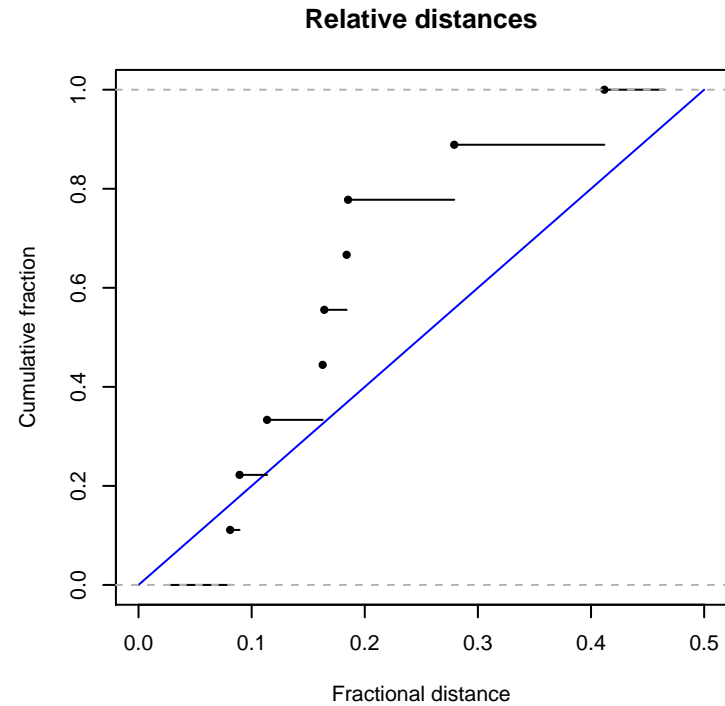
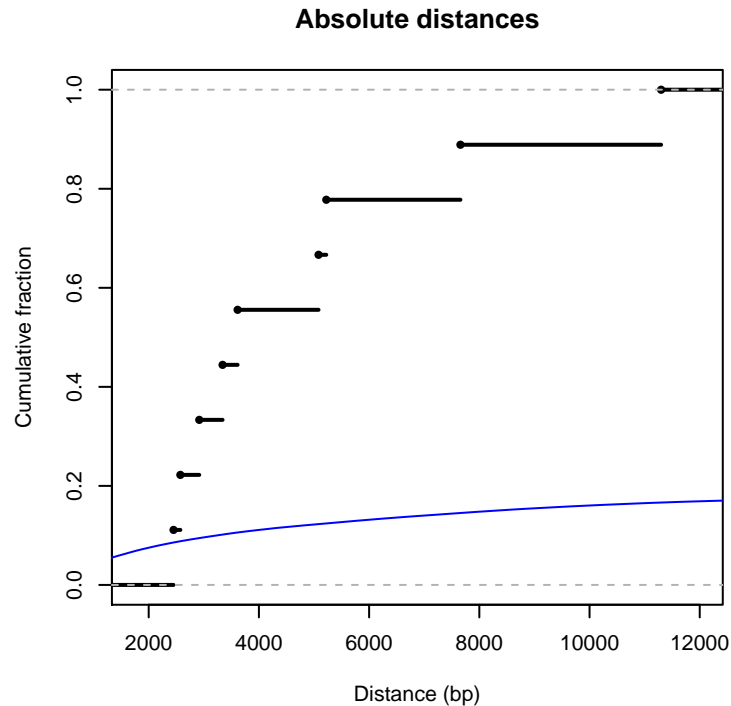
# pcontig\_059

Query population : 19  
Reference population : 76  
Relative Ks p-value : 0.0781466  
Relative ecdf deviation area : 0.0723623  
Relative ecdf area correlation : -0.28649  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.24  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.436343  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



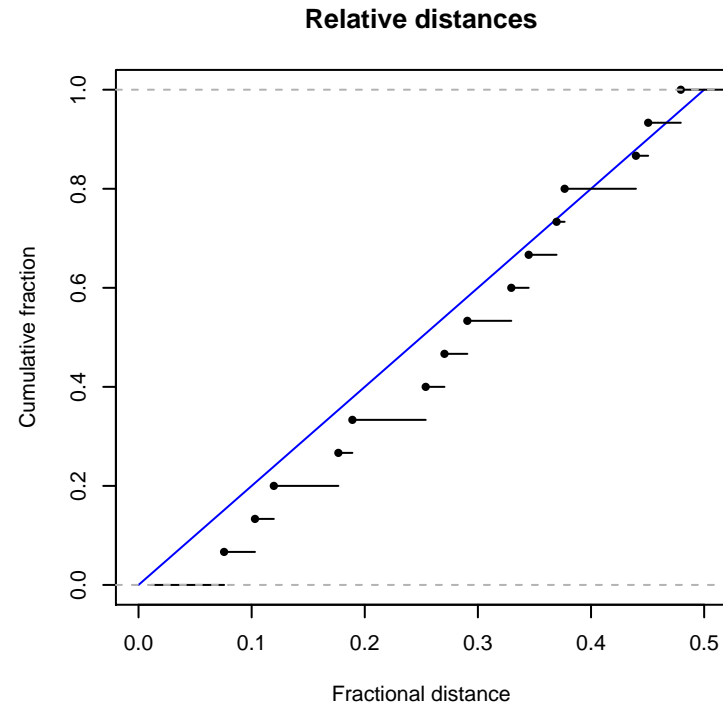
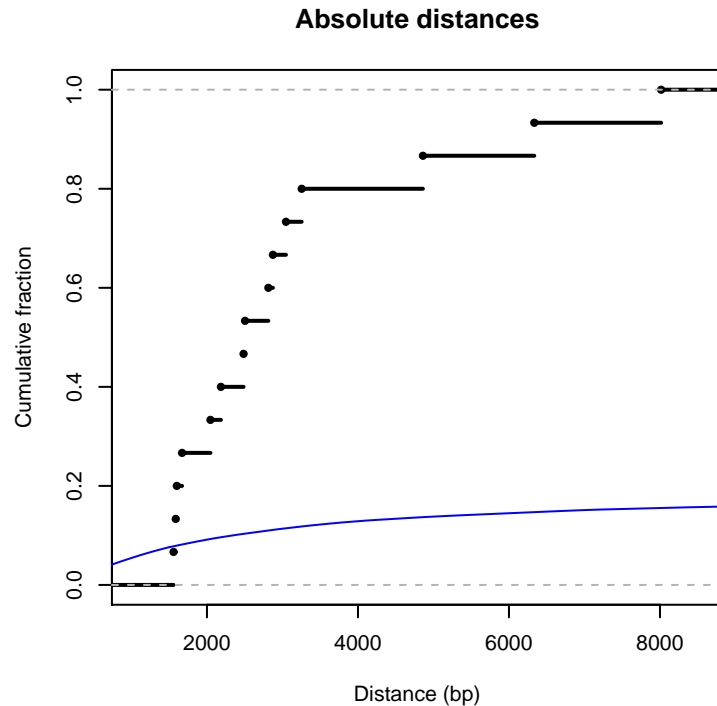
# pcontig\_060

Query population : 9  
Reference population : 67  
Relative Ks p-value : 0.0730555  
Relative ecdf deviation area : 0.0785986  
Relative ecdf area correlation : 0.25736  
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 : 0.49  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.328178  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



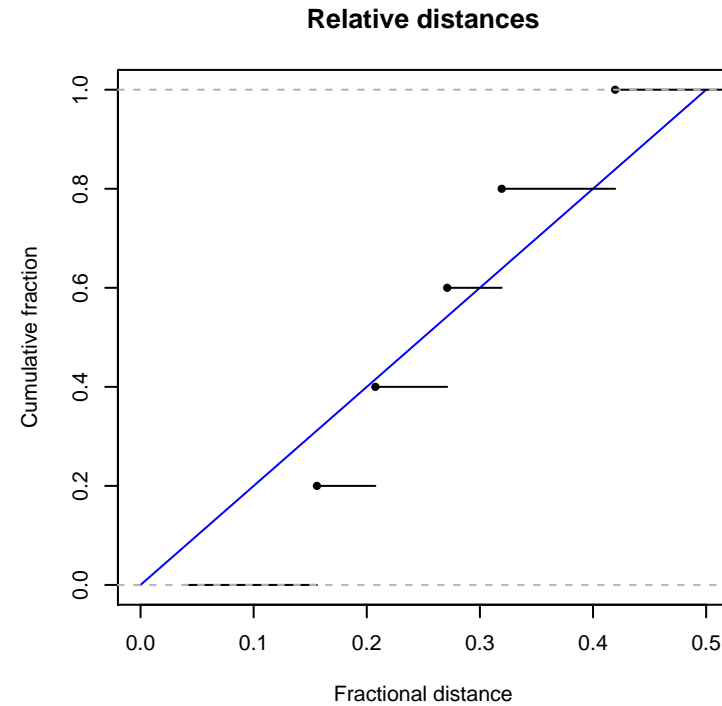
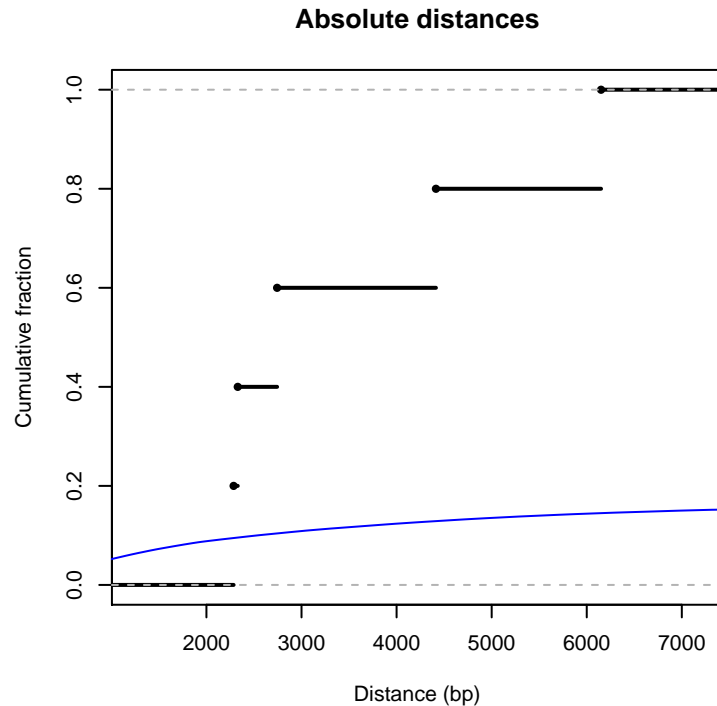
# pcontig\_062

Query population : 15  
Reference population : 85  
Relative Ks p-value : 0.689109  
Relative ecdf deviation area : 0.0367478  
Relative ecdf area correlation : -0.13844  
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 : 0.34  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.497699  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



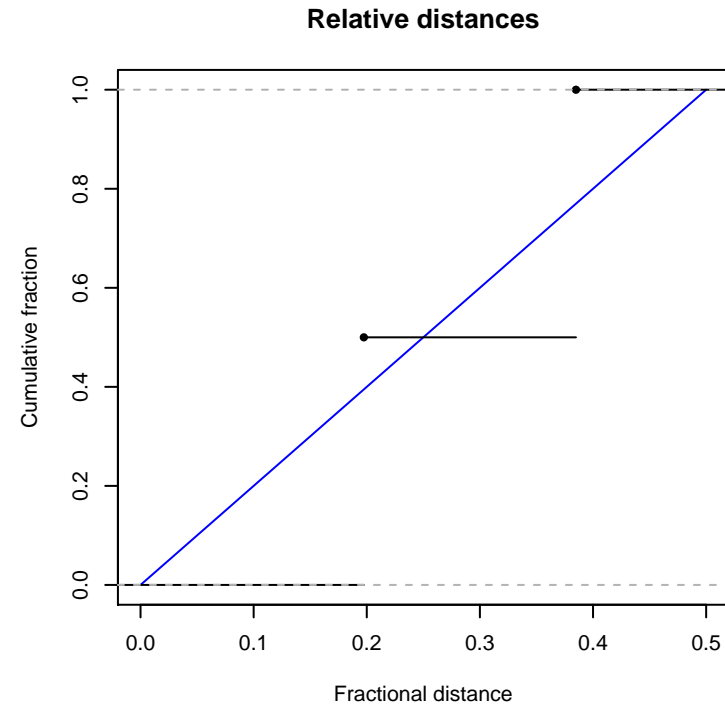
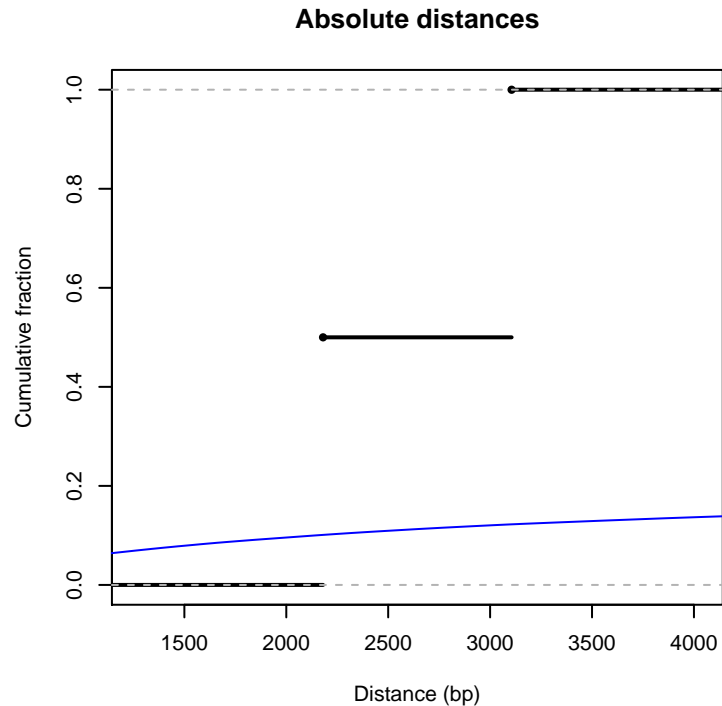
# pcontig\_064

Query population : 5  
Reference population : 84  
Relative Ks p-value : 0.617028  
Relative ecdf deviation area : 0.0520887  
Relative ecdf area correlation : -0.098789  
Relative ecdf deviation area p-value : 0.8  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.32  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.187752  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_065

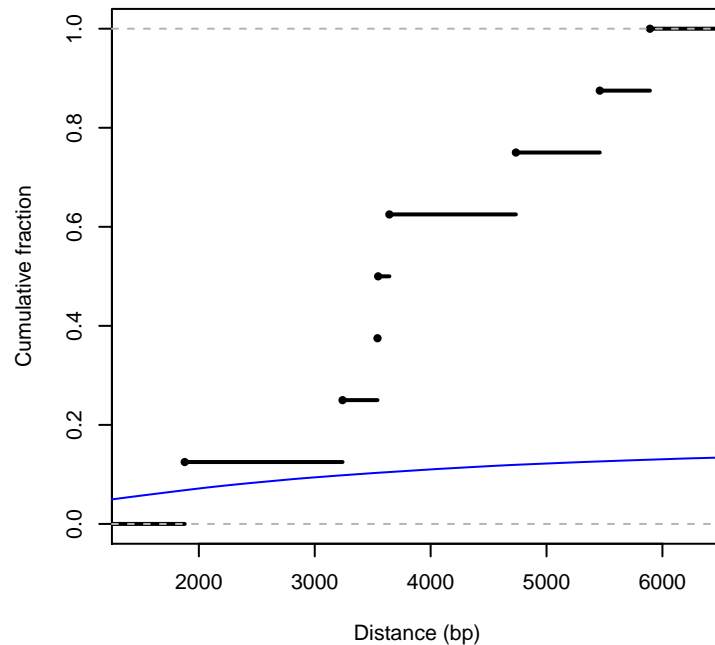
Query population : 2  
Reference population : 93  
Relative Ks p-value : 0.832214  
Relative ecdf deviation area : 0.0726753  
Relative ecdf area correlation : -0.164653  
Relative ecdf deviation area p-value : 0.84  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.13  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0873531  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



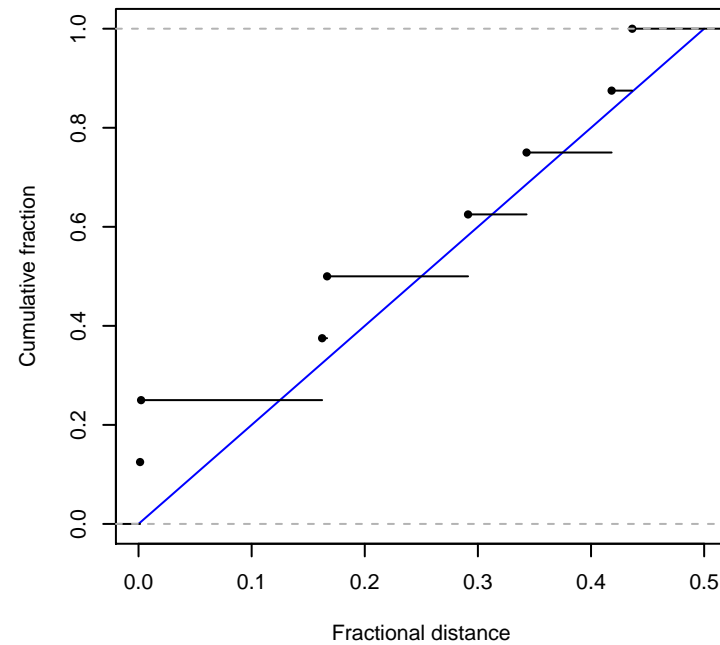
# pcontig\_066

Query population : 8  
Reference population : 66  
Relative Ks p-value : 0.635096  
Relative ecdf deviation area : 0.0337861  
Relative ecdf area correlation : 0.0892256  
Relative ecdf deviation area p-value : 0.82  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.35  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.201696  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

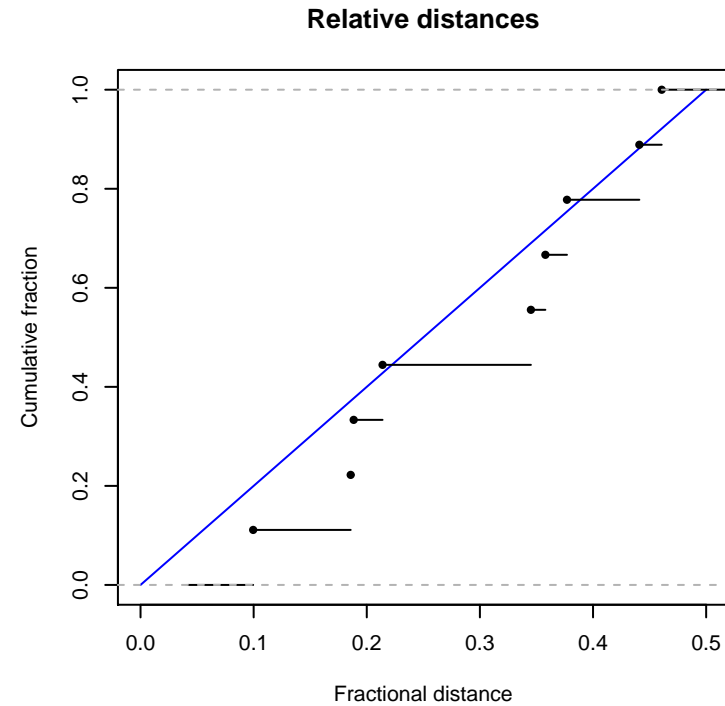
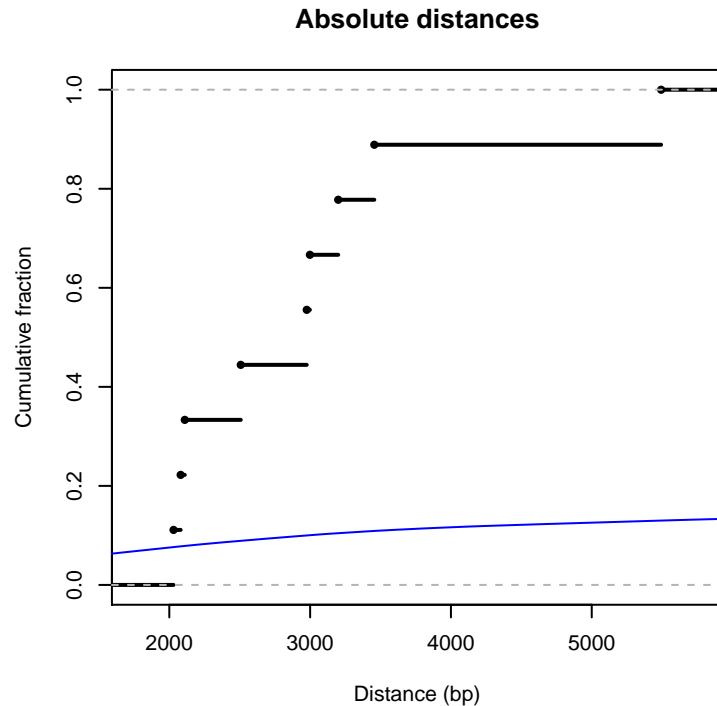


Relative distances



# pcontig\_067

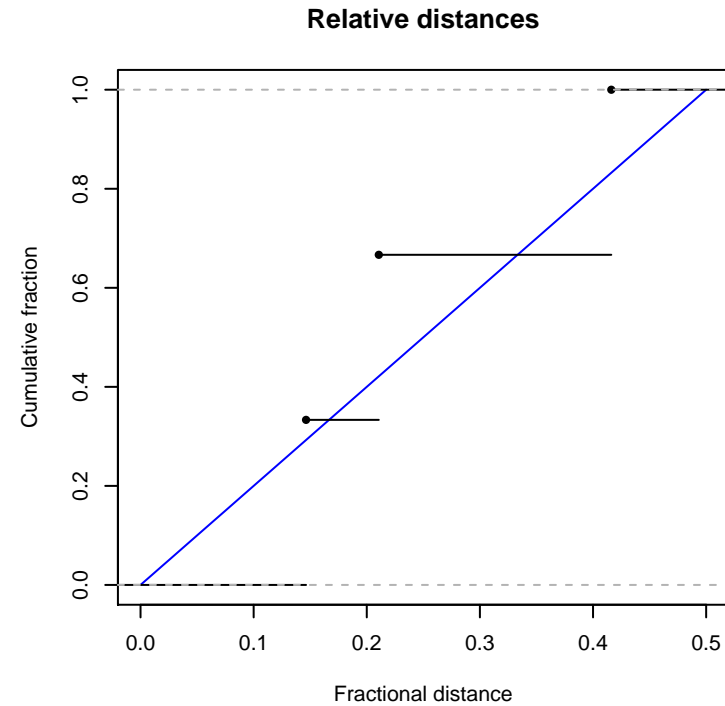
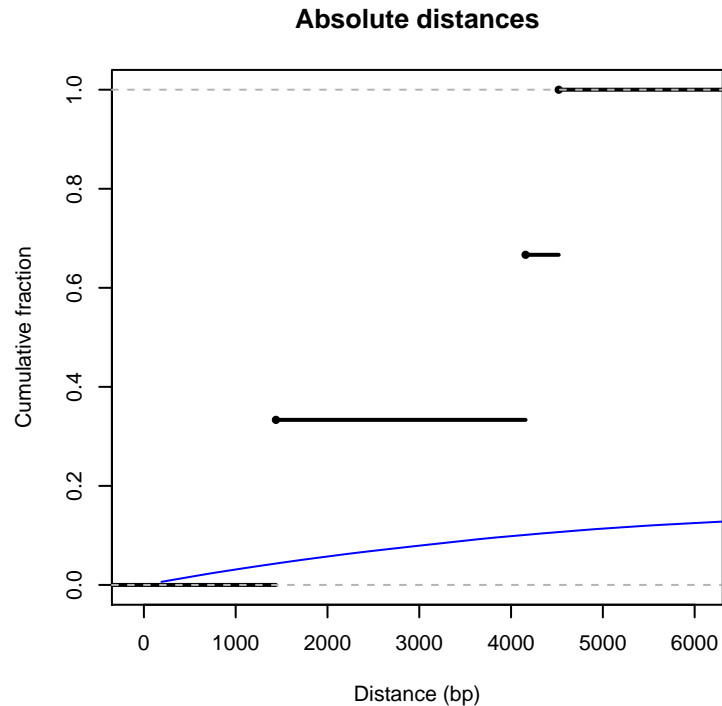
Query population : 9  
Reference population : 69  
Relative Ks p-value : 0.495648  
Relative ecdf deviation area : 0.0503948  
Relative ecdf area correlation : -0.18637  
Relative ecdf deviation area p-value : 0.52  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.4  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.269115  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





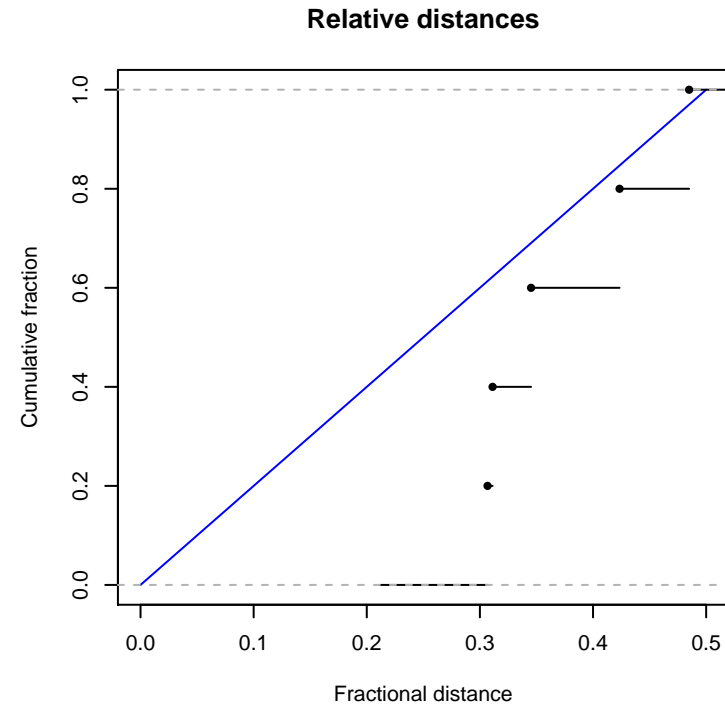
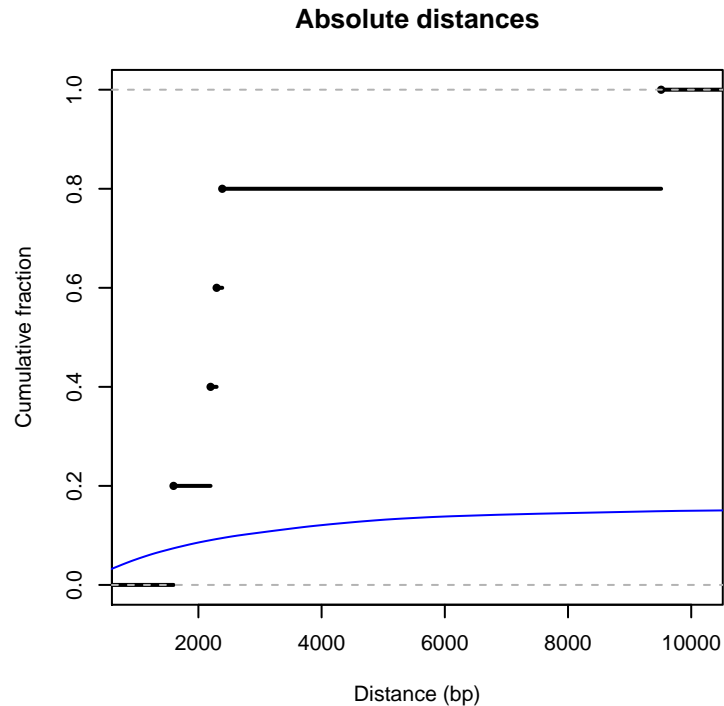
# pcontig\_068

Query population : 3  
Reference population : 50  
Relative Ks p-value : 0.904064  
Relative ecdf deviation area : 0.0525191  
Relative ecdf area correlation : -0.0307972  
Relative ecdf deviation area p-value : 0.89  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.06000000000000001  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0549723  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



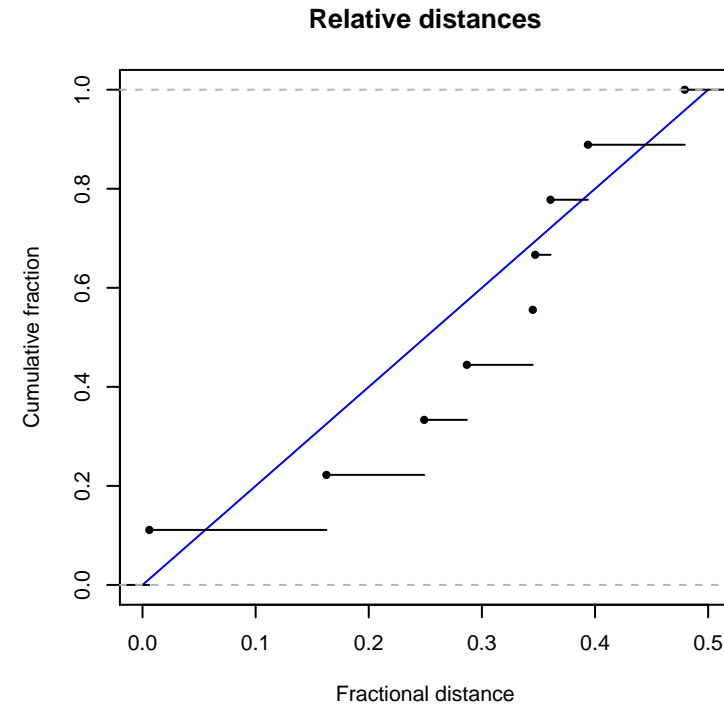
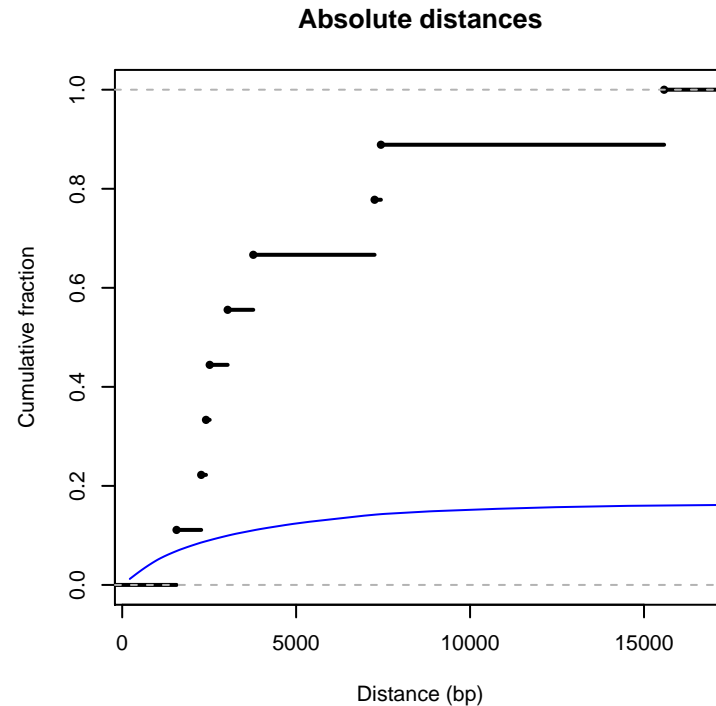
# pcontig\_069

Query population : 5  
Reference population : 86  
Relative Ks p-value : 0.0246655  
Relative ecdf deviation area : 0.12443  
Relative ecdf area correlation : -0.497281  
Relative ecdf deviation area p-value : 0.05  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.37  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.186407  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



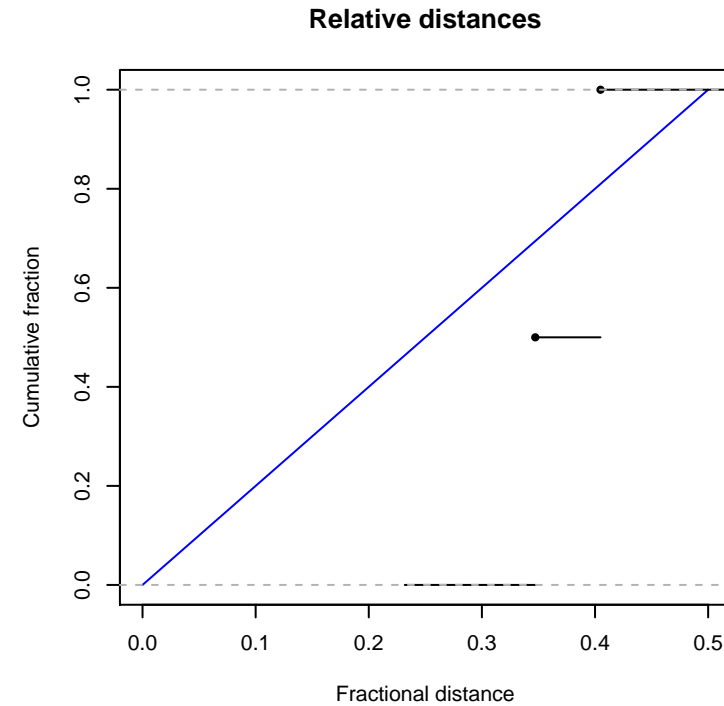
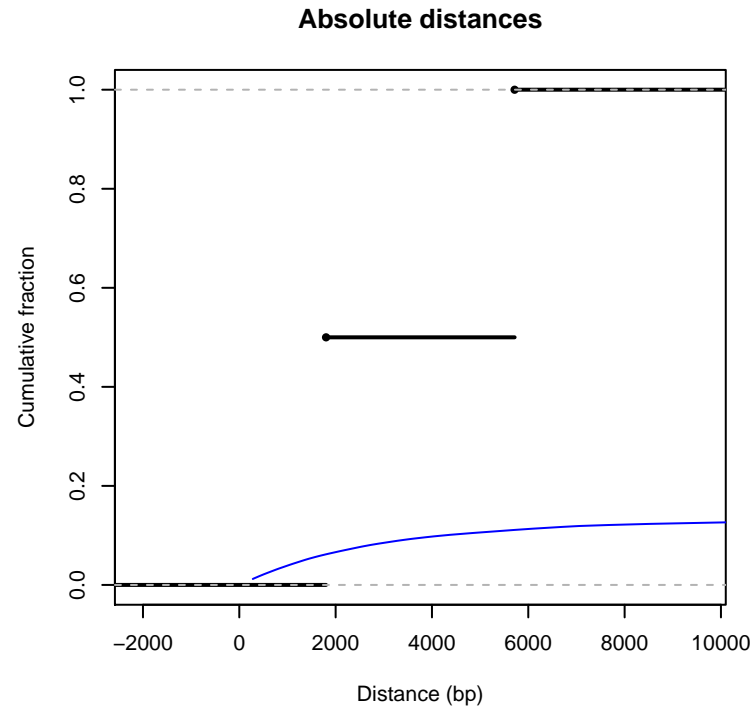
# pcontig\_070

Query population : 9  
Reference population : 85  
Relative Ks p-value : 0.424688  
Relative ecdf deviation area : 0.0549298  
Relative ecdf area correlation : -0.168915  
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 : 0.45  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.25363  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



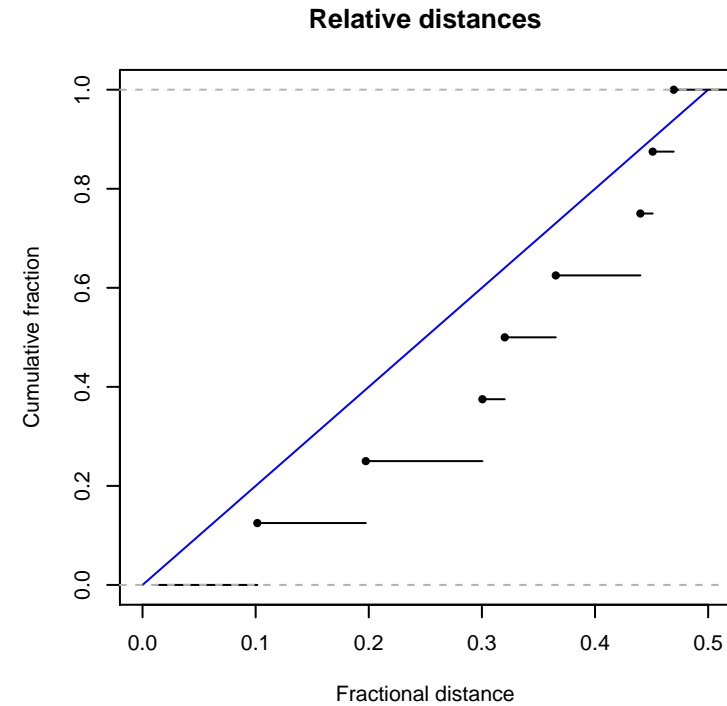
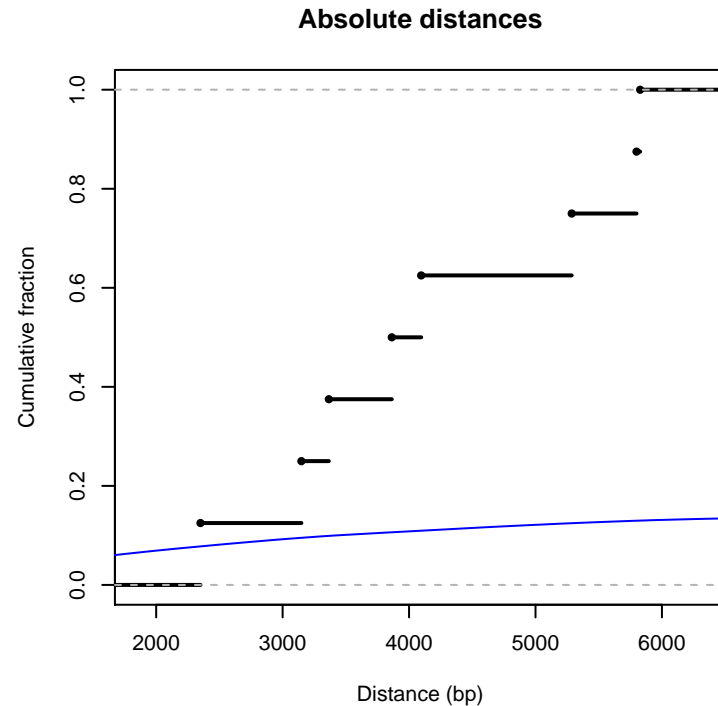
# pcontig\_072

Query population : 2  
Reference population : 66  
Relative Ks p-value : 0.18684  
Relative ecdf deviation area : 0.144381  
Relative ecdf area correlation : -0.504043  
Relative ecdf deviation area p-value : 0.23  
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 : 0.0567203  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



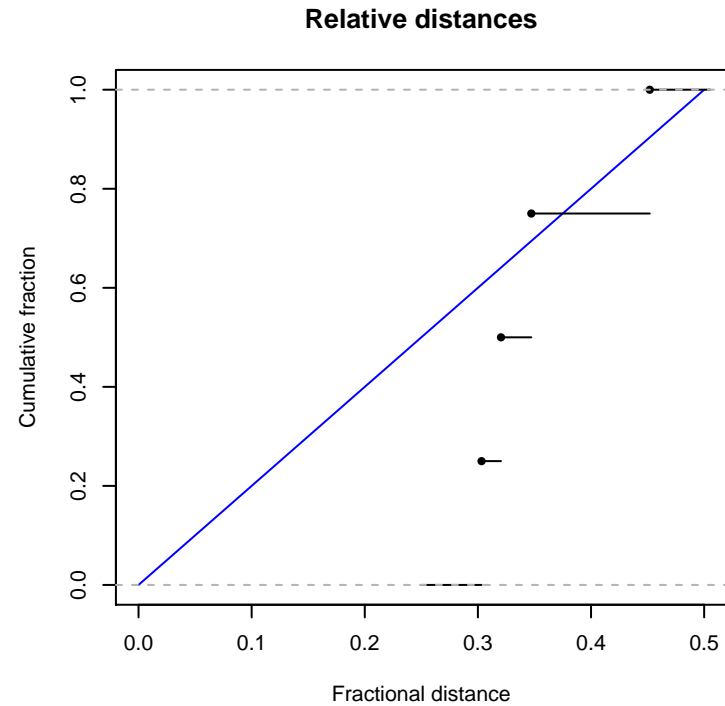
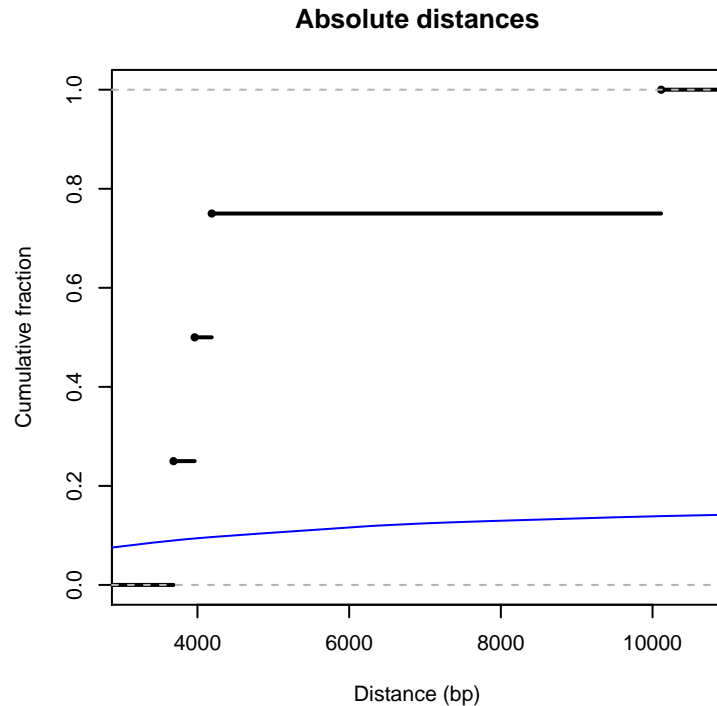
# pcontig\_073

Query population : 8  
Reference population : 65  
Relative Ks p-value : 0.219105  
Relative ecdf deviation area : 0.083525  
Relative ecdf area correlation : -0.322708  
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 : 0.33  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.222814  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



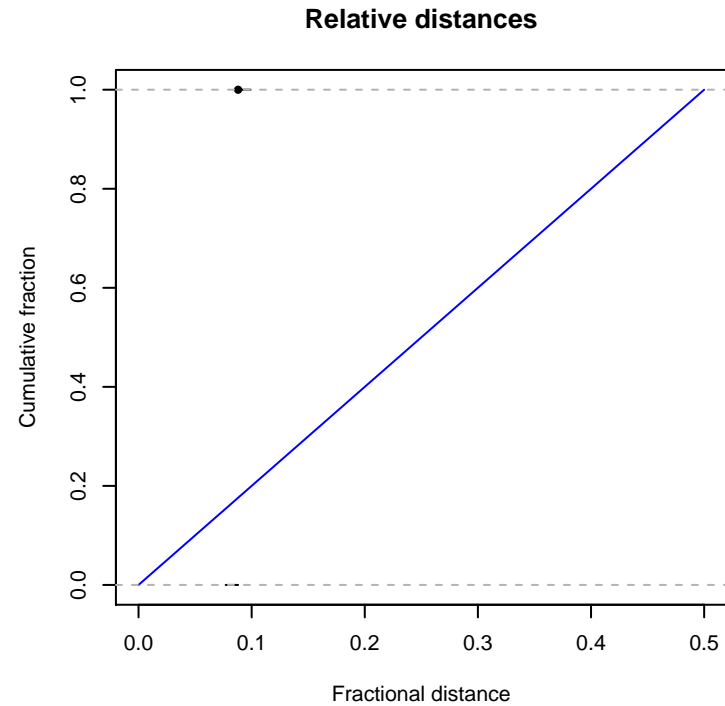
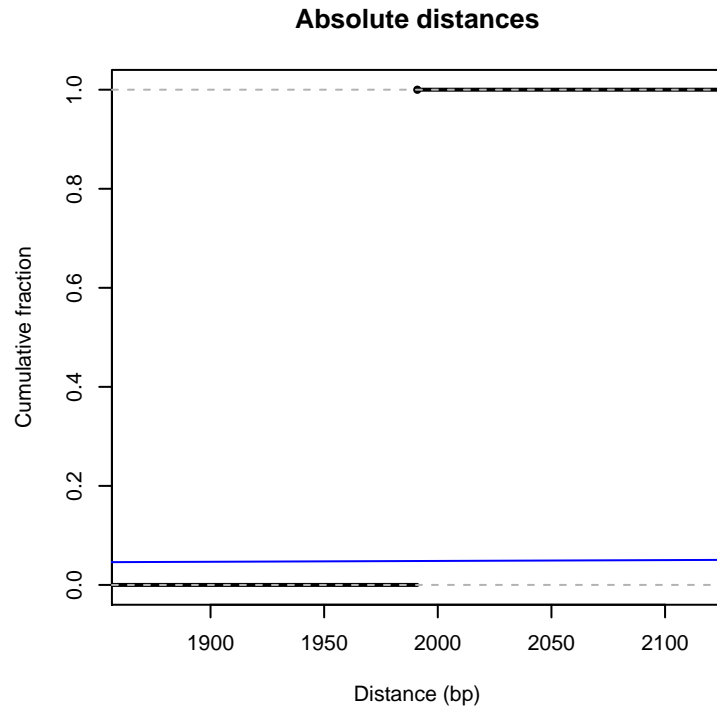
# pcontig\_074

Query population : 4  
Reference population : 50  
Relative Ks p-value : 0.0623457  
Relative ecdf deviation area : 0.112236  
Relative ecdf area correlation : -0.4228  
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 : 0.23  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0938148  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_075

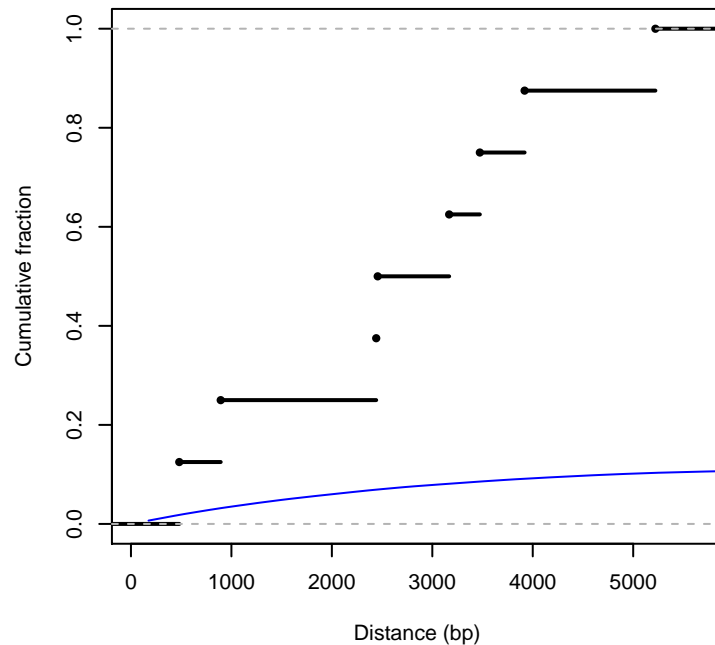
Query population : 1  
Reference population : 51  
Relative Ks p-value : 0.352047  
Relative ecdf deviation area : 0.177574  
Relative ecdf area correlation : 0.647953  
Relative ecdf deviation area p-value : 0.35  
Scaled Absolute min. distance p-value : 0.07  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0142773  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



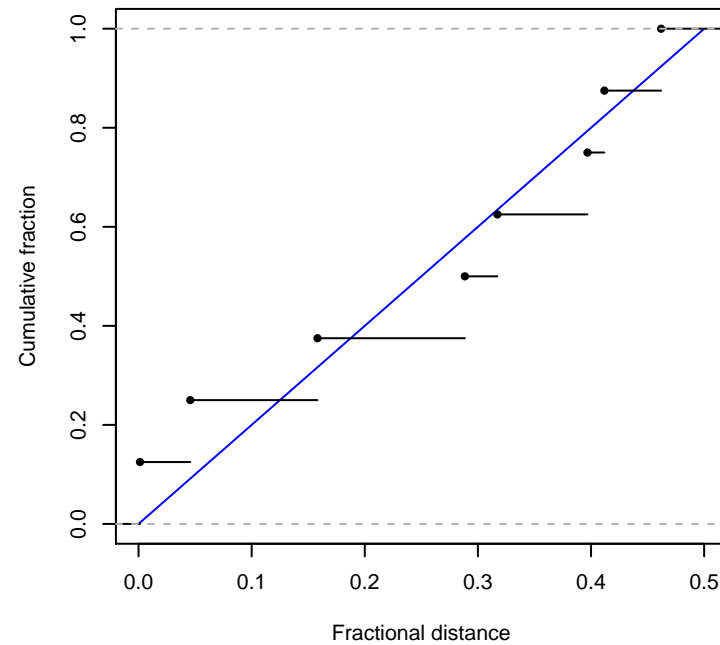
# pcontig\_077

Query population : 8  
Reference population : 59  
Relative Ks p-value : 0.84001  
Relative ecdf deviation area : 0.0354654  
Relative ecdf area correlation : -0.0407974  
Relative ecdf deviation area p-value : 0.76  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.47  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.22207  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances



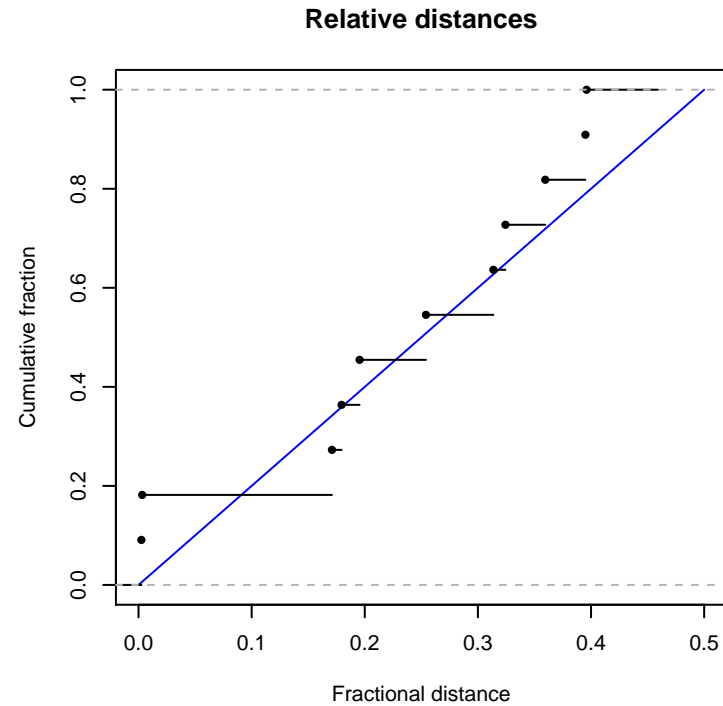
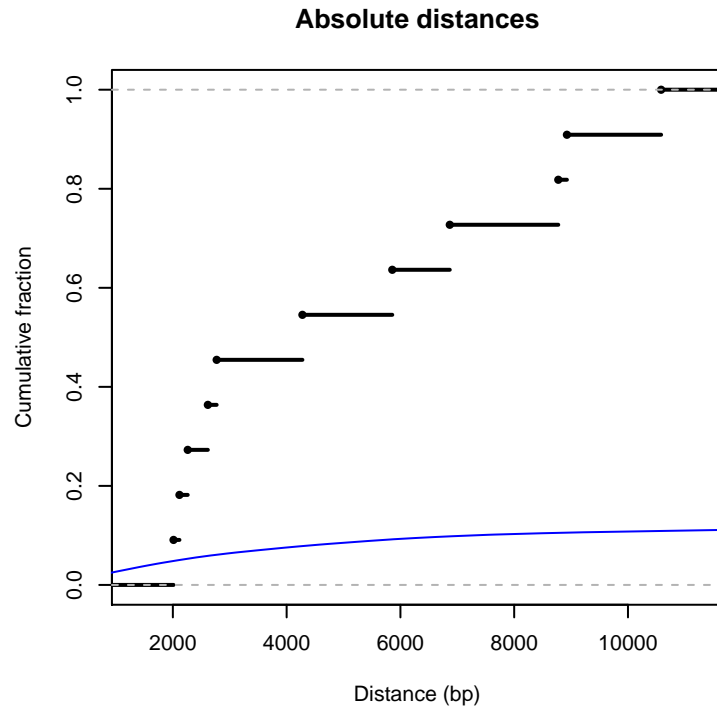
Relative distances





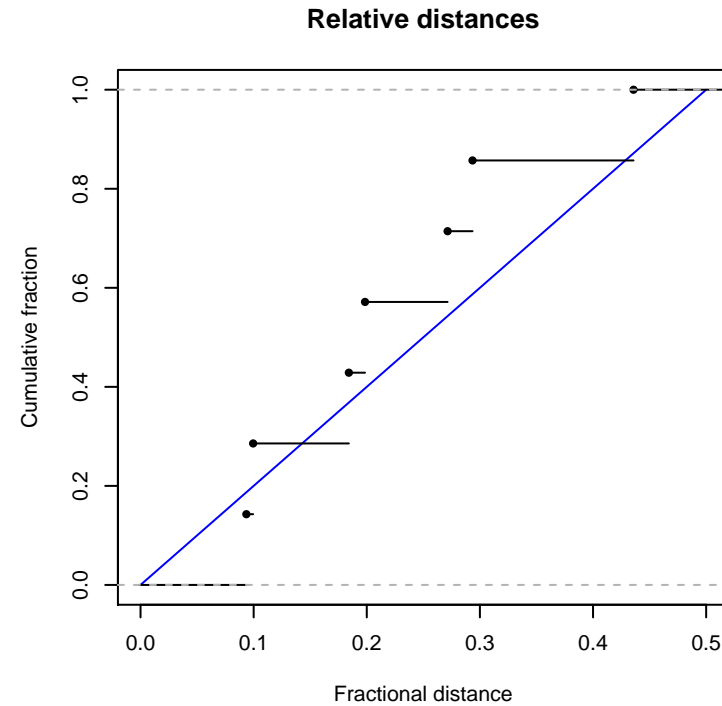
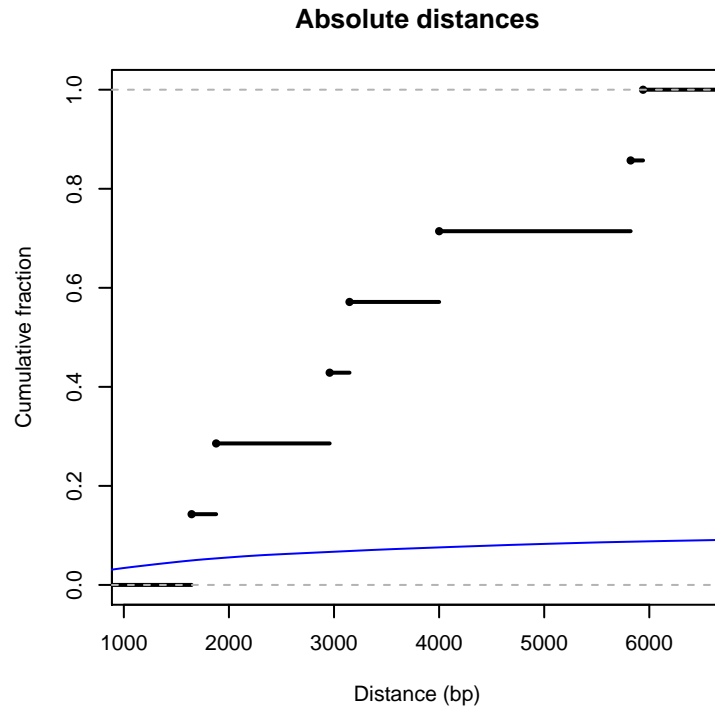
# pcontig\_078

Query population : 11  
Reference population : 42  
Relative Ks p-value : 0.656648  
Relative ecdf deviation area : 0.0338432  
Relative ecdf area correlation : 0.0565716  
Relative ecdf deviation area p-value : 0.61  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.34  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.199362  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



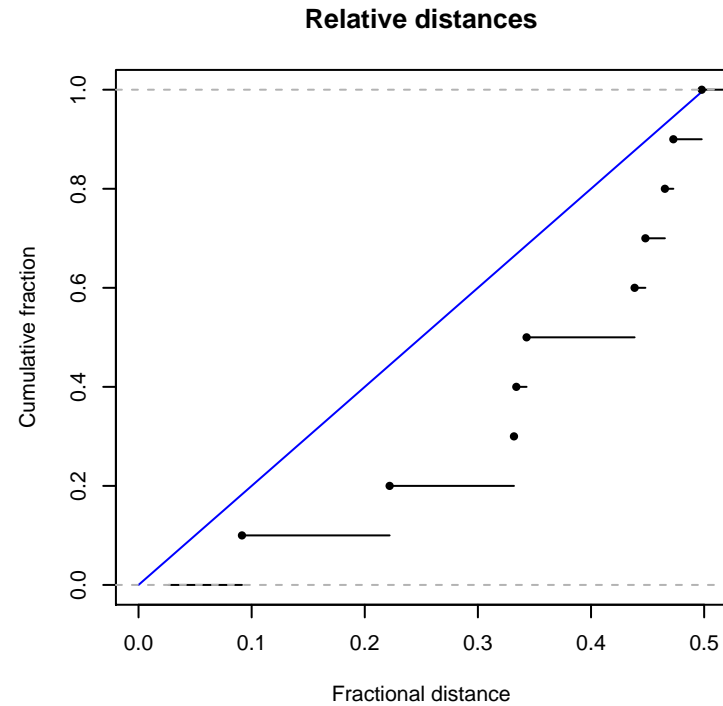
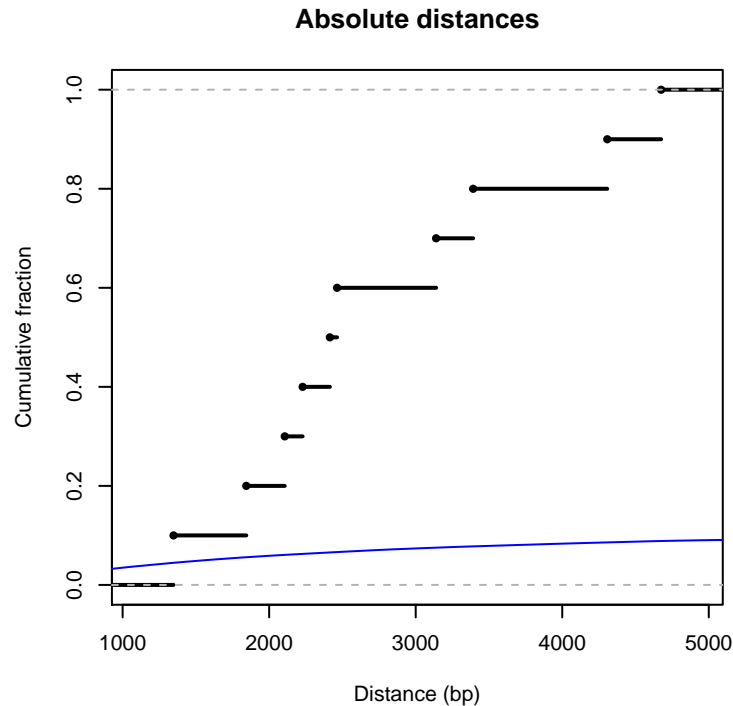
# pcontig\_080

Query population : 7  
Reference population : 58  
Relative Ks p-value : 0.594307  
Relative ecdf deviation area : 0.0462713  
Relative ecdf area correlation : 0.0991818  
Relative ecdf deviation area p-value : 0.72  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.26  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.169299  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



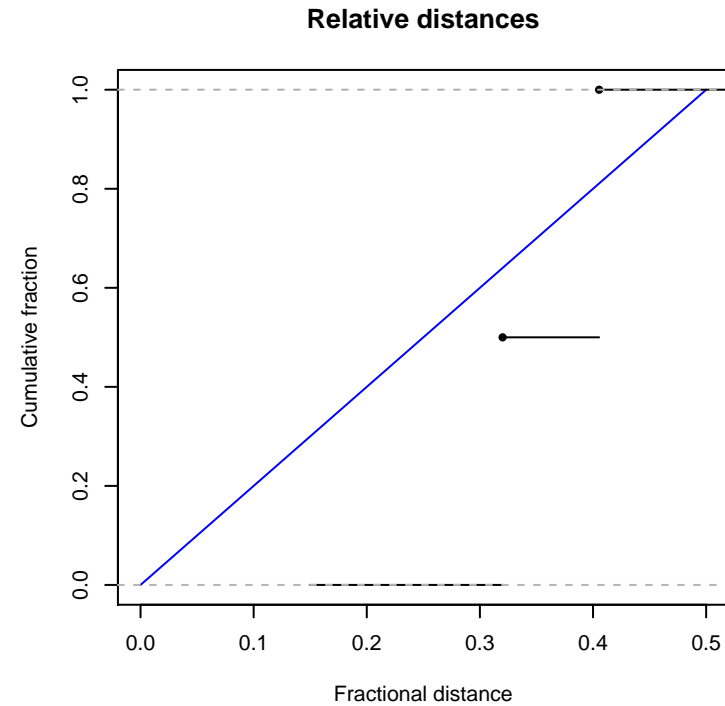
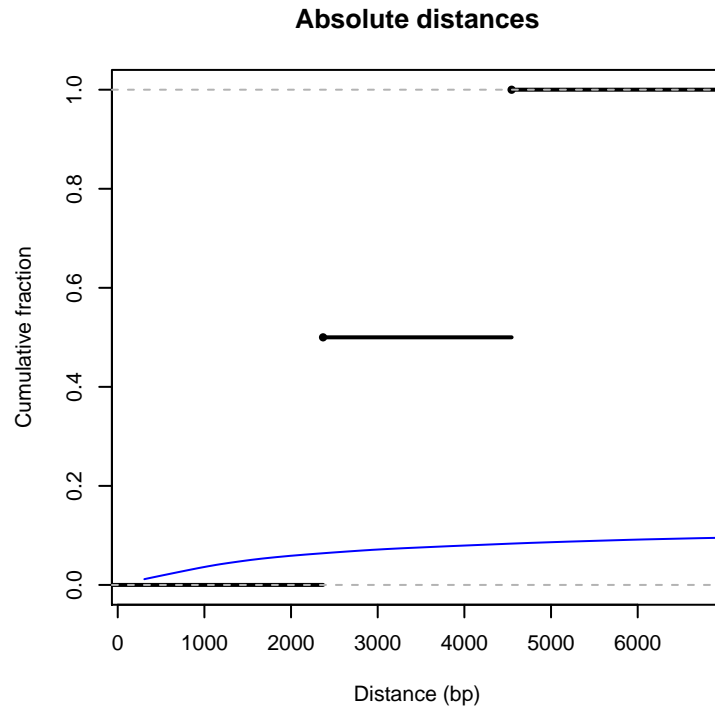
# pcontig\_081

Query population : 10  
Reference population : 55  
Relative Ks p-value : 0.017237  
Relative ecdf deviation area : 0.114153  
Relative ecdf area correlation : -0.457923  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.39  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.230029  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



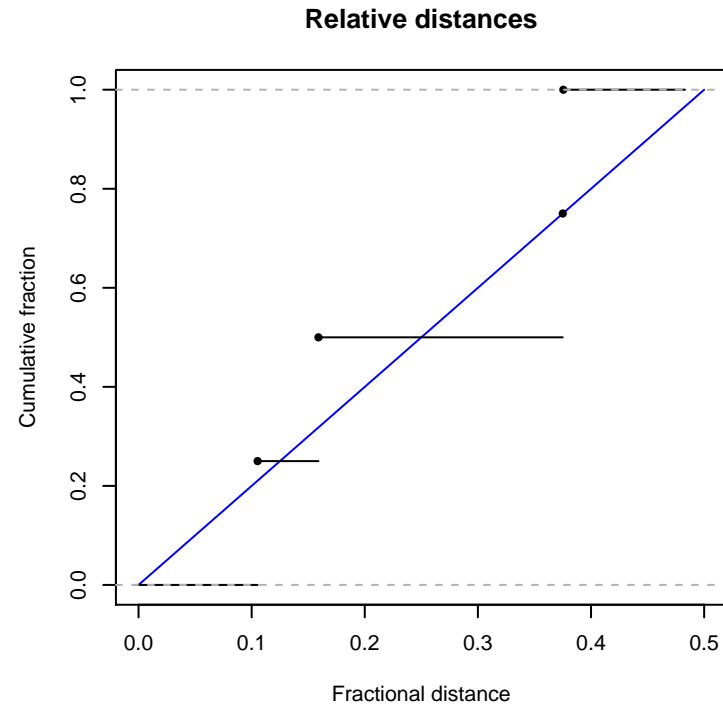
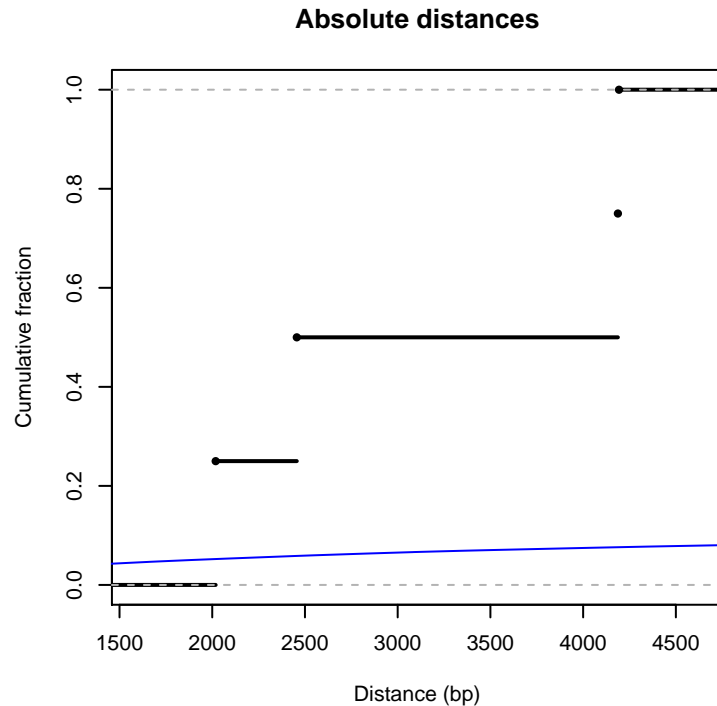
# pcontig\_082

Query population : 2  
Reference population : 58  
Relative Ks p-value : 0.258965  
Relative ecdf deviation area : 0.130575  
Relative ecdf area correlation : -0.450942  
Relative ecdf deviation area p-value : 0.35  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.12  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0495536  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



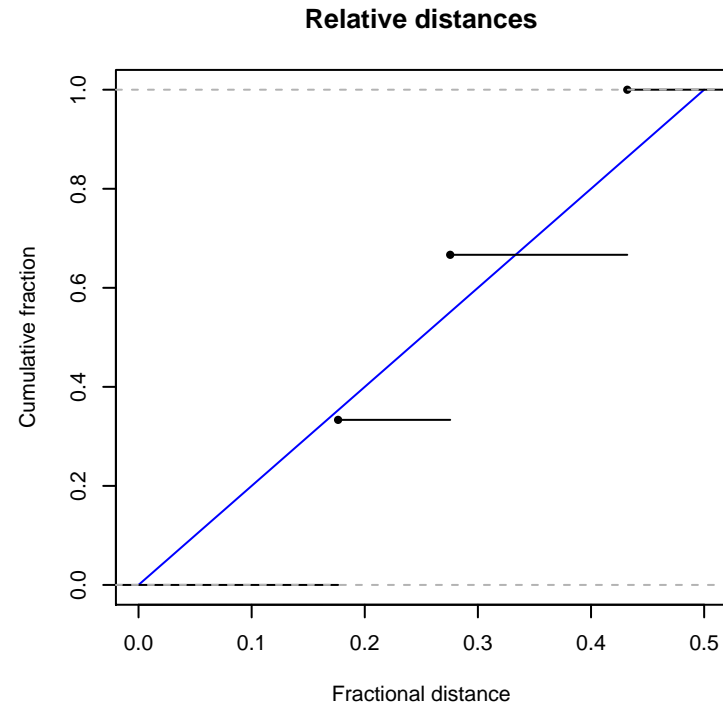
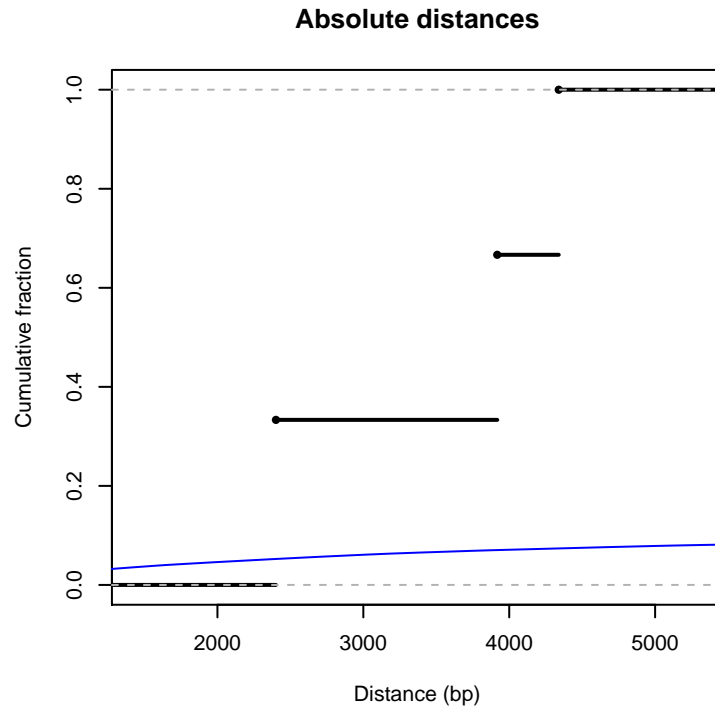
# pcontig\_083

Query population : 4  
Reference population : 50  
Relative Ks p-value : 0.906225  
Relative ecdf deviation area : 0.0520896  
Relative ecdf area correlation : -0.0148656  
Relative ecdf deviation area p-value : 0.89  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.17  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0916072  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



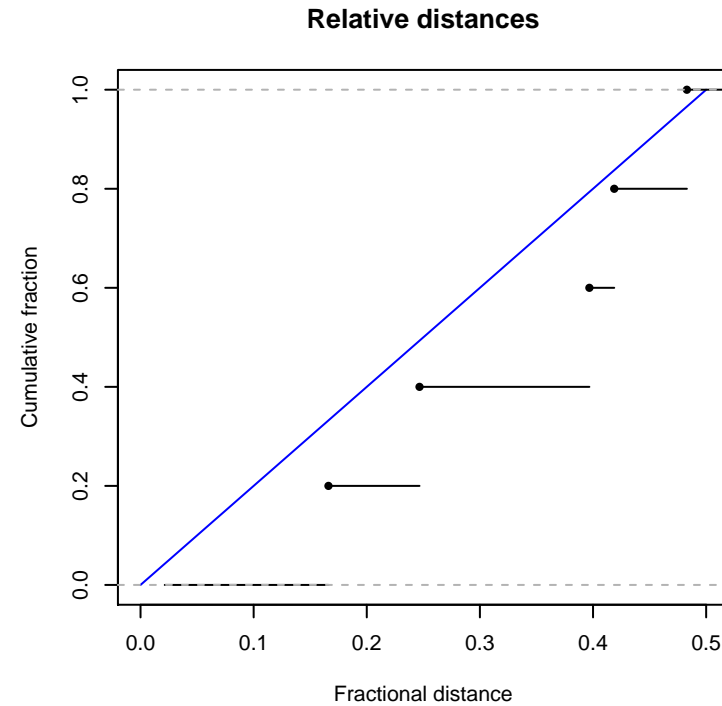
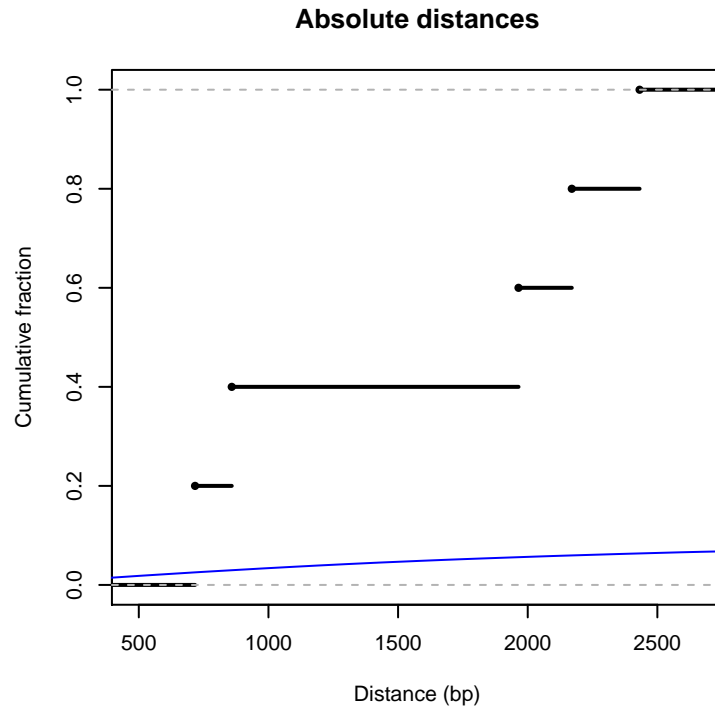
# pcontig\_084

Query population : 3  
Reference population : 41  
Relative Ks p-value : 0.725154  
Relative ecdf deviation area : 0.060596  
Relative ecdf area correlation : -0.178633  
Relative ecdf deviation area p-value : 0.86  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.08  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0561162  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



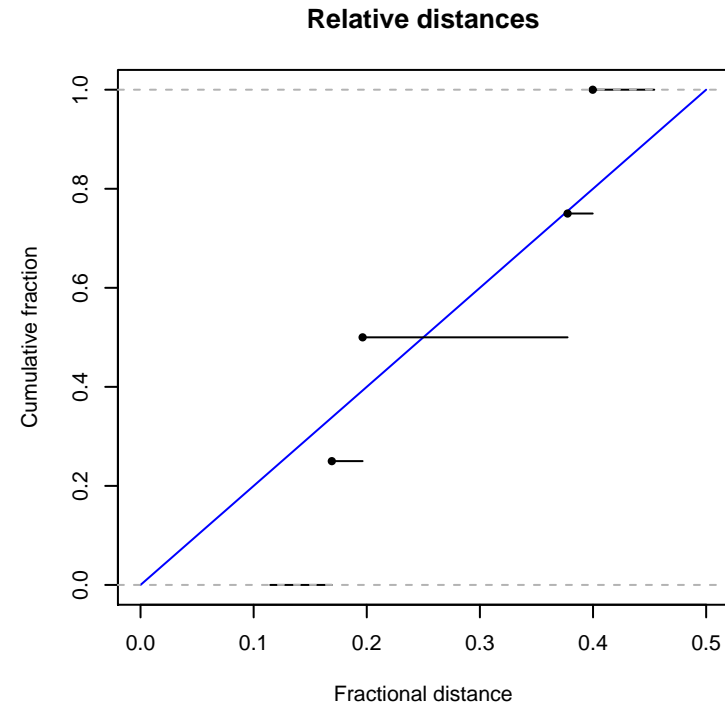
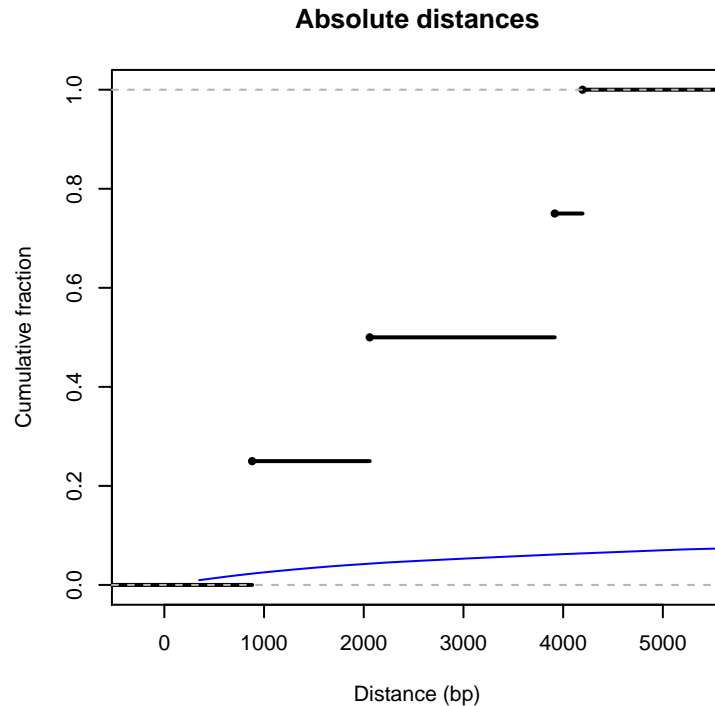
# pcontig\_086

Query population : 5  
Reference population : 57  
Relative Ks p-value : 0.326248  
Relative ecdf deviation area : 0.0922417  
Relative ecdf area correlation : -0.369014  
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 : 0.24  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.104587  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_087

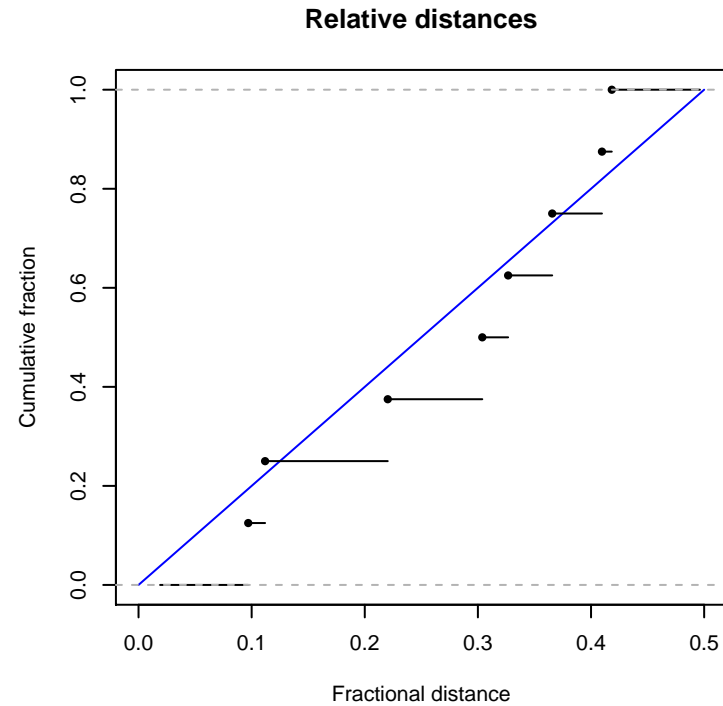
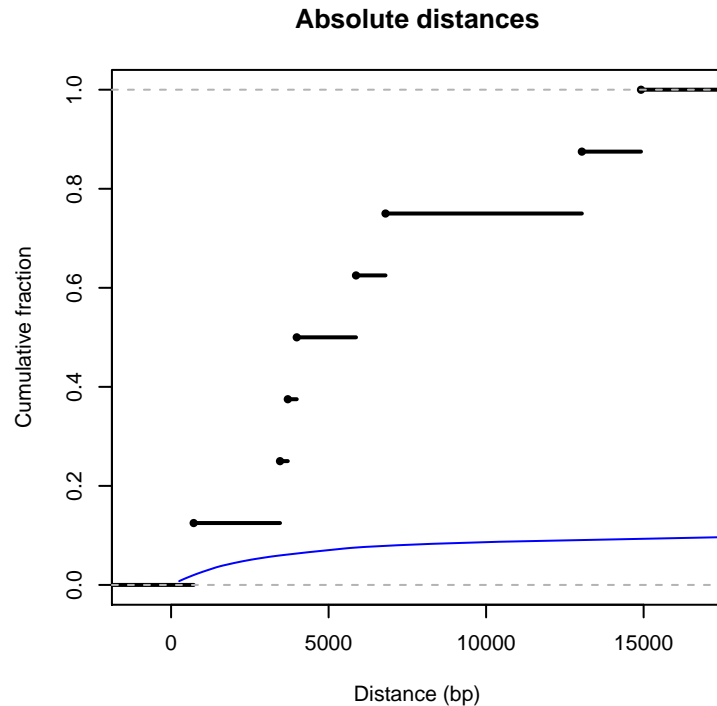
Query population : 4  
Reference population : 42  
Relative Ks p-value : 0.645495  
Relative ecdf deviation area : 0.0615513  
Relative ecdf area correlation : -0.142623  
Relative ecdf deviation area p-value : 0.68  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.11  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0789708  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





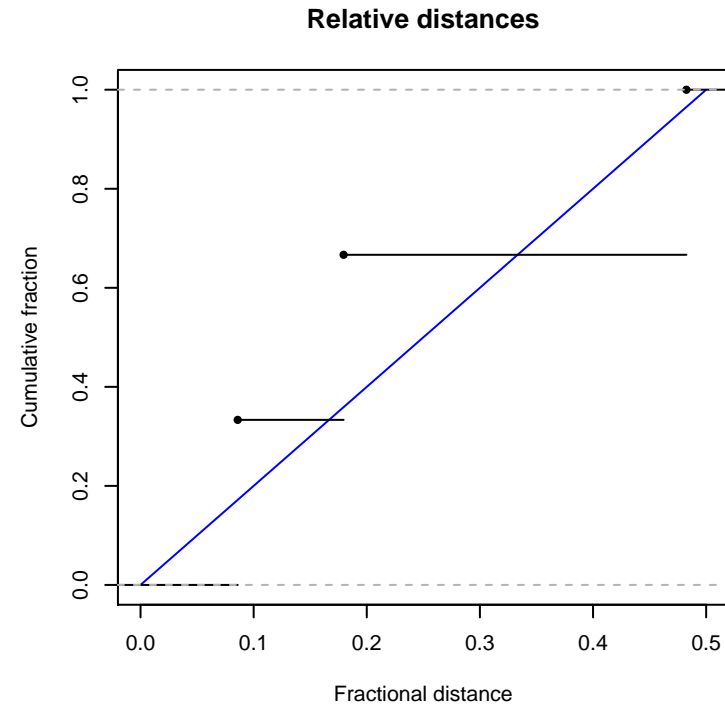
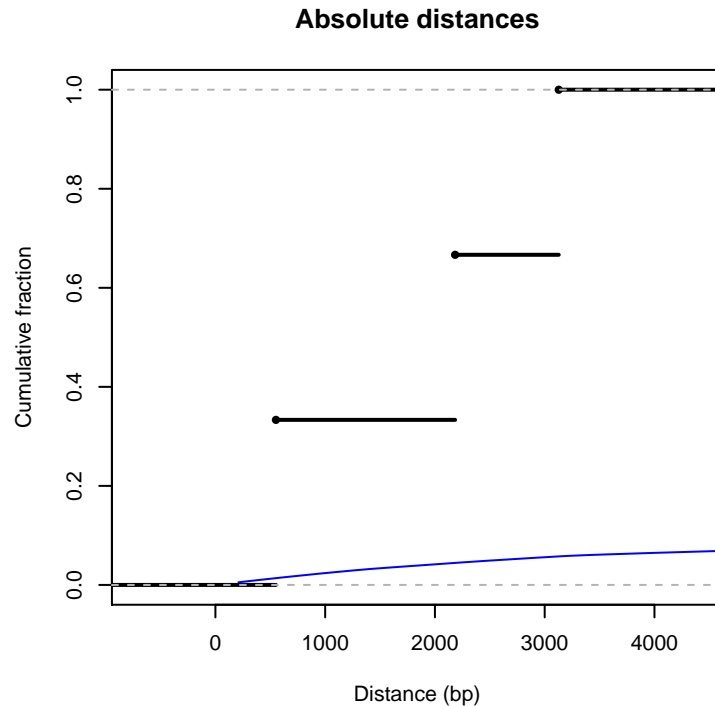
# pcontig\_088

Query population : 8  
Reference population : 46  
Relative Ks p-value : 0.697293  
Relative ecdf deviation area : 0.0467353  
Relative ecdf area correlation : -0.126724  
Relative ecdf deviation area p-value : 0.62  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.38  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.147645  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



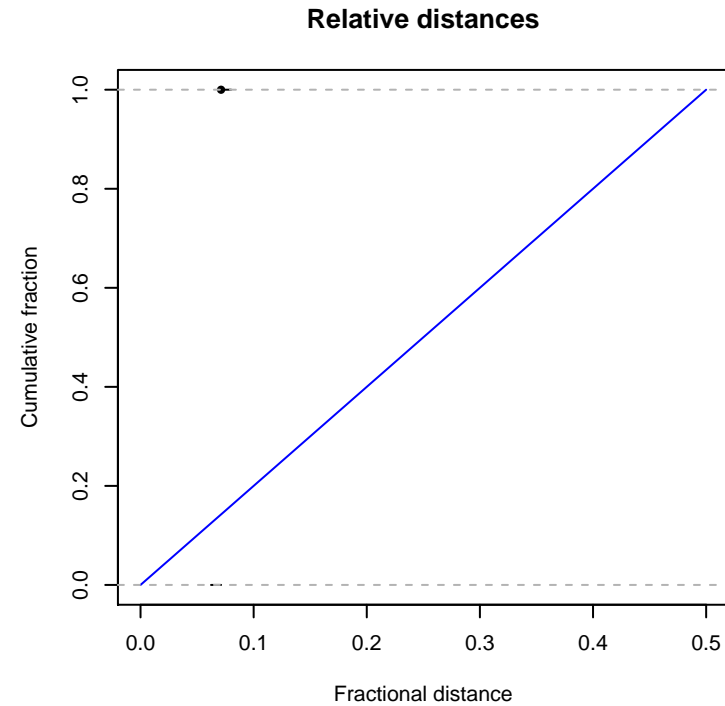
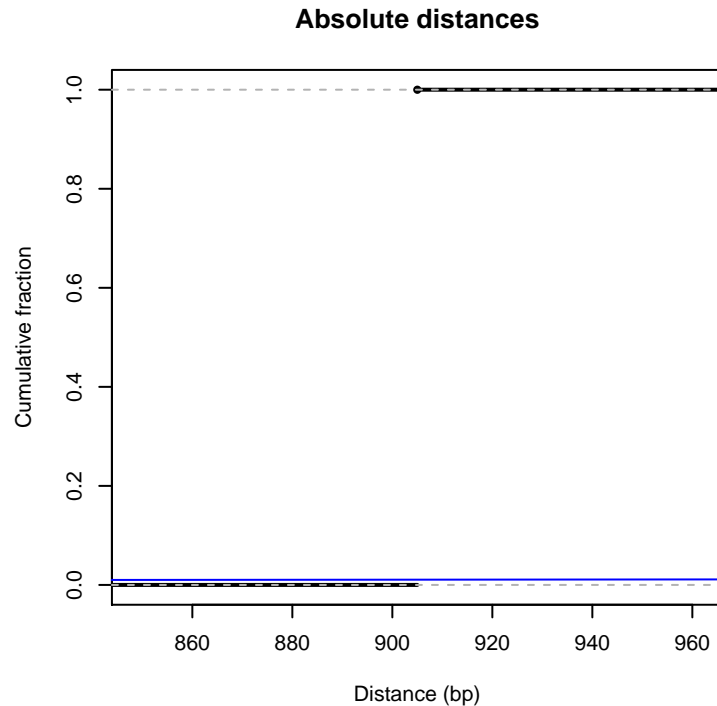
# pcontig\_089

Query population : 3  
Reference population : 39  
Relative Ks p-value : 0.865499  
Relative ecdf deviation area : 0.0603392  
Relative ecdf area correlation : 0.00274317  
Relative ecdf deviation area p-value : 0.75  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.07  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0586958  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



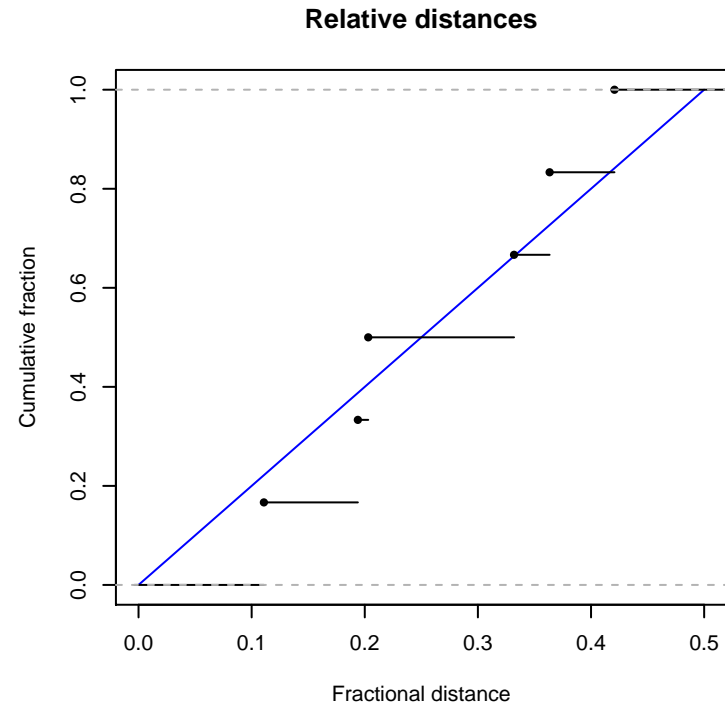
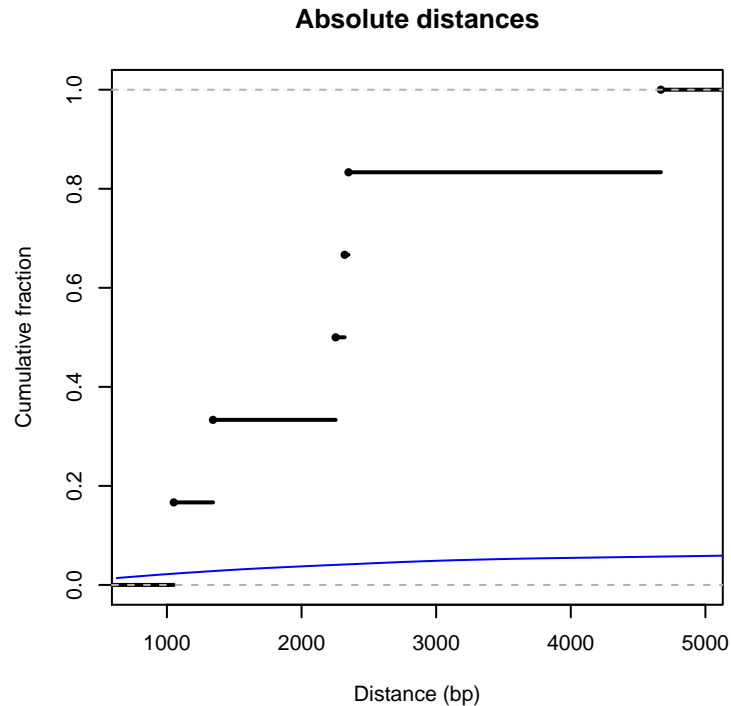
# pcontig\_090

Query population : 1  
Reference population : 20  
Relative Ks p-value : 0.284804  
Relative ecdf deviation area : 0.189188  
Relative ecdf area correlation : 0.715196  
Relative ecdf deviation area p-value : 0.26  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00932154  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_091

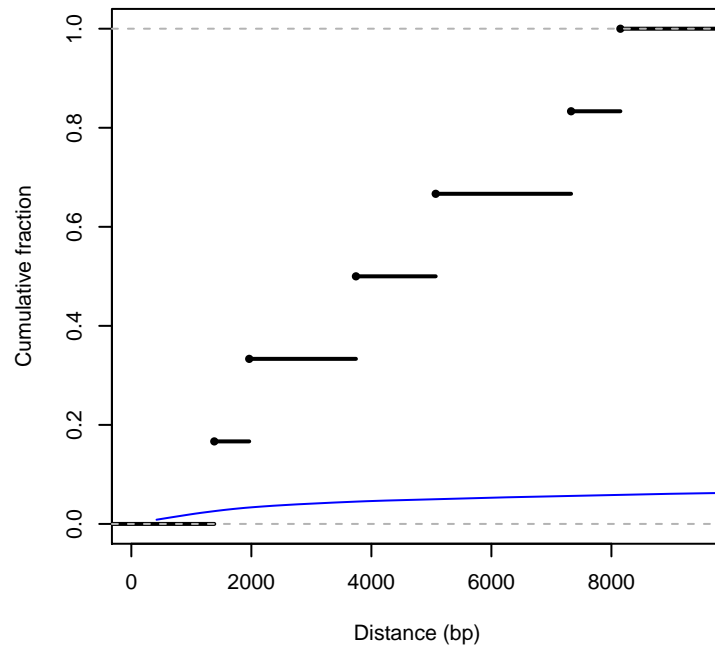
Query population : 6  
Reference population : 34  
Relative Ks p-value : 0.873276  
Relative ecdf deviation area : 0.0428832  
Relative ecdf area correlation : -0.082566  
Relative ecdf deviation area p-value : 0.79  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.11  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.105997  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



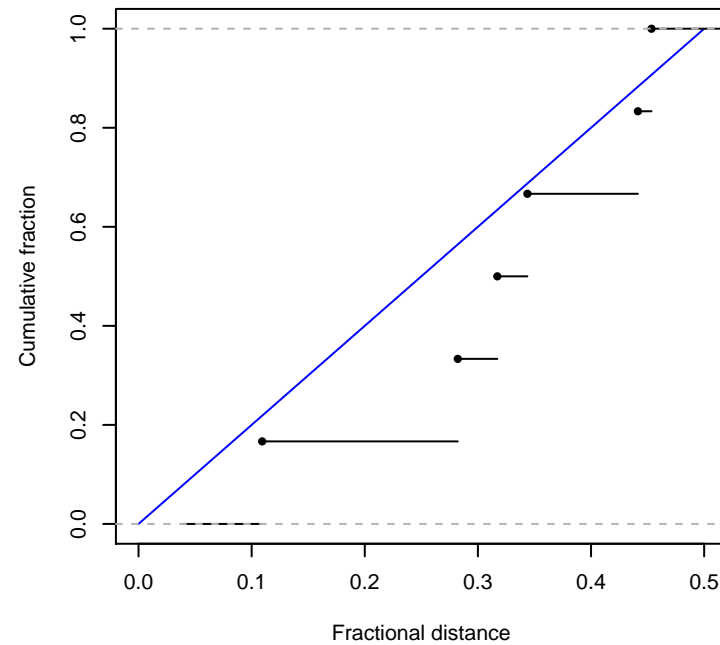
# pcontig\_092

Query population : 6  
Reference population : 31  
Relative Ks p-value : 0.229465  
Relative ecdf deviation area : 0.0789088  
Relative ecdf area correlation : -0.298226  
Relative ecdf deviation area p-value : 0.21  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.22  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.110298  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

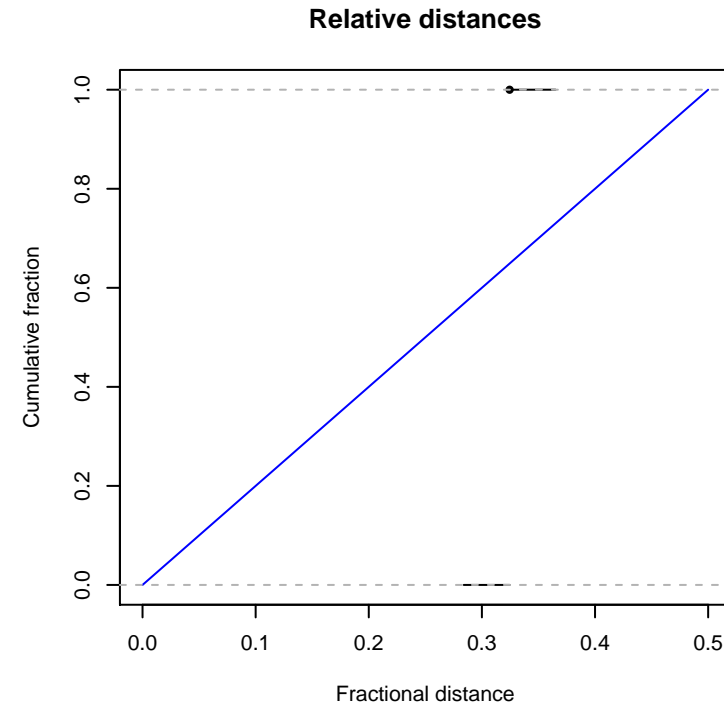
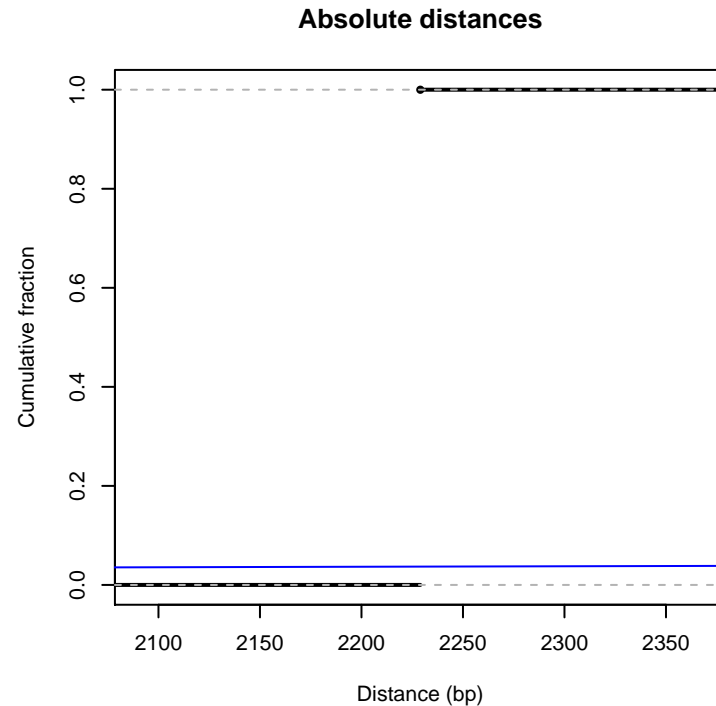


Relative distances



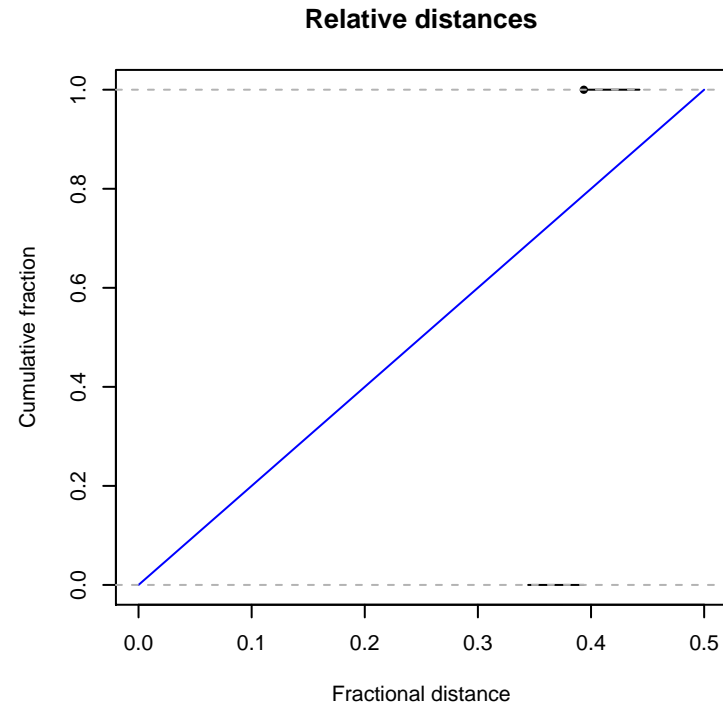
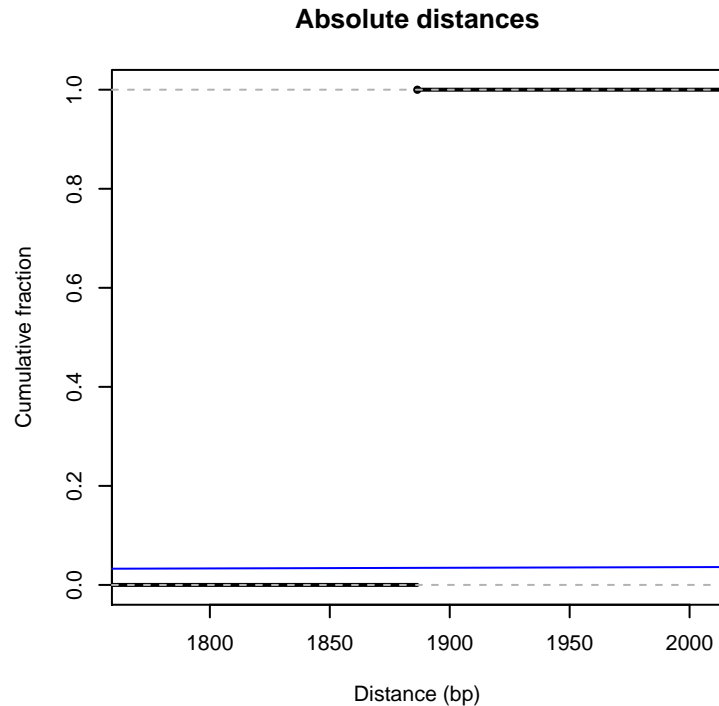
# pcontig\_095

Query population : 1  
Reference population : 34  
Relative Ks p-value : 0.701994  
Relative ecdf deviation area : 0.136029  
Relative ecdf area correlation : -0.298006  
Relative ecdf deviation area p-value : 0.66  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.06000000000000001  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0160502  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



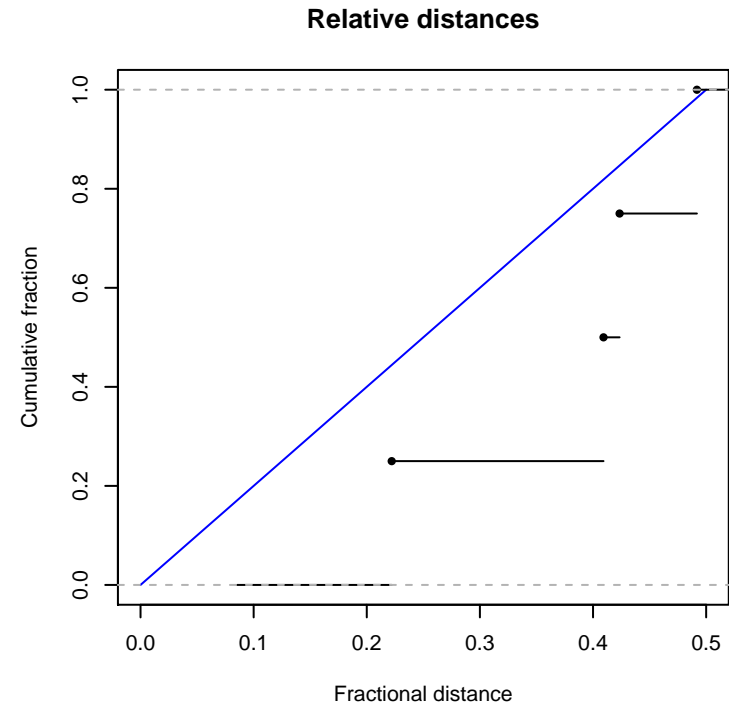
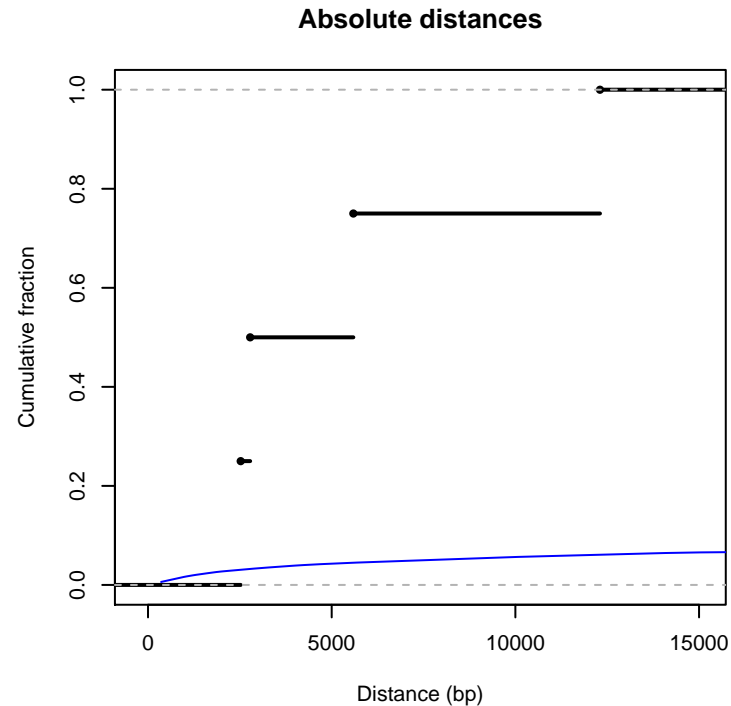
# pcontig\_097

Query population : 1  
Reference population : 33  
Relative Ks p-value : 0.425456  
Relative ecdf deviation area : 0.166529  
Relative ecdf area correlation : -0.574544  
Relative ecdf deviation area p-value : 0.43  
Scaled Absolute min. distance p-value : 0.04  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.05  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0173192  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_100

Query population : 4  
Reference population : 26  
Relative Ks p-value : 0.0964905  
Relative ecdf deviation area : 0.136421  
Relative ecdf area correlation : -0.546607  
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 : 0.05  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0470457  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

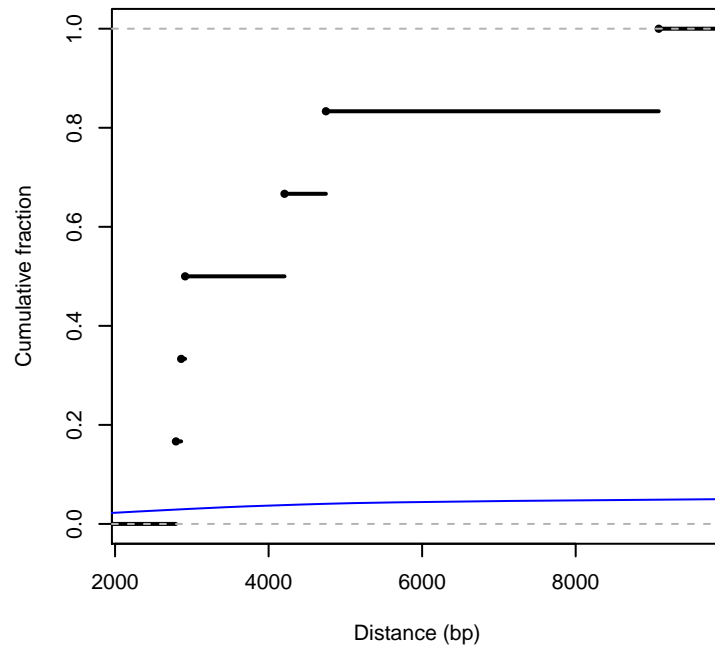




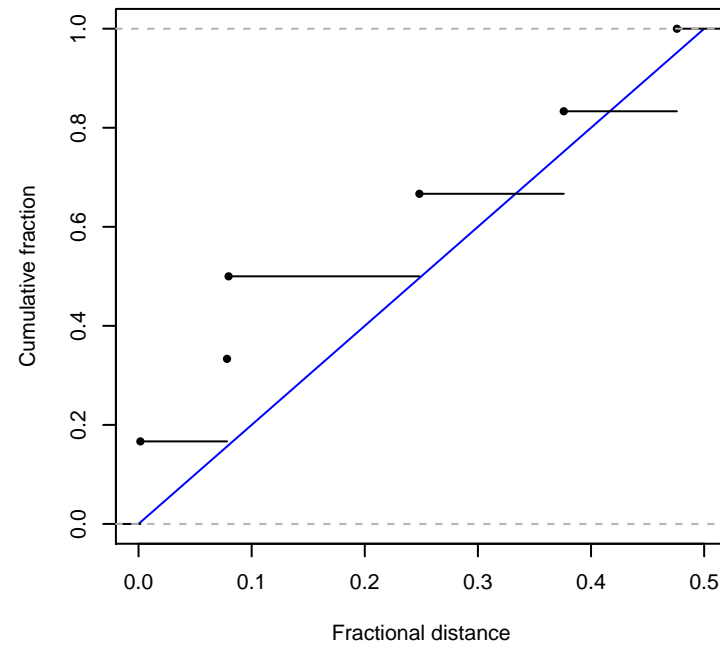
# pcontig\_103

Query population : 6  
Reference population : 20  
Relative Ks p-value : 0.397654  
Relative ecdf deviation area : 0.0507642  
Relative ecdf area correlation : 0.160333  
Relative ecdf deviation area p-value : 0.75  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.08  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0404944  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

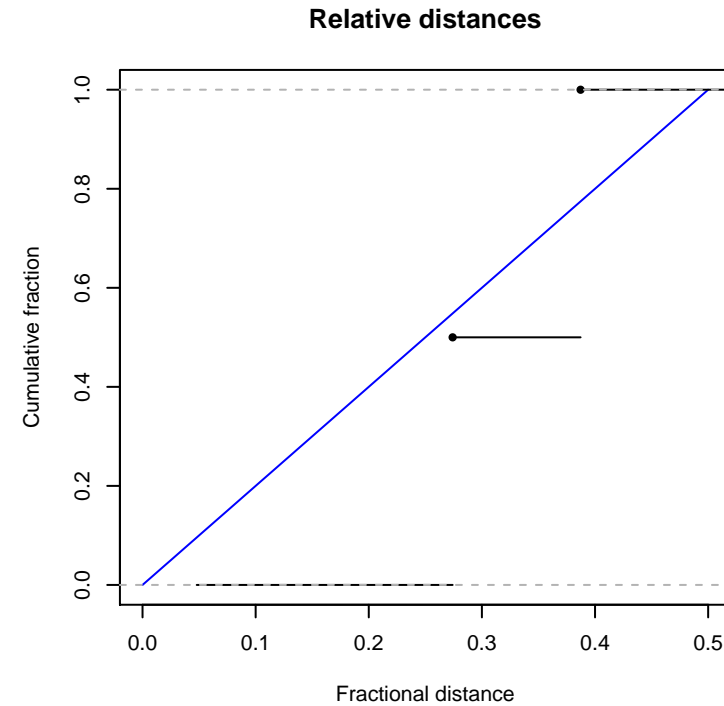
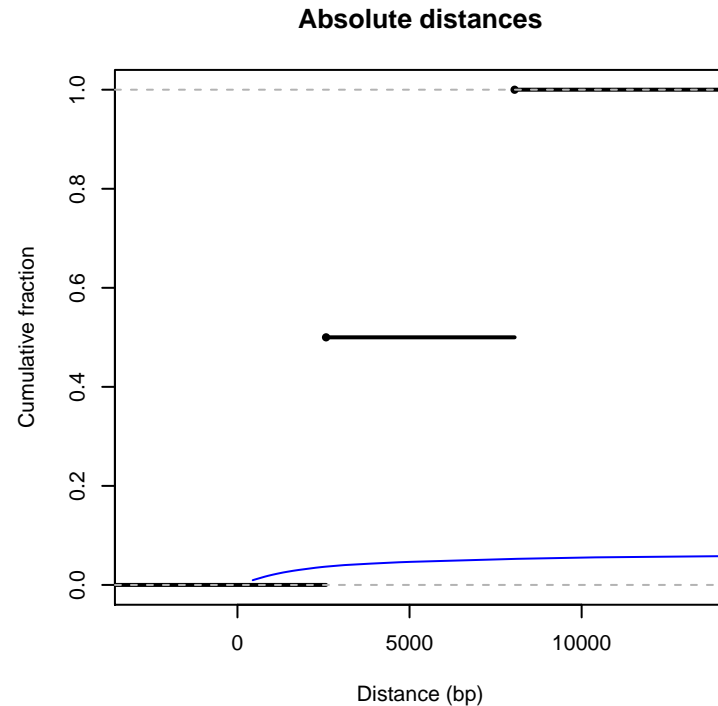


Relative distances



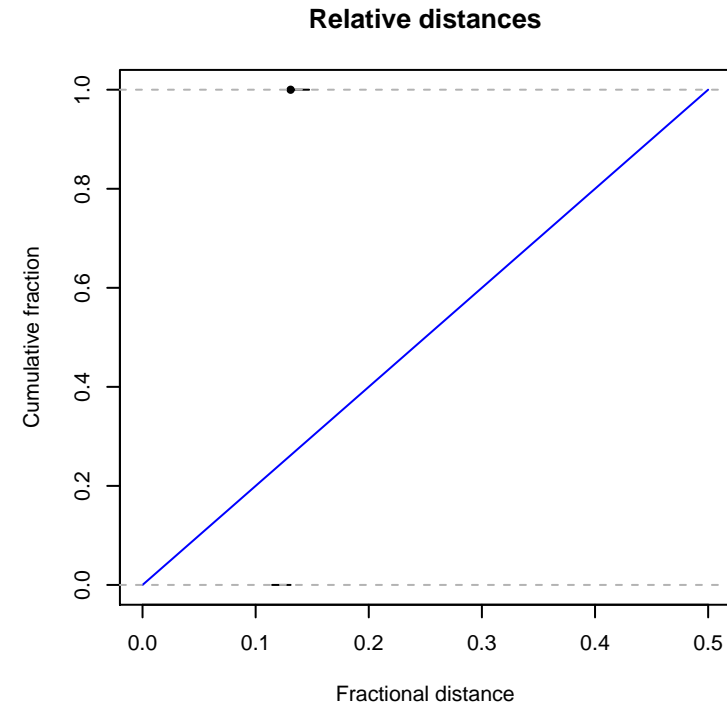
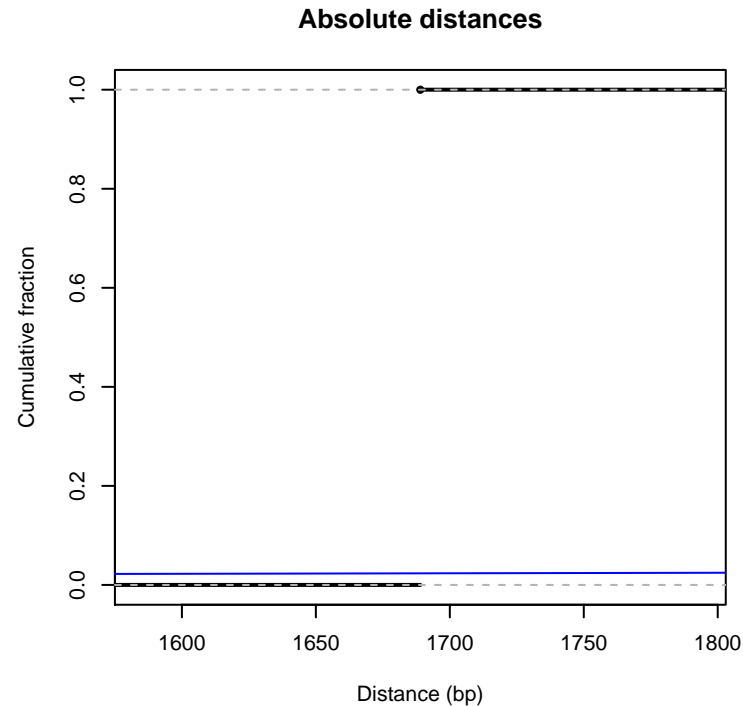
# pcontig\_104

Query population : 2  
Reference population : 33  
Relative Ks p-value : 0.408154  
Relative ecdf deviation area : 0.105743  
Relative ecdf area correlation : -0.322735  
Relative ecdf deviation area p-value : 0.56  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0349154  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



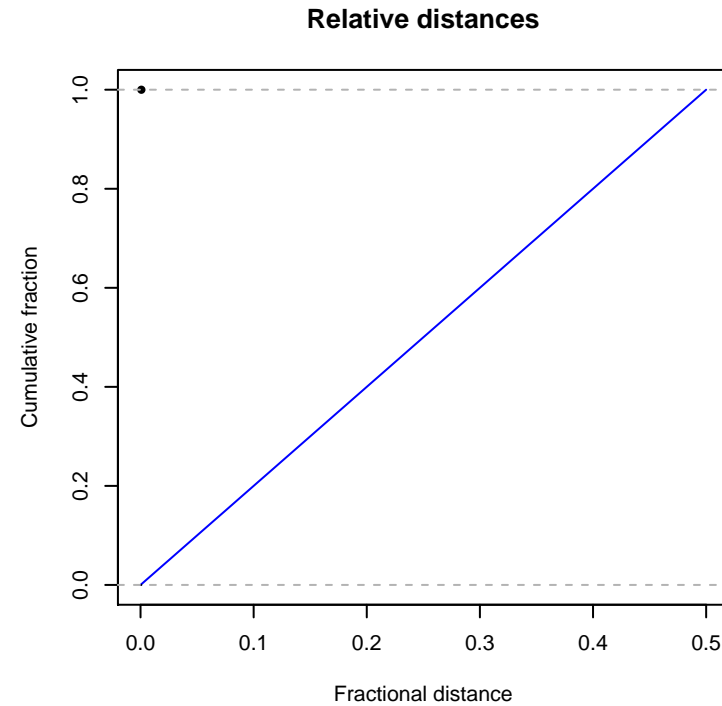
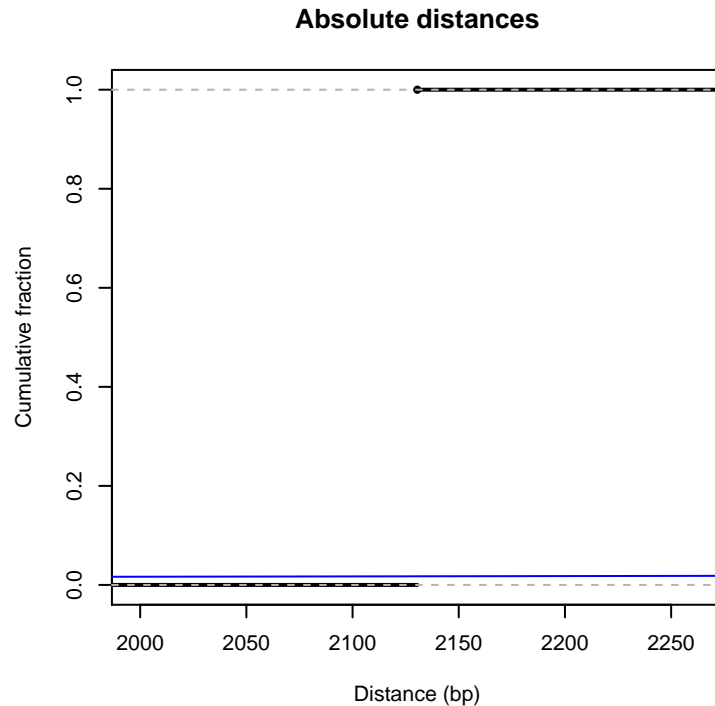
# pcontig\_106

Query population : 1  
Reference population : 24  
Relative Ks p-value : 0.523559  
Relative ecdf deviation area : 0.15323  
Relative ecdf area correlation : 0.476441  
Relative ecdf deviation area p-value : 0.59  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.012944  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



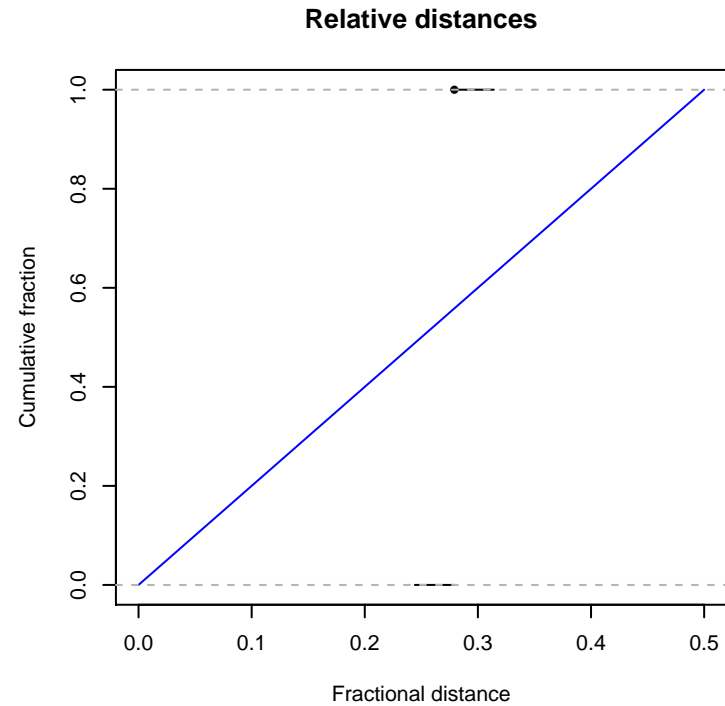
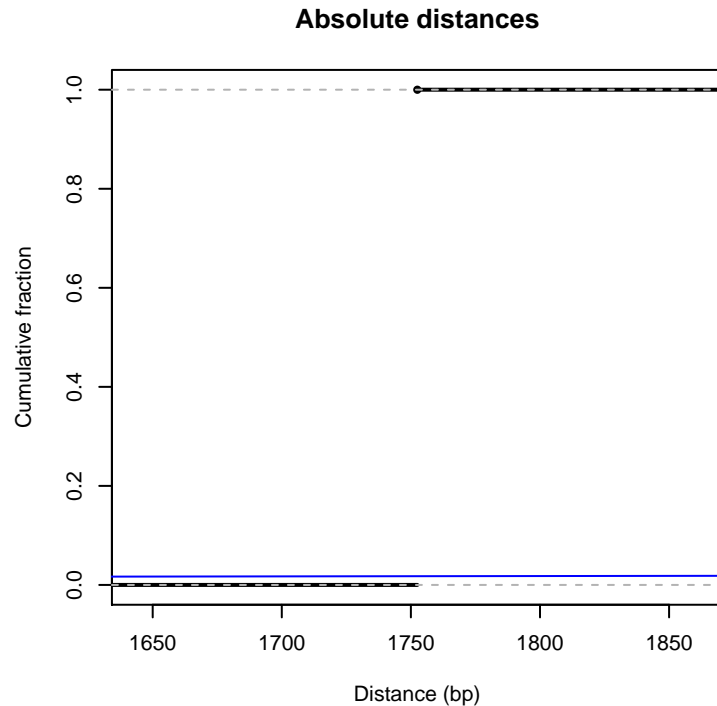
# pcontig\_112

Query population : 1  
Reference population : 17  
Relative Ks p-value : 0.00287564  
Relative ecdf deviation area : 0.25  
Relative ecdf area correlation : 0.997124  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00541495  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



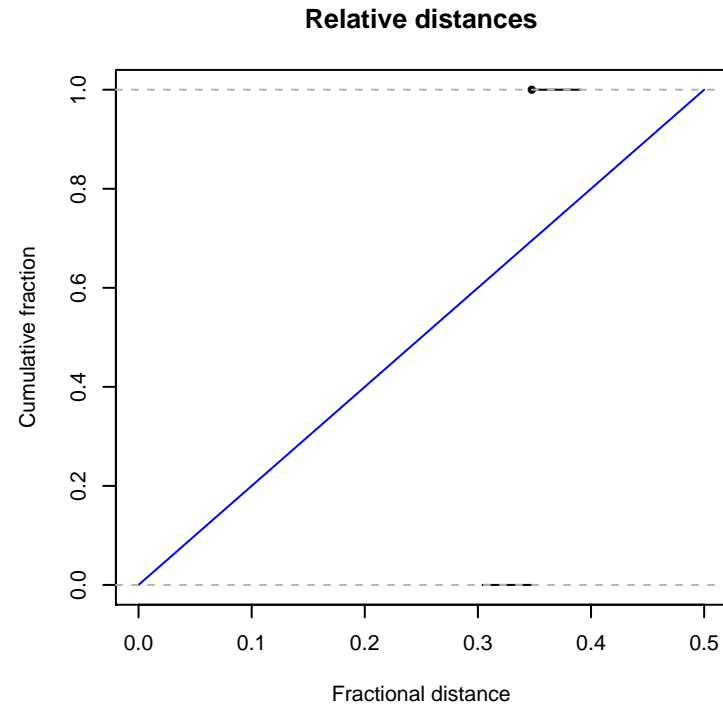
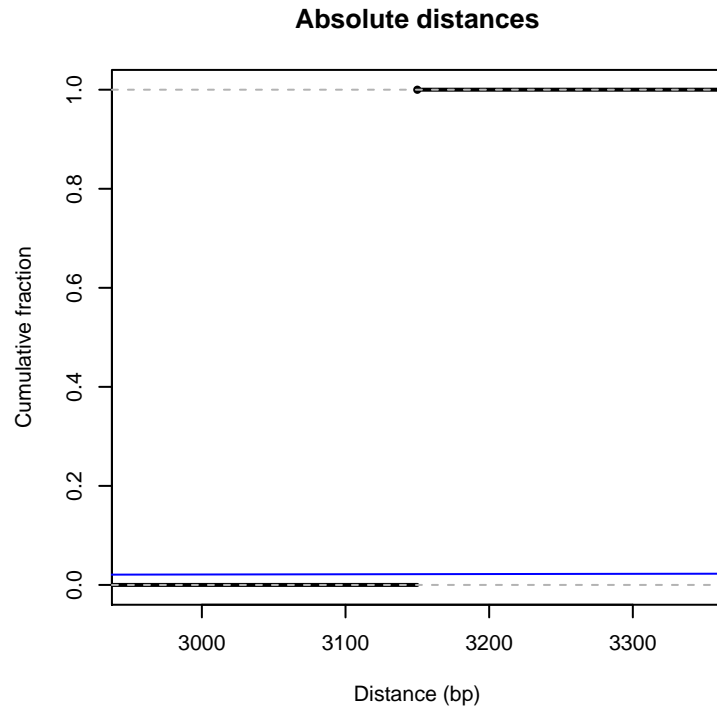
# pcontig\_115

Query population : 1  
Reference population : 22  
Relative Ks p-value : 0.883313  
Relative ecdf deviation area : 0.126943  
Relative ecdf area correlation : -0.116687  
Relative ecdf deviation area p-value : 0.87  
Scaled Absolute min. distance p-value : 0.04  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00554296  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_120

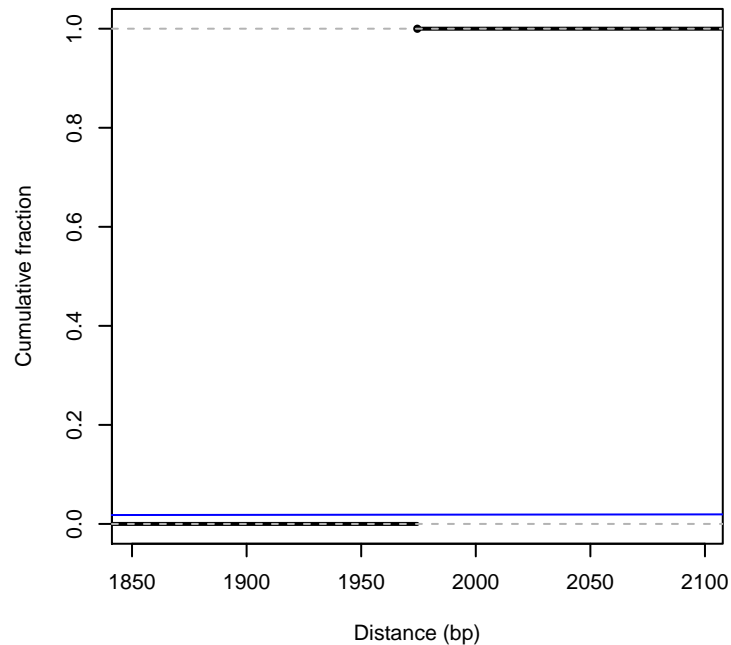
Query population : 1  
Reference population : 16  
Relative Ks p-value : 0.609578  
Relative ecdf deviation area : 0.144178  
Relative ecdf area correlation : -0.390422  
Relative ecdf deviation area p-value : 0.57  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00500022  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



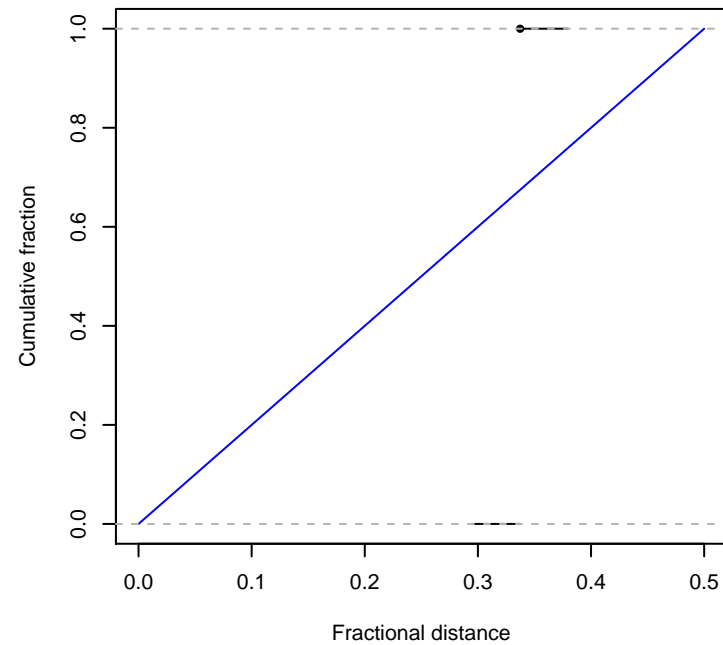
# pcontig\_129

Query population : 1  
Reference population : 20  
Relative Ks p-value : 0.650722  
Relative ecdf deviation area : 0.14044  
Relative ecdf area correlation : -0.349278  
Relative ecdf deviation area p-value : 0.66  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00980157  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

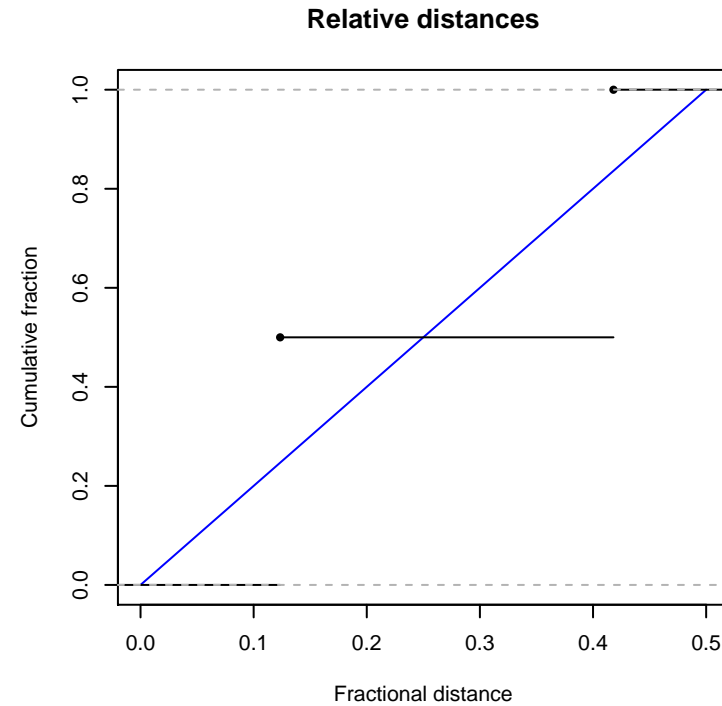
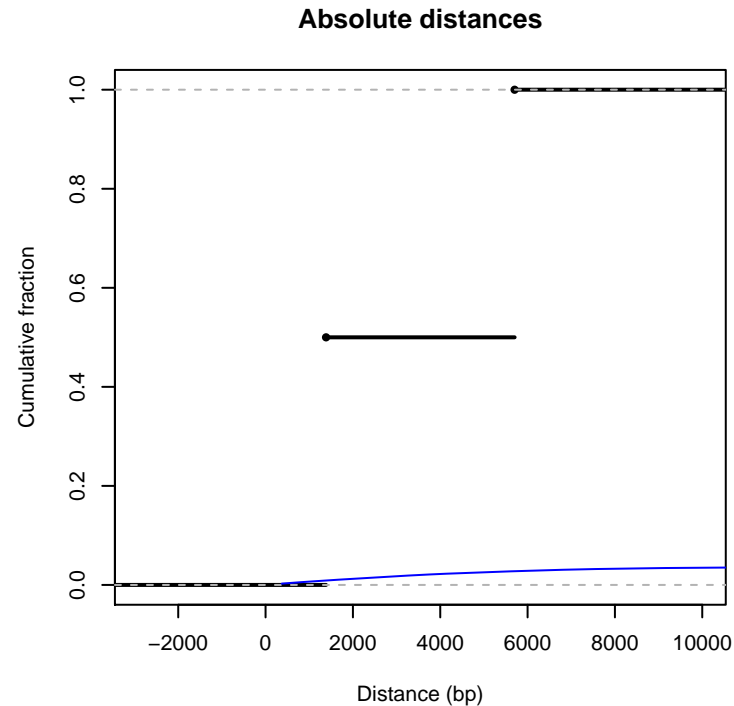


Relative distances



# pcontig\_130

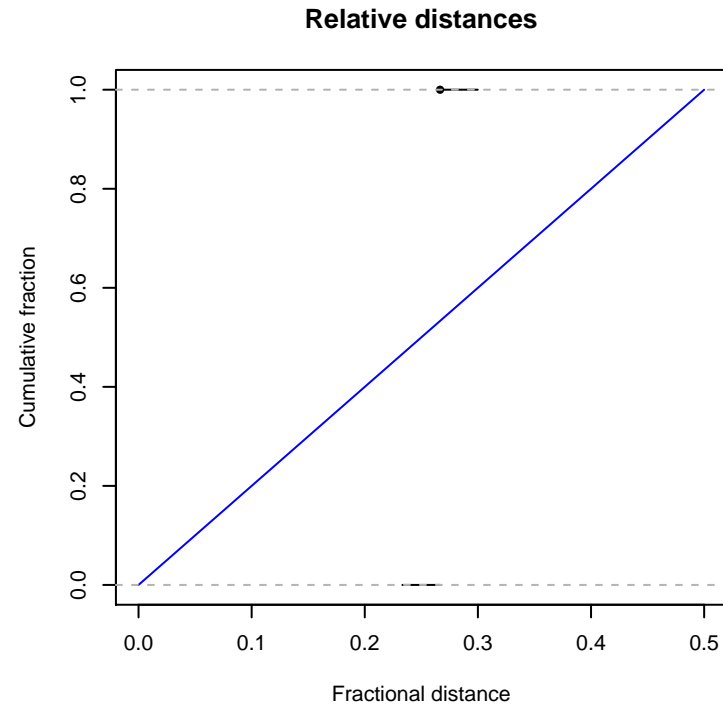
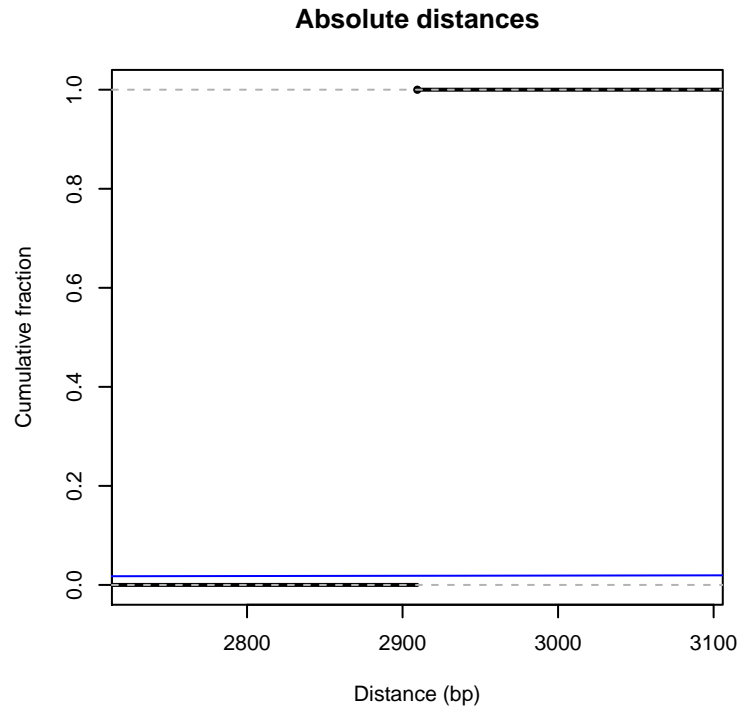
Query population : 2  
Reference population : 11  
Relative Ks p-value : 0.94066  
Relative ecdf deviation area : 0.066138  
Relative ecdf area correlation : -0.0829738  
Relative ecdf deviation area p-value : 0.96  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.04  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0108805  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





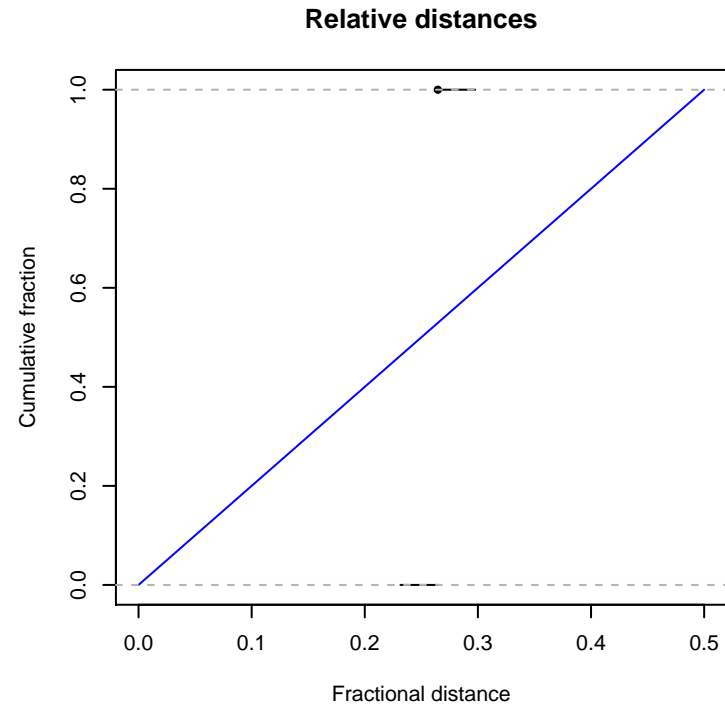
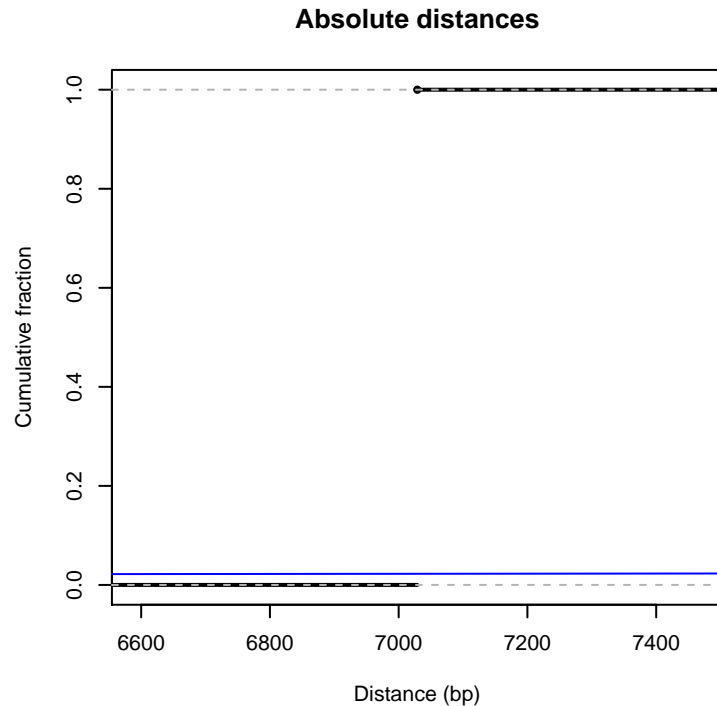
# pcontig\_138

Query population : 1  
Reference population : 13  
Relative Ks p-value : 0.933859  
Relative ecdf deviation area : 0.125551  
Relative ecdf area correlation : -0.0661414  
Relative ecdf deviation area p-value : 0.92  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00487417  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



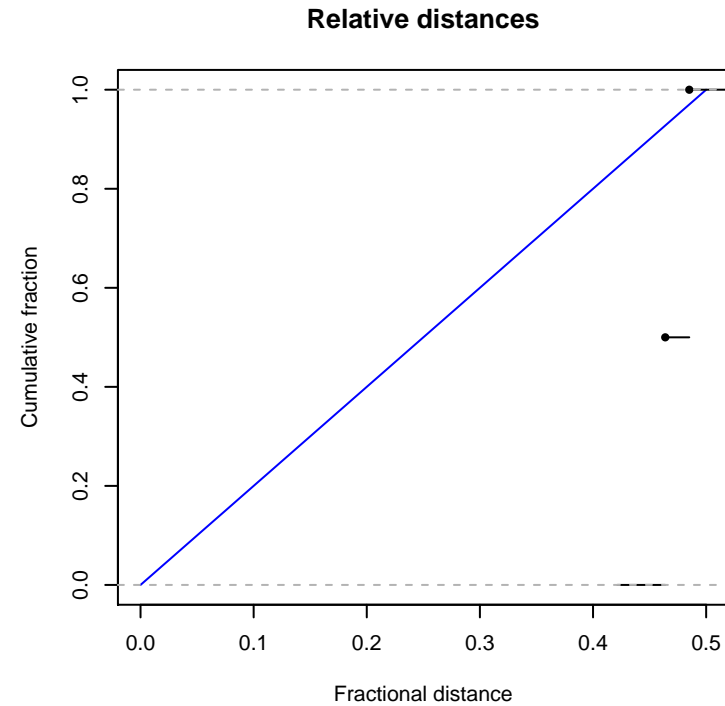
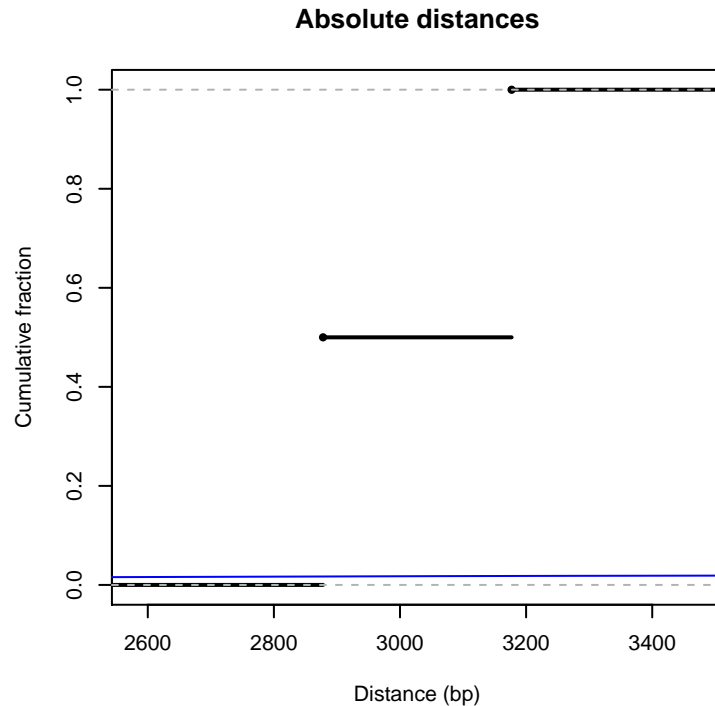
# pcontig\_147

Query population : 1  
Reference population : 11  
Relative Ks p-value : 0.941715  
Relative ecdf deviation area : 0.125551  
Relative ecdf area correlation : -0.0582855  
Relative ecdf deviation area p-value : 0.9  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00620881  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



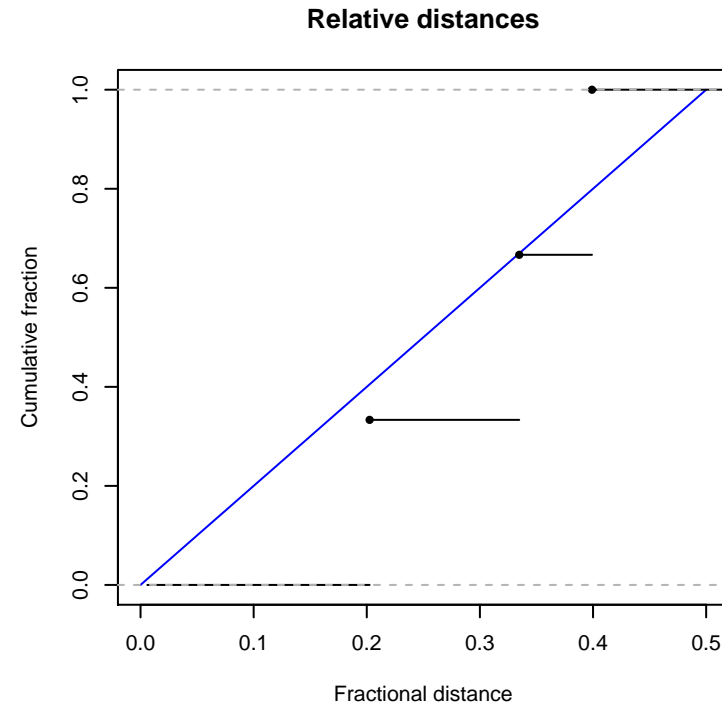
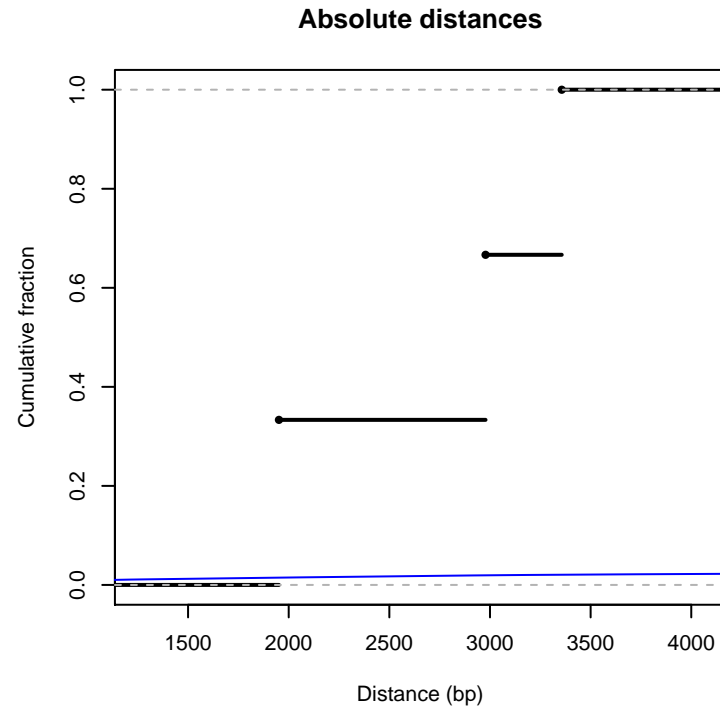
# pcontig\_148

Query population : 2  
Reference population : 12  
Relative Ks p-value : 0.0104506  
Relative ecdf deviation area : 0.225303  
Relative ecdf area correlation : -0.897864  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0183038  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



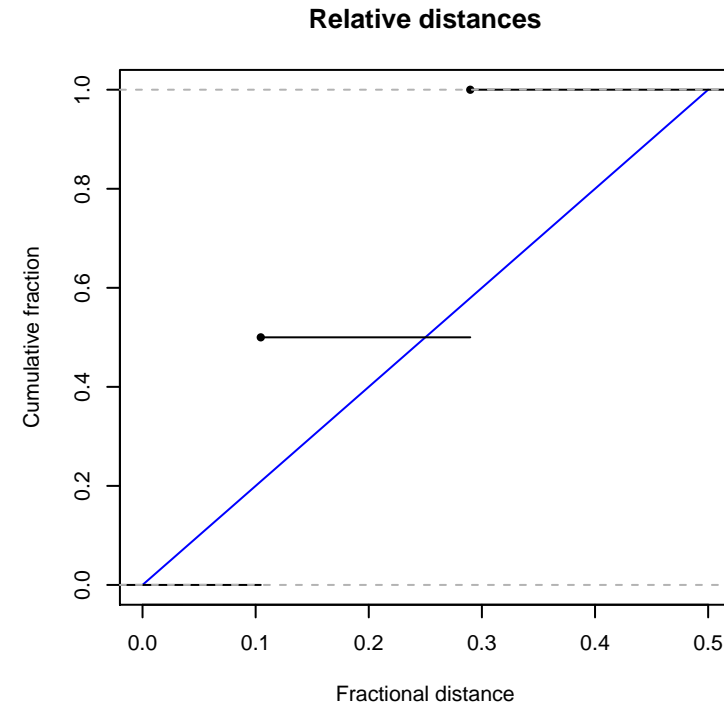
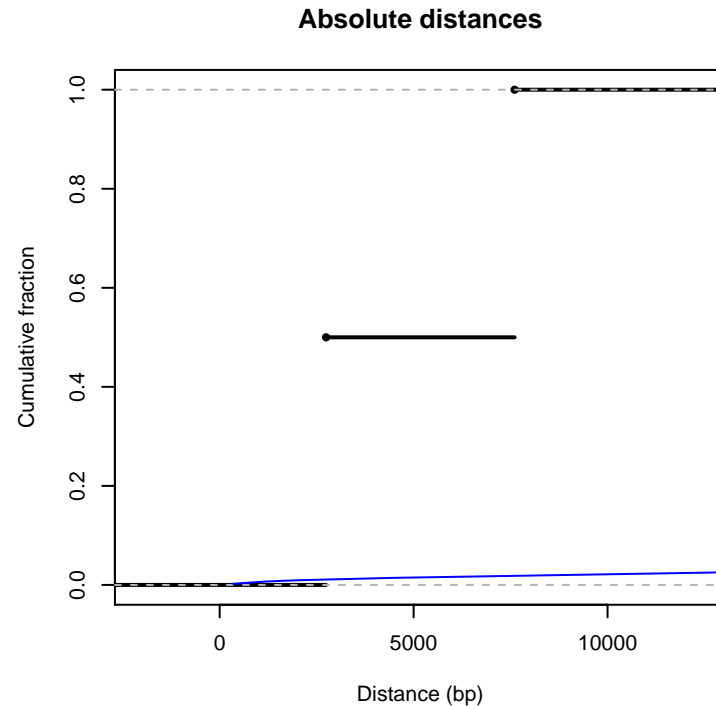
# pcontig\_149

Query population : 3  
Reference population : 15  
Relative Ks p-value : 0.580689  
Relative ecdf deviation area : 0.0821054  
Relative ecdf area correlation : -0.248463  
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 : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0177968  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



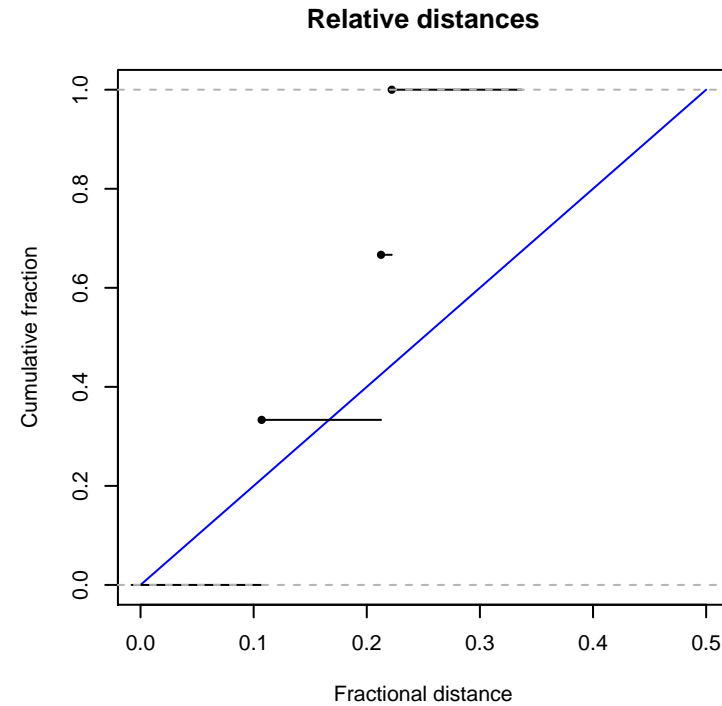
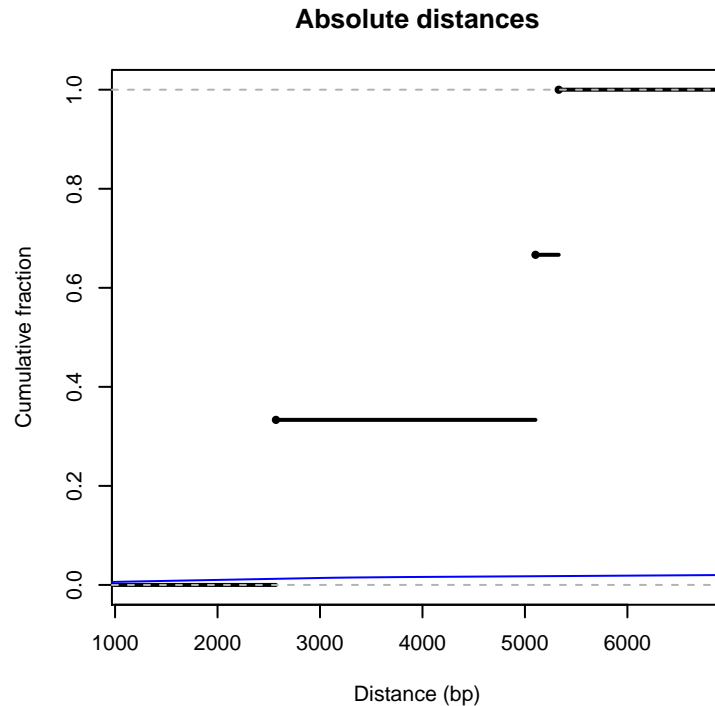
# pcontig\_150

Query population : 2  
Reference population : 10  
Relative Ks p-value : 0.767186  
Relative ecdf deviation area : 0.0780533  
Relative ecdf area correlation : 0.211544  
Relative ecdf deviation area p-value : 0.73  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00604779  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



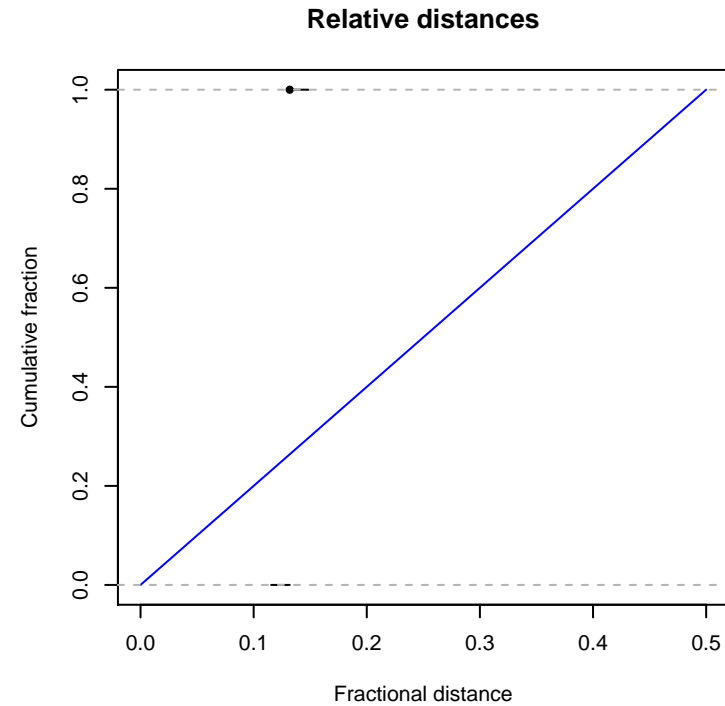
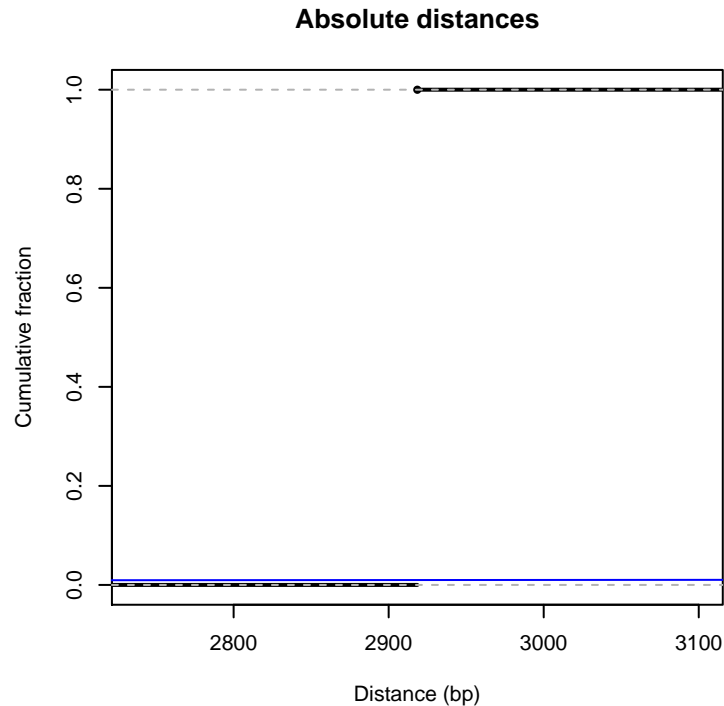
# pcontig\_157

Query population : 3  
Reference population : 10  
Relative Ks p-value : 0.216119  
Relative ecdf deviation area : 0.0965519  
Relative ecdf area correlation : 0.277701  
Relative ecdf deviation area p-value : 0.36  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0117256  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



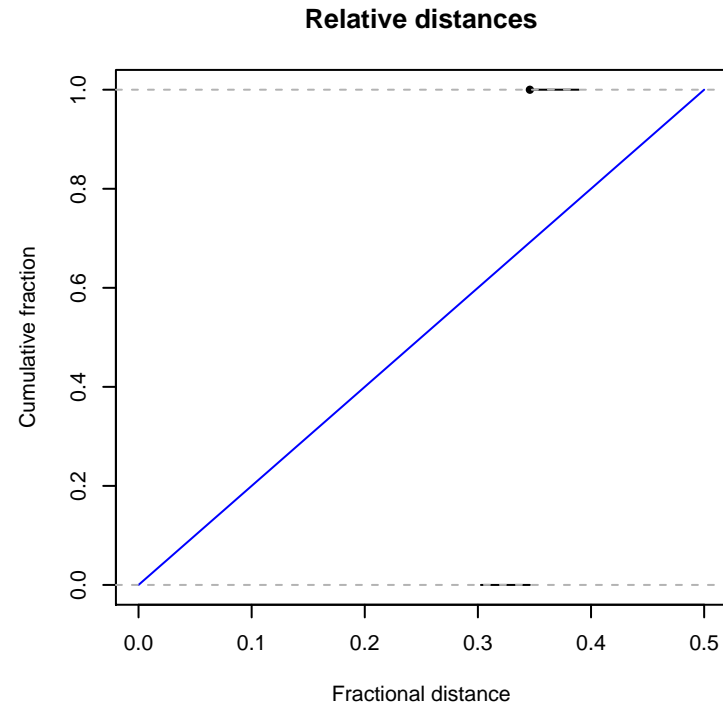
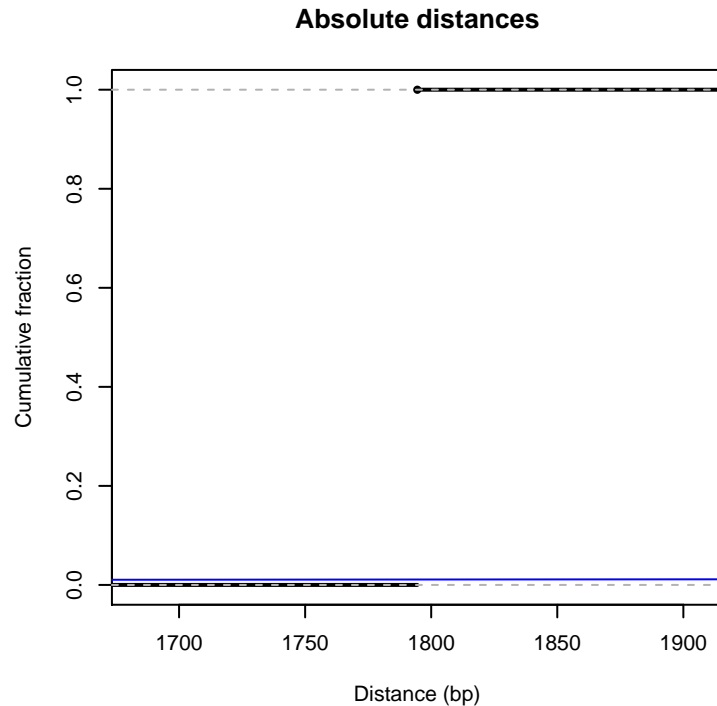
# pcontig\_165

Query population : 1  
Reference population : 8  
Relative Ks p-value : 0.527555  
Relative ecdf deviation area : 0.15323  
Relative ecdf area correlation : 0.472445  
Relative ecdf deviation area p-value : 0.53  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00288055  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_170

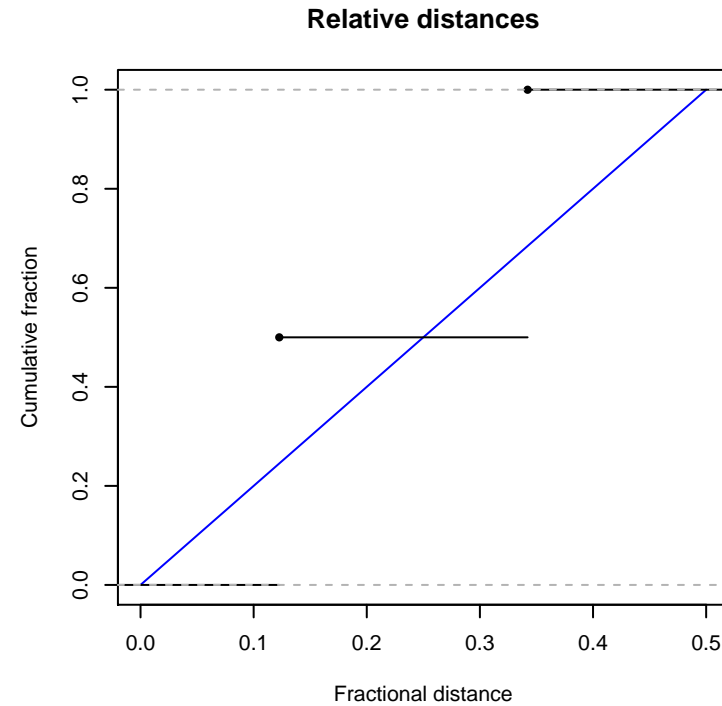
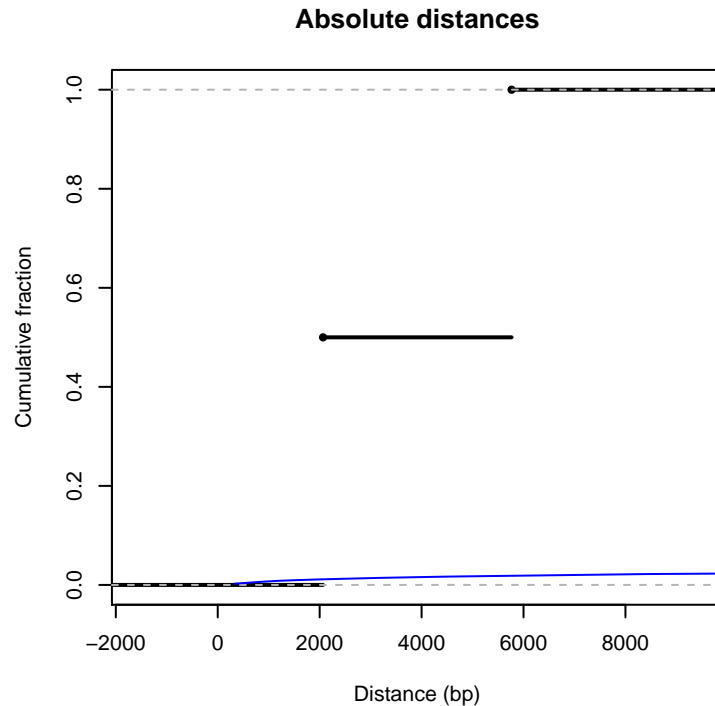
Query population : 1  
Reference population : 13  
Relative Ks p-value : 0.616289  
Relative ecdf deviation area : 0.143612  
Relative ecdf area correlation : -0.383711  
Relative ecdf deviation area p-value : 0.67  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00375801  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





# pcontig\_173

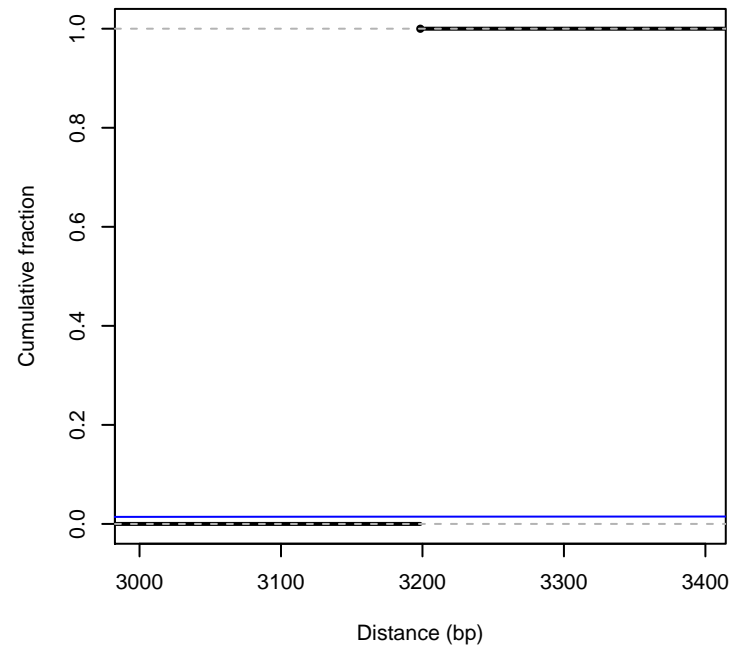
Query population : 2  
Reference population : 12  
Relative Ks p-value : 0.965477  
Relative ecdf deviation area : 0.0647664  
Relative ecdf area correlation : 0.0704008  
Relative ecdf deviation area p-value : 0.99  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00788704  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



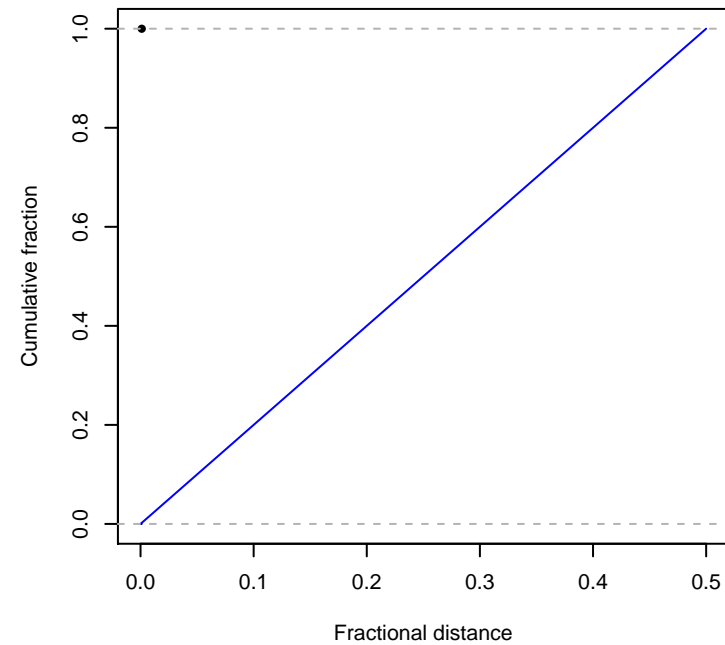
# pcontig\_174

Query population : 1  
Reference population : 11  
Relative Ks p-value : 0.00424151  
Relative ecdf deviation area : 0.25  
Relative ecdf area correlation : 0.995758  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00651871  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

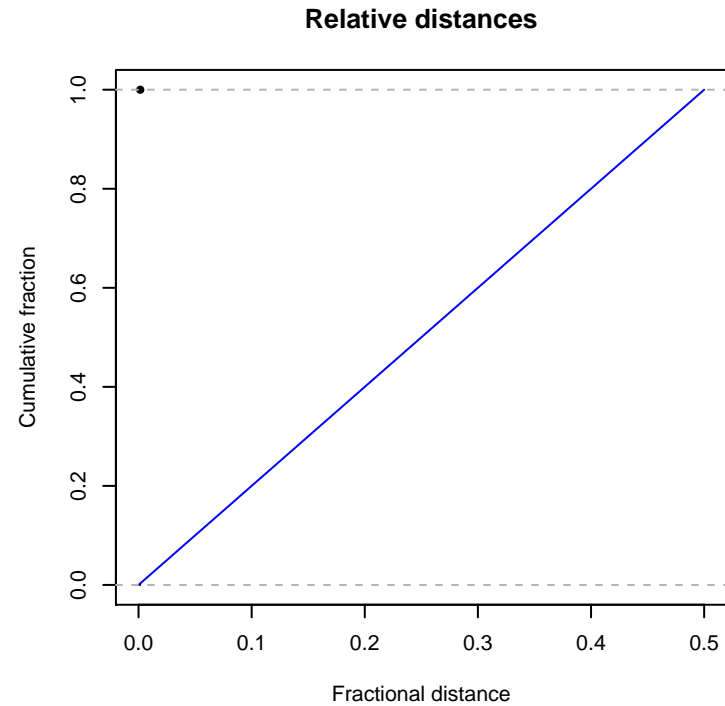
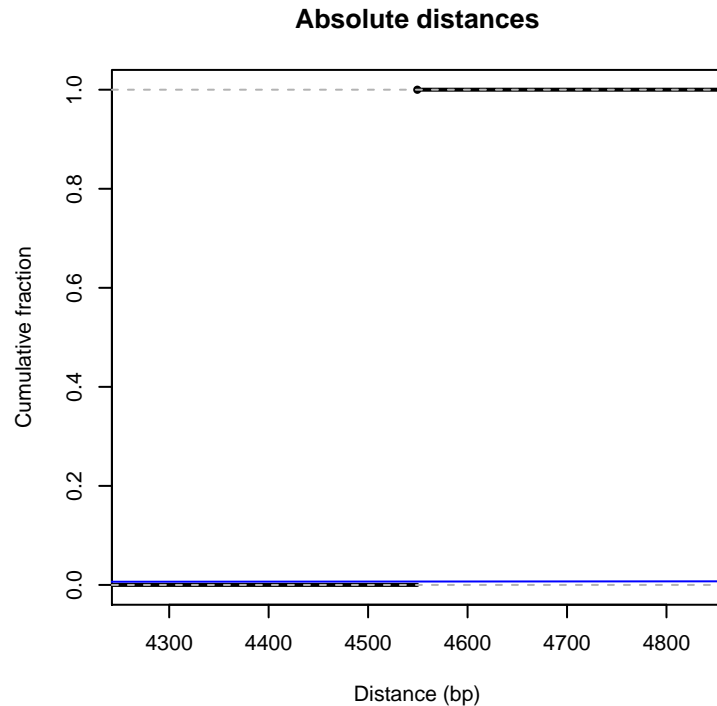


Relative distances



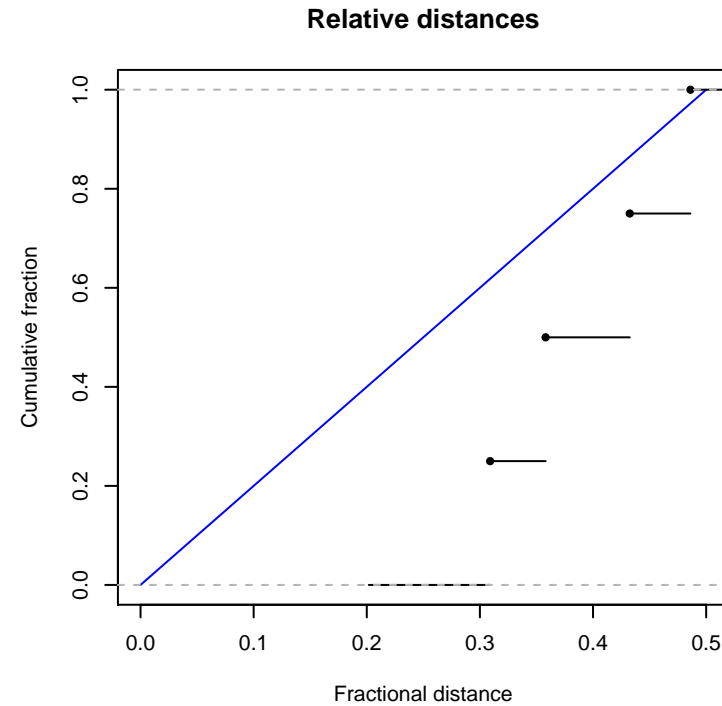
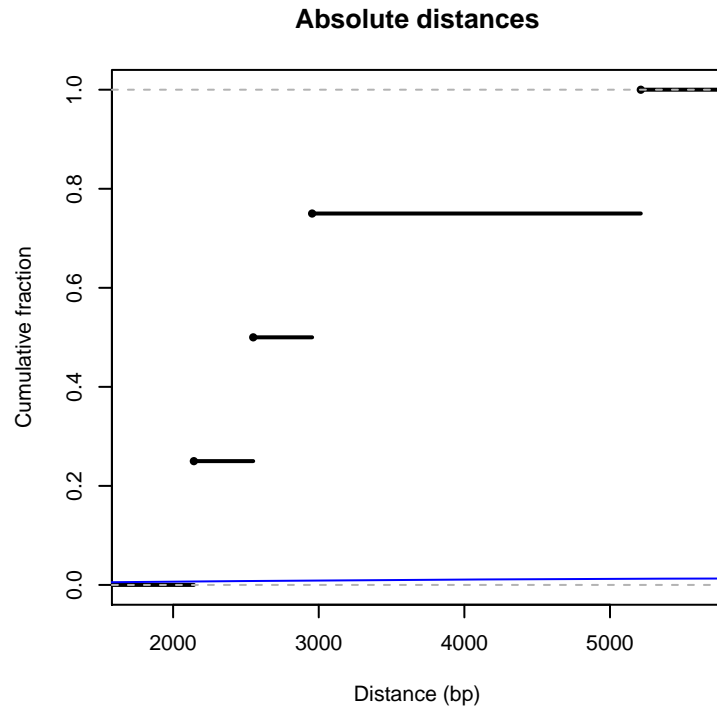
# pcontig\_181

Query population : 1  
Reference population : 4  
Relative Ks p-value : 0.00598994  
Relative ecdf deviation area : 0.24927  
Relative ecdf area correlation : 0.99401  
Relative ecdf deviation 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 : 0.00194137  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



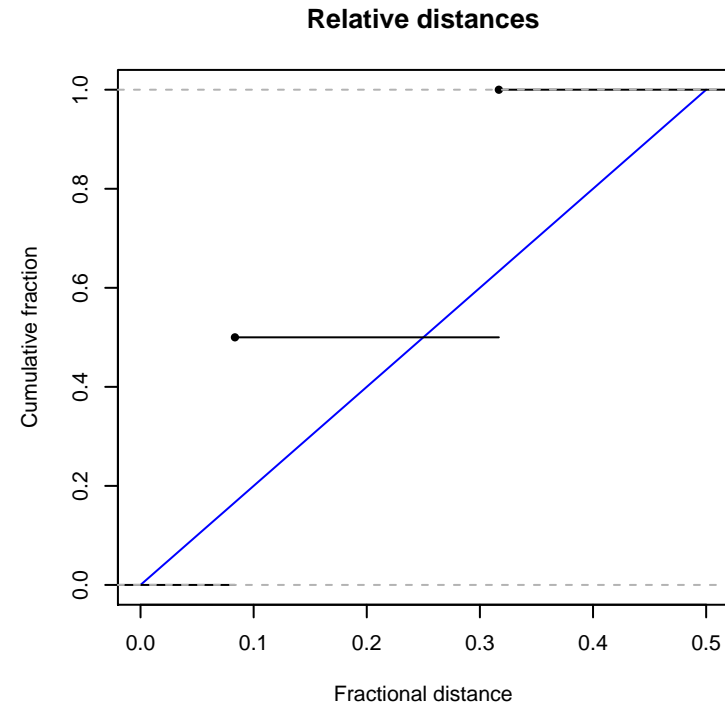
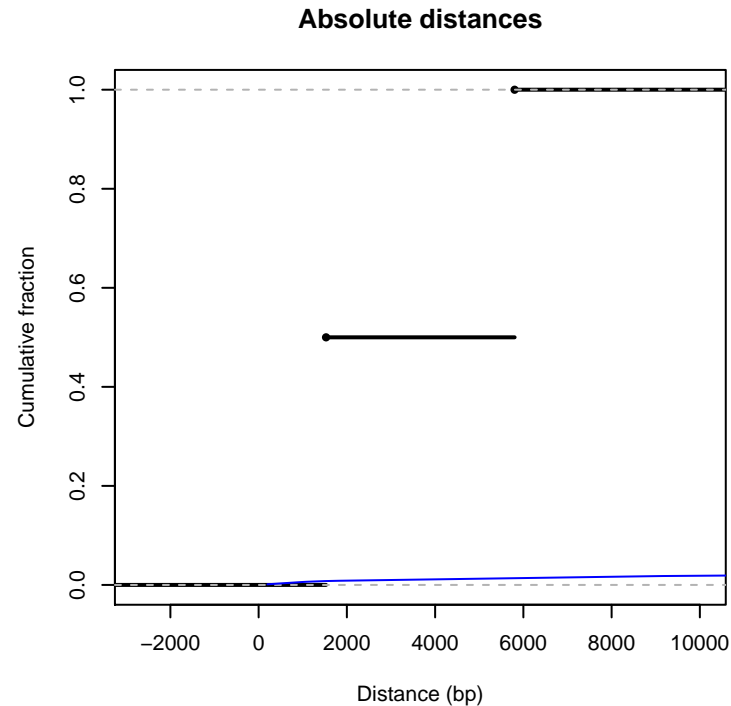
# pcontig\_186

Query population : 4  
Reference population : 6  
Relative Ks p-value : 0.0538597  
Relative ecdf deviation area : 0.146673  
Relative ecdf area correlation : -0.585775  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.04  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0171955  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



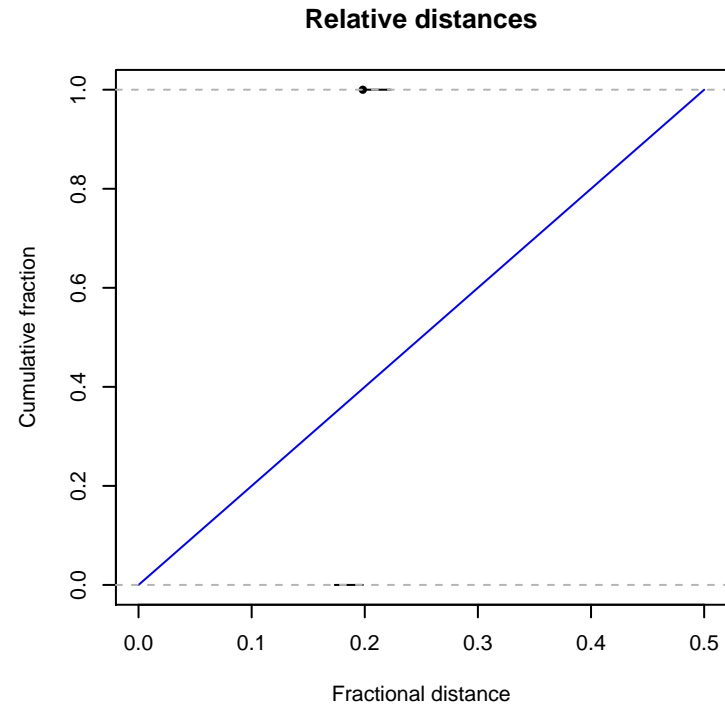
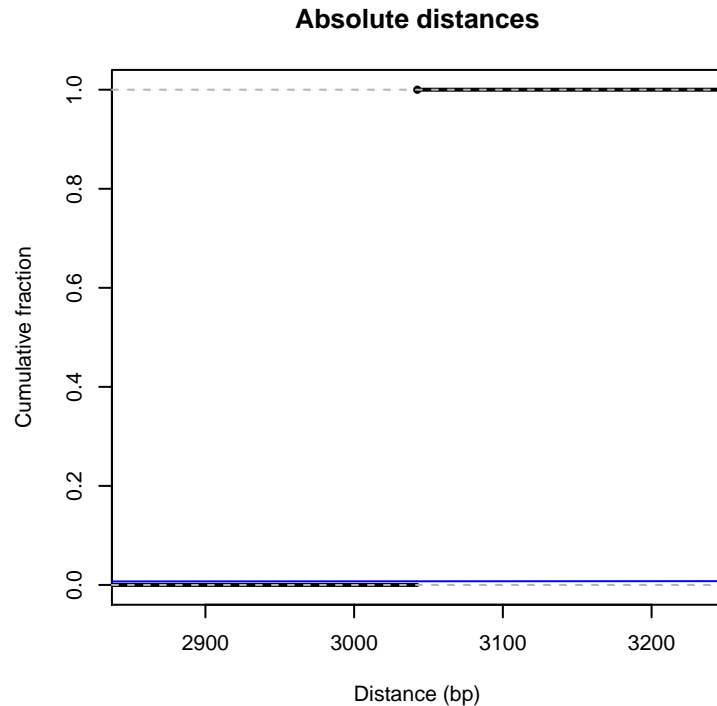
# pcontig\_188

Query population : 2  
Reference population : 10  
Relative Ks p-value : 0.891435  
Relative ecdf deviation area : 0.072648  
Relative ecdf area correlation : 0.199585  
Relative ecdf deviation area p-value : 0.89  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0100112  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



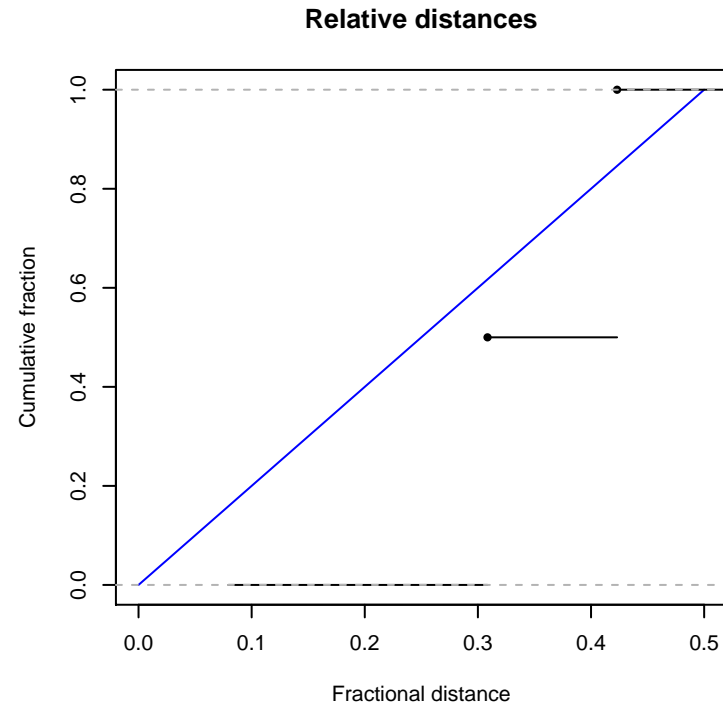
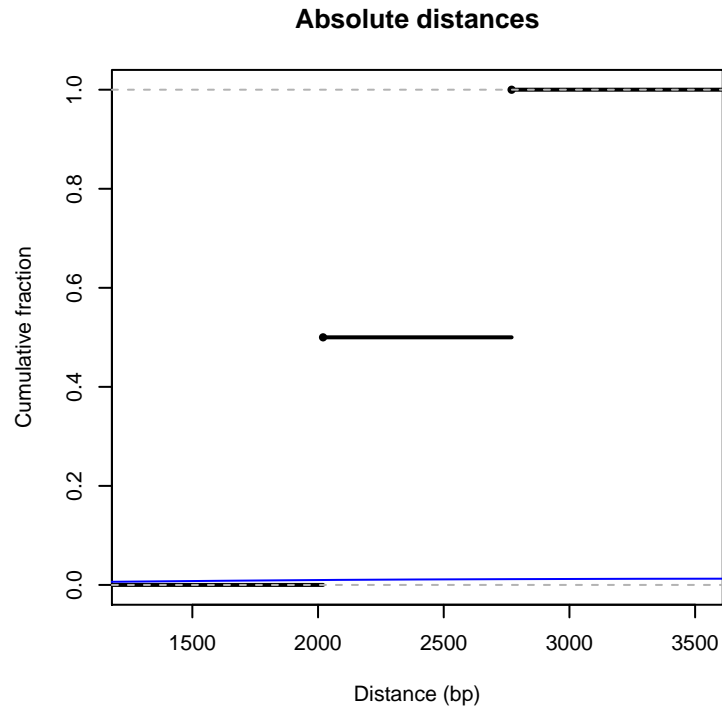
## pcontig\_189

Query population : 1  
Reference population : 6  
Relative Ks p-value : 0.793118  
Relative ecdf deviation area : 0.130145  
Relative ecdf area correlation : 0.206882  
Relative ecdf deviation area p-value : 0.85  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.002586  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



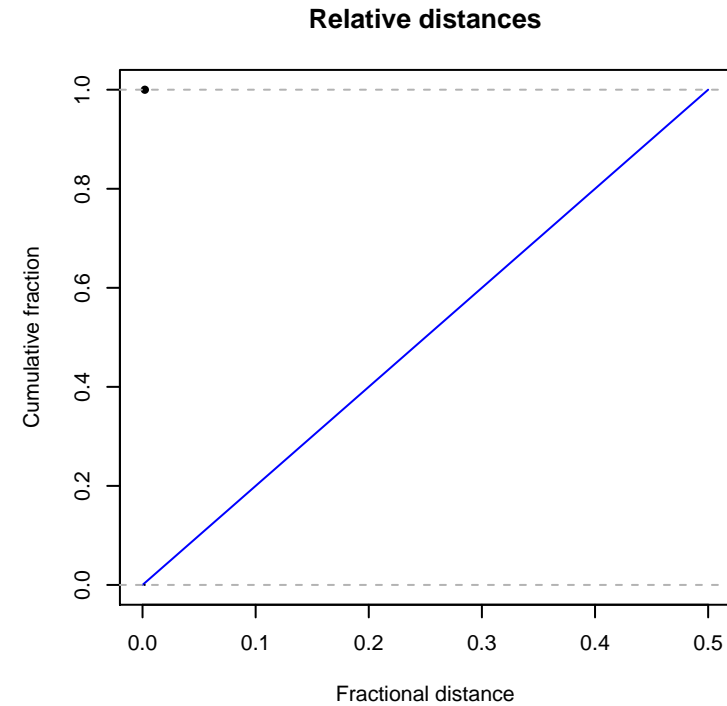
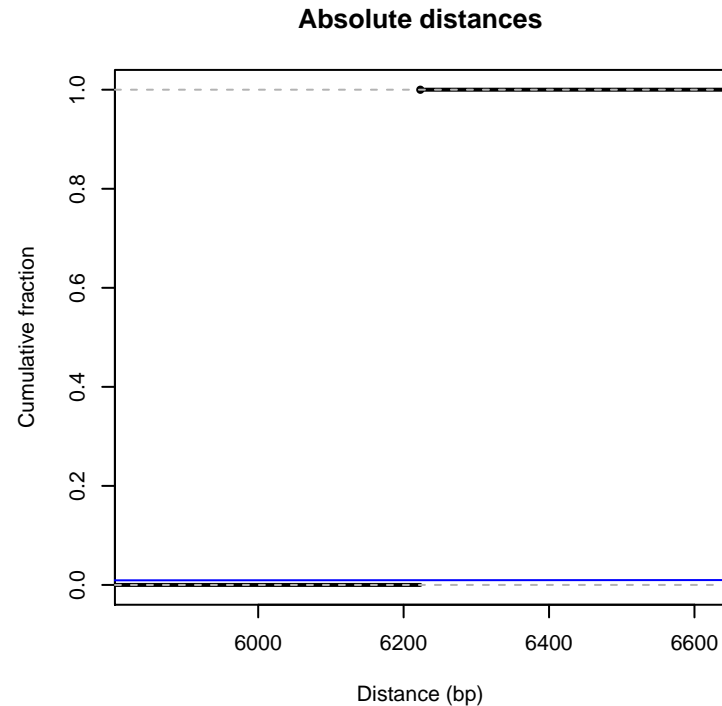
# pcontig\_203

Query population : 2  
Reference population : 9  
Relative Ks p-value : 0.293405  
Relative ecdf deviation area : 0.127844  
Relative ecdf area correlation : -0.463042  
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 : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00925333  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_207

Query population : 1  
Reference population : 6  
Relative Ks p-value : 0.00817361  
Relative ecdf deviation area : 0.248621  
Relative ecdf area correlation : 0.991826  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00212229  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

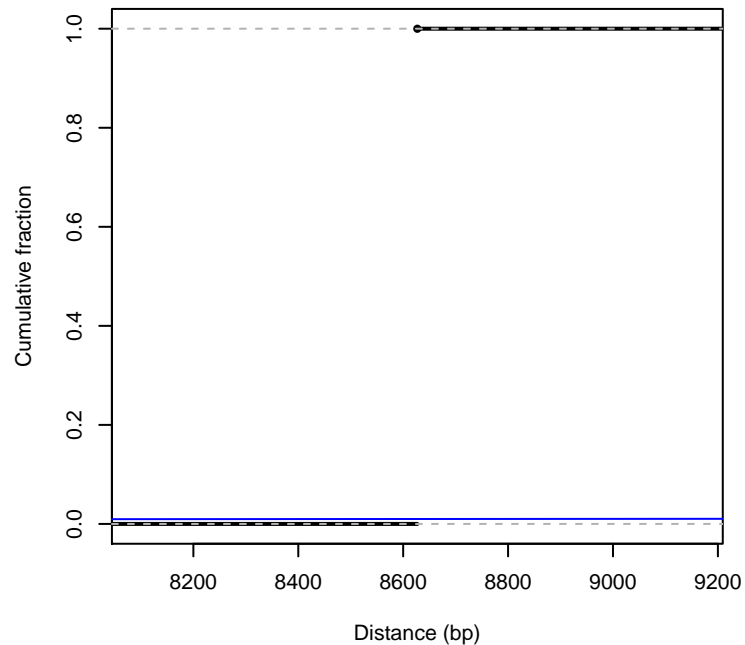




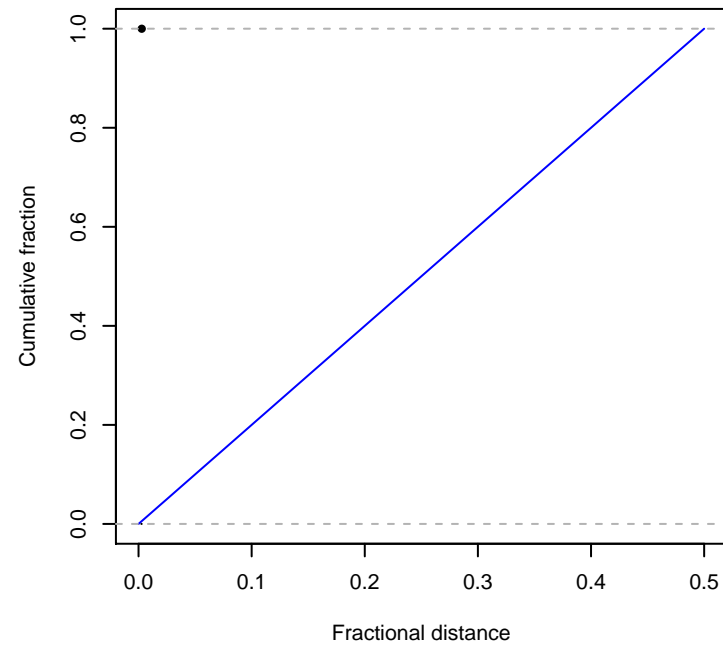
## pcontig\_233

Query population : 1  
Reference population : 4  
Relative Ks p-value : 0.0113177  
Relative ecdf deviation area : 0.246924  
Relative ecdf area correlation : 0.988682  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00252852  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

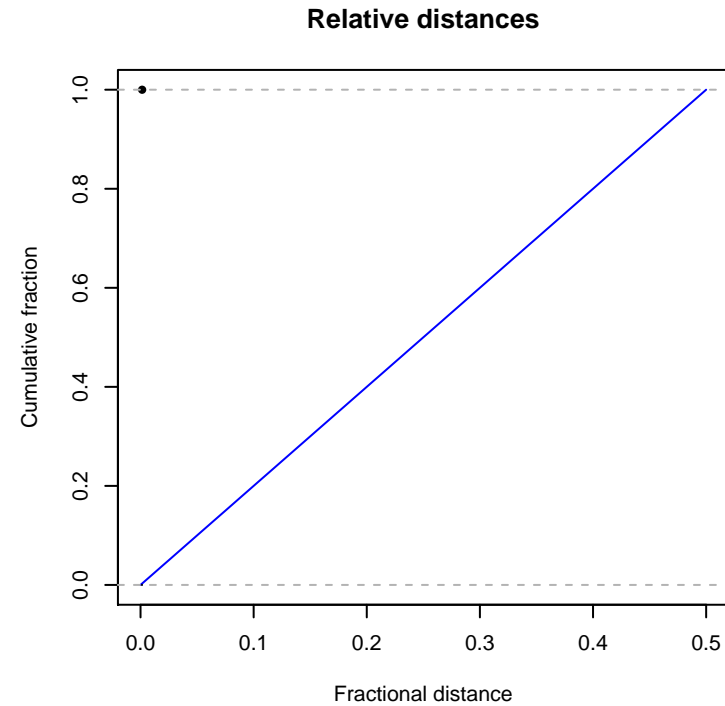
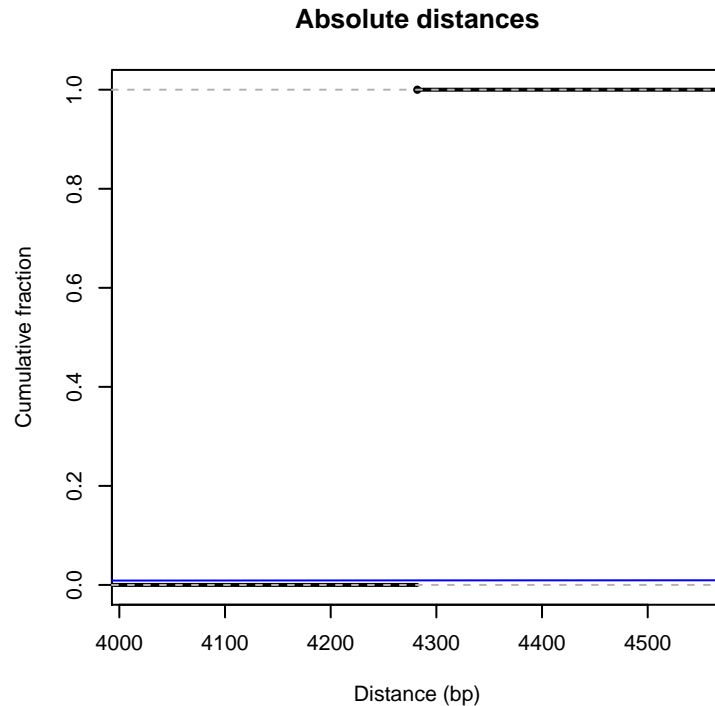


Relative distances



# pcontig\_235

Query population : 1  
Reference population : 5  
Relative Ks p-value : 0.0056292  
Relative ecdf deviation area : 0.24927  
Relative ecdf area correlation : 0.994371  
Relative ecdf deviation 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 : 0.00137349  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# All Chromosomes

Query population : 1572  
Reference population : 12655  
Relative Ks p-value : 0  
Relative ecdf deviation area : 0.0571573  
Relative ecdf area correlation : -0.228592  
Relative ecdf deviation 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 : 6.55133e-39  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

