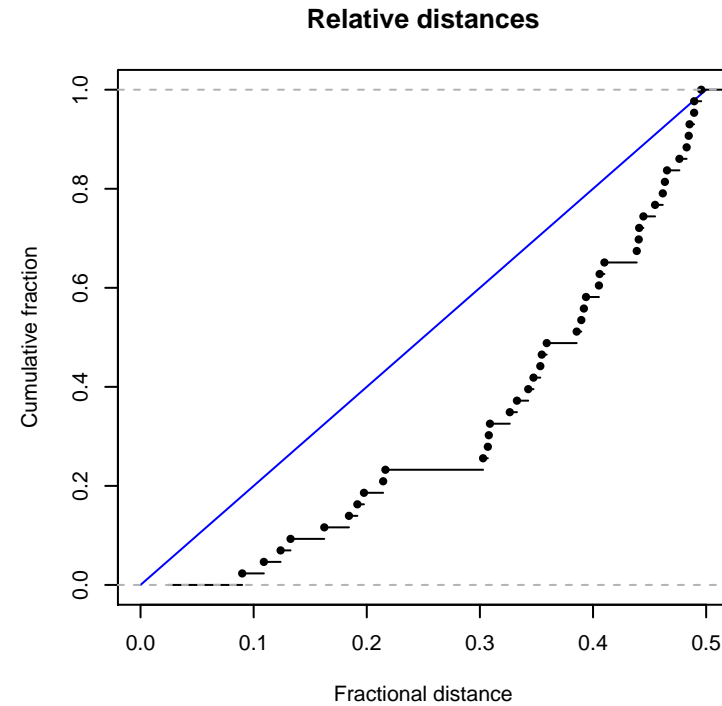
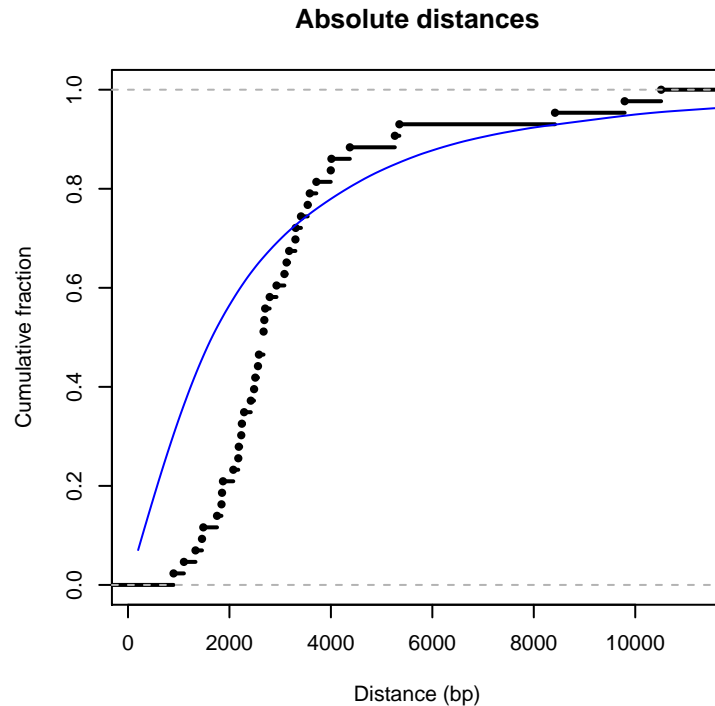


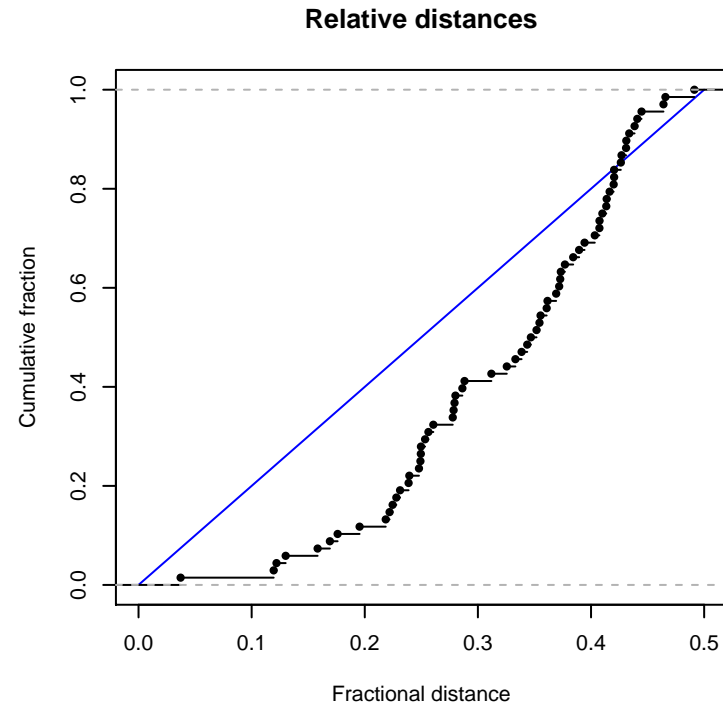
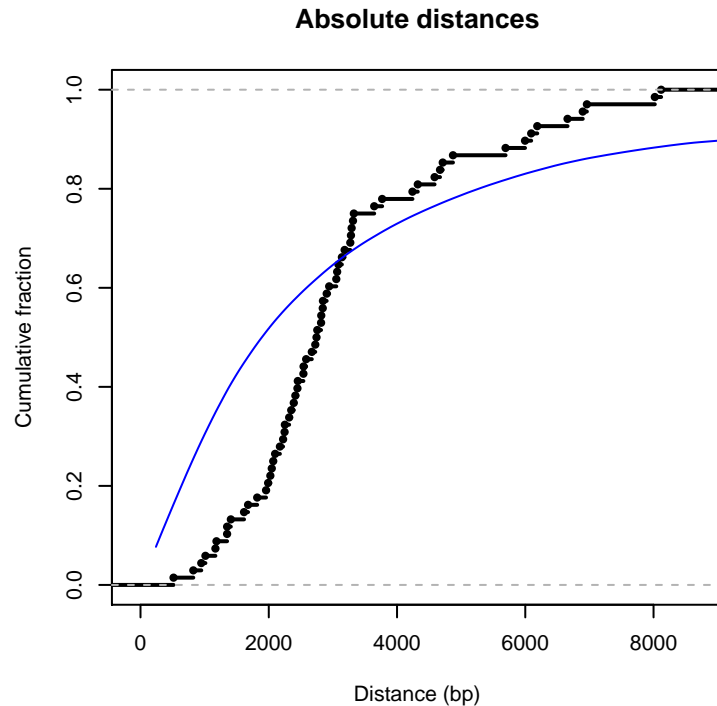
# pcontig\_000

Query population : 43  
Reference population : 540  
Relative Ks p-value : 7.01448e-06  
Relative ecdf deviation area : 0.100273  
Relative ecdf area correlation : -0.400985  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.45  
Scaled Absolute min. lower tail : FALSE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 1.02819e-06  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



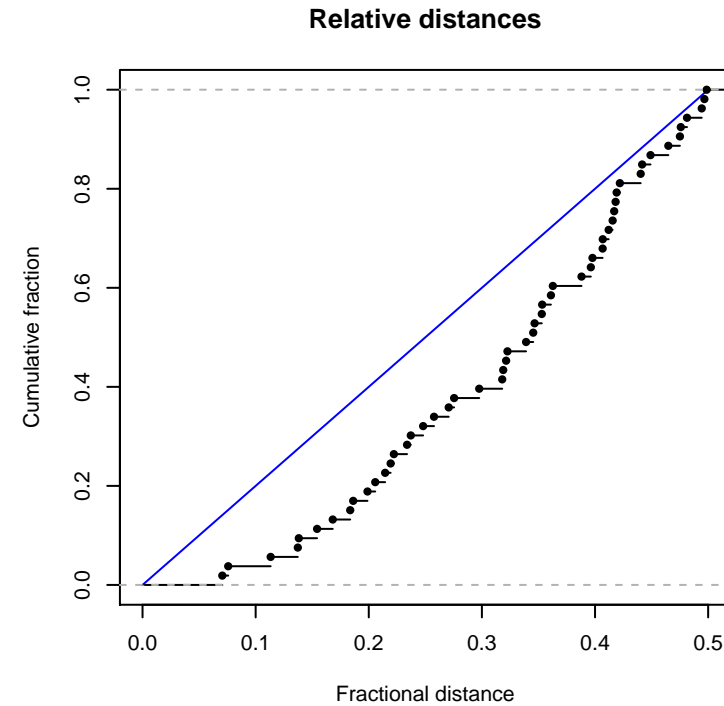
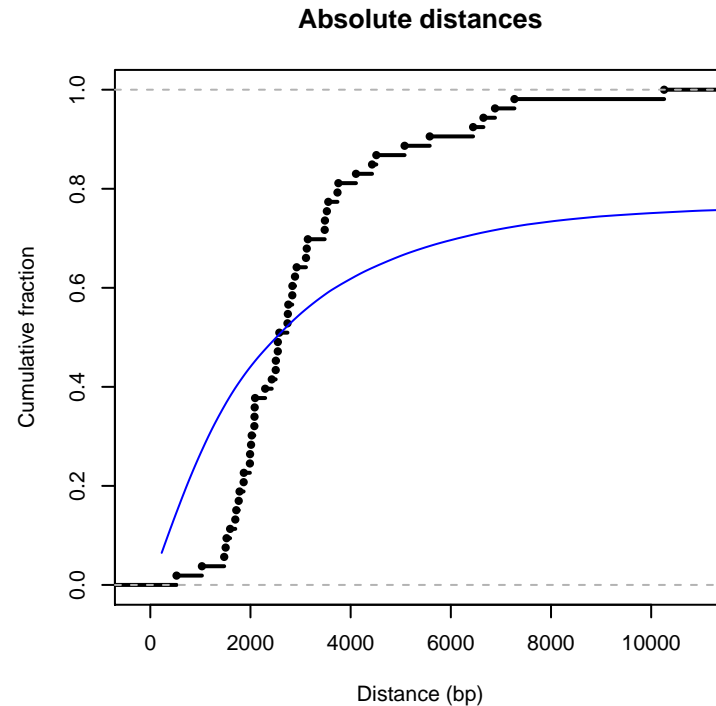
# pcontig\_001

Query population : 68  
Reference population : 490  
Relative Ks p-value : 1.14036e-06  
Relative ecdf deviation area : 0.0785617  
Relative ecdf area correlation : -0.294675  
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 : 3.64933e-09  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



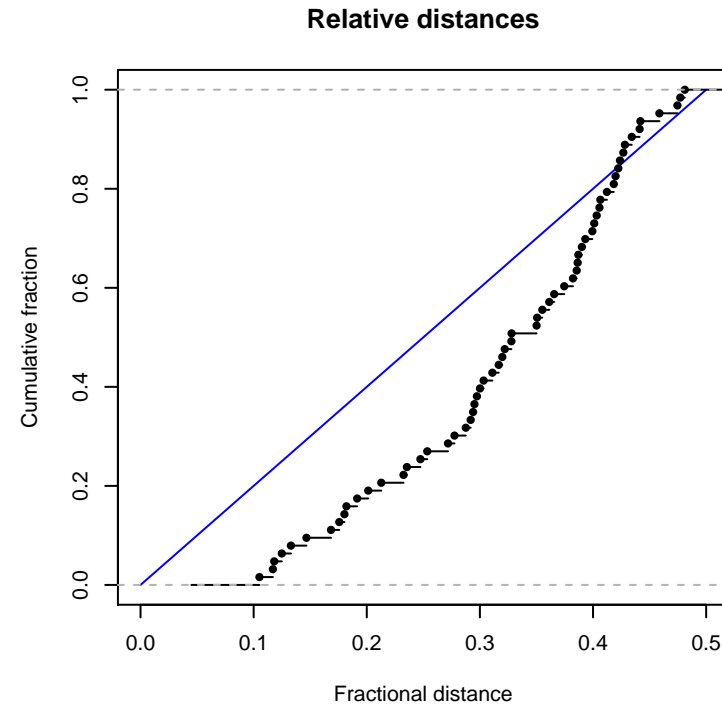
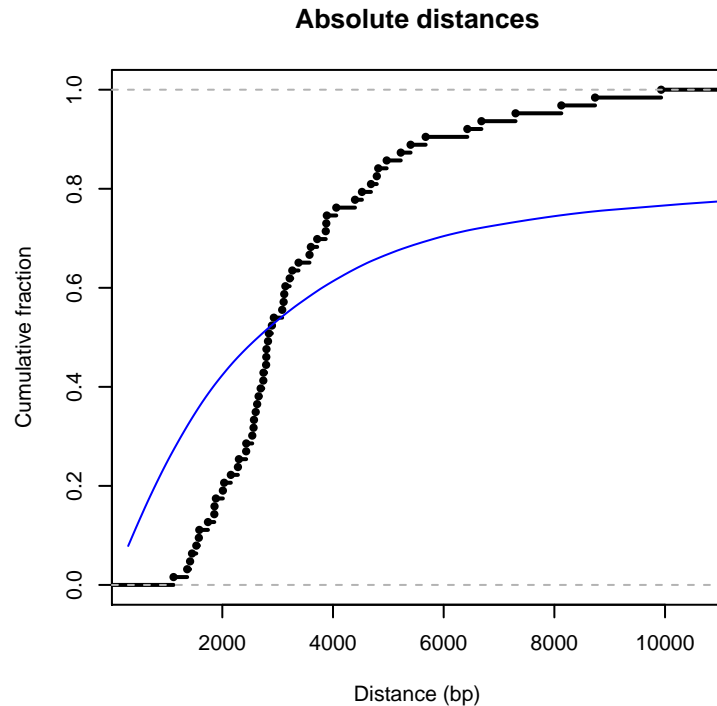
# pcontig\_002

Query population : 53  
Reference population : 436  
Relative Ks p-value : 0.00365684  
Relative ecdf deviation area : 0.071461  
Relative ecdf area correlation : -0.288082  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 2.65913e-07  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



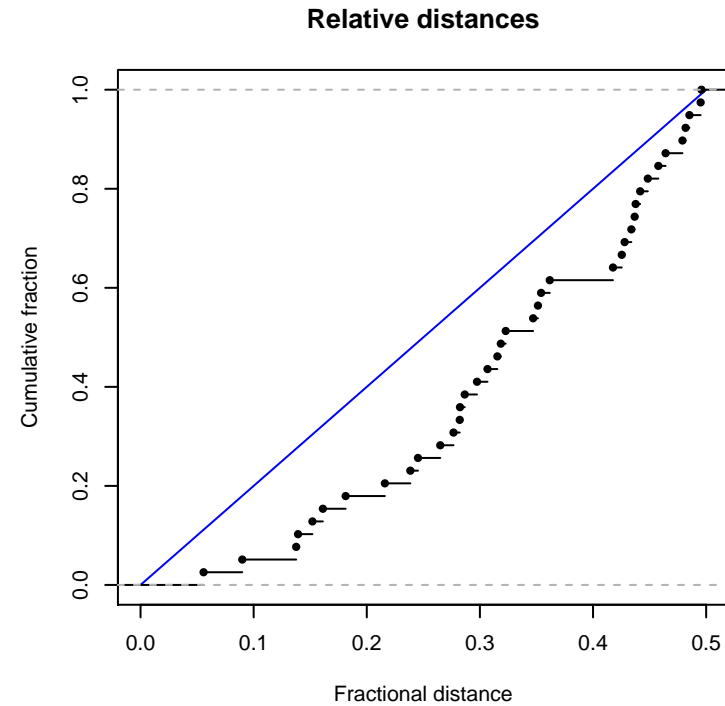
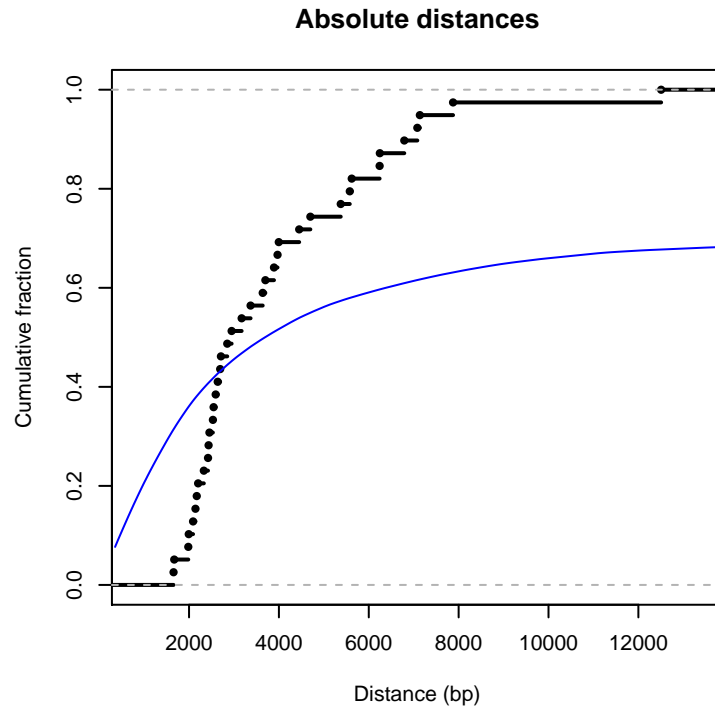
# pcontig\_003

Query population : 63  
Reference population : 403  
Relative Ks p-value : 0.000115462  
Relative ecdf deviation area : 0.0747668  
Relative ecdf area correlation : -0.284305  
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 : 9.54976e-07  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



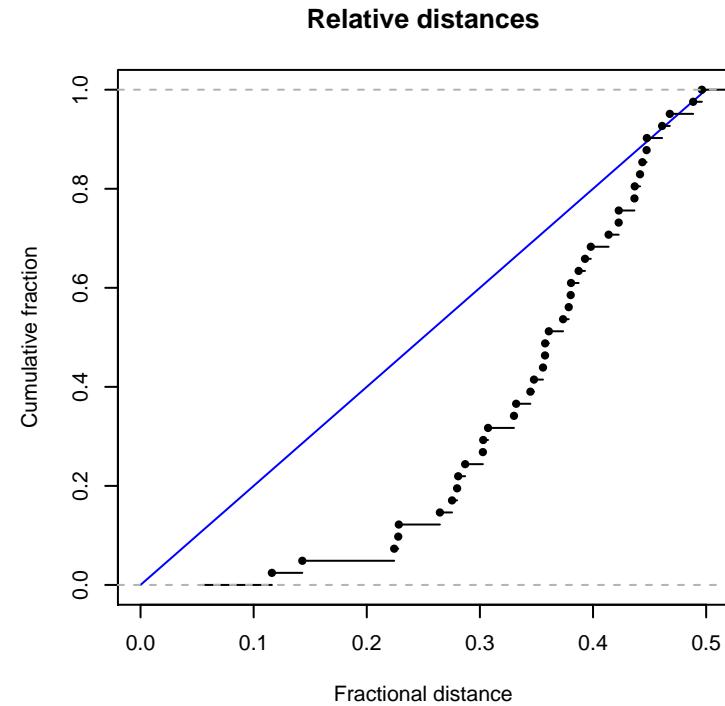
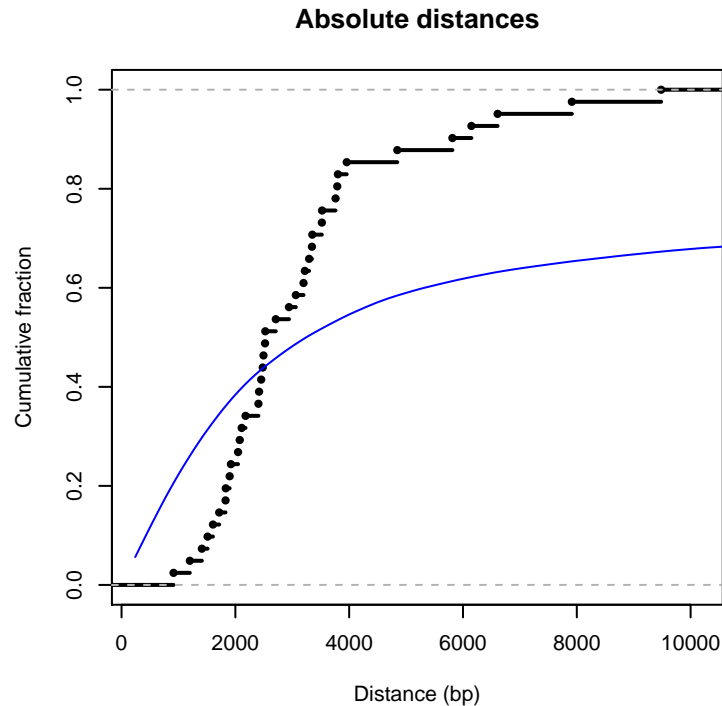
# pcontig\_004

Query population : 39  
Reference population : 332  
Relative Ks p-value : 0.00454652  
Relative ecdf deviation area : 0.0789168  
Relative ecdf area correlation : -0.314165  
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 : 0.000339215  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_005

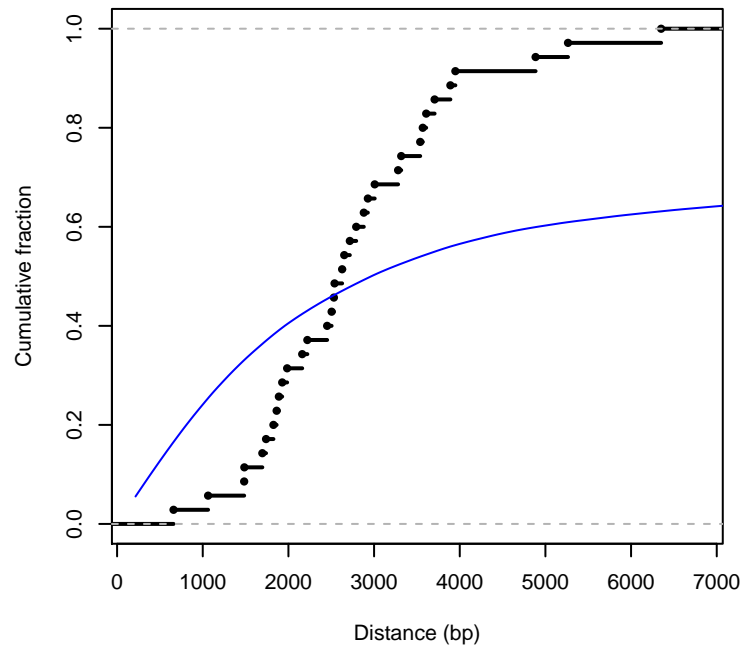
Query population : 41  
Reference population : 359  
Relative Ks p-value : 1.16178e-06  
Relative ecdf deviation area : 0.10427  
Relative ecdf area correlation : -0.41892  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 7.87144e-05  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



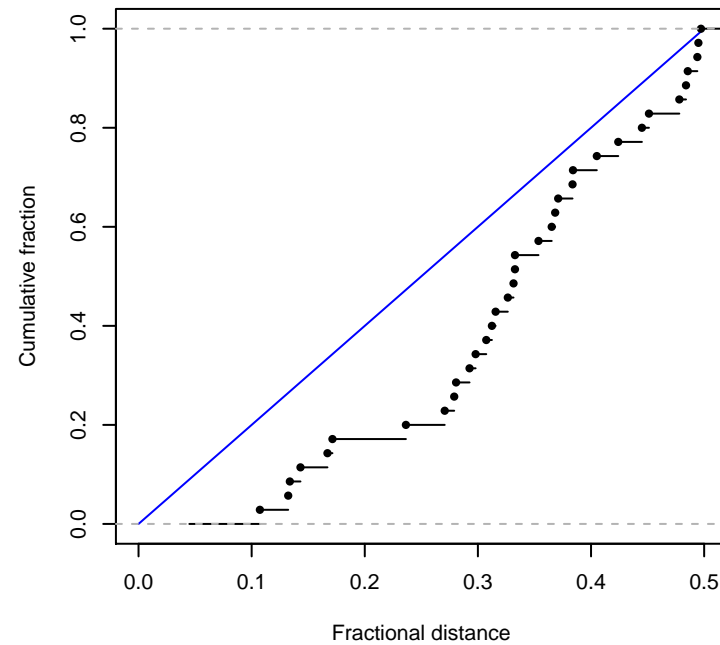
# pcontig\_006

Query population : 35  
Reference population : 395  
Relative Ks p-value : 0.000382953  
Relative ecdf deviation area : 0.0831098  
Relative ecdf area correlation : -0.332116  
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 : 0.000297123  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

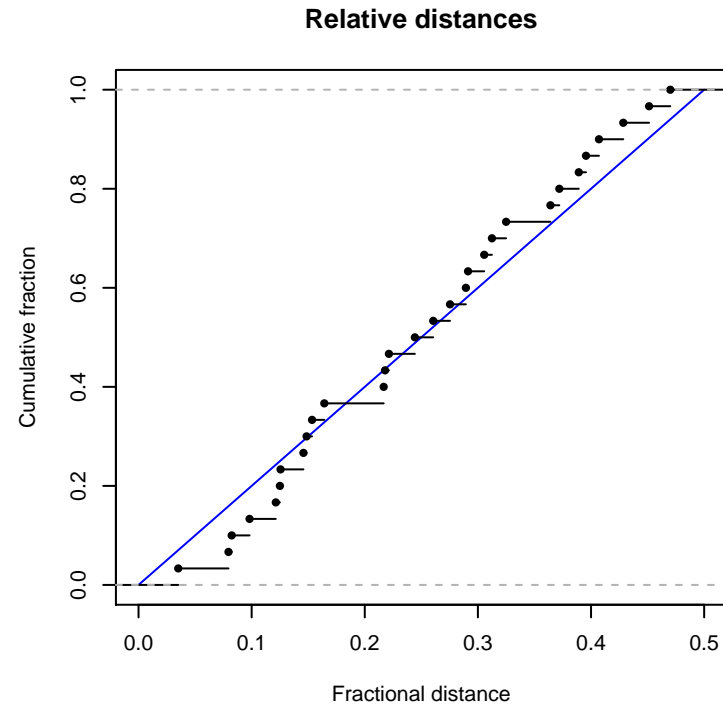
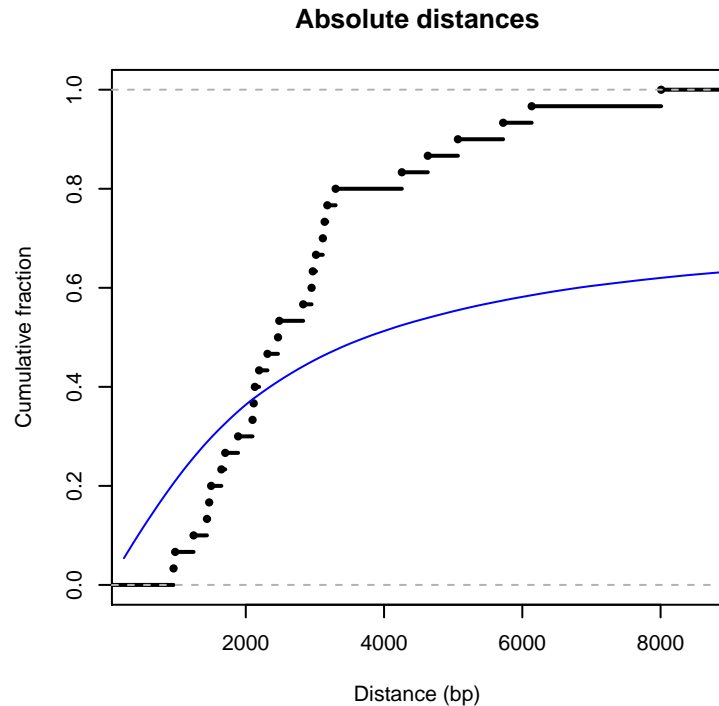


Relative distances



# pcontig\_007

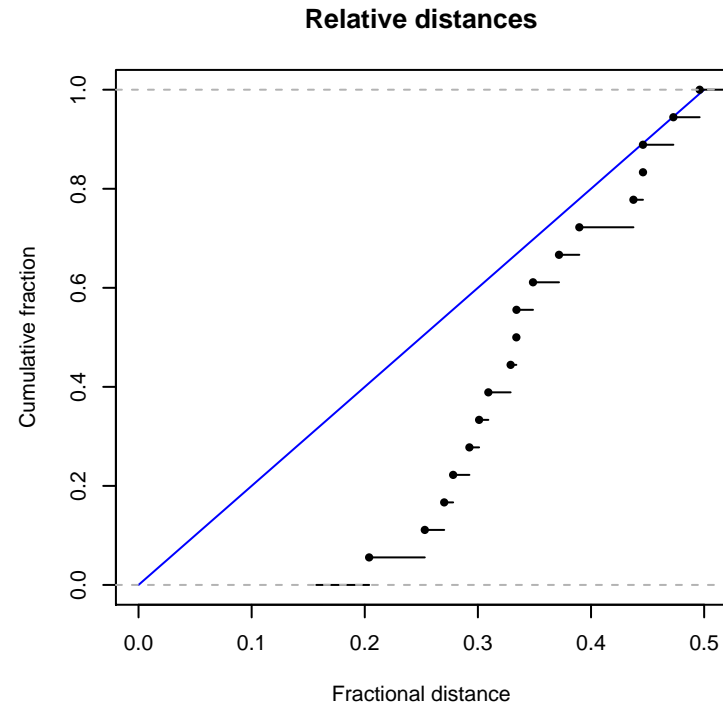
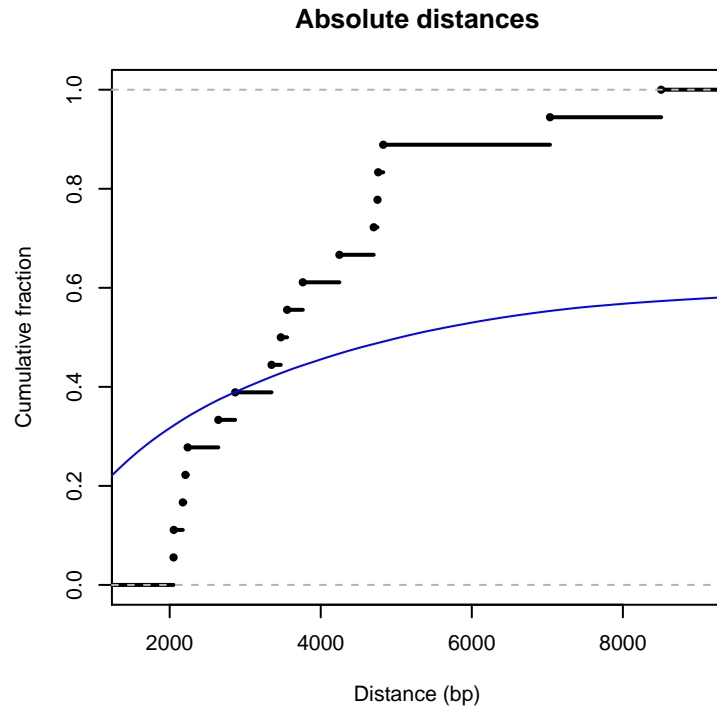
Query population : 30  
Reference population : 349  
Relative Ks p-value : 0.68361  
Relative ecdf deviation area : 0.0218744  
Relative ecdf area correlation : -0.00219024  
Relative ecdf deviation area p-value : 0.7  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.00292721  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





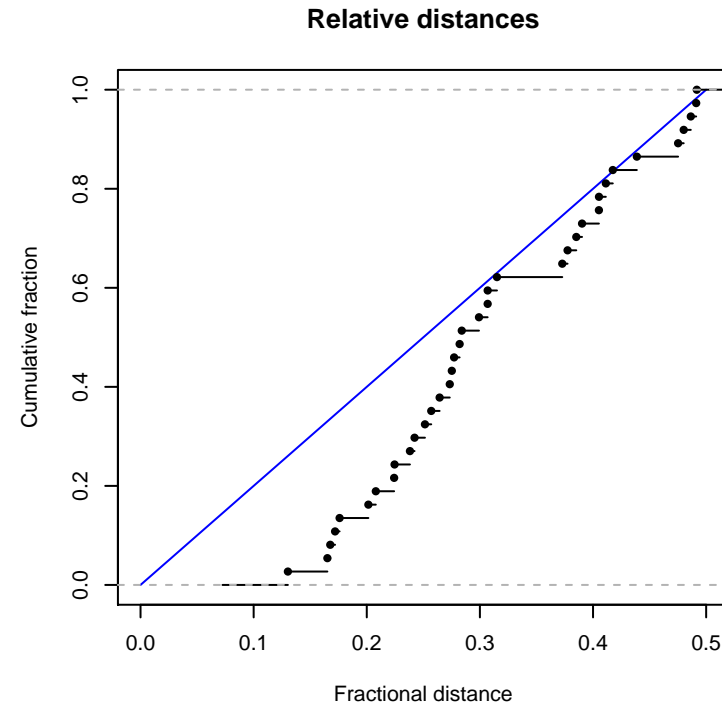
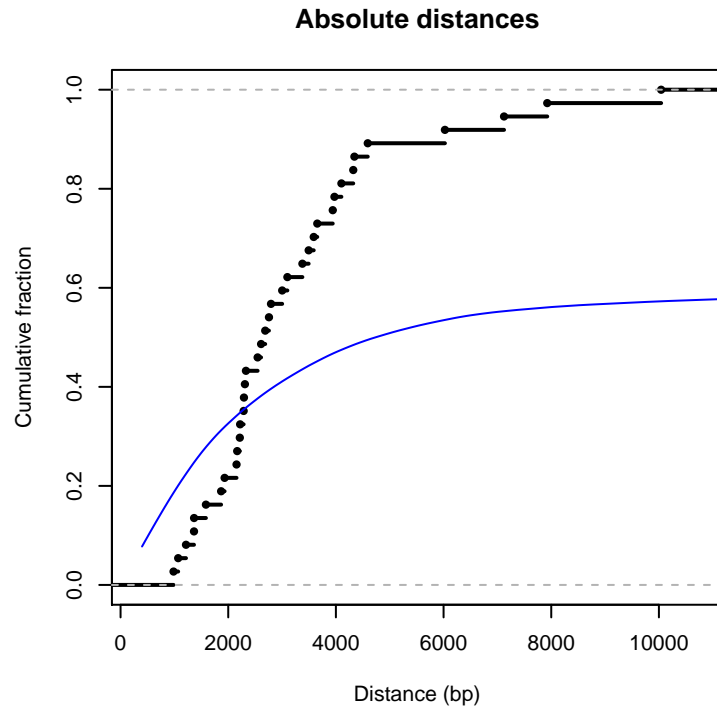
# pcontig\_008

Query population : 18  
Reference population : 293  
Relative Ks p-value : 0.000744315  
Relative ecdf deviation area : 0.100727  
Relative ecdf area correlation : -0.402967  
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 : 0.0414466  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



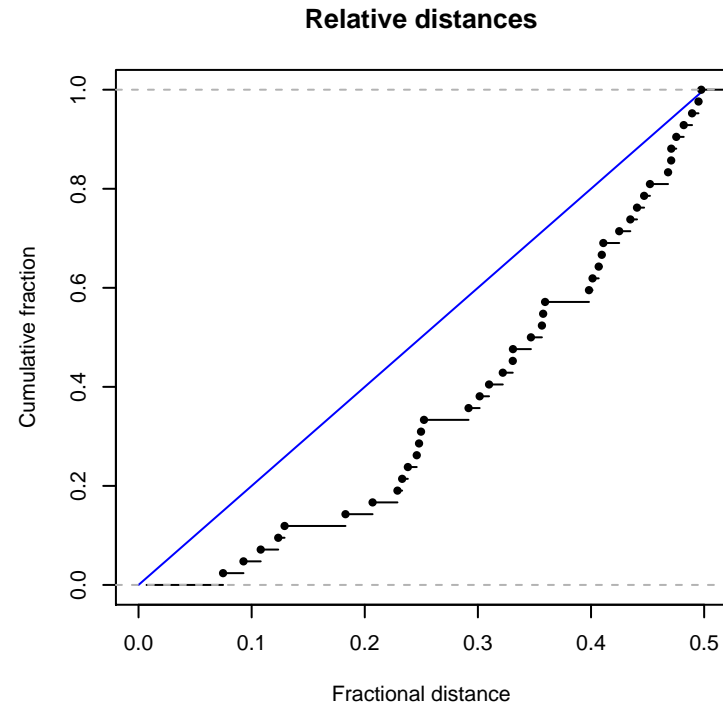
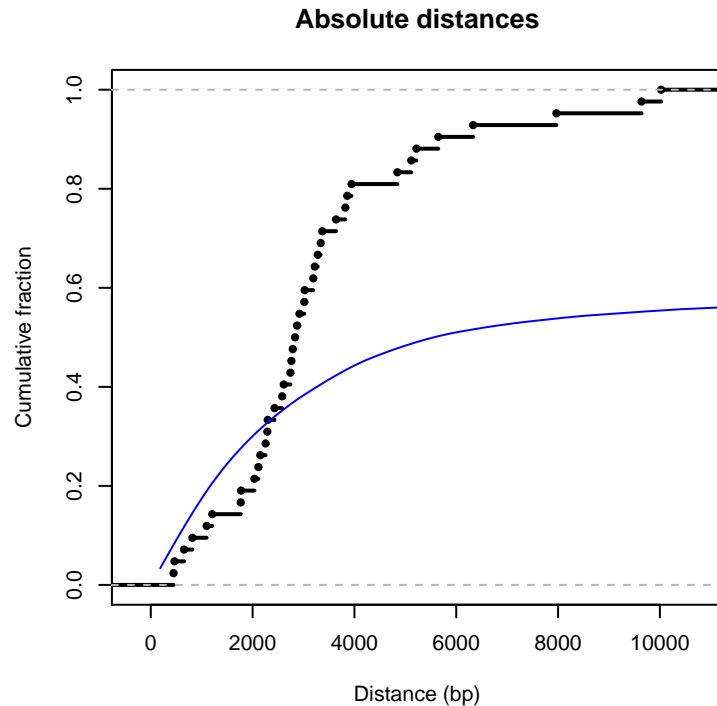
# pcontig\_009

Query population : 37  
Reference population : 298  
Relative Ks p-value : 0.00161855  
Relative ecdf deviation area : 0.0635577  
Relative ecdf area correlation : -0.250881  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.000325106  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



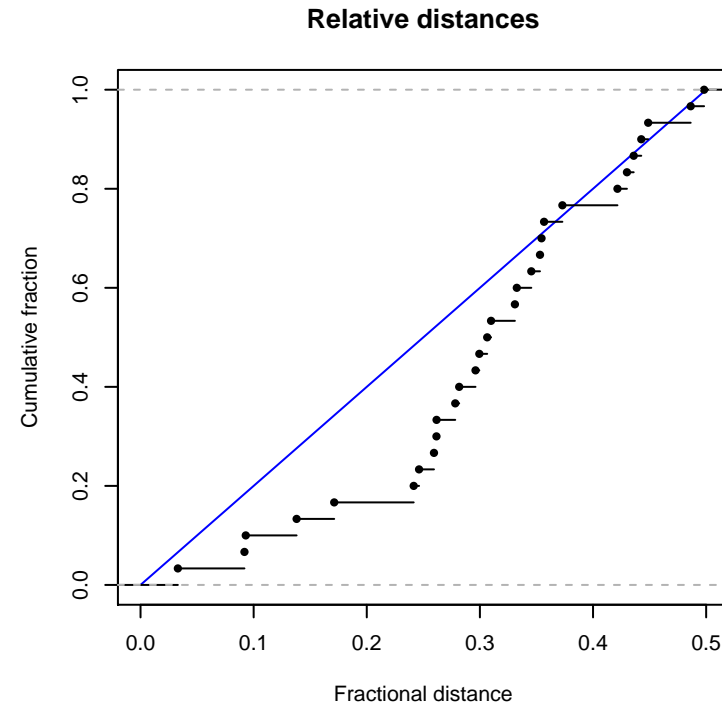
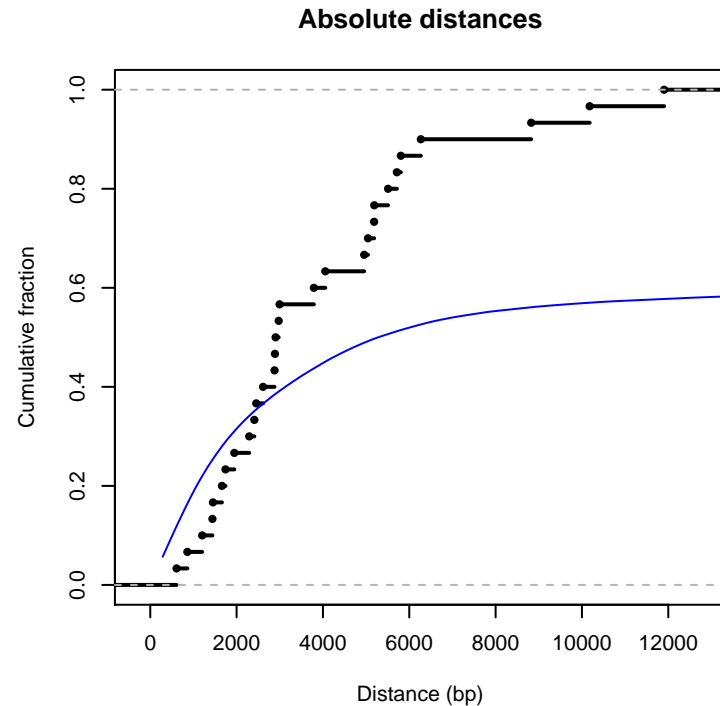
# pcontig\_010

Query population : 42  
Reference population : 279  
Relative Ks p-value : 0.00120034  
Relative ecdf deviation area : 0.0830649  
Relative ecdf area correlation : -0.333008  
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 : 0.00241654  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



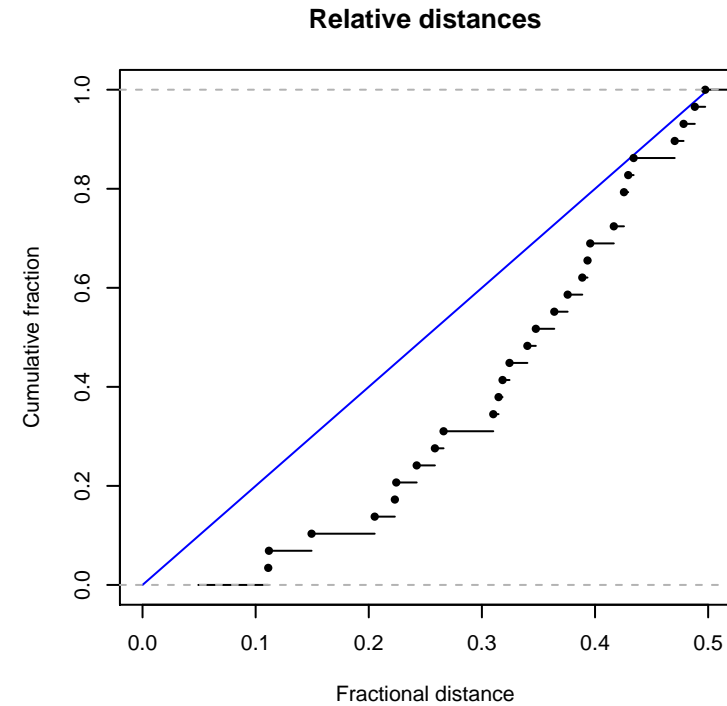
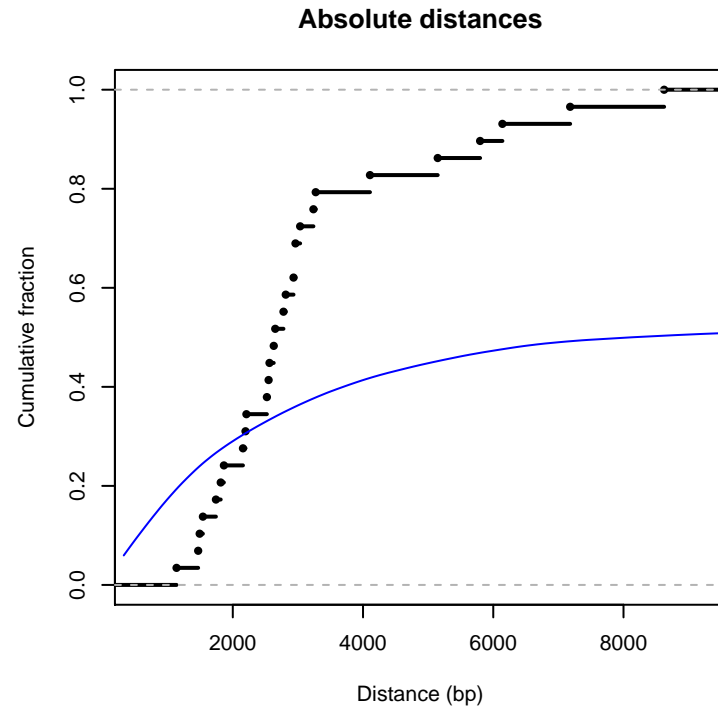
# pcontig\_011

Query population : 30  
Reference population : 302  
Relative Ks p-value : 0.00362129  
Relative ecdf deviation area : 0.0570806  
Relative ecdf area correlation : -0.223867  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.00293778  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



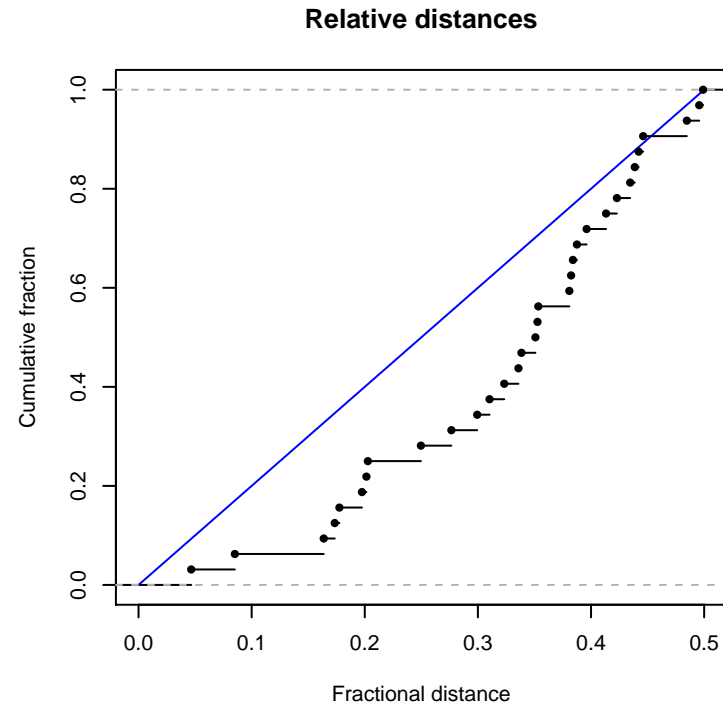
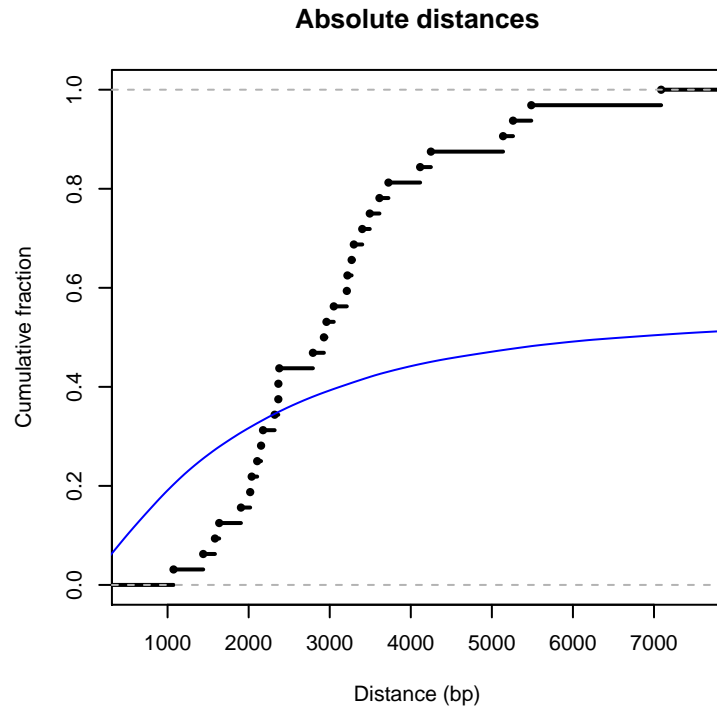
# pcontig\_012

Query population : 29  
Reference population : 280  
Relative Ks p-value : 0.00572192  
Relative ecdf deviation area : 0.085685  
Relative ecdf area correlation : -0.342117  
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 : 0.0115502  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



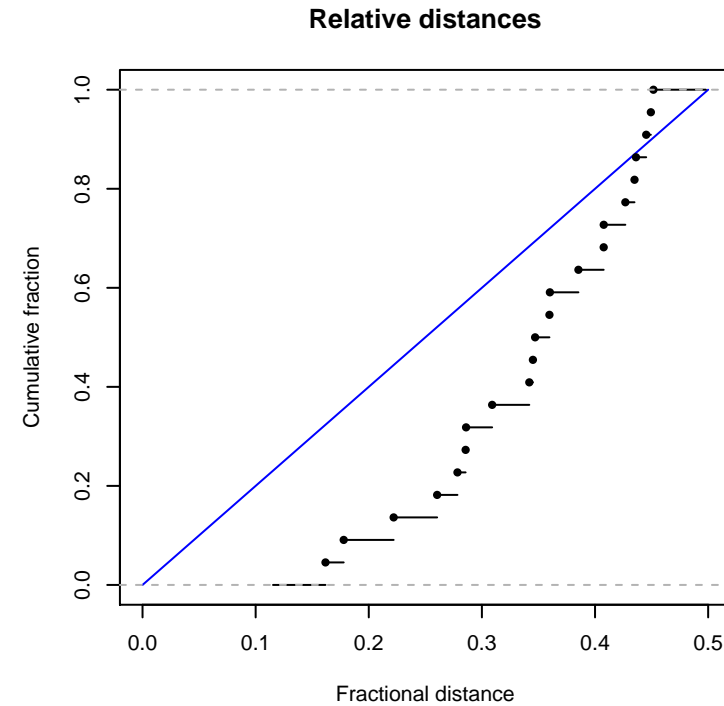
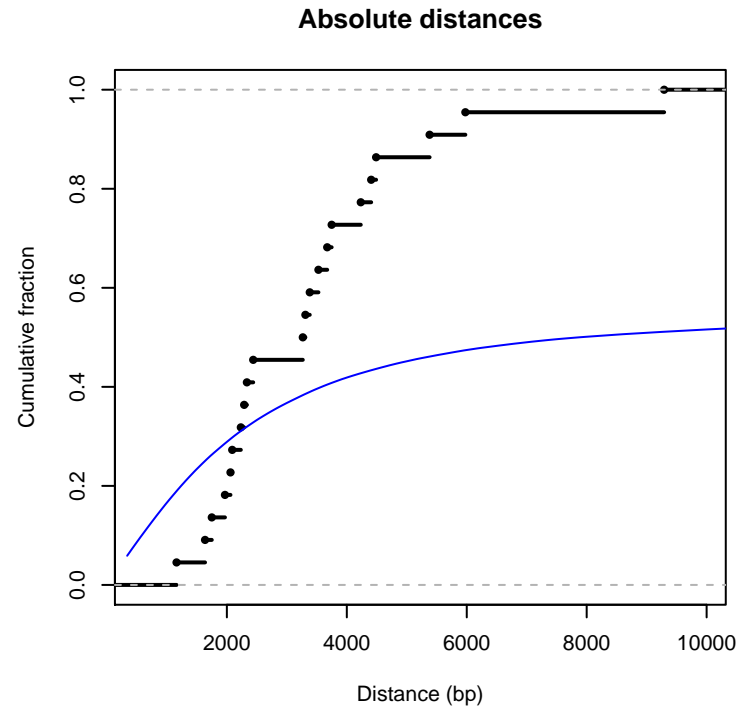
# pcontig\_013

Query population : 32  
Reference population : 312  
Relative Ks p-value : 0.00816719  
Relative ecdf deviation area : 0.0764429  
Relative ecdf area correlation : -0.305808  
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 : 0.00434909  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



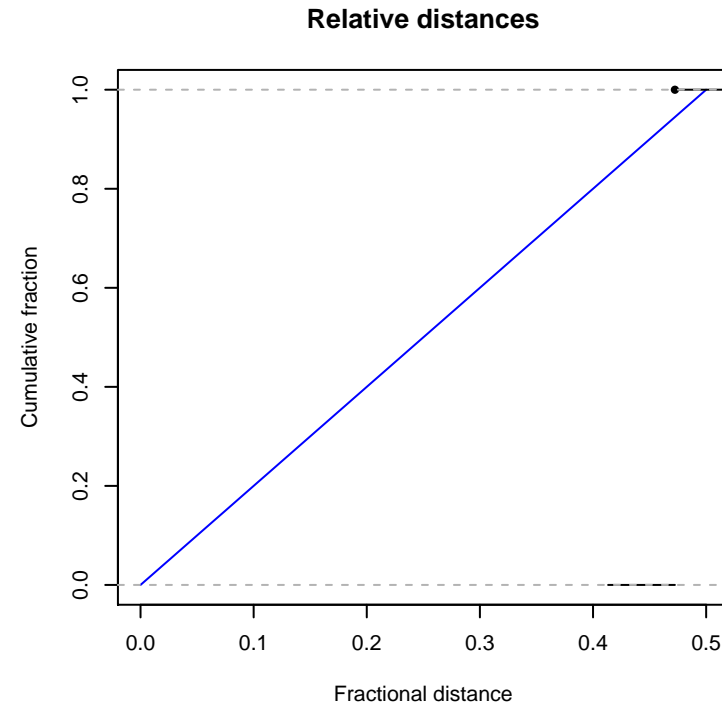
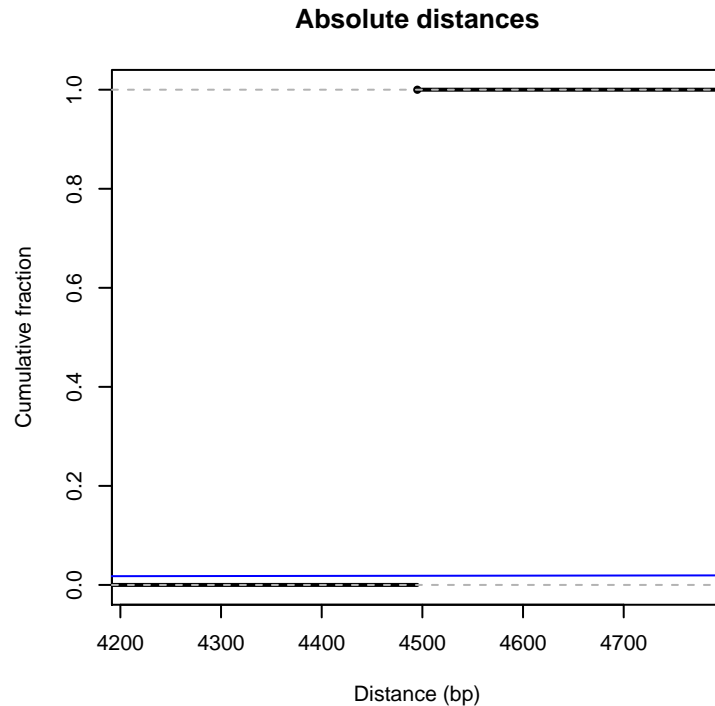
# pcontig\_014

Query population : 22  
Reference population : 267  
Relative Ks p-value : 0.00194989  
Relative ecdf deviation area : 0.0998363  
Relative ecdf area correlation : -0.378124  
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 : 0.0300905  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_015

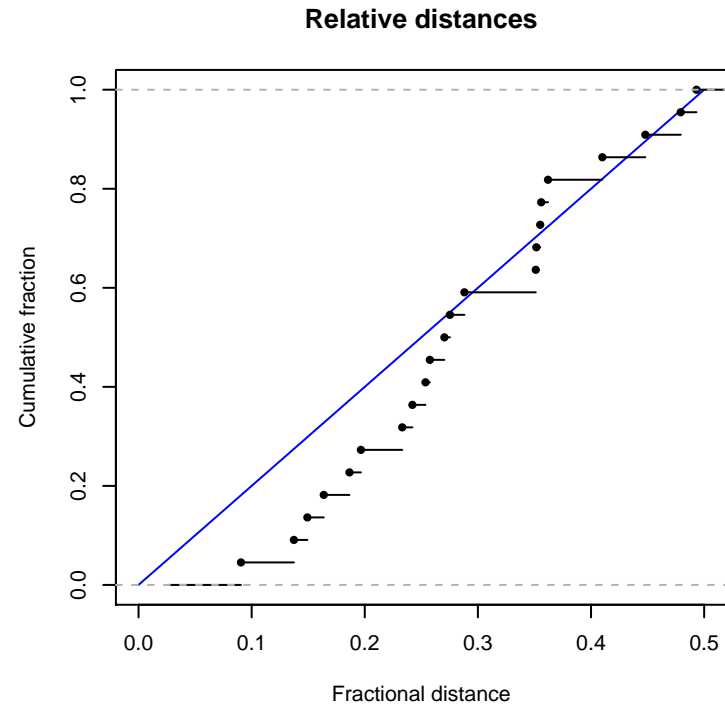
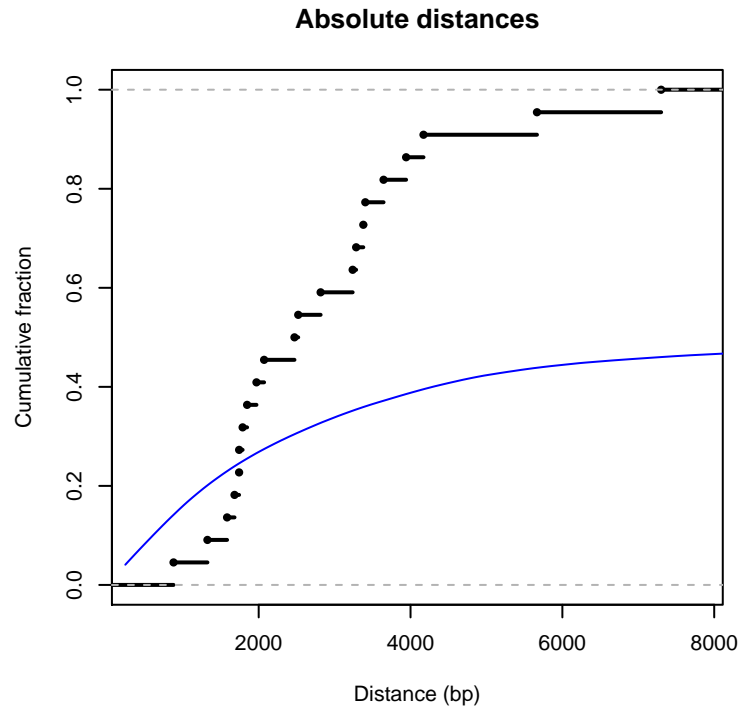
Query population : 1  
Reference population : 10  
Relative Ks p-value : 0.110451  
Relative ecdf deviation area : 0.22439  
Relative ecdf area correlation : -0.889549  
Relative ecdf deviation area p-value : 0.1  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00374135  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





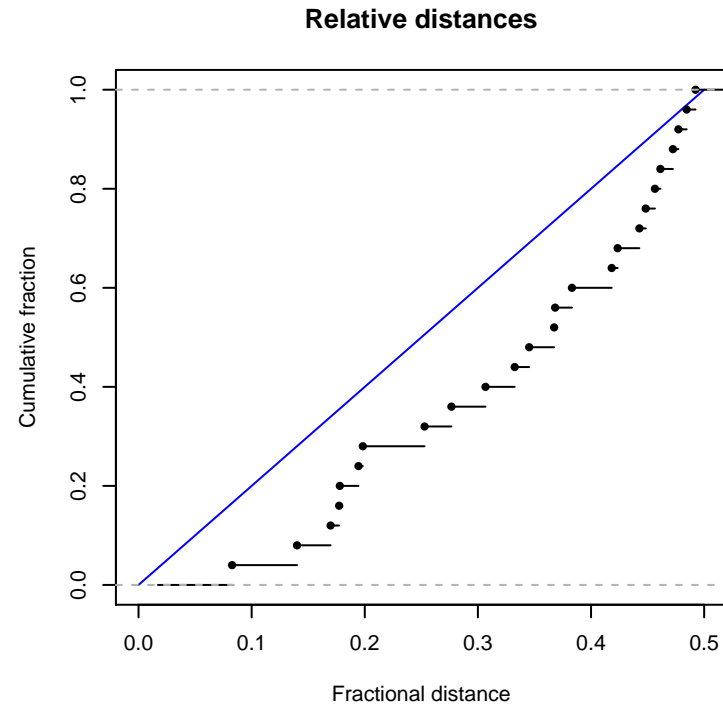
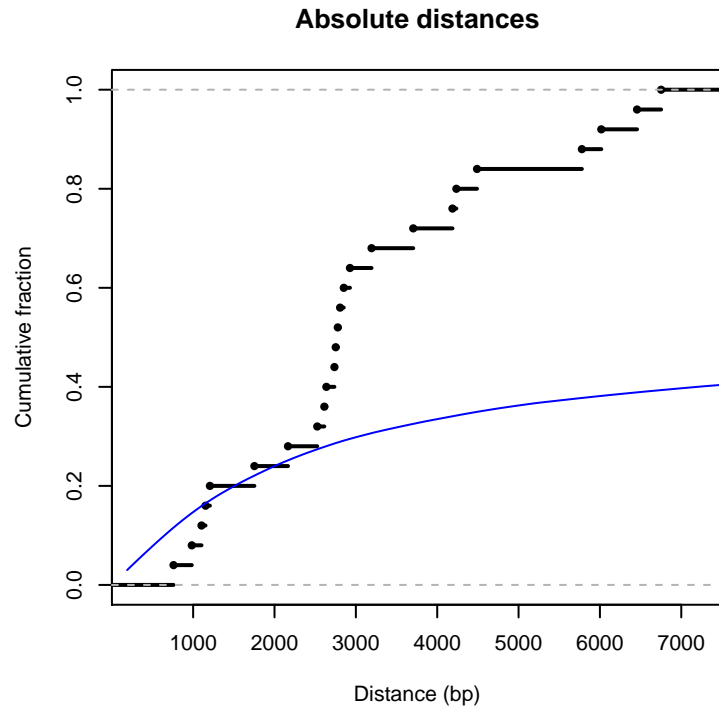
# pcontig\_016

Query population : 22  
Reference population : 257  
Relative Ks p-value : 0.16908  
Relative ecdf deviation area : 0.0448385  
Relative ecdf area correlation : -0.154611  
Relative ecdf deviation area p-value : 0.22  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0332945  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



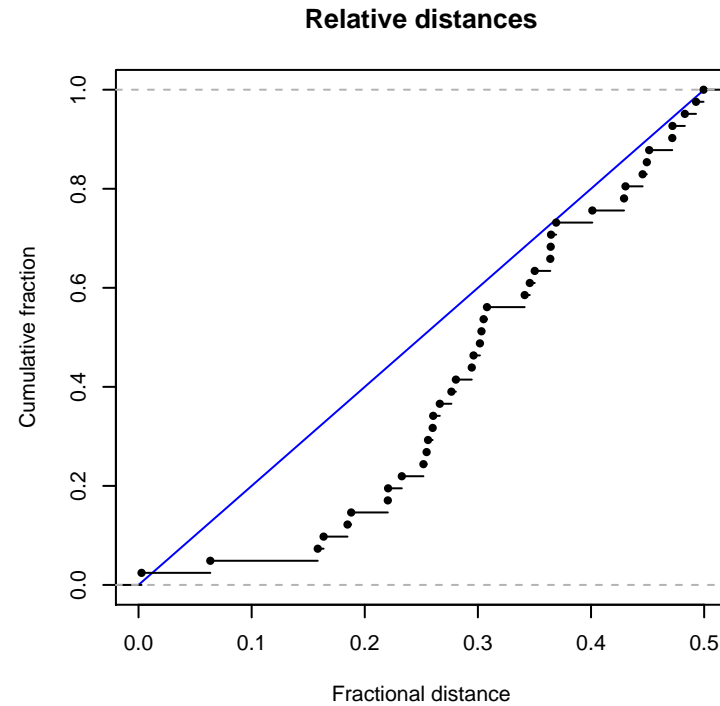
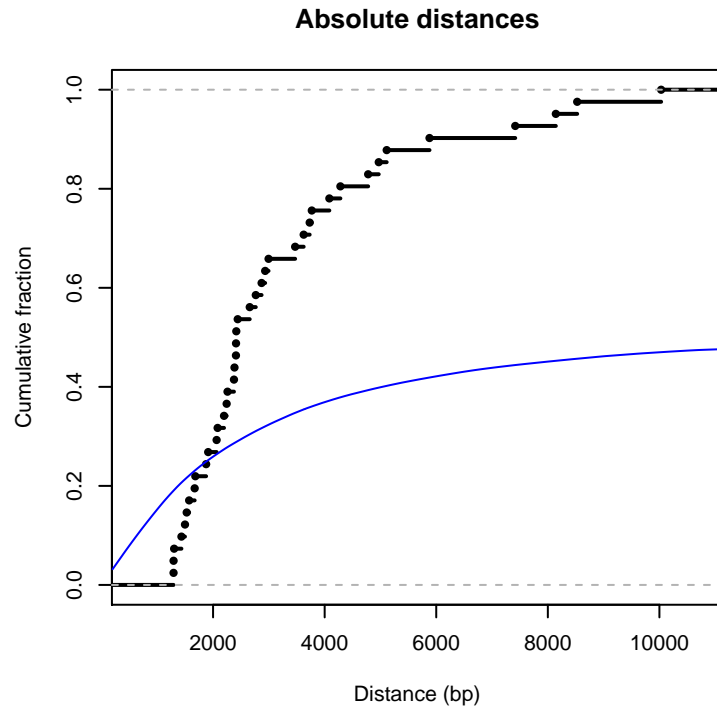
# pcontig\_017

Query population : 25  
Reference population : 244  
Relative Ks p-value : 0.0486264  
Relative ecdf deviation area : 0.0842857  
Relative ecdf area correlation : -0.33612  
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 : 0.0341878  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_018

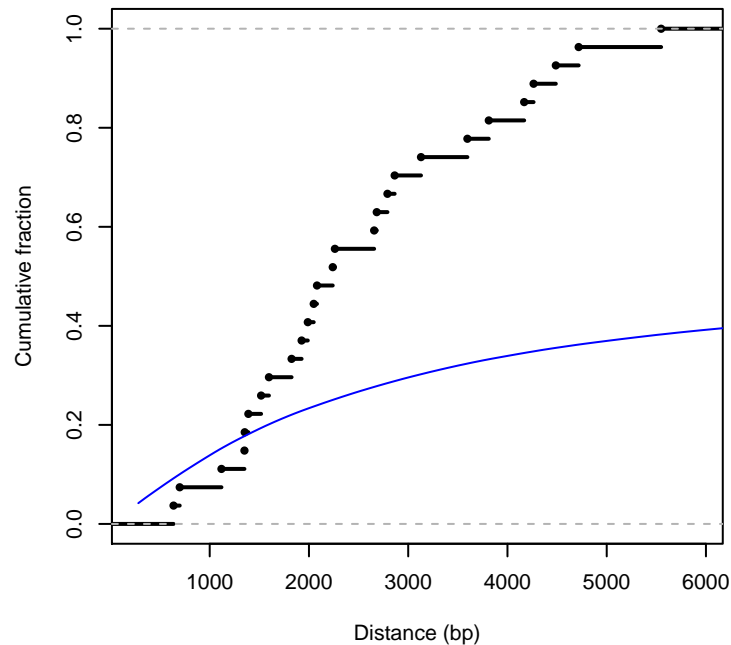
Query population : 41  
Reference population : 245  
Relative Ks p-value : 0.00121127  
Relative ecdf deviation area : 0.0640596  
Relative ecdf area correlation : -0.256157  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.00613961  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



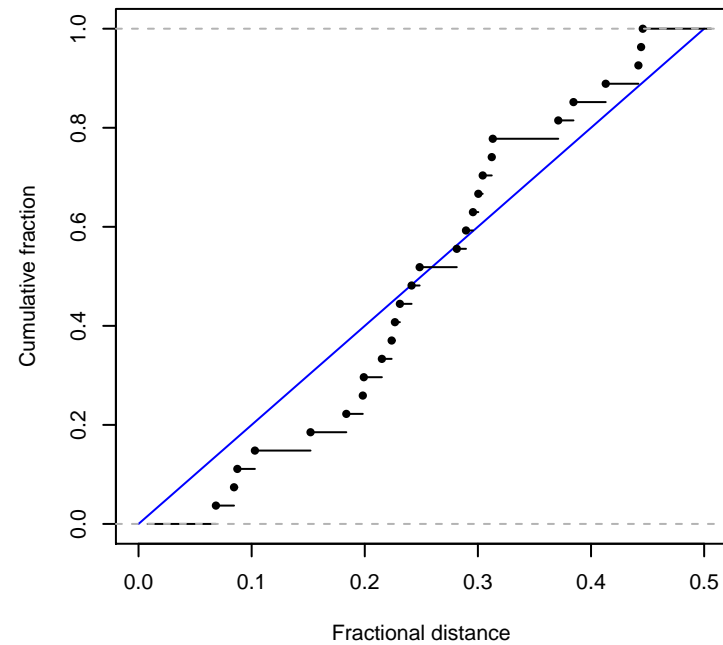
# pcontig\_019

Query population : 27  
Reference population : 229  
Relative Ks p-value : 0.294676  
Relative ecdf deviation area : 0.0379198  
Relative ecdf area correlation : -0.0458509  
Relative ecdf deviation area p-value : 0.2  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0440783  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances



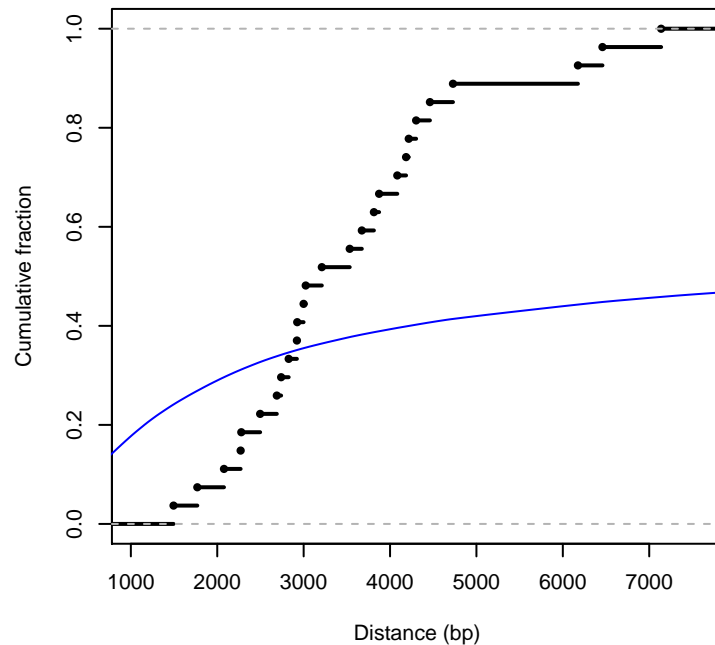
Relative distances



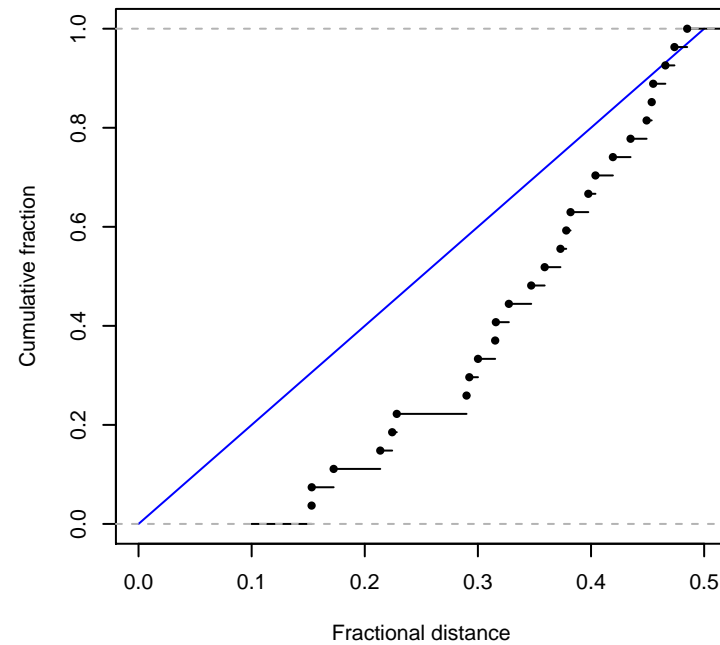
# pcontig\_020

Query population : 27  
Reference population : 287  
Relative Ks p-value : 0.00134316  
Relative ecdf deviation area : 0.0938111  
Relative ecdf area correlation : -0.372275  
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 : 0.0161443  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

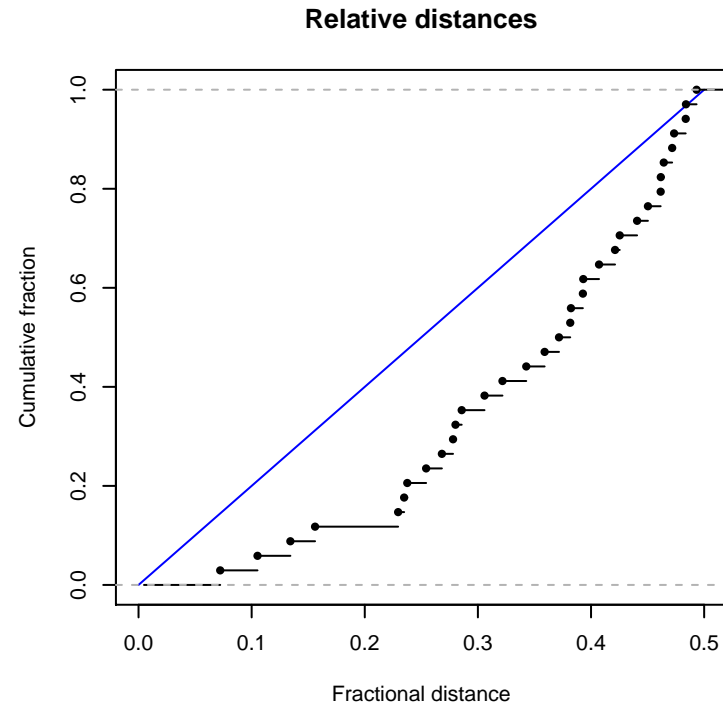
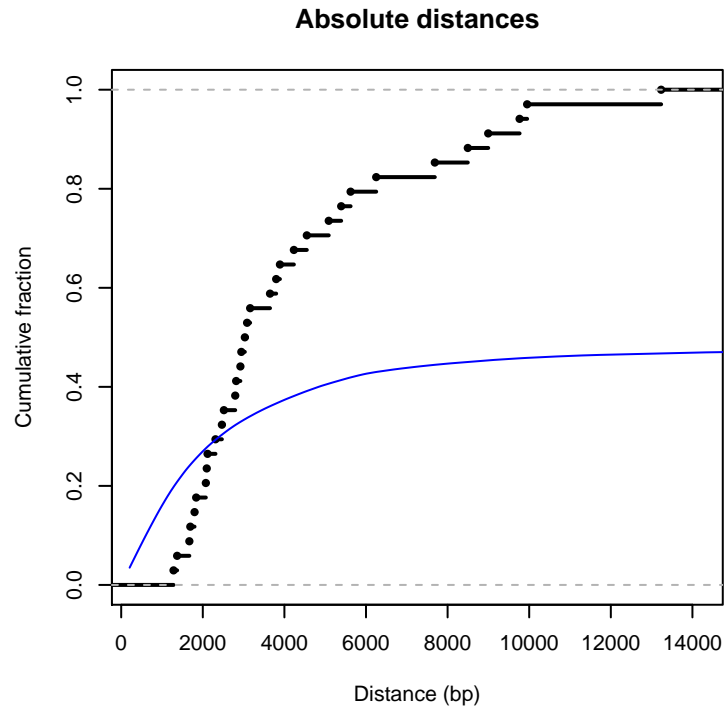


Relative distances



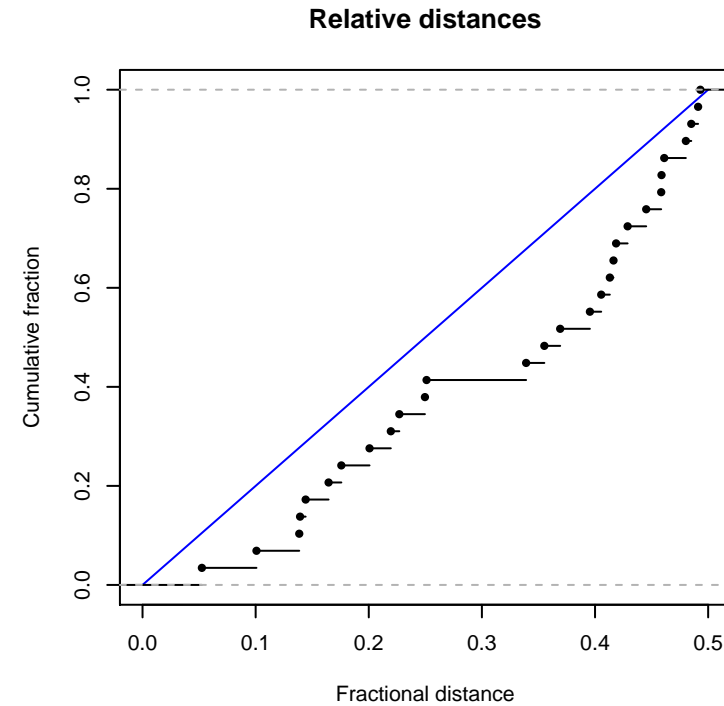
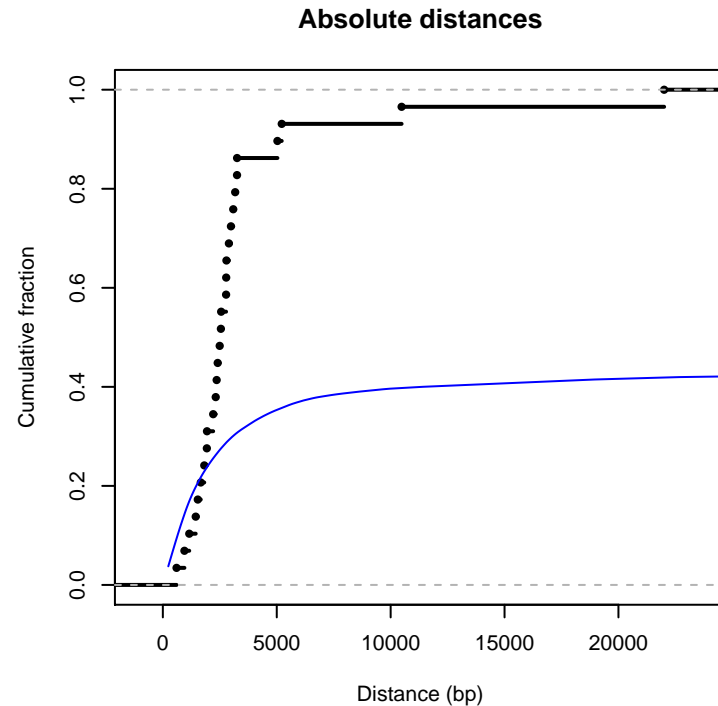
# pcontig\_021

Query population : 34  
Reference population : 258  
Relative Ks p-value : 0.00048659  
Relative ecdf deviation area : 0.0952519  
Relative ecdf area correlation : -0.379407  
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 : 0.00467114  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



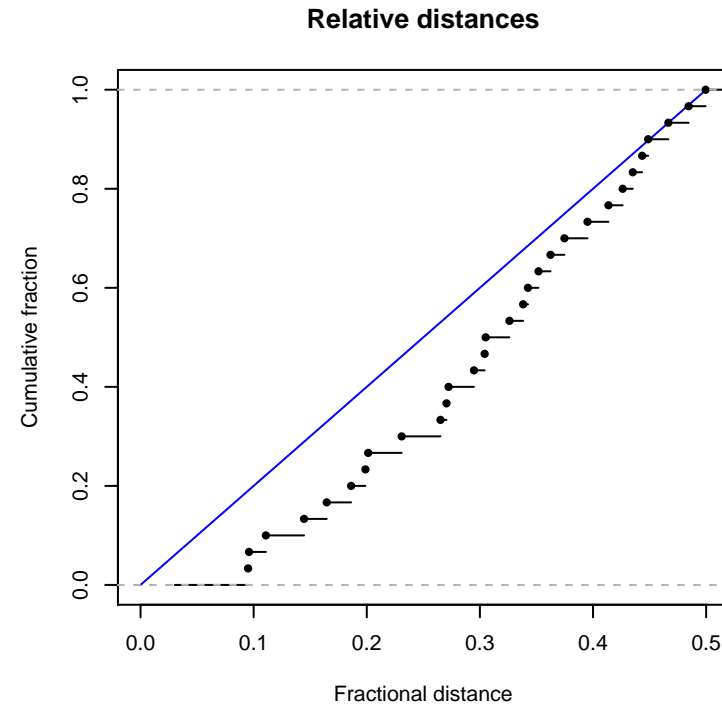
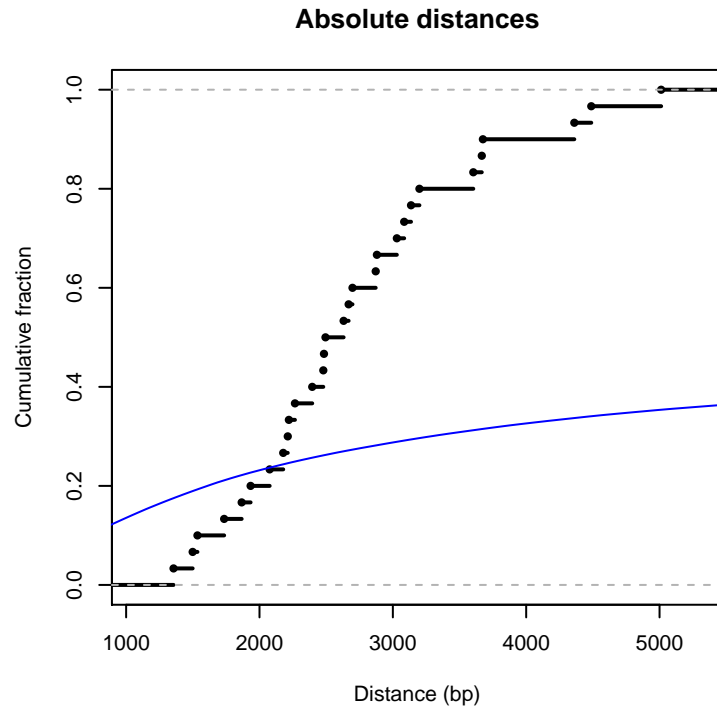
# pcontig\_022

Query population : 29  
Reference population : 241  
Relative Ks p-value : 0.0206584  
Relative ecdf deviation area : 0.0731245  
Relative ecdf area correlation : -0.293503  
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 : 0.020593  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_023

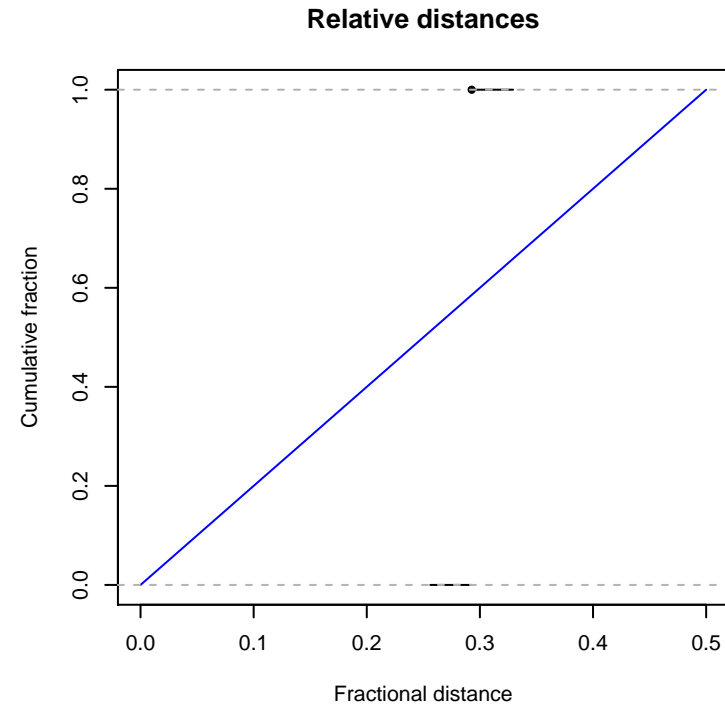
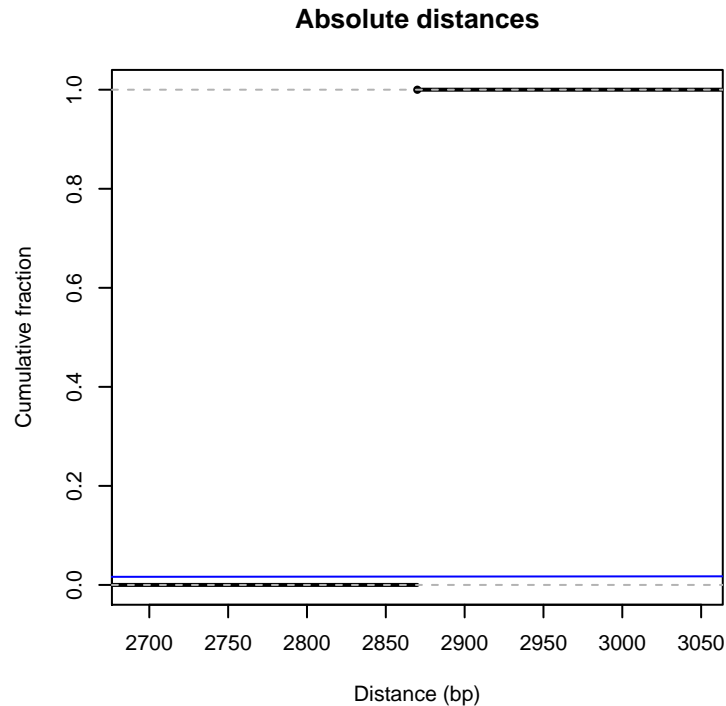
Query population : 30  
Reference population : 221  
Relative Ks p-value : 0.0699065  
Relative ecdf deviation area : 0.0581059  
Relative ecdf area correlation : -0.233166  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0216474  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





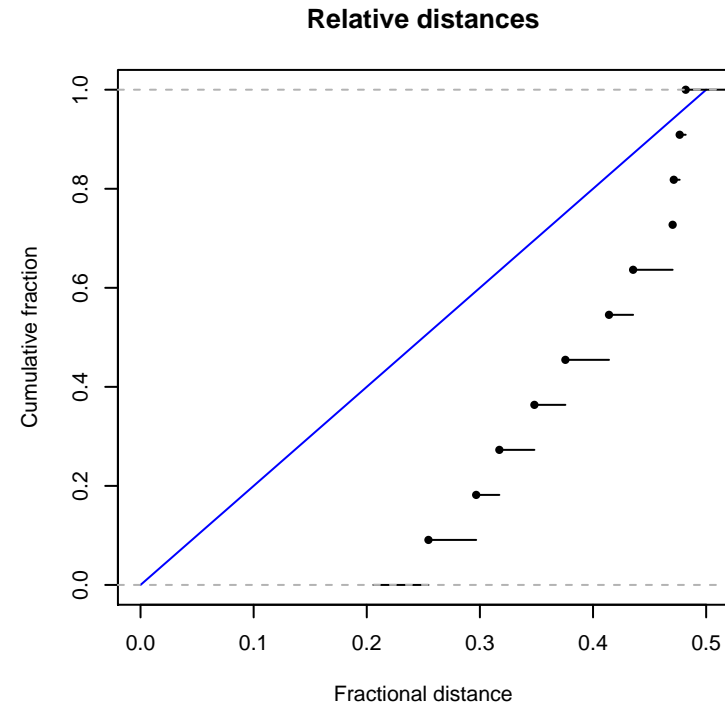
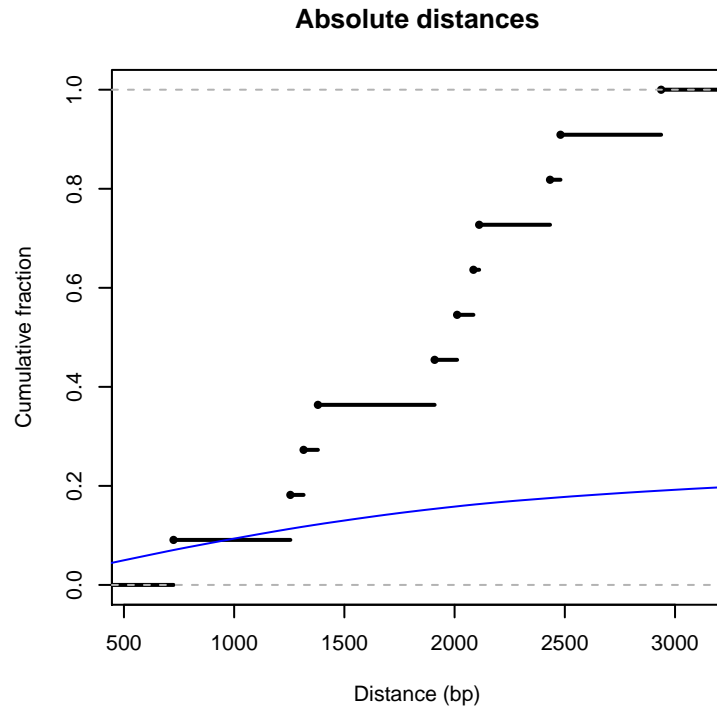
## pcontig\_024

Query population : 1  
Reference population : 16  
Relative Ks p-value : 0.82899  
Relative ecdf deviation area : 0.128637  
Relative ecdf area correlation : -0.17101  
Relative ecdf deviation area p-value : 0.86  
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 : 0.00771554  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



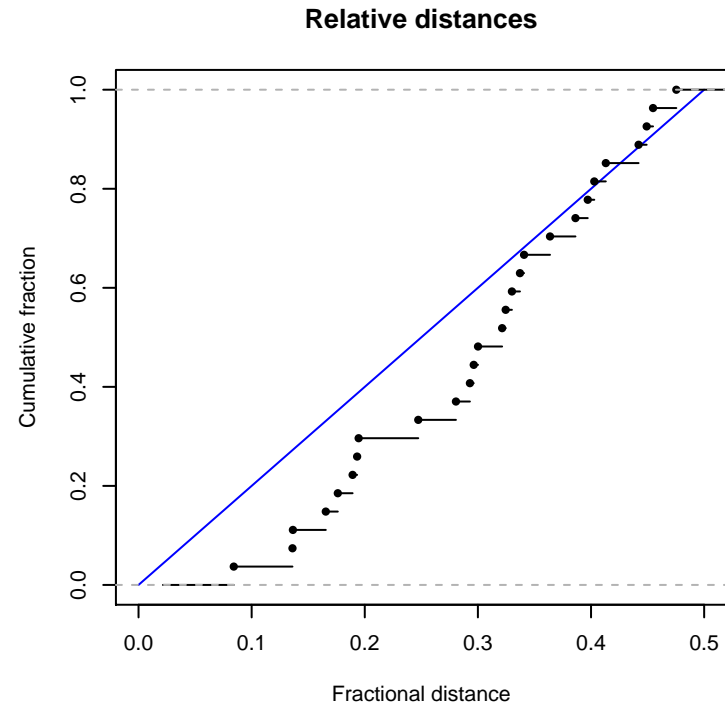
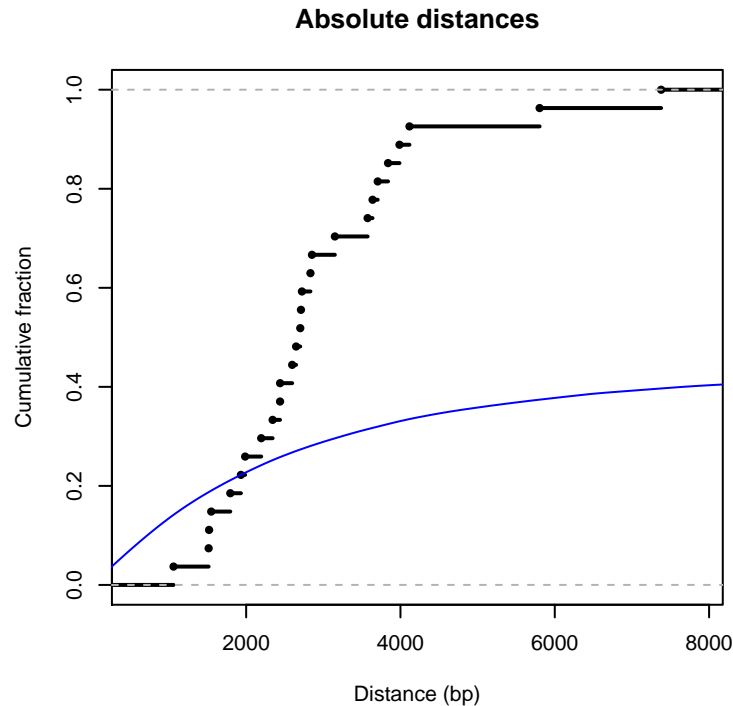
# pcontig\_025

Query population : 11  
Reference population : 158  
Relative Ks p-value : 0.00362495  
Relative ecdf deviation area : 0.145941  
Relative ecdf area correlation : -0.578923  
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 : 0.23  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.445334  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



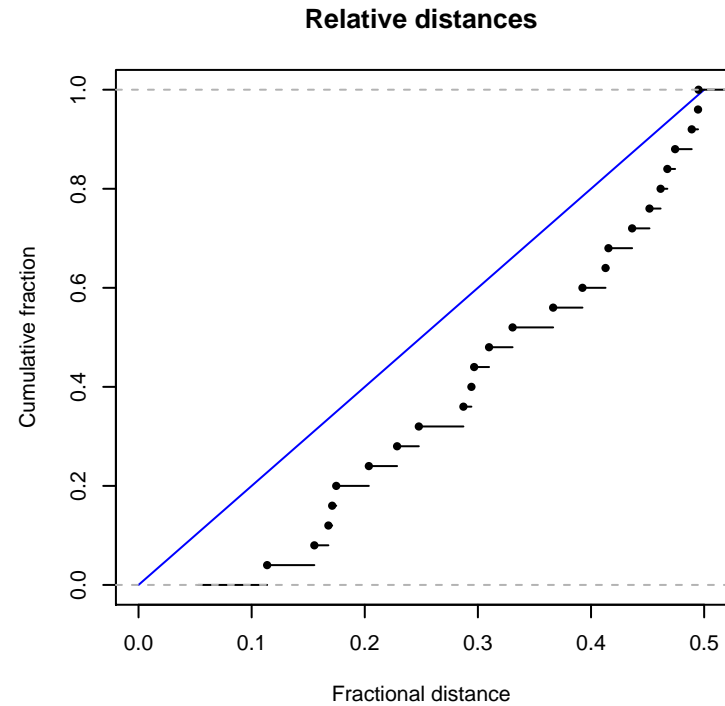
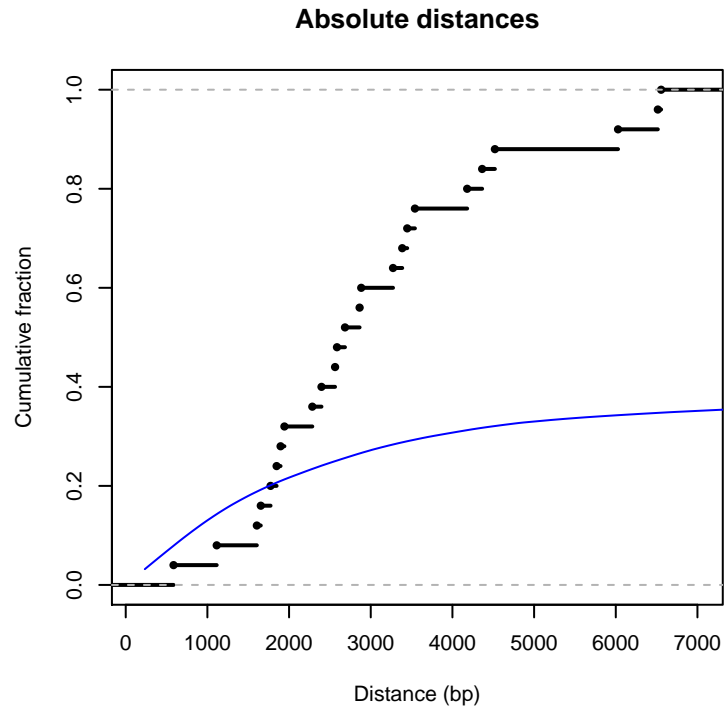
# pcontig\_026

Query population : 27  
Reference population : 220  
Relative Ks p-value : 0.0850872  
Relative ecdf deviation area : 0.0543743  
Relative ecdf area correlation : -0.204624  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0642314  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_027

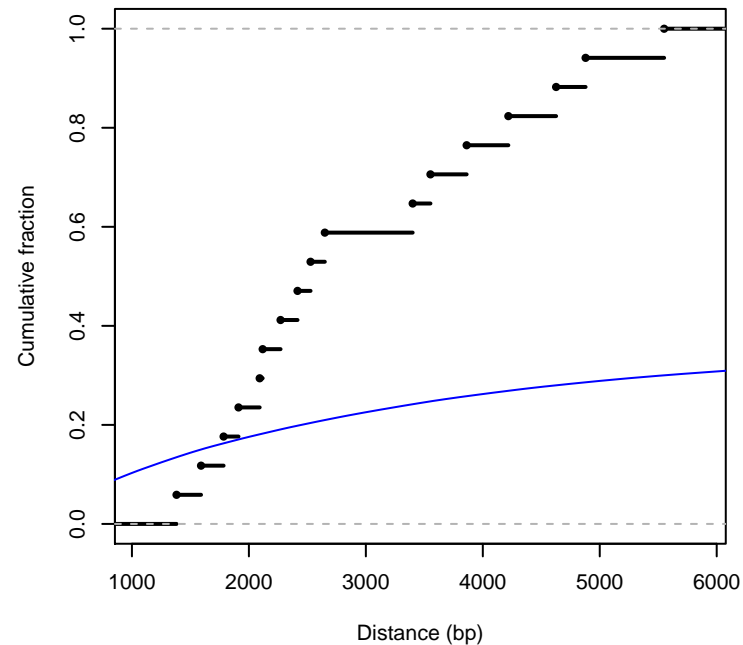
Query population : 25  
Reference population : 209  
Relative Ks p-value : 0.0413338  
Relative ecdf deviation area : 0.0838797  
Relative ecdf area correlation : -0.334186  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0694587  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



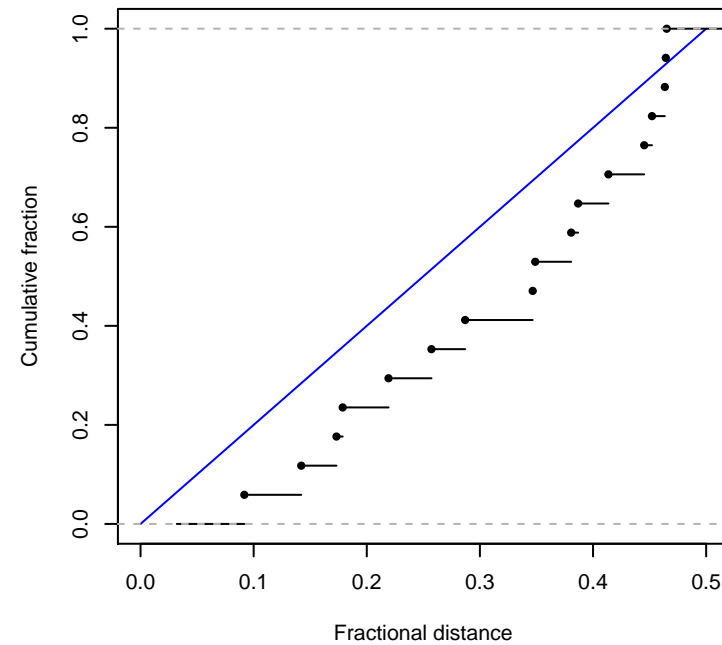
# pcontig\_028

Query population : 17  
Reference population : 166  
Relative Ks p-value : 0.110158  
Relative ecdf deviation area : 0.0771597  
Relative ecdf area correlation : -0.2979  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.149663  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

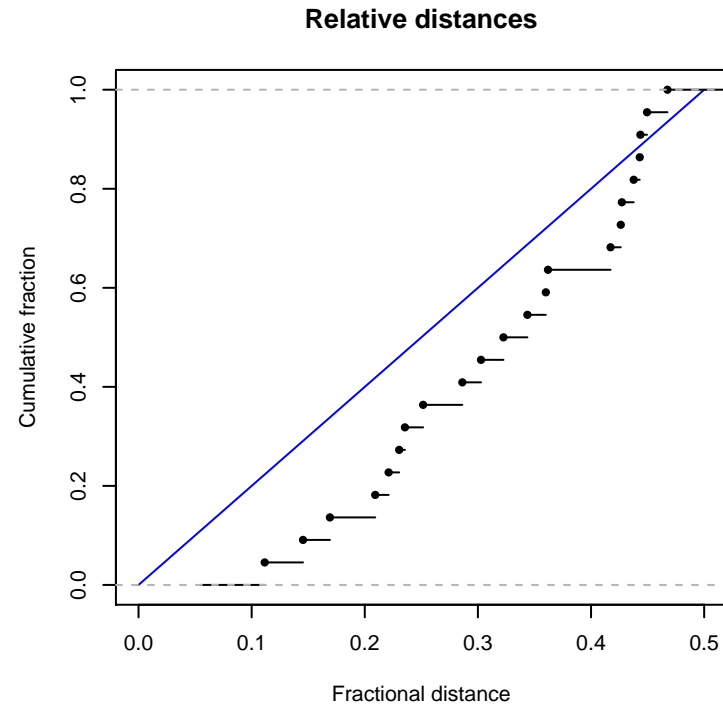
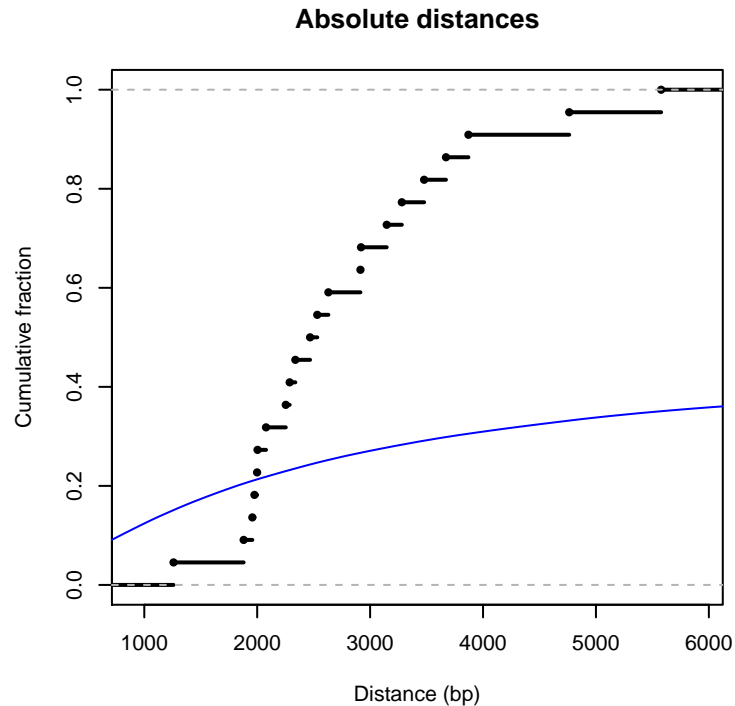


Relative distances



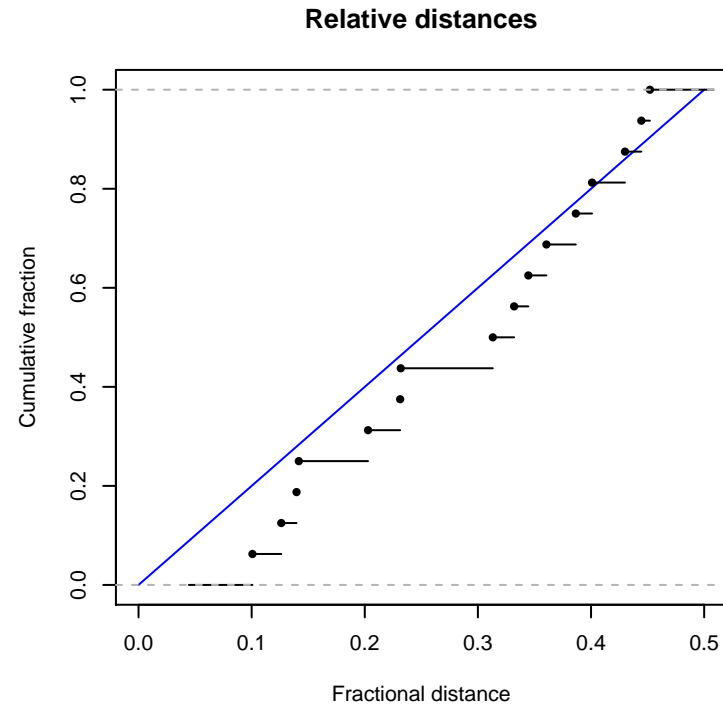
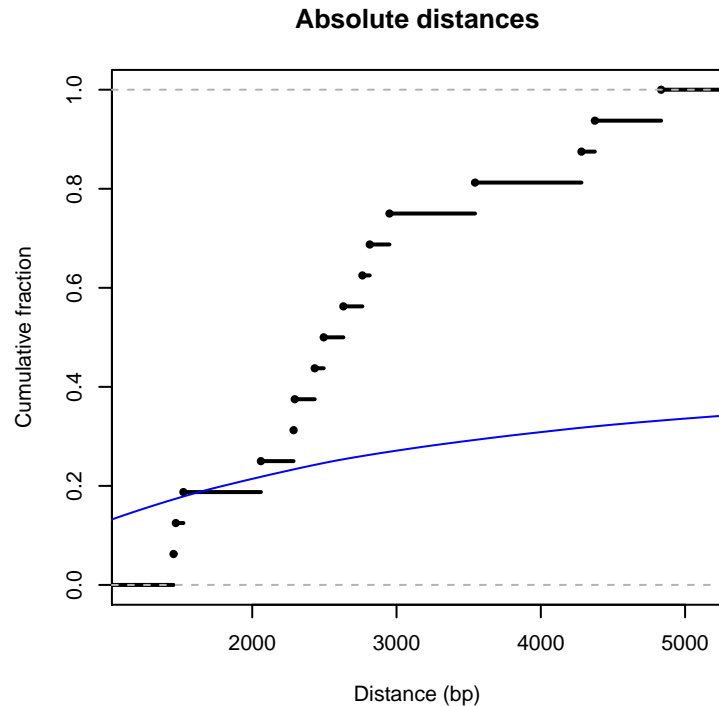
# pcontig\_029

Query population : 22  
Reference population : 201  
Relative Ks p-value : 0.0484392  
Relative ecdf deviation area : 0.0752181  
Relative ecdf area correlation : -0.284291  
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 : 0.125883  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



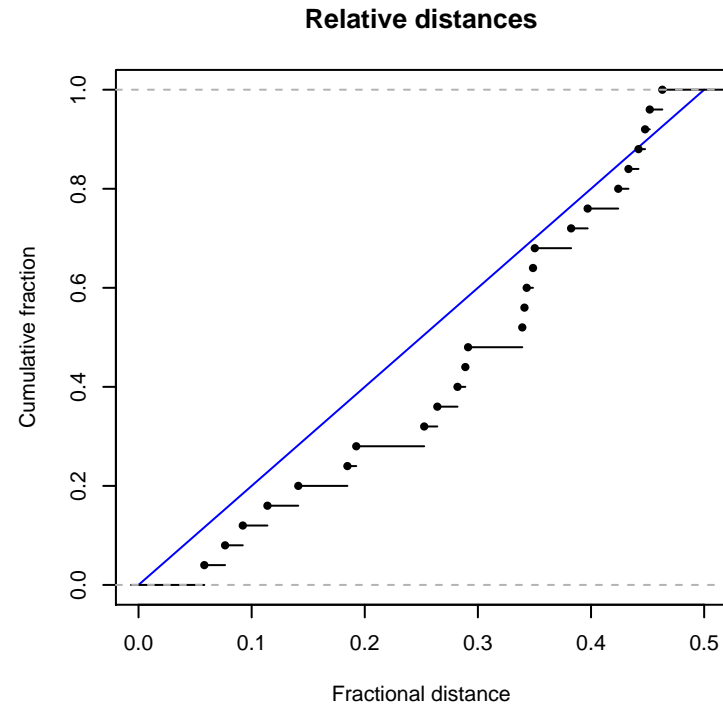
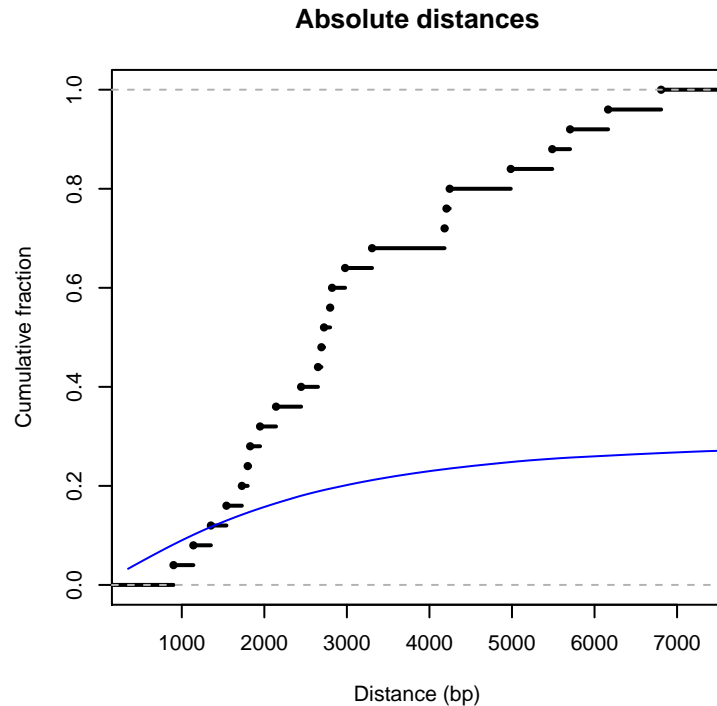
# pcontig\_030

Query population : 16  
Reference population : 211  
Relative Ks p-value : 0.474876  
Relative ecdf deviation area : 0.0449861  
Relative ecdf area correlation : -0.159615  
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 : 0.07  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.174375  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_031

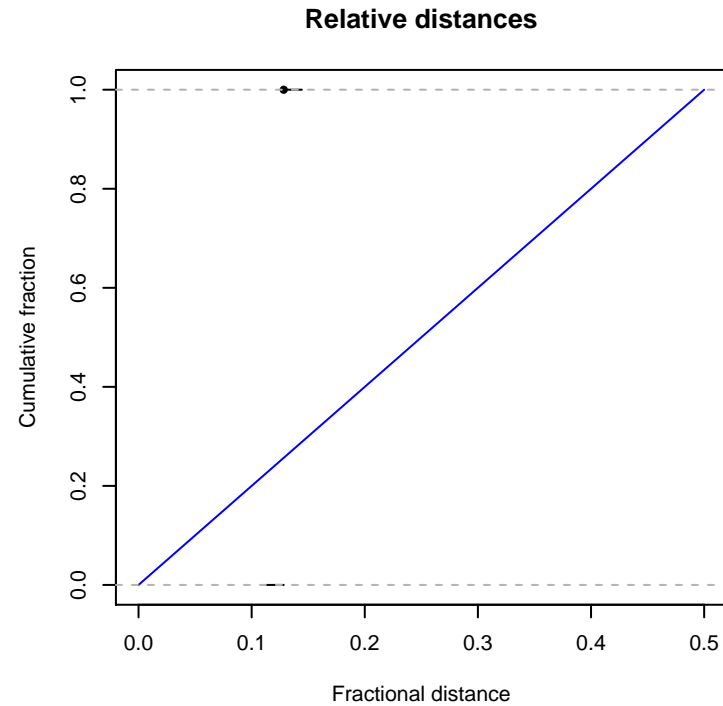
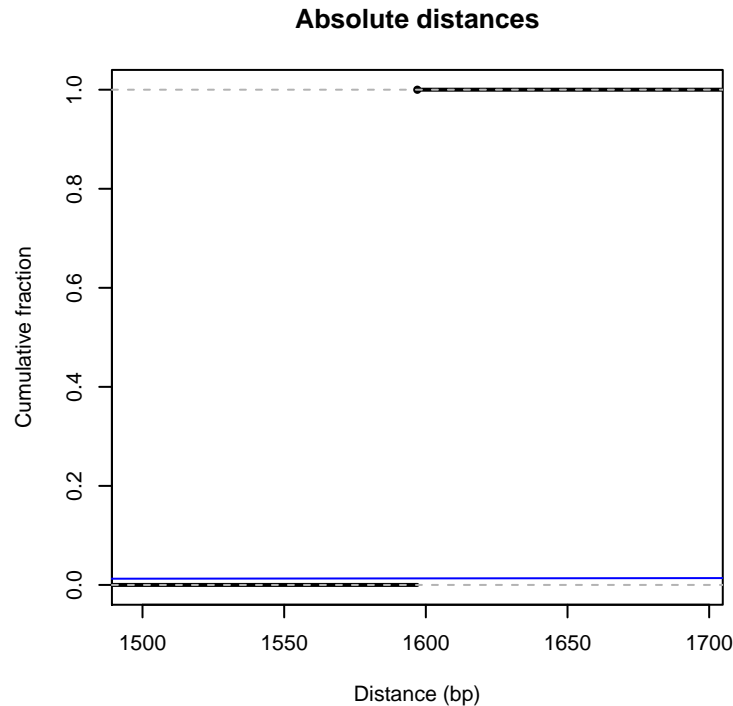
Query population : 25  
Reference population : 143  
Relative Ks p-value : 0.135684  
Relative ecdf deviation area : 0.0498938  
Relative ecdf area correlation : -0.184288  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.08  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.142063  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





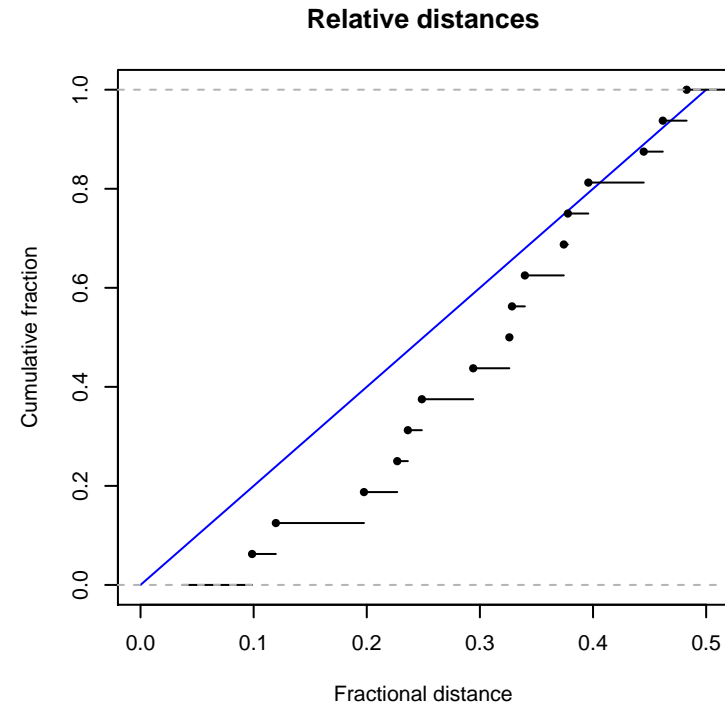
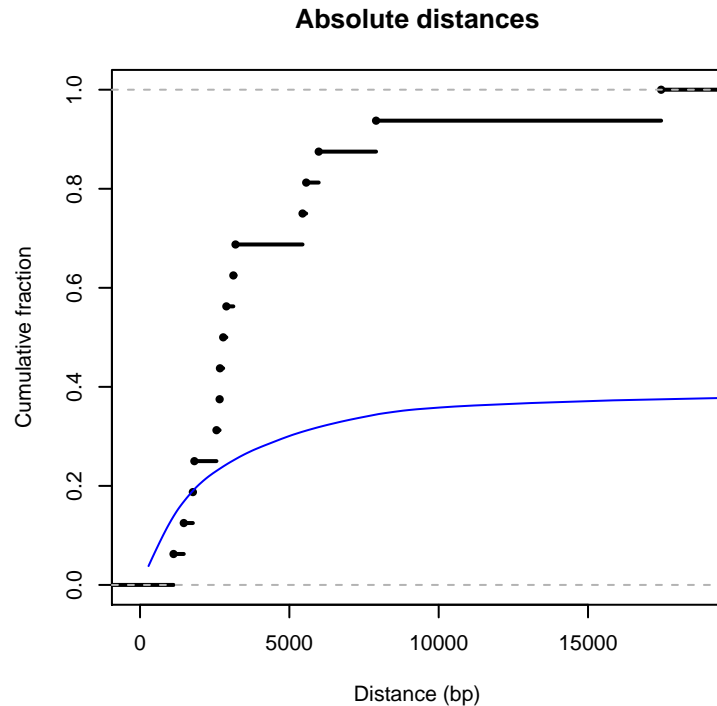
# pcontig\_032

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 : 0.57  
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 : 0.00635968  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



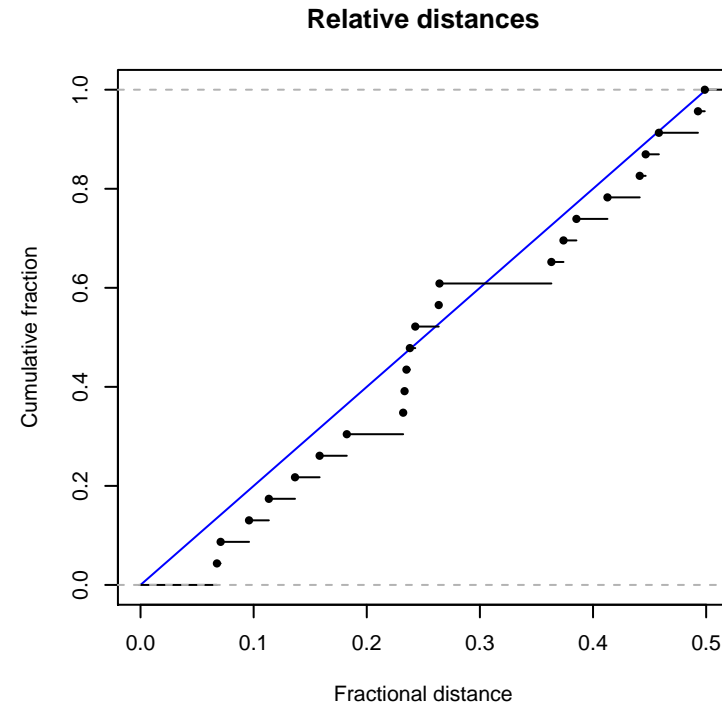
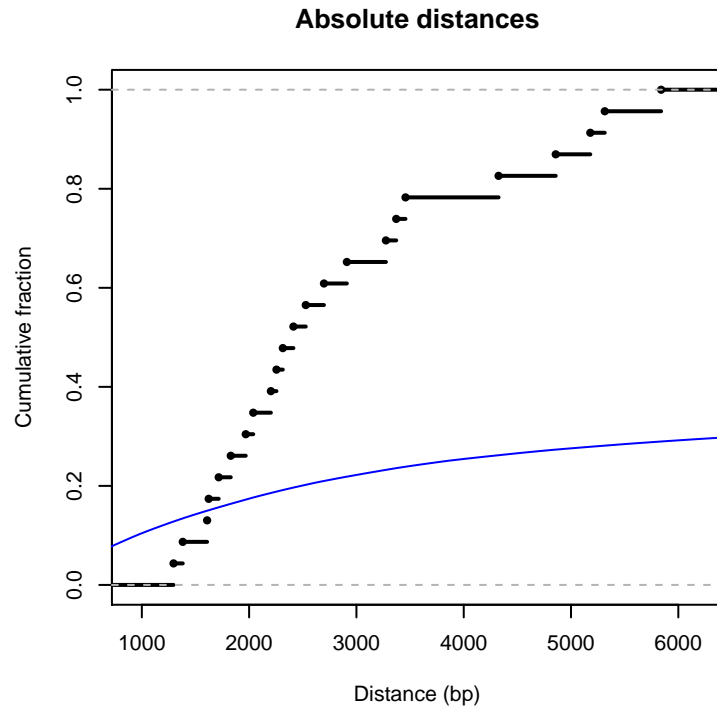
# pcontig\_033

Query population : 16  
Reference population : 205  
Relative Ks p-value : 0.160518  
Relative ecdf deviation area : 0.060213  
Relative ecdf area correlation : -0.238251  
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 : 0.04  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.210996  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



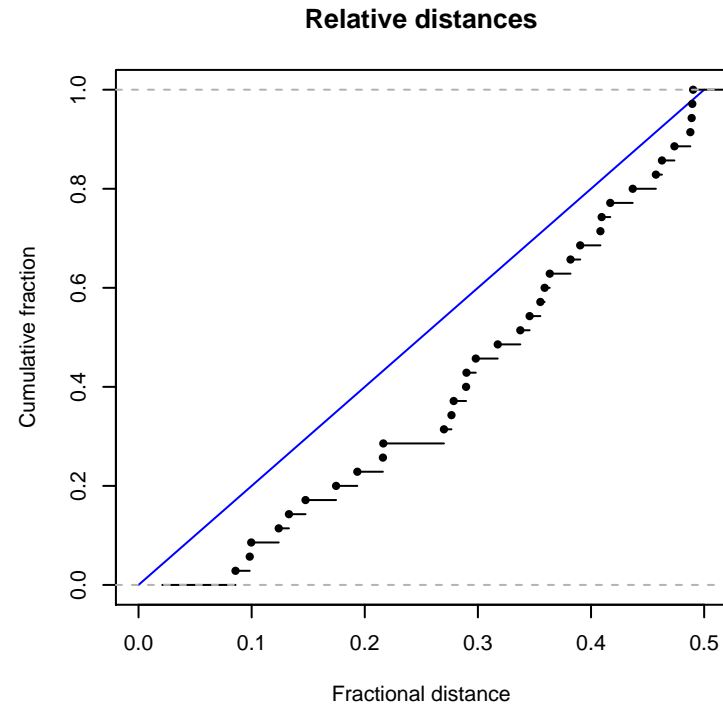
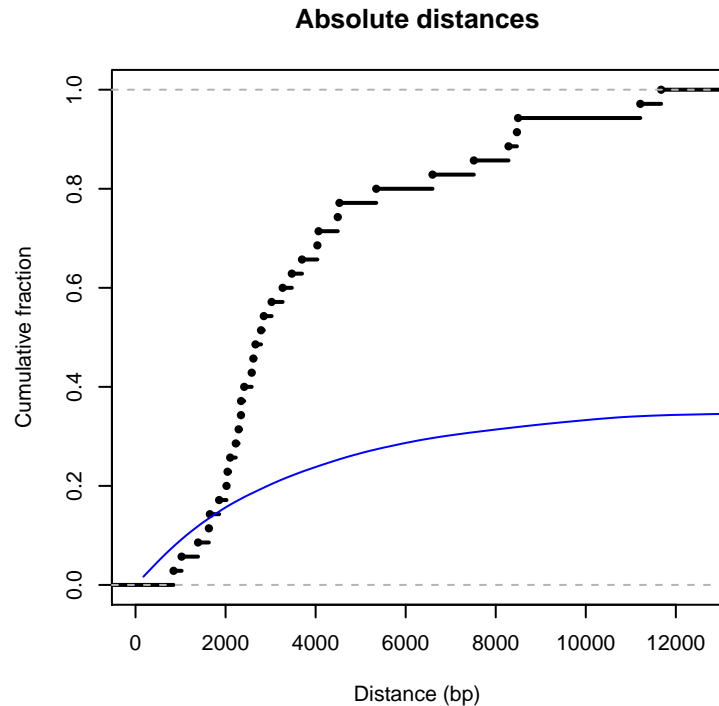
# pcontig\_034

Query population : 23  
Reference population : 172  
Relative Ks p-value : 0.545166  
Relative ecdf deviation area : 0.0320505  
Relative ecdf area correlation : -0.114276  
Relative ecdf deviation area p-value : 0.5  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.15669  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



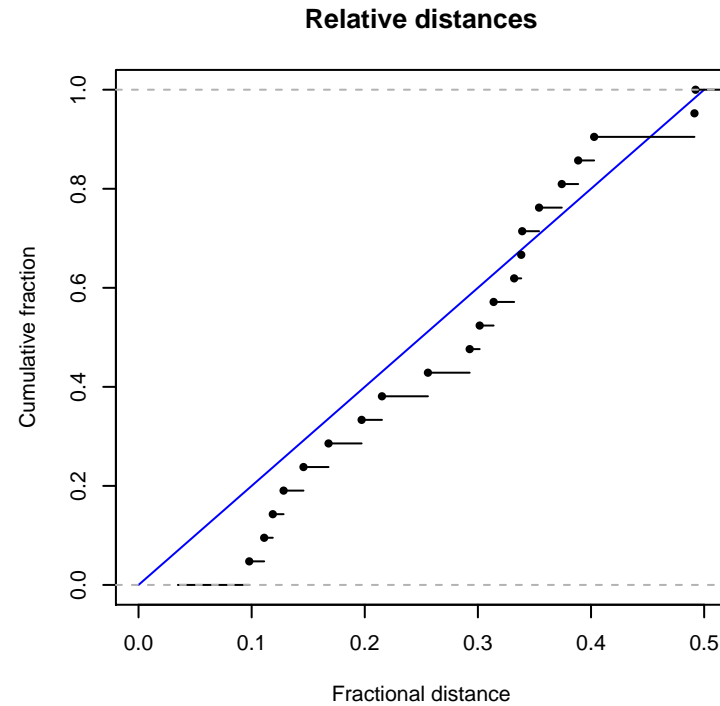
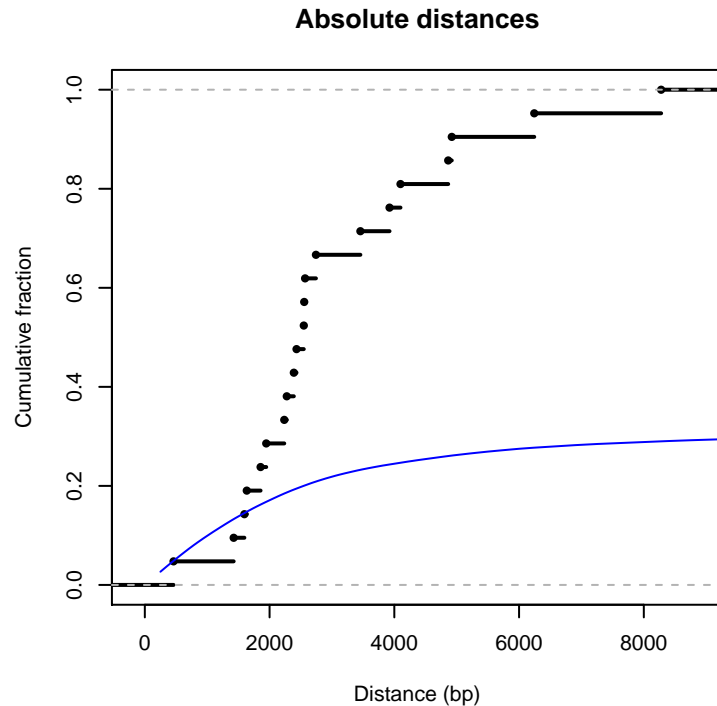
# pcontig\_035

Query population : 35  
Reference population : 146  
Relative Ks p-value : 0.0175787  
Relative ecdf deviation area : 0.0660345  
Relative ecdf area correlation : -0.264469  
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 : 0.069931  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_036

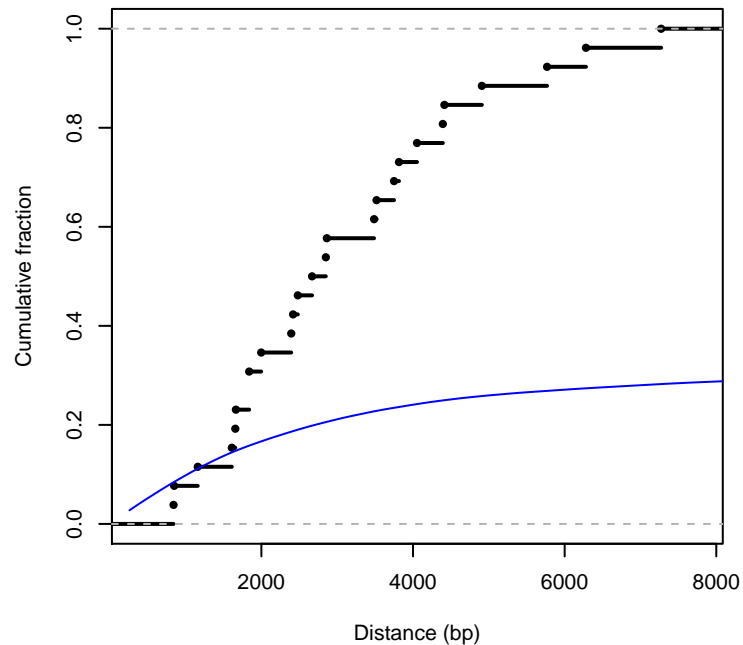
Query population : 21  
Reference population : 163  
Relative Ks p-value : 0.350295  
Relative ecdf deviation area : 0.0416047  
Relative ecdf area correlation : -0.116012  
Relative ecdf deviation area p-value : 0.26  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.05  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.181296  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



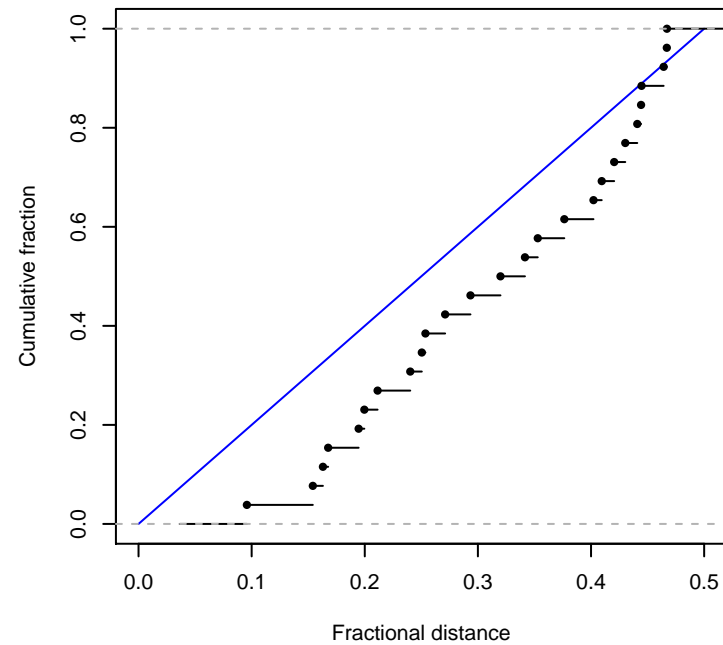
# pcontig\_037

Query population : 26  
Reference population : 162  
Relative Ks p-value : 0.0368025  
Relative ecdf deviation area : 0.0704187  
Relative ecdf area correlation : -0.273232  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.04  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.101075  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

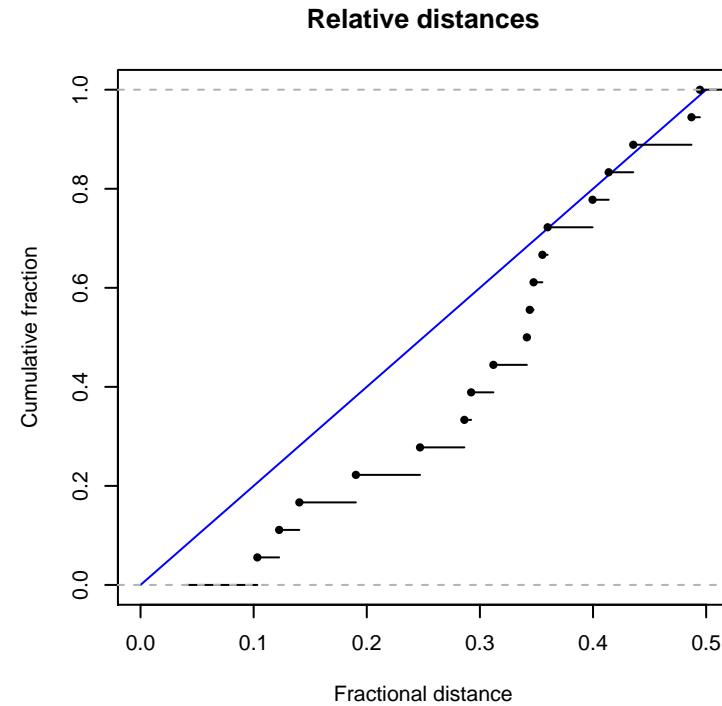
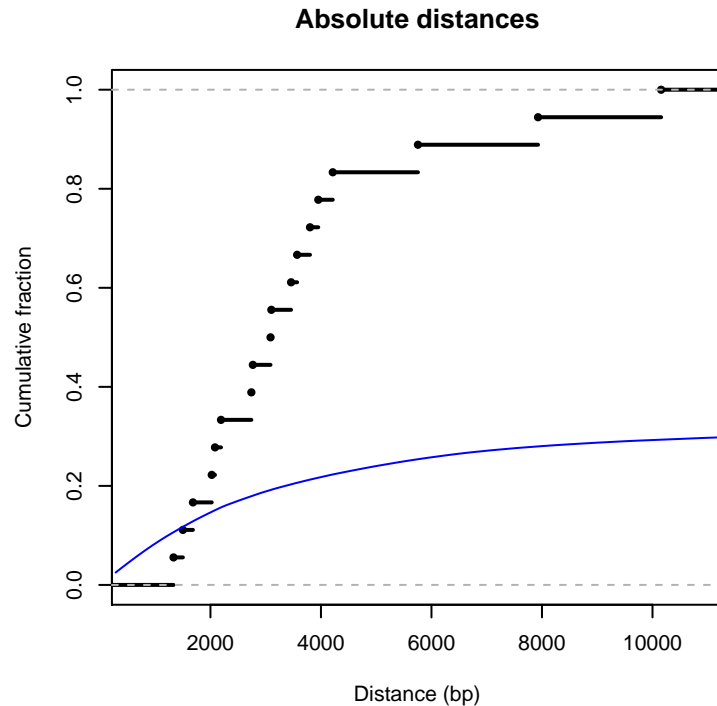


Relative distances



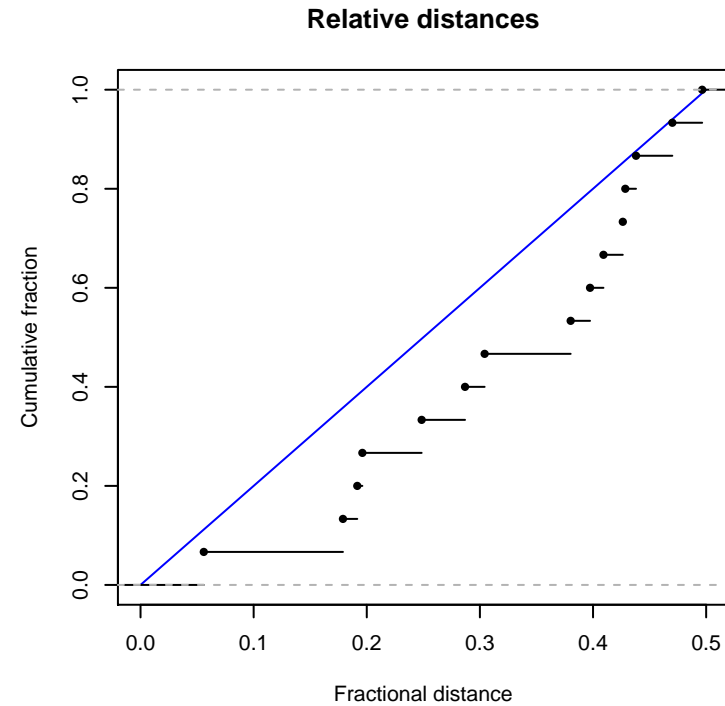
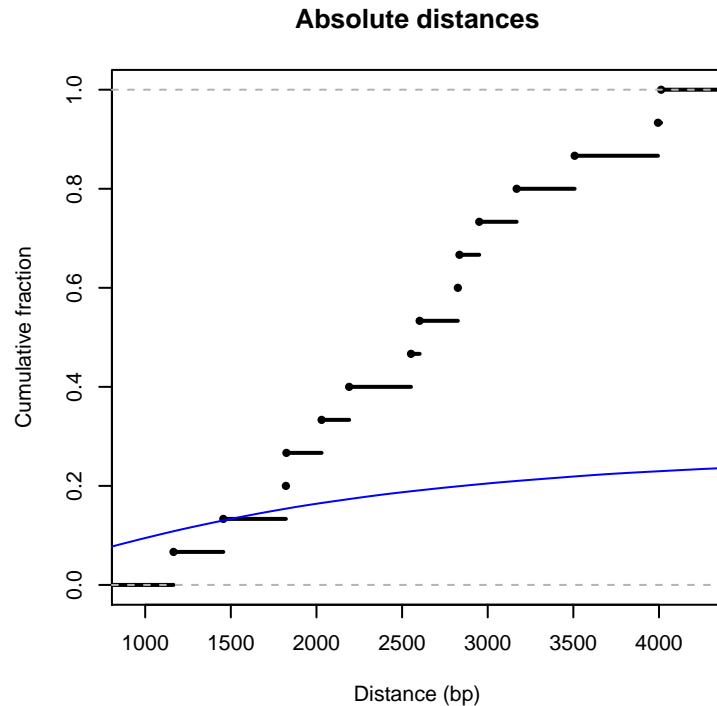
# pcontig\_039

Query population : 18  
Reference population : 135  
Relative Ks p-value : 0.0700924  
Relative ecdf deviation area : 0.0644735  
Relative ecdf area correlation : -0.260609  
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 : 0.06  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.190578  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_040

Query population : 15  
Reference population : 151  
Relative Ks p-value : 0.121424  
Relative ecdf deviation area : 0.0772584  
Relative ecdf area correlation : -0.308911  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.19  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.279151  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

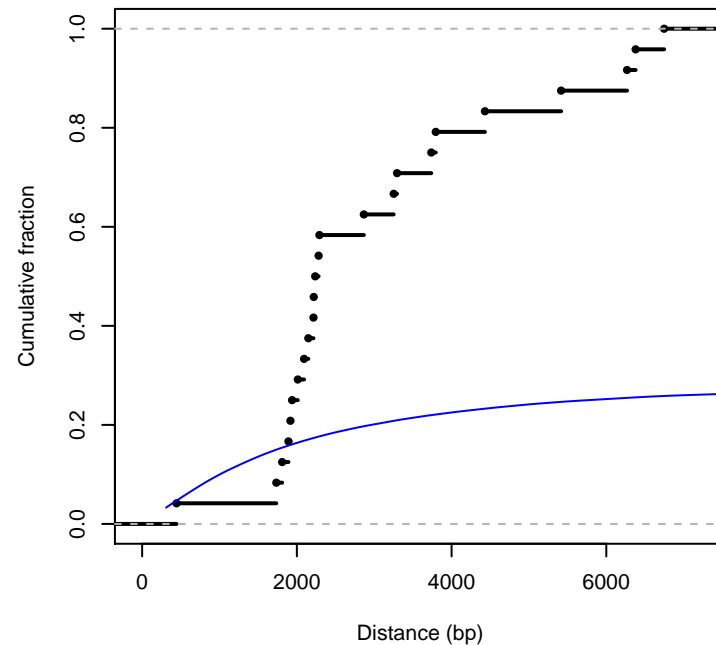




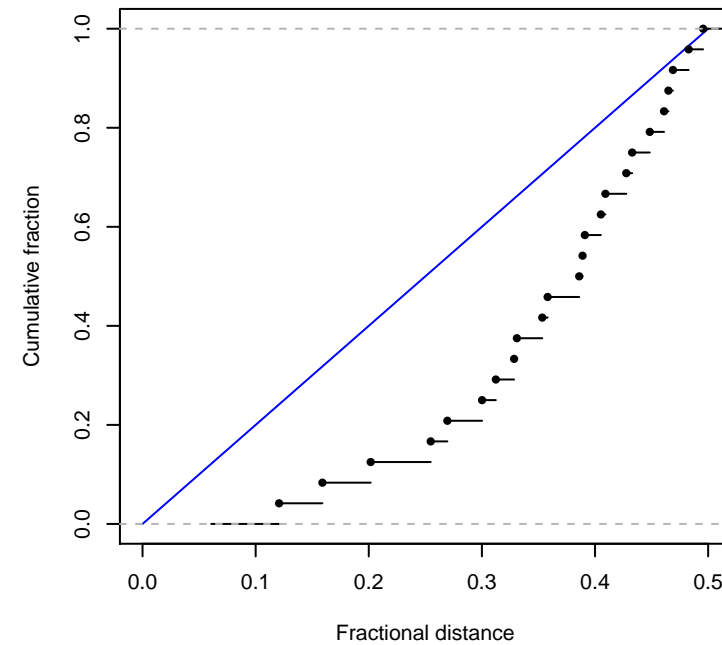
# pcontig\_041

Query population : 24  
Reference population : 163  
Relative Ks p-value : 0.00078235  
Relative ecdf deviation area : 0.111131  
Relative ecdf area correlation : -0.441865  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.127821  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

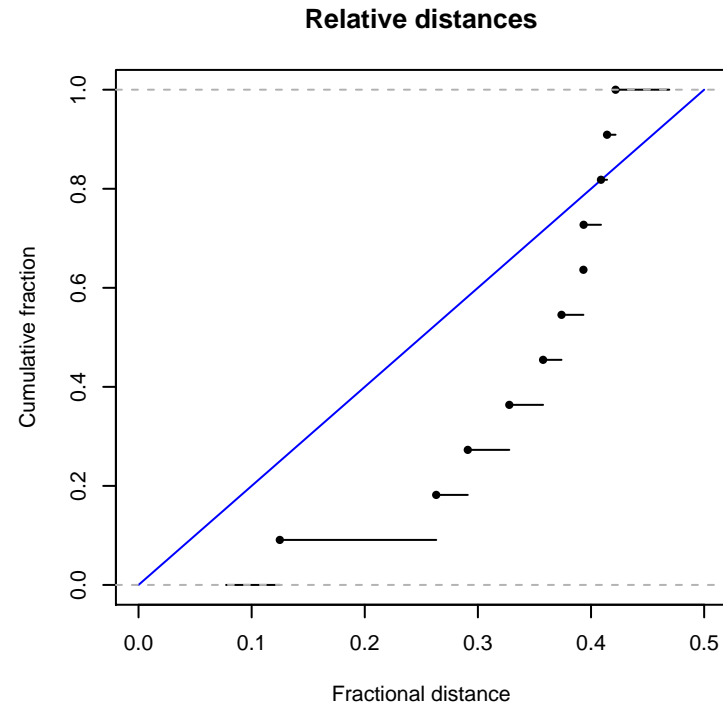
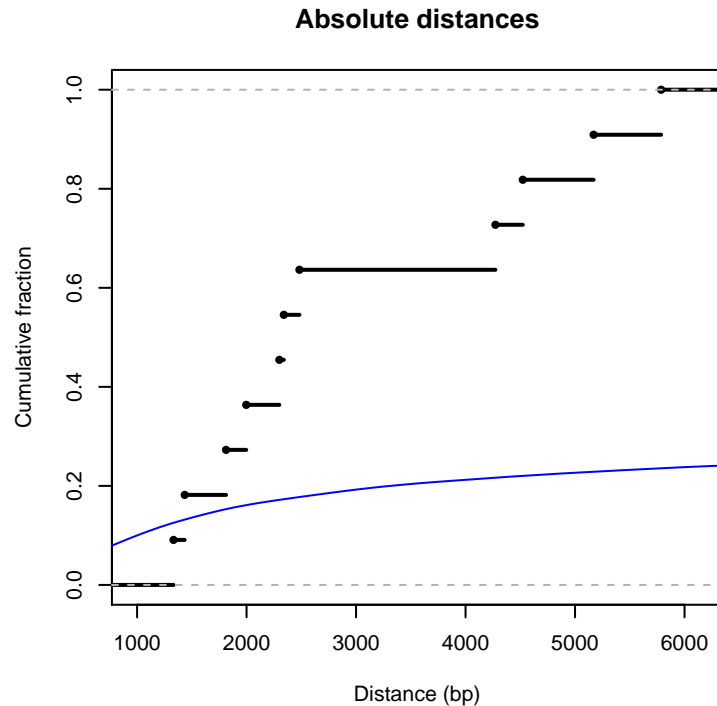


Relative distances



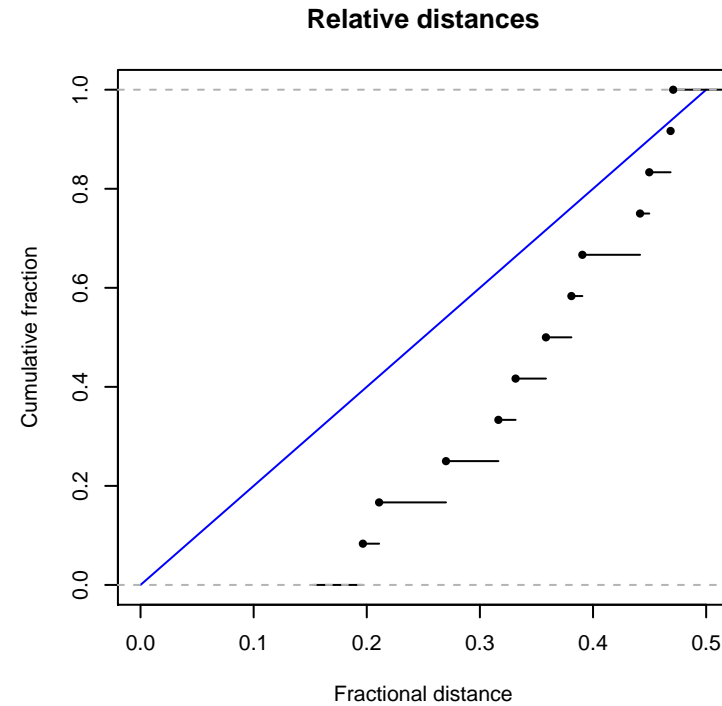
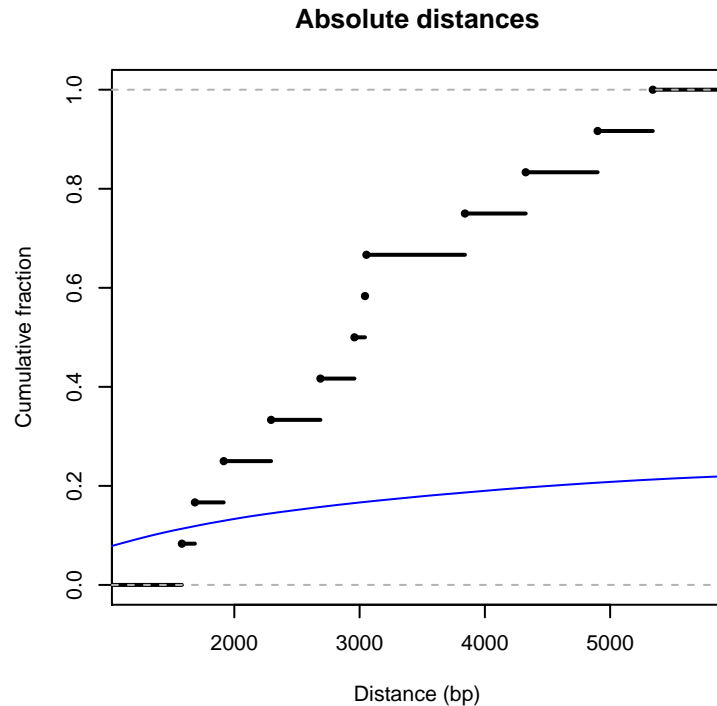
# pcontig\_042

Query population : 11  
Reference population : 164  
Relative Ks p-value : 0.0205636  
Relative ecdf deviation area : 0.10602  
Relative ecdf area correlation : -0.370821  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.14  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.39923  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_043

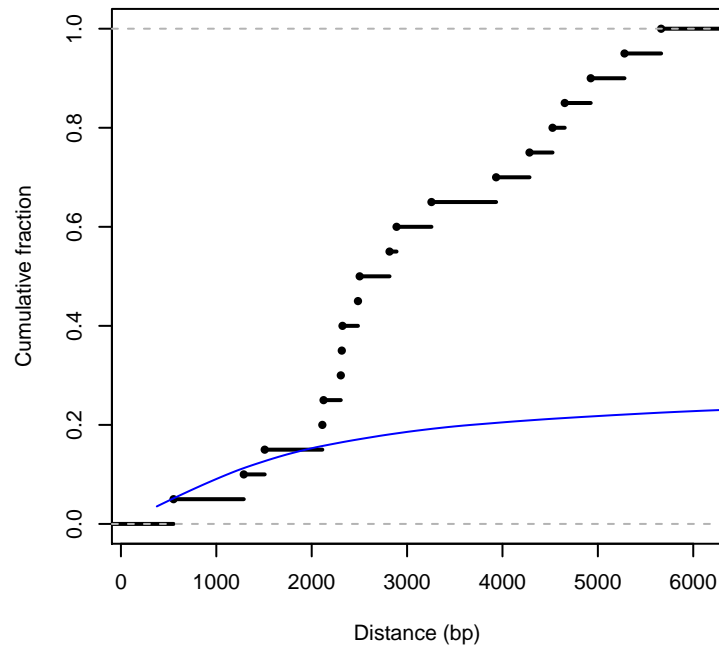
Query population : 12  
Reference population : 122  
Relative Ks p-value : 0.035008  
Relative ecdf deviation area : 0.108377  
Relative ecdf area correlation : -0.428656  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.22  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.460128  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



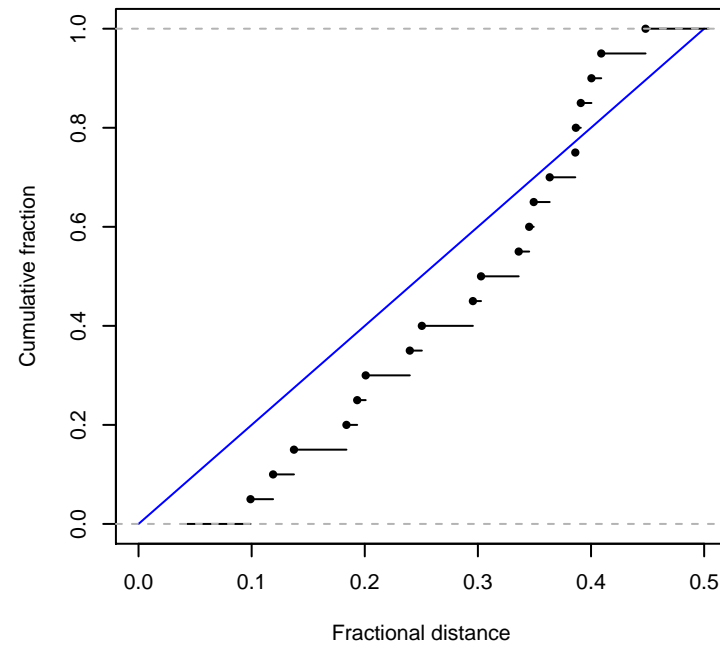
# pcontig\_044

Query population : 20  
Reference population : 144  
Relative Ks p-value : 0.259884  
Relative ecdf deviation area : 0.0574746  
Relative ecdf area correlation : -0.167477  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.13  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.196048  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

Absolute distances

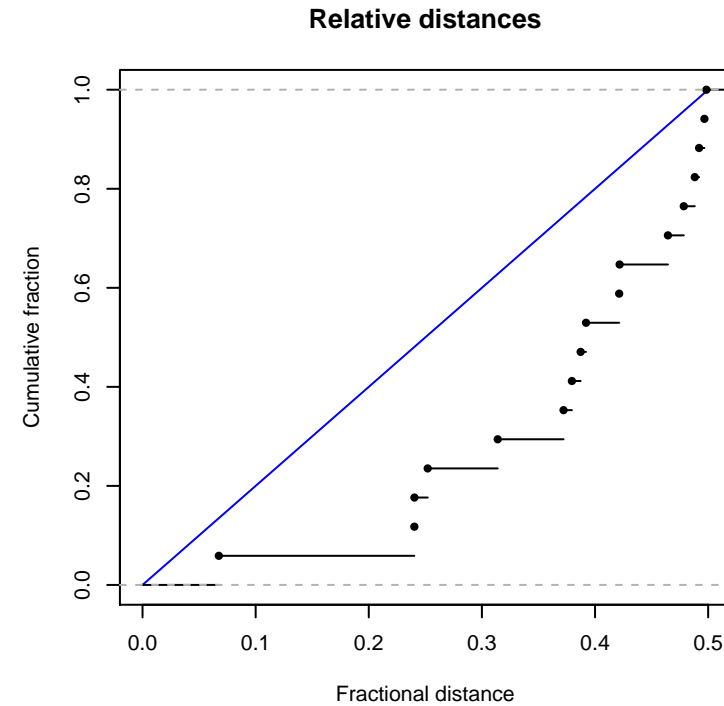
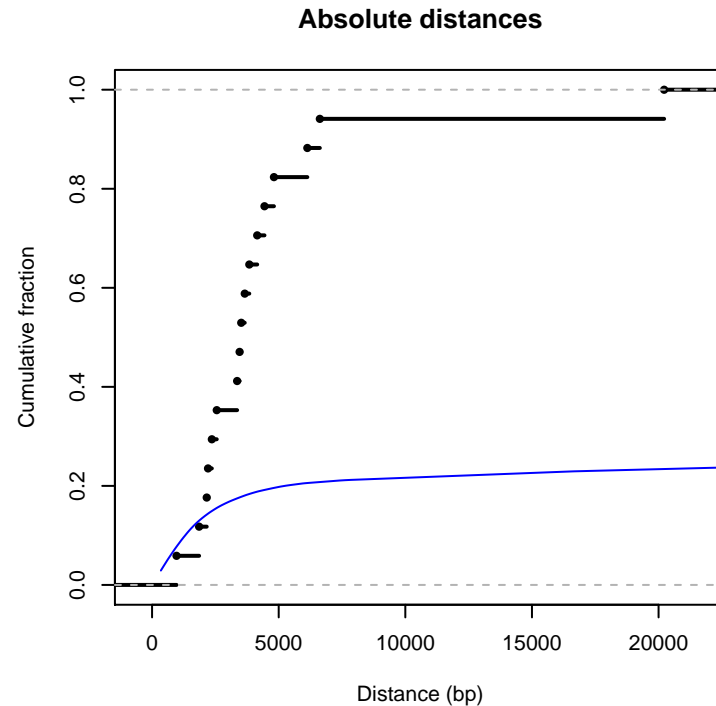


Relative distances



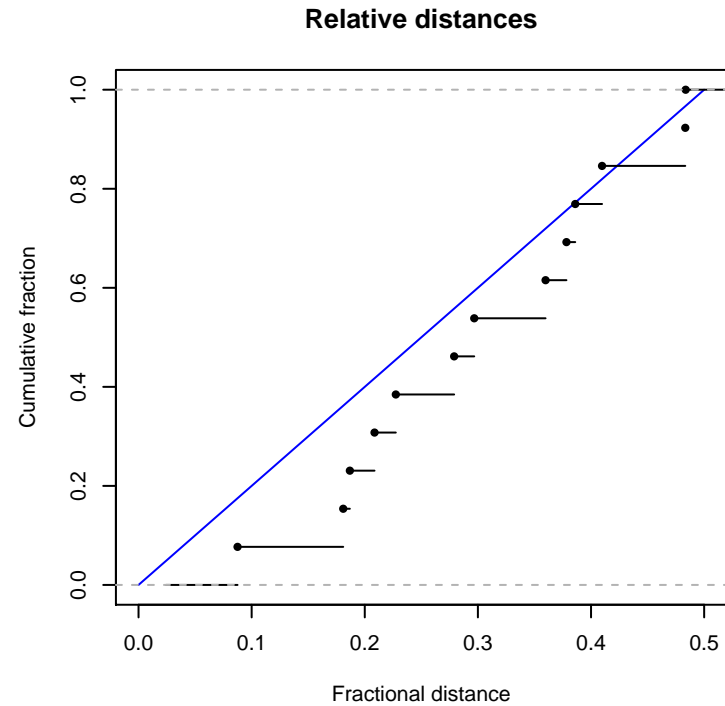
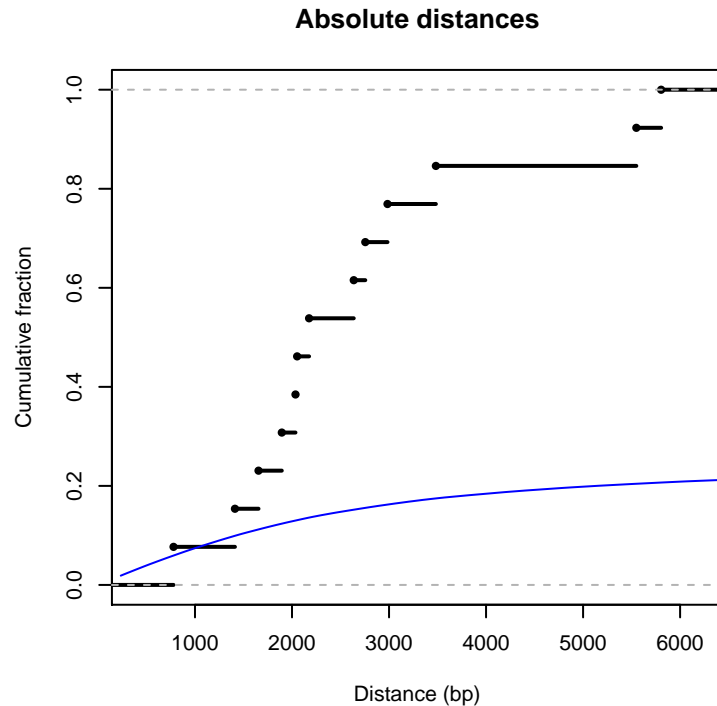
# pcontig\_045

Query population : 17  
Reference population : 128  
Relative Ks p-value : 0.00115362  
Relative ecdf deviation area : 0.126385  
Relative ecdf area correlation : -0.507395  
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 : 0.285434  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



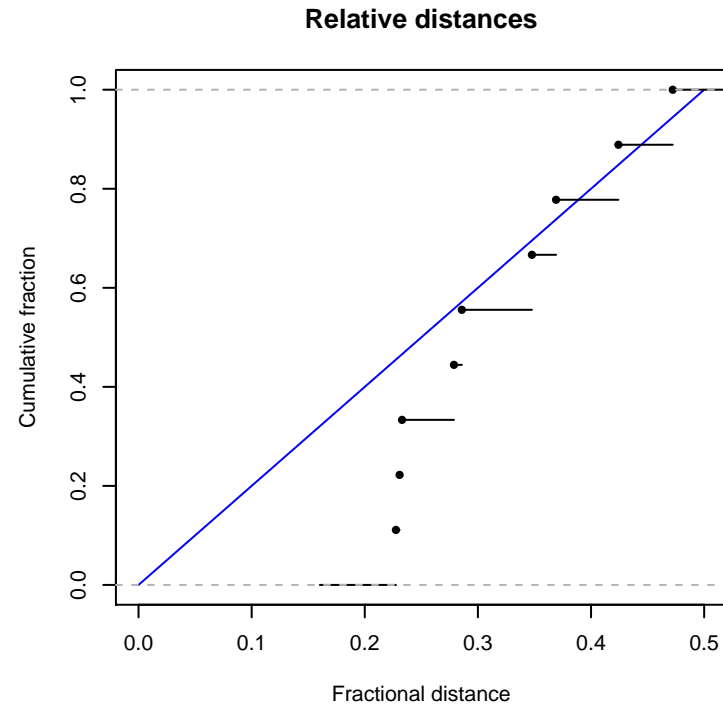
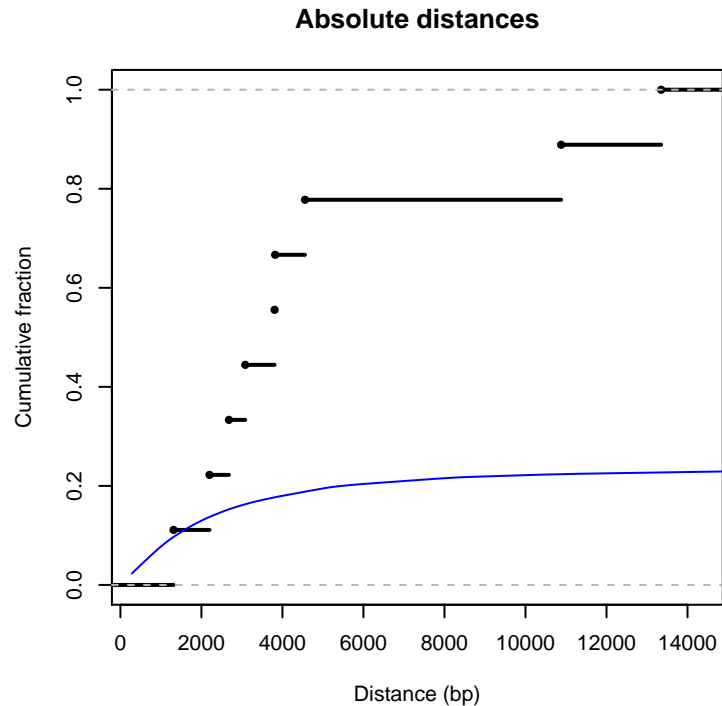
# pcontig\_046

Query population : 13  
Reference population : 122  
Relative Ks p-value : 0.199062  
Relative ecdf deviation area : 0.0560879  
Relative ecdf area correlation : -0.220917  
Relative ecdf deviation area p-value : 0.25  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.25  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.45568  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



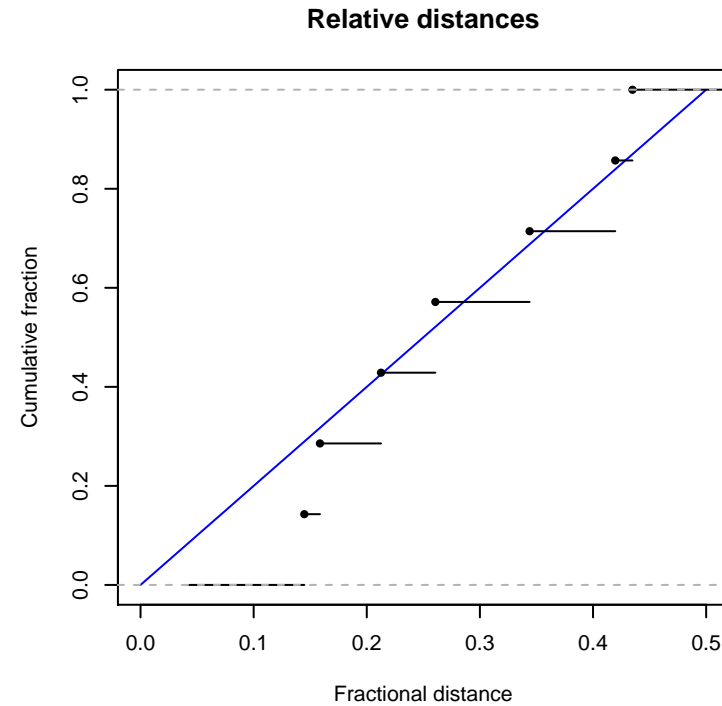
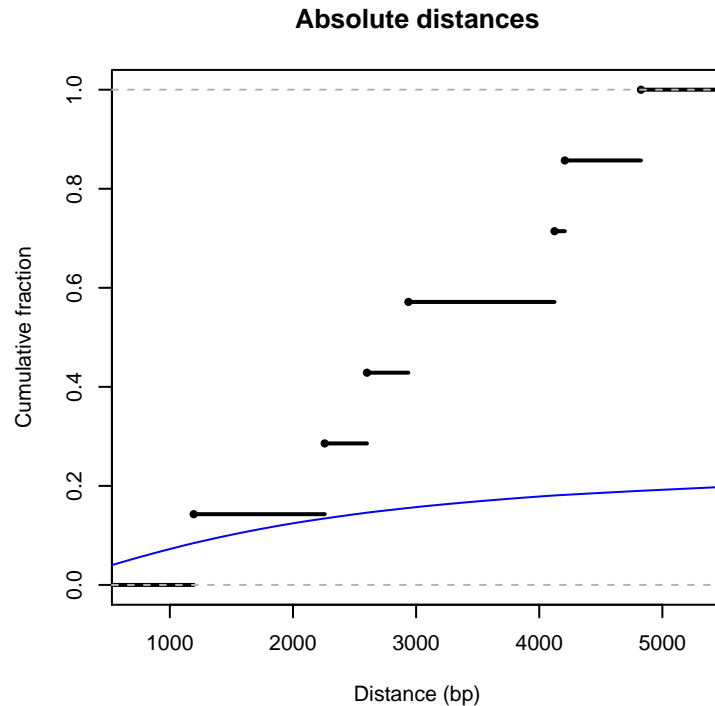
# pcontig\_047

Query population : 9  
Reference population : 124  
Relative Ks p-value : 0.0319699  
Relative ecdf deviation area : 0.0713978  
Relative ecdf area correlation : -0.275198  
Relative ecdf deviation area p-value : 0.14  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.36  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.486549  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_048

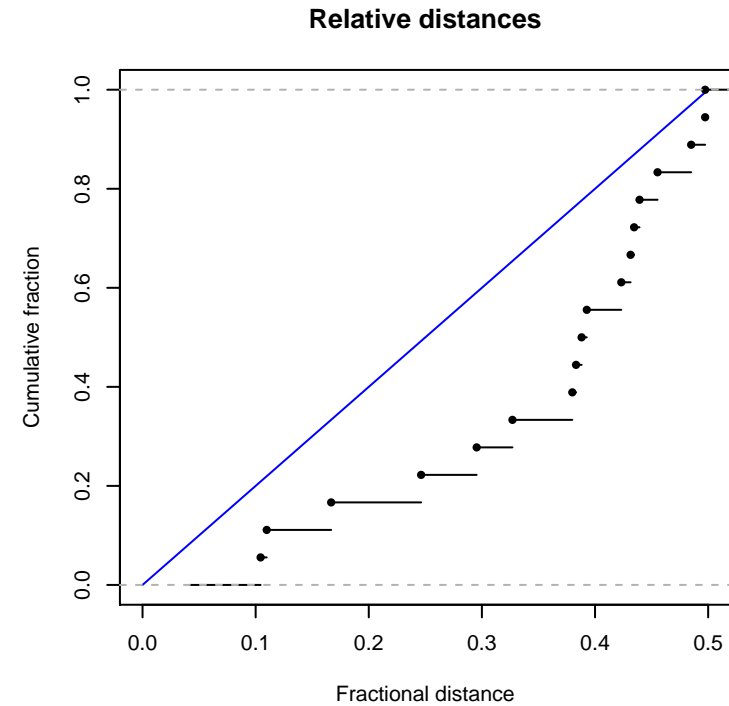
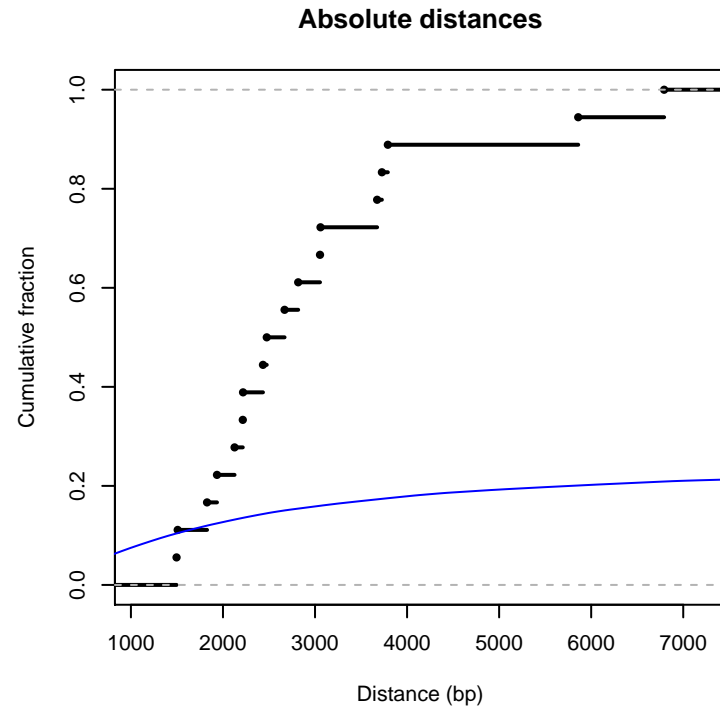
Query population : 7  
Reference population : 118  
Relative Ks p-value : 0.509342  
Relative ecdf deviation area : 0.042485  
Relative ecdf area correlation : -0.128612  
Relative ecdf deviation area p-value : 0.78  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.48  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.342624  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





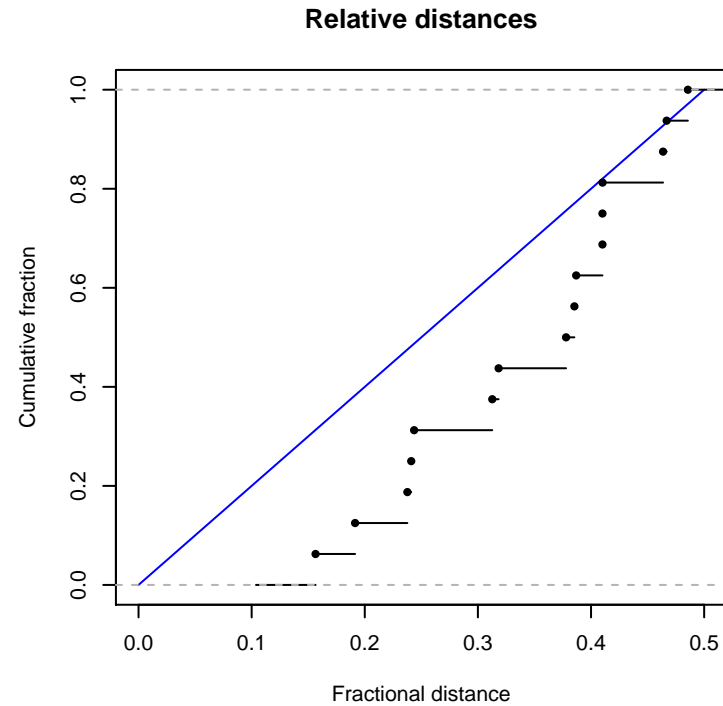
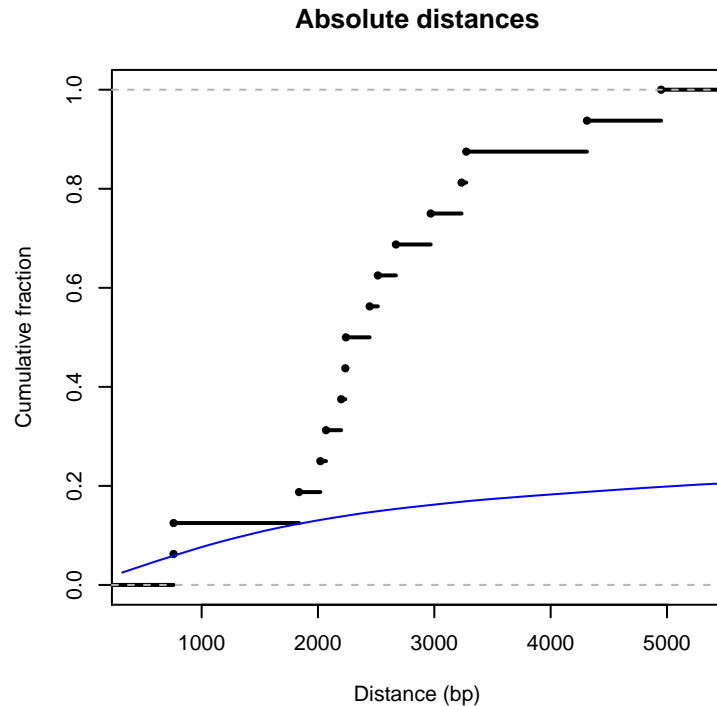
# pcontig\_049

Query population : 18  
Reference population : 121  
Relative Ks p-value : 0.00173103  
Relative ecdf deviation area : 0.109032  
Relative ecdf area correlation : -0.434908  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.12  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.233018  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



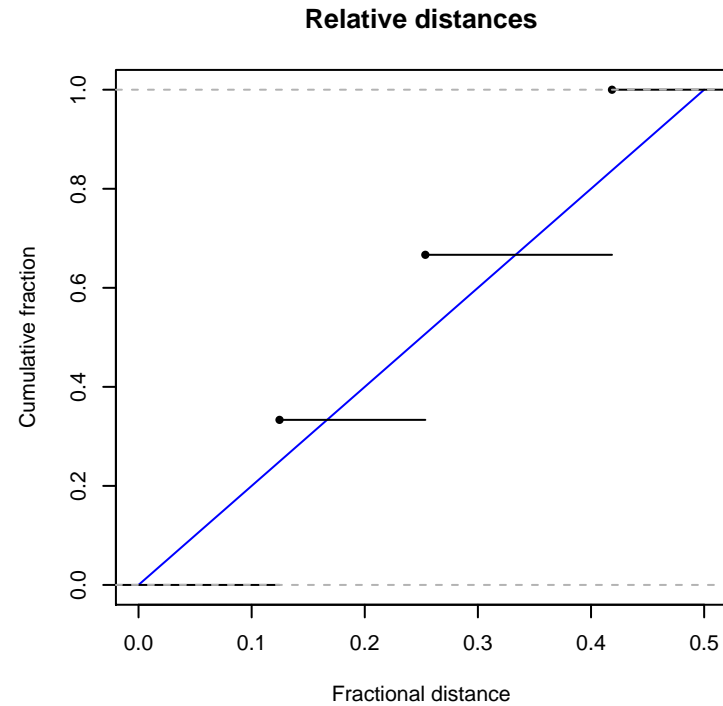
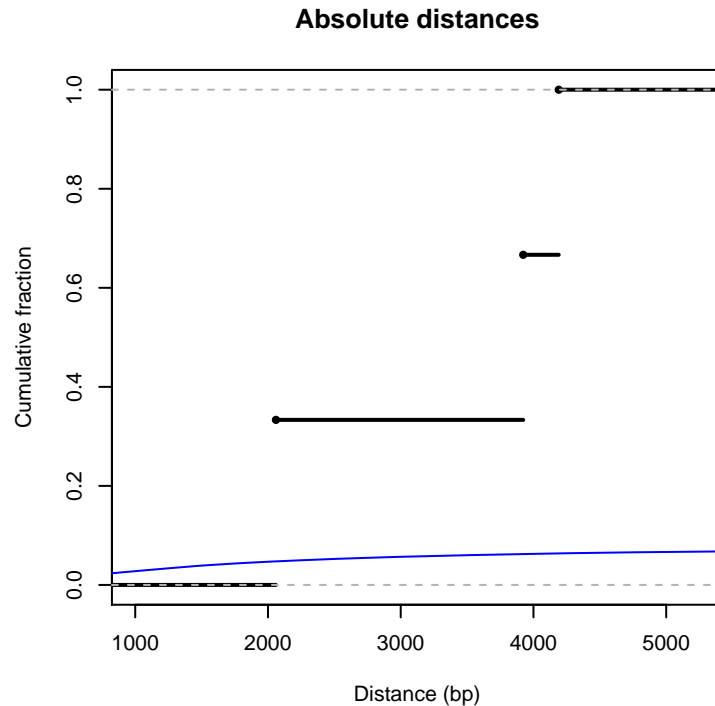
# pcontig\_050

Query population : 16  
Reference population : 121  
Relative Ks p-value : 0.0292655  
Relative ecdf deviation area : 0.0939188  
Relative ecdf area correlation : -0.374488  
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 : 0.333544  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



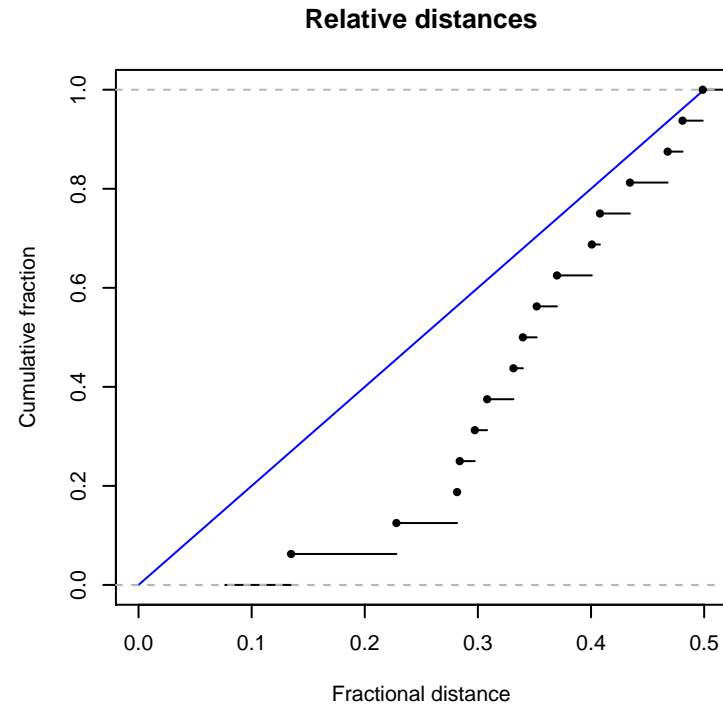
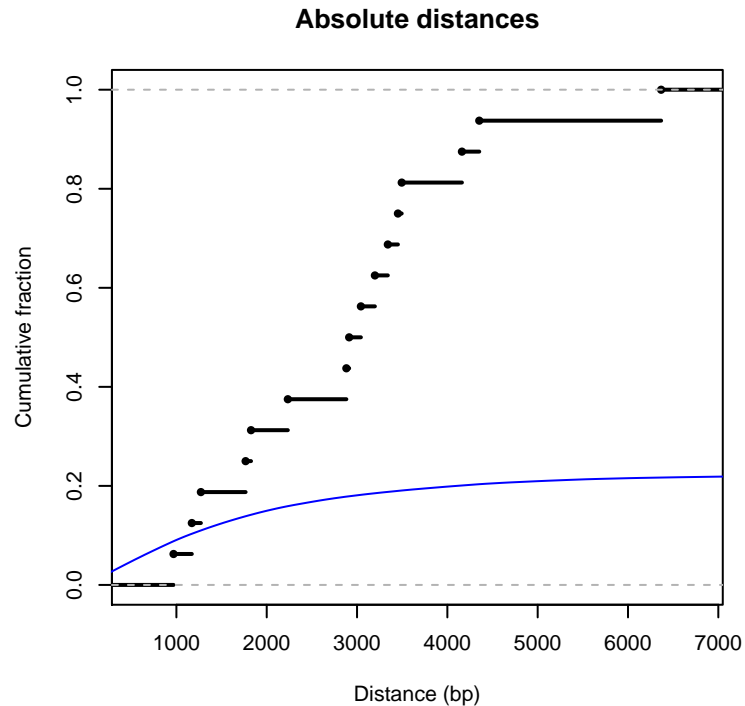
# pcontig\_051

Query population : 3  
Reference population : 45  
Relative Ks p-value : 0.972964  
Relative ecdf deviation area : 0.0450978  
Relative ecdf area correlation : -0.0622463  
Relative ecdf deviation area p-value : 0.98  
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 : 0.0621608  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



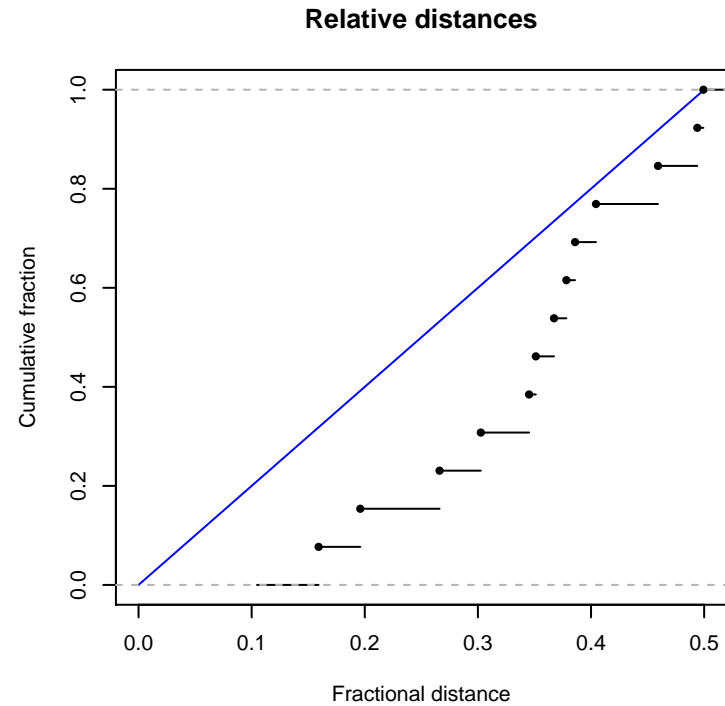
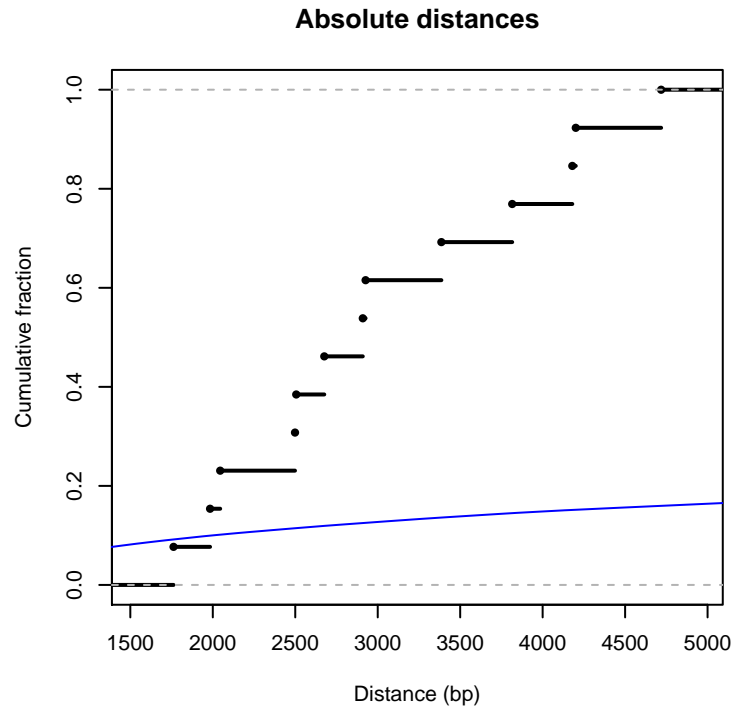
# pcontig\_052

Query population : 16  
Reference population : 146  
Relative Ks p-value : 0.00259266  
Relative ecdf deviation area : 0.100774  
Relative ecdf area correlation : -0.404283  
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 : 0.268593  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



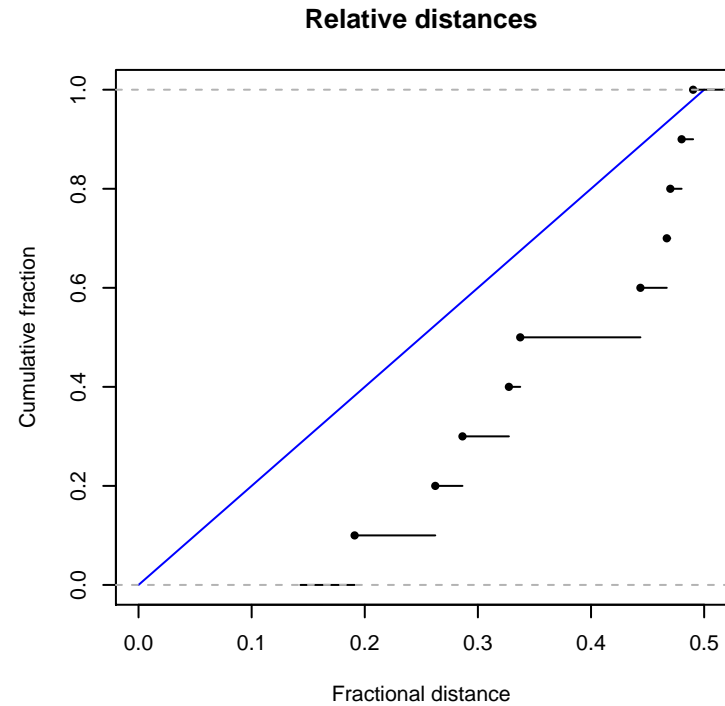
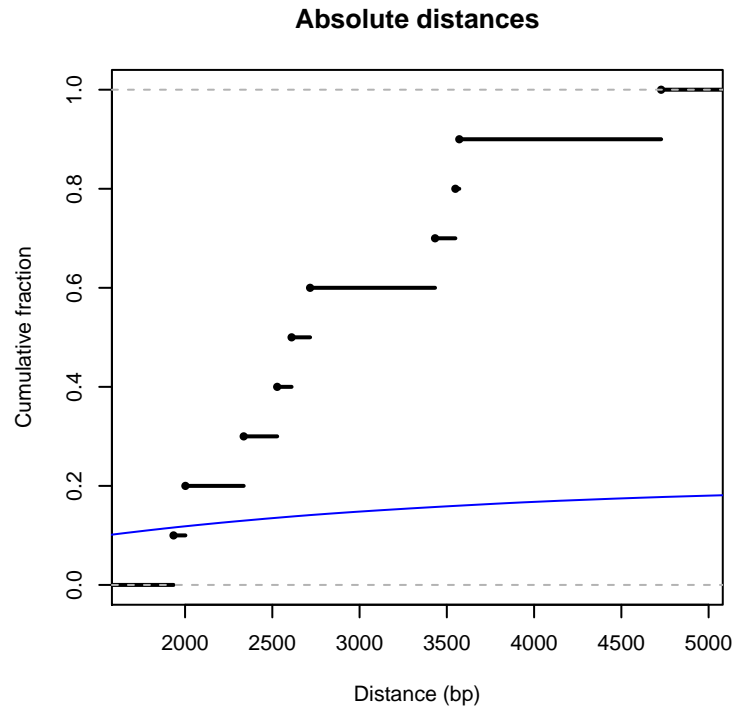
# pcontig\_054

Query population : 13  
Reference population : 95  
Relative Ks p-value : 0.0319283  
Relative ecdf deviation area : 0.104274  
Relative ecdf area correlation : -0.418035  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.47  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.465265  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



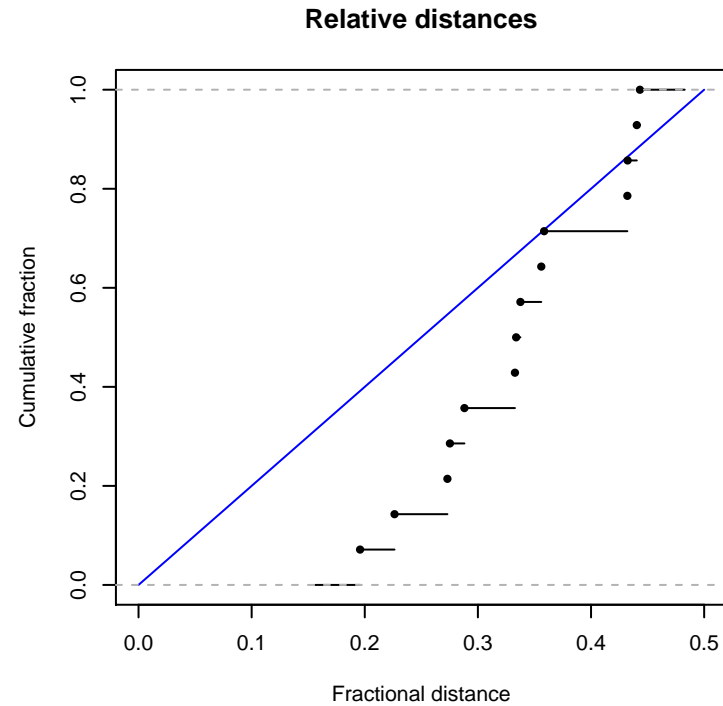
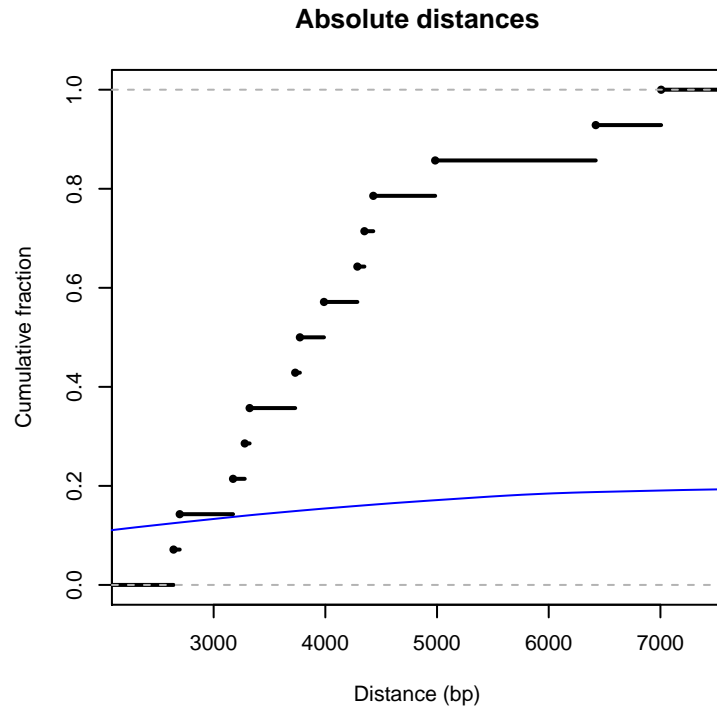
# pcontig\_055

Query population : 10  
Reference population : 118  
Relative Ks p-value : 0.0376112  
Relative ecdf deviation area : 0.125931  
Relative ecdf area correlation : -0.502244  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.38  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.48189  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



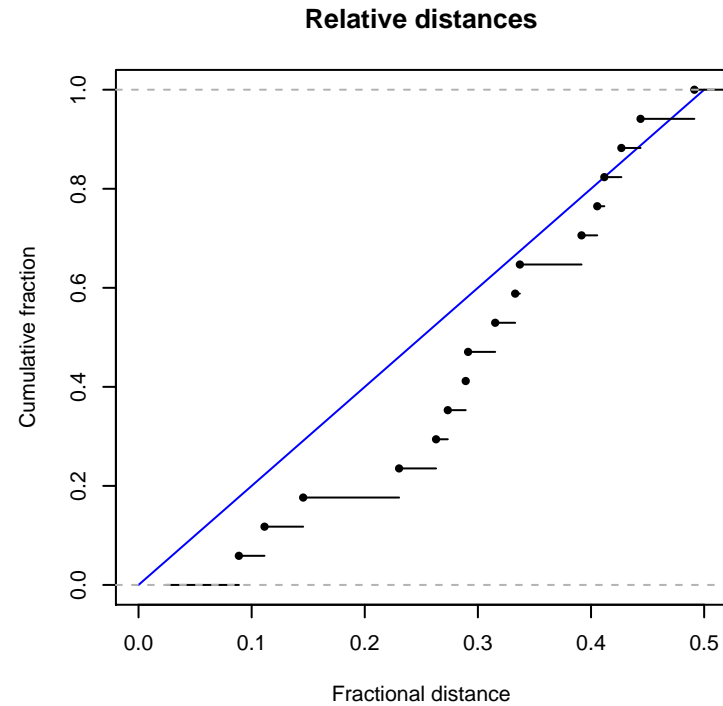
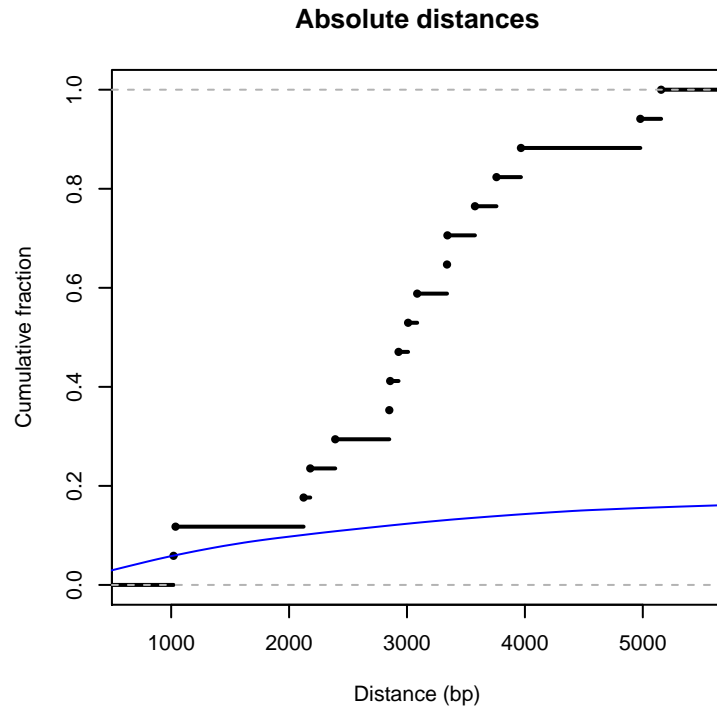
# pcontig\_056

Query population : 14  
Reference population : 103  
Relative Ks p-value : 0.0143968  
Relative ecdf deviation area : 0.0943445  
Relative ecdf area correlation : -0.350103  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.26  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.423751  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_057

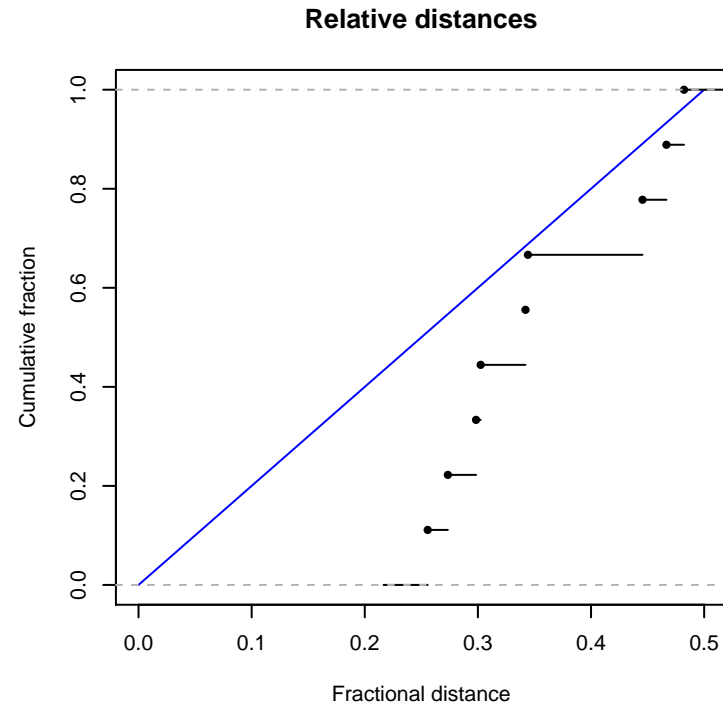
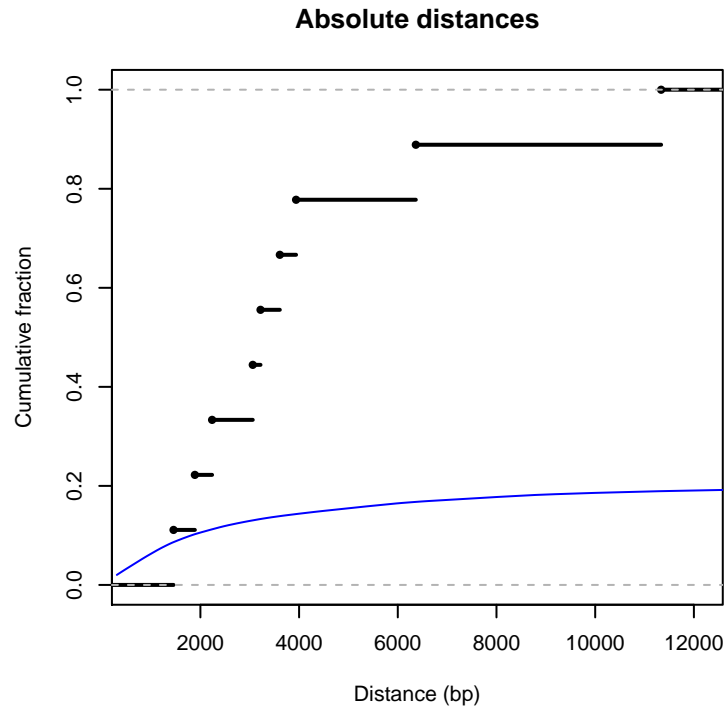
Query population : 17  
Reference population : 92  
Relative Ks p-value : 0.0910405  
Relative ecdf deviation area : 0.060593  
Relative ecdf area correlation : -0.235087  
Relative ecdf deviation area p-value : 0.08  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.19  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.395663  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





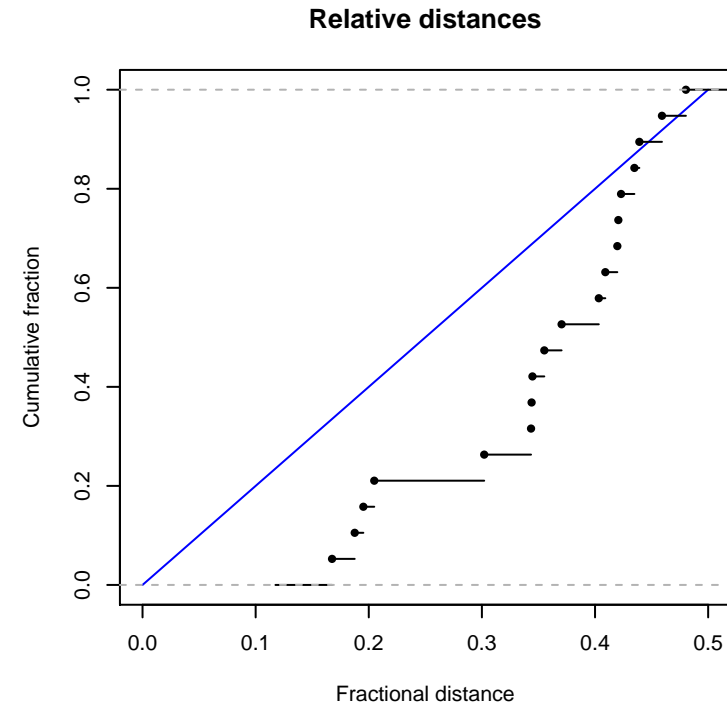
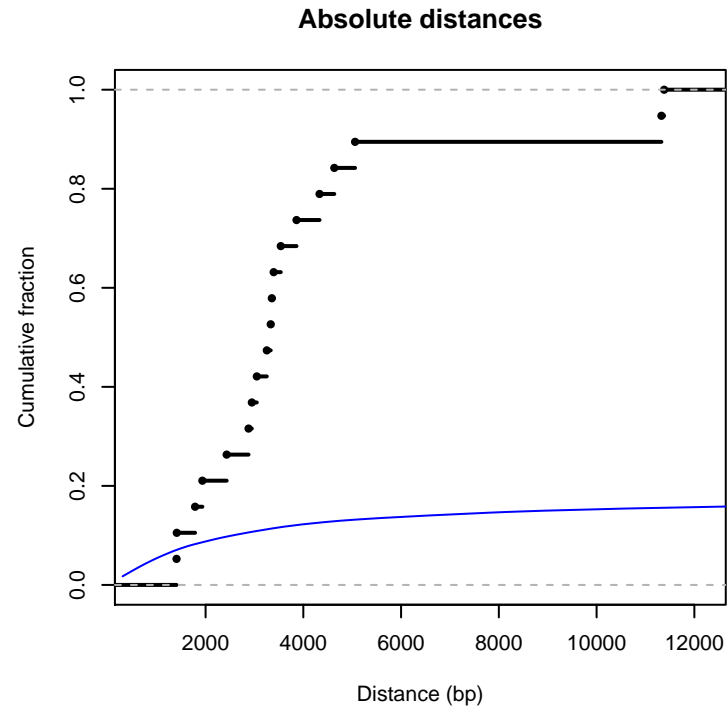
# pcontig\_058

Query population : 9  
Reference population : 101  
Relative Ks p-value : 0.0104607  
Relative ecdf deviation area : 0.107147  
Relative ecdf area correlation : -0.426889  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.47  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.384361  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



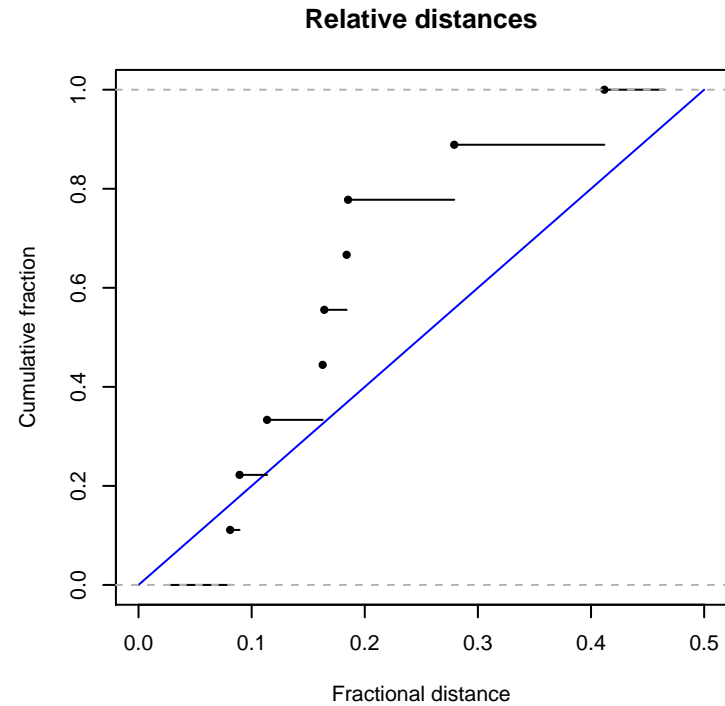
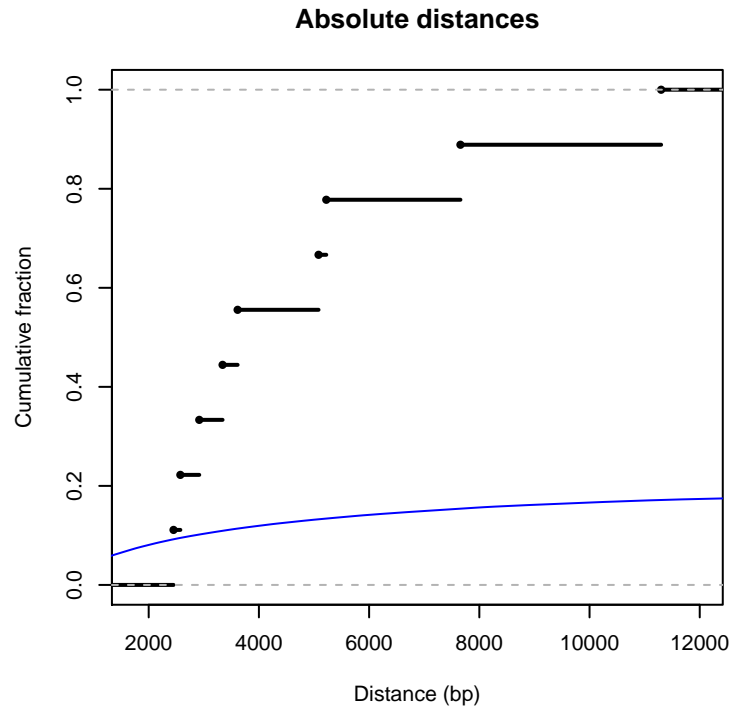
# pcontig\_059

Query population : 19  
Reference population : 88  
Relative Ks p-value : 0.00130828  
Relative ecdf deviation area : 0.103858  
Relative ecdf area correlation : -0.411415  
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 : 0.3  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.359938  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



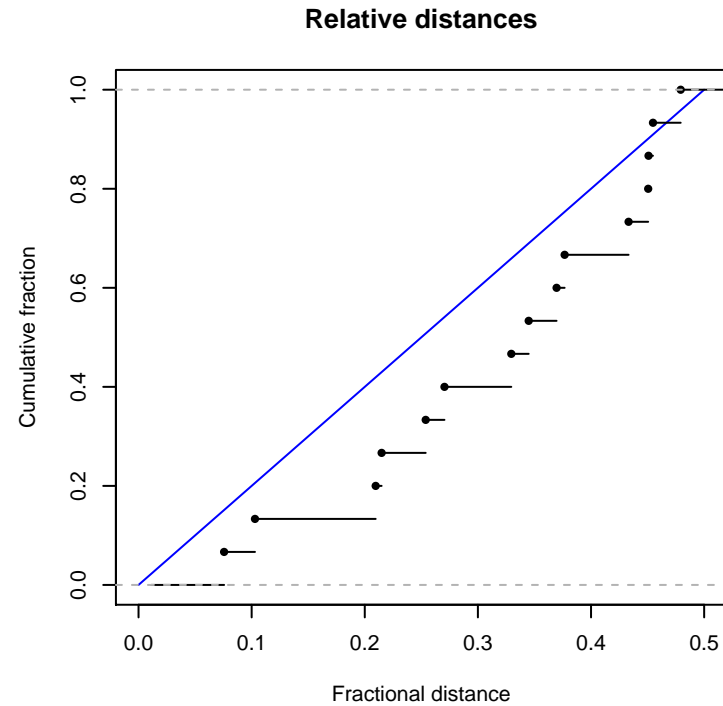
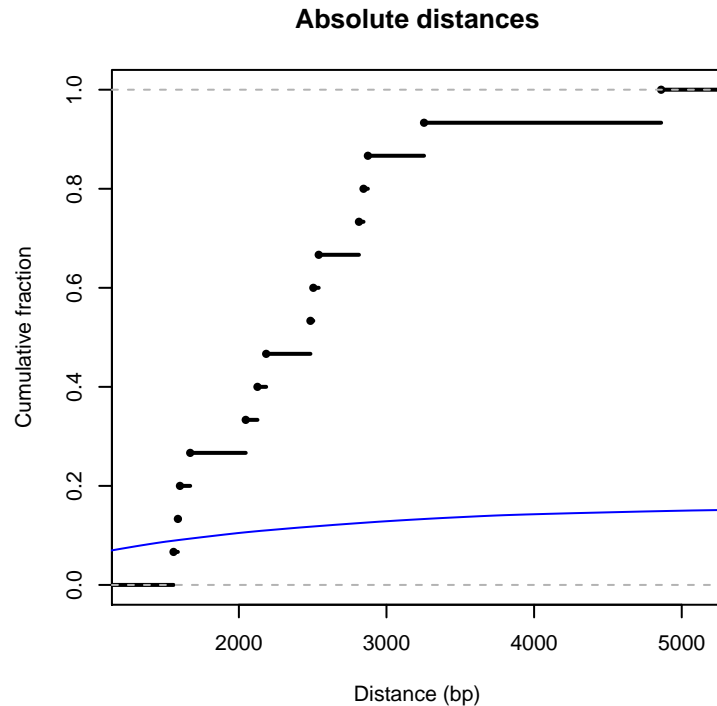
# pcontig\_060

Query population : 9  
Reference population : 72  
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 : 0.46  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.357957  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



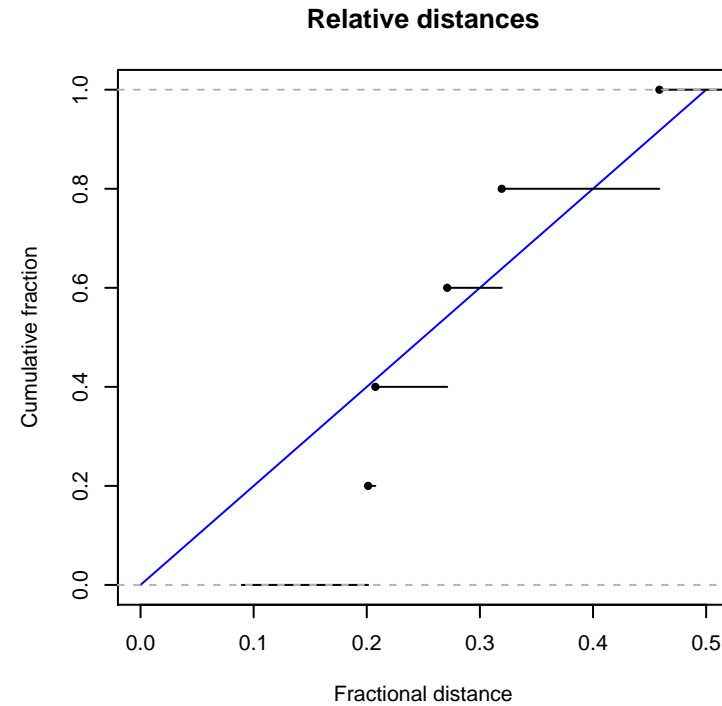
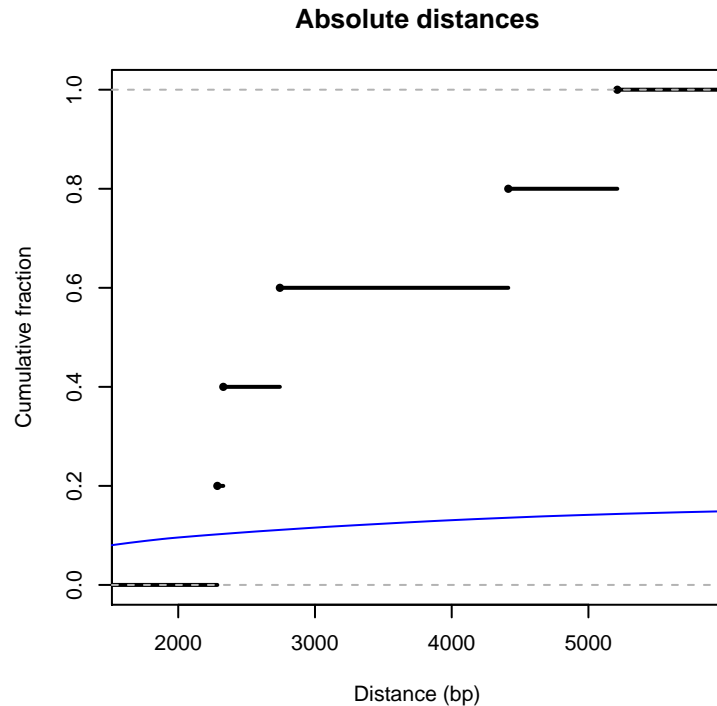
# pcontig\_062

Query population : 15  
Reference population : 97  
Relative Ks p-value : 0.140506  
Relative ecdf deviation area : 0.0717322  
Relative ecdf area correlation : -0.284445  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.25  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.418536  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



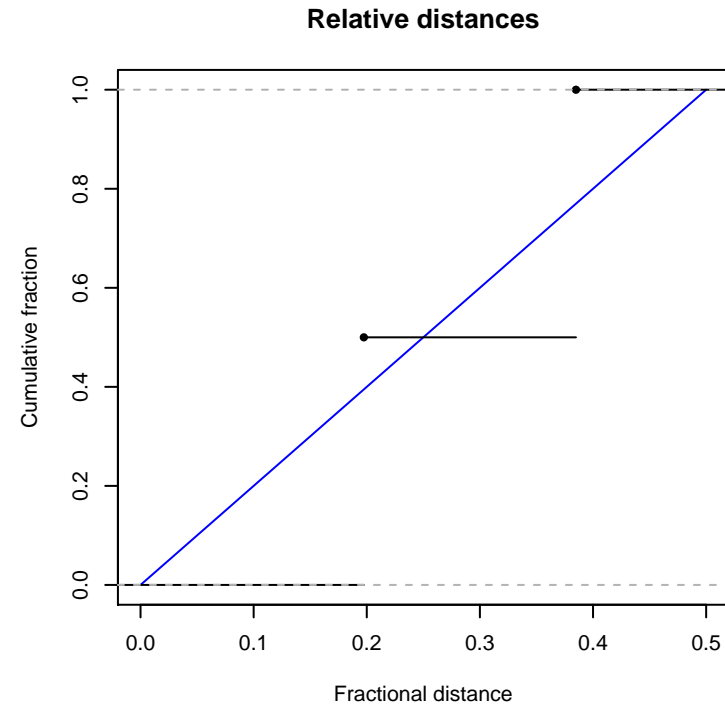
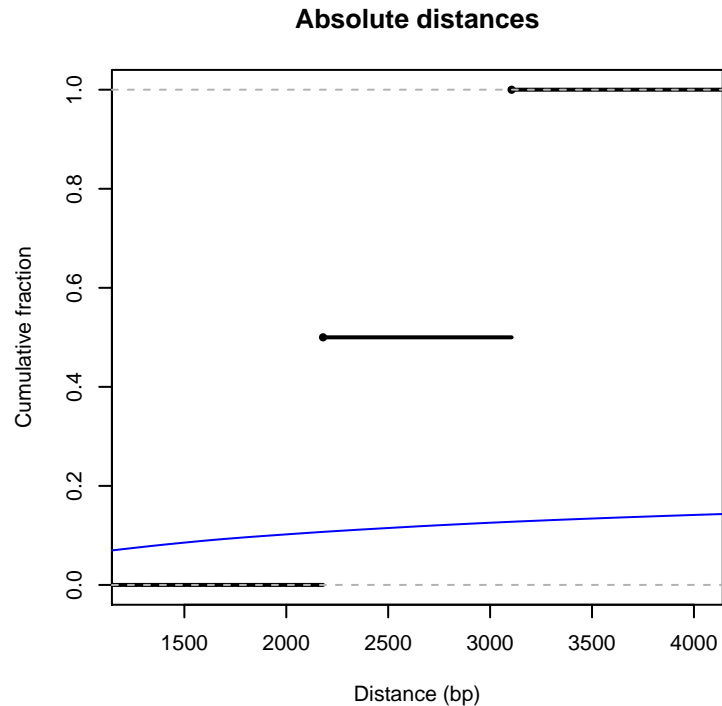
# pcontig\_064

Query population : 5  
Reference population : 92  
Relative Ks p-value : 0.302555  
Relative ecdf deviation area : 0.0598692  
Relative ecdf area correlation : -0.166276  
Relative ecdf deviation area p-value : 0.55  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.4  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.211159  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_065

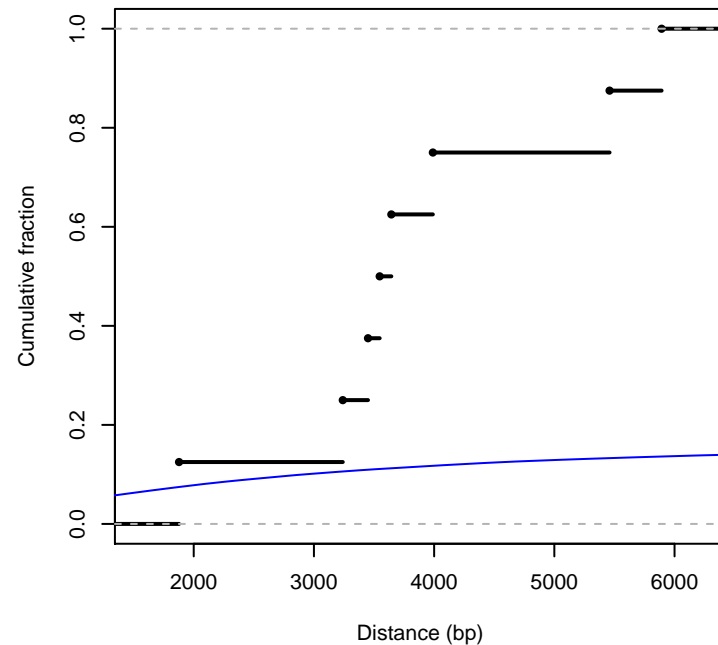
Query population : 2  
Reference population : 101  
Relative Ks p-value : 0.832214  
Relative ecdf deviation area : 0.0726753  
Relative ecdf area correlation : -0.164653  
Relative ecdf deviation area p-value : 0.89  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.21  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.10105  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



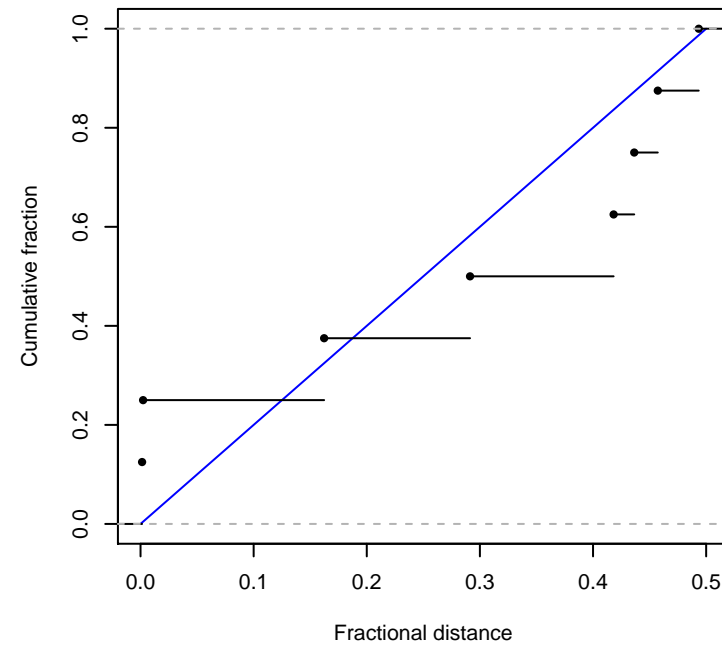
# pcontig\_066

Query population : 8  
Reference population : 73  
Relative Ks p-value : 0.260675  
Relative ecdf deviation area : 0.0646222  
Relative ecdf area correlation : -0.131288  
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 : 0.38  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.243663  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

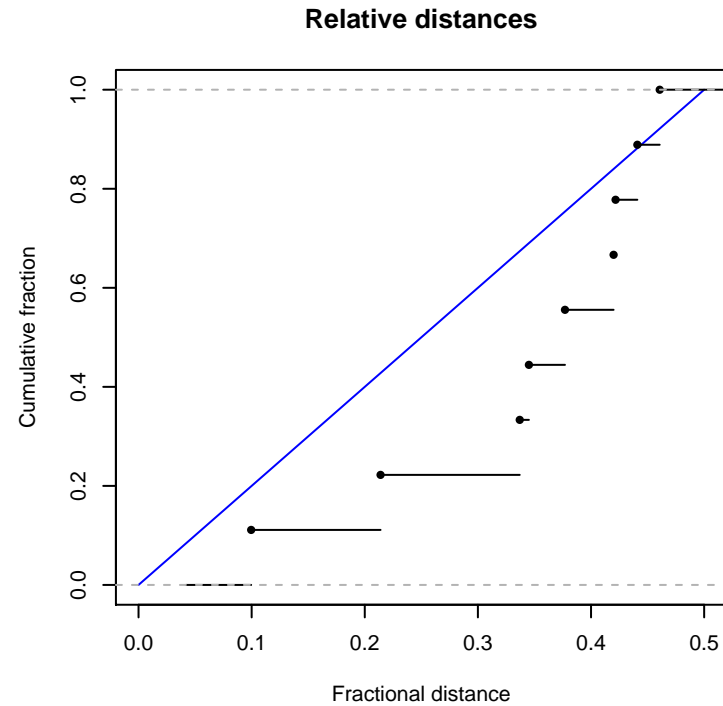
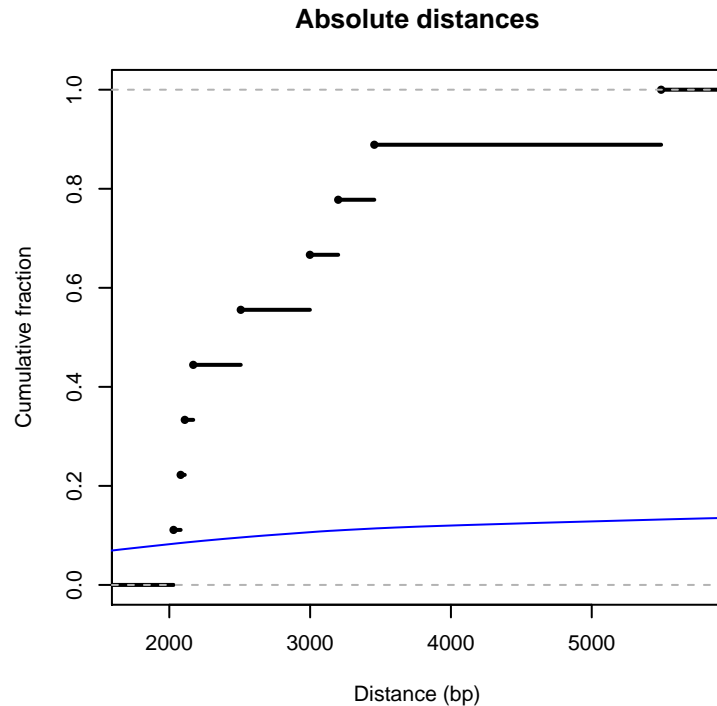


Relative distances



# pcontig\_067

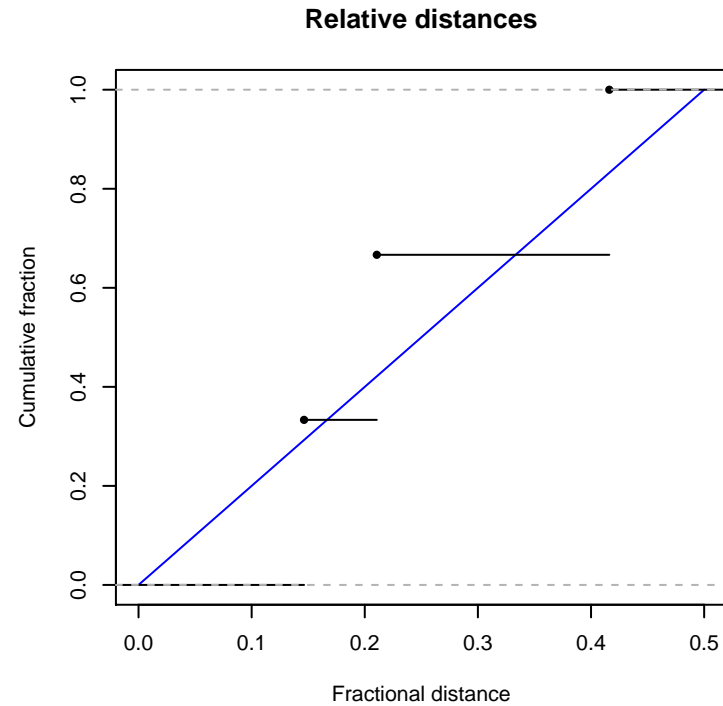
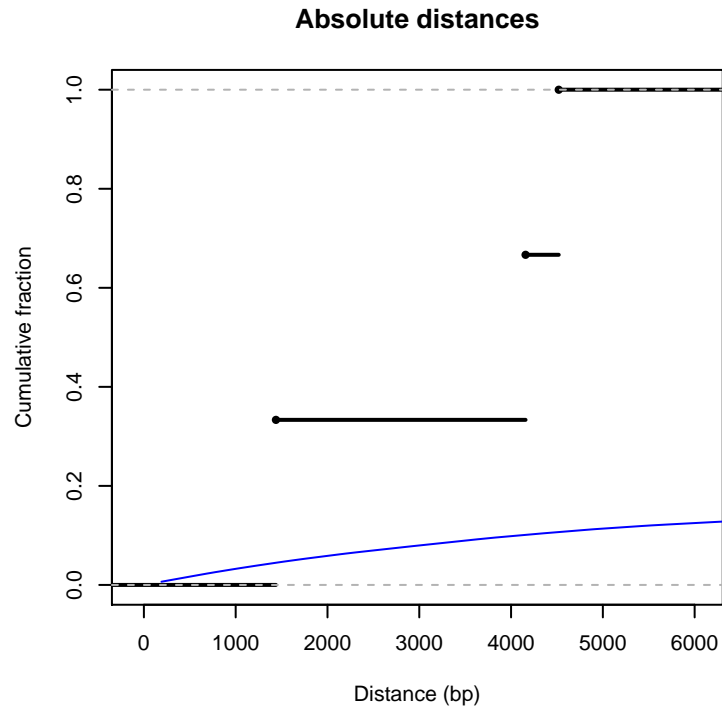
Query population : 9  
Reference population : 76  
Relative Ks p-value : 0.0339838  
Relative ecdf deviation area : 0.099407  
Relative ecdf area correlation : -0.384823  
Relative ecdf deviation area p-value : 0.09  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.46  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.306956  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





# pcontig\_068

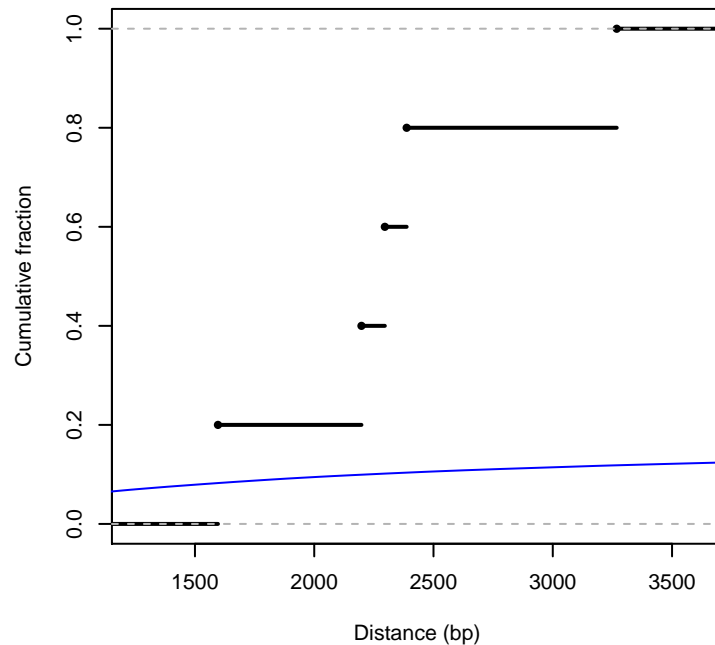
Query population : 3  
Reference population : 52  
Relative Ks p-value : 0.904064  
Relative ecdf deviation area : 0.0525191  
Relative ecdf area correlation : -0.0307972  
Relative ecdf deviation area p-value : 0.93  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.11  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0577178  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



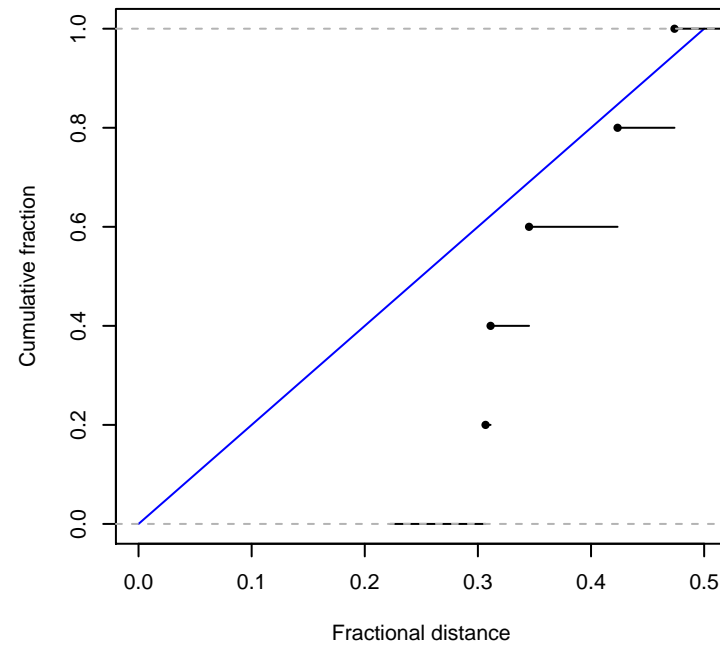
# pcontig\_069

Query population : 5  
Reference population : 96  
Relative Ks p-value : 0.0246655  
Relative ecdf deviation area : 0.123387  
Relative ecdf area correlation : -0.48837  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.38  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.212305  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

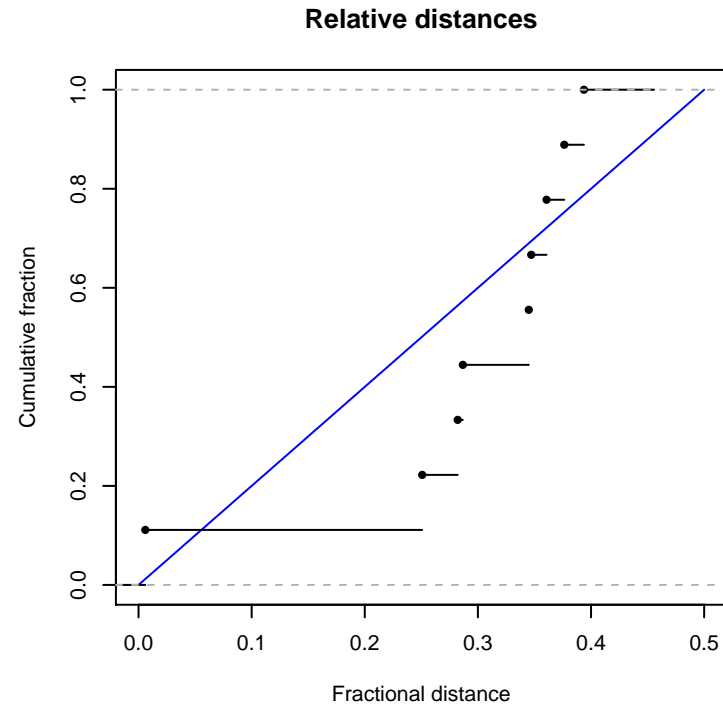
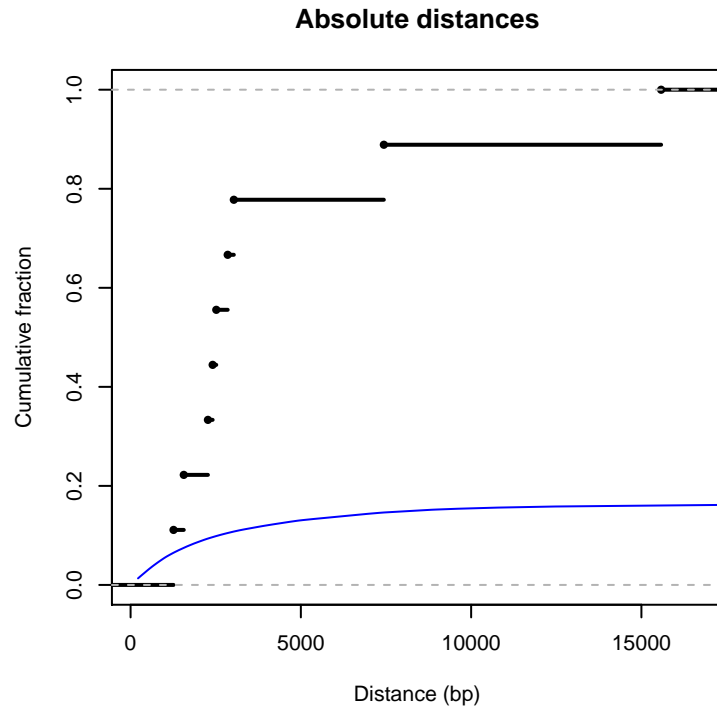


Relative distances



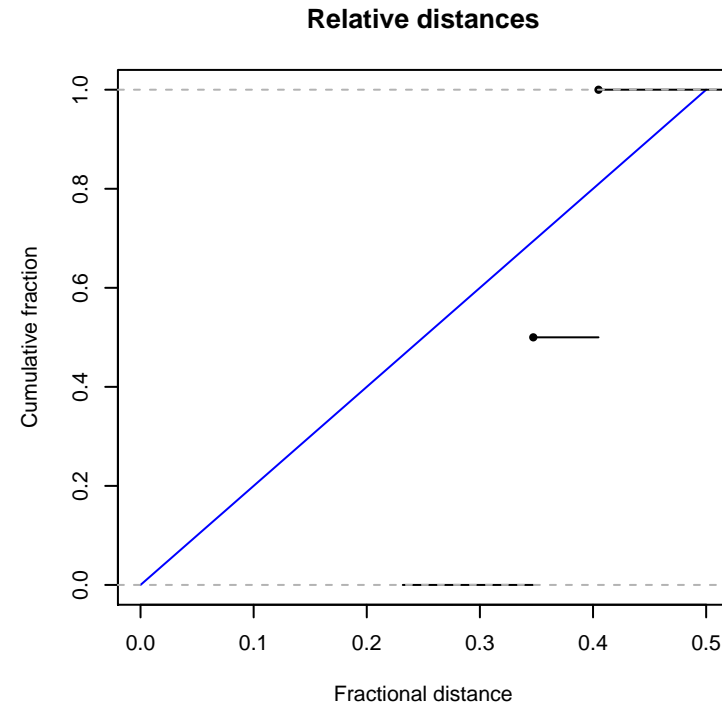
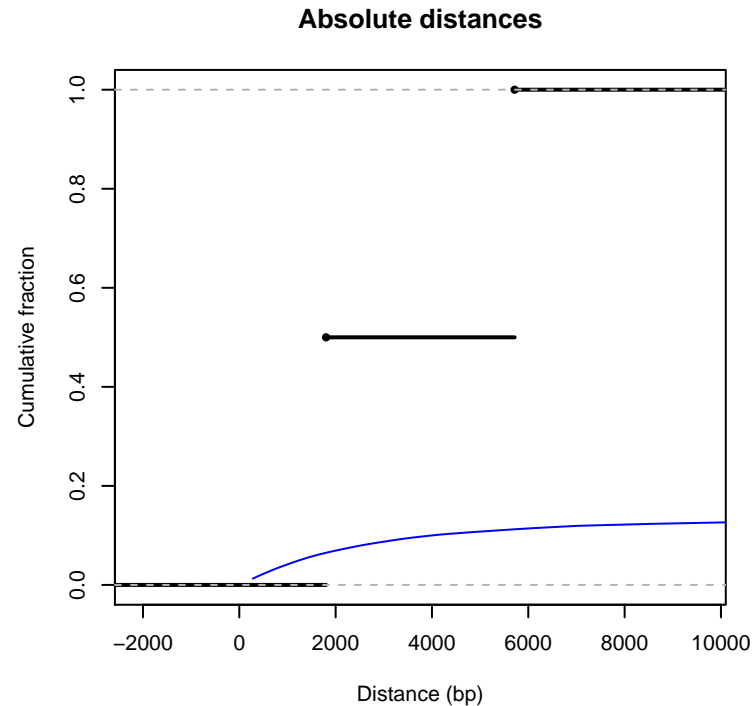
# pcontig\_070

Query population : 9  
Reference population : 93  
Relative Ks p-value : 0.0955196  
Relative ecdf deviation area : 0.0770176  
Relative ecdf area correlation : -0.177111  
Relative ecdf deviation area p-value : 0.12  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.42  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.293456  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



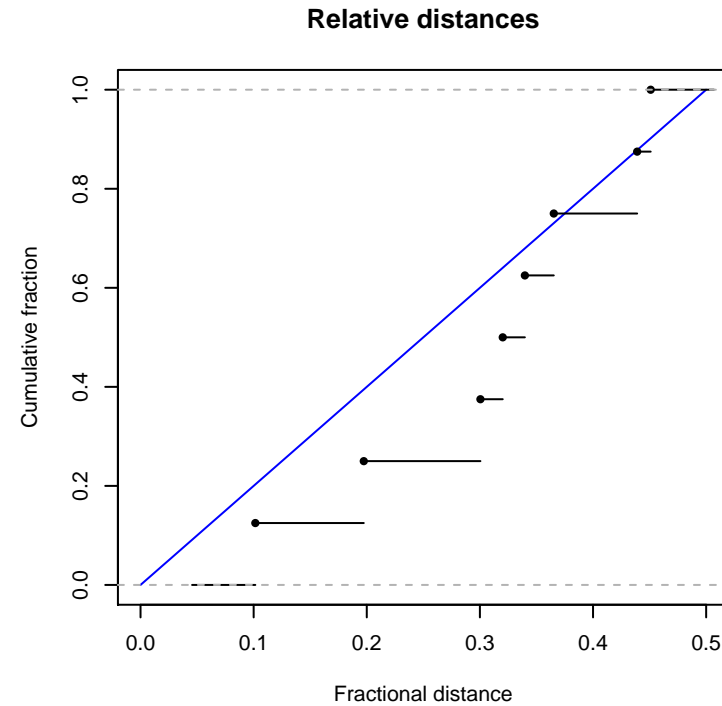
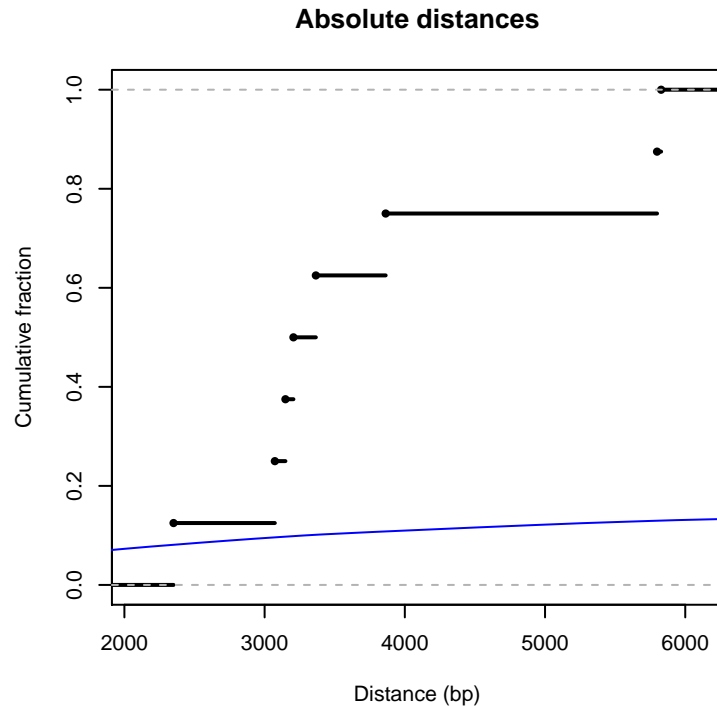
# pcontig\_072

Query population : 2  
Reference population : 70  
Relative Ks p-value : 0.18684  
Relative ecdf deviation area : 0.144381  
Relative ecdf area correlation : -0.504043  
Relative ecdf deviation area p-value : 0.22  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.1  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0651303  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_073

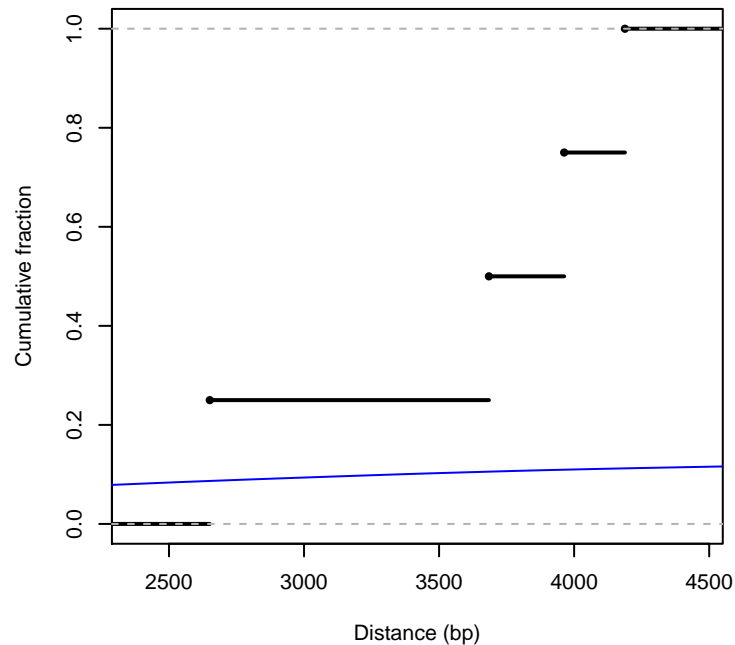
Query population : 8  
Reference population : 70  
Relative Ks p-value : 0.219105  
Relative ecdf deviation area : 0.0691419  
Relative ecdf area correlation : -0.257274  
Relative ecdf deviation area p-value : 0.29  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.28  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.244408  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



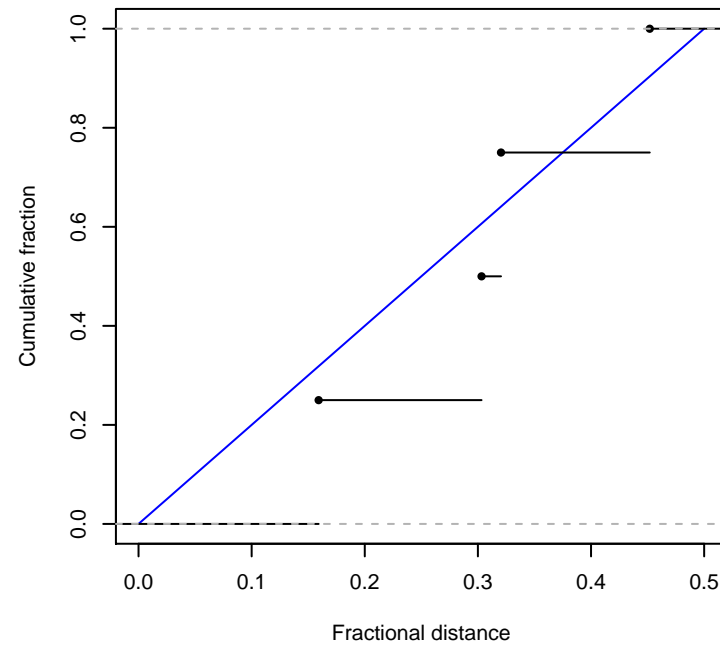
# pcontig\_074

Query population : 4  
Reference population : 64  
Relative Ks p-value : 0.582948  
Relative ecdf deviation area : 0.0695285  
Relative ecdf area correlation : -0.234781  
Relative ecdf deviation area p-value : 0.55  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.23  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.13765  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

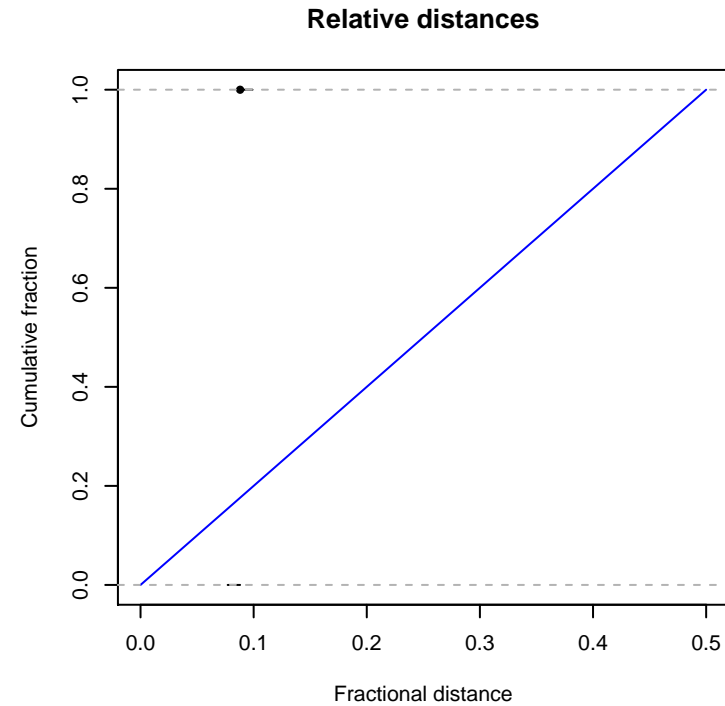
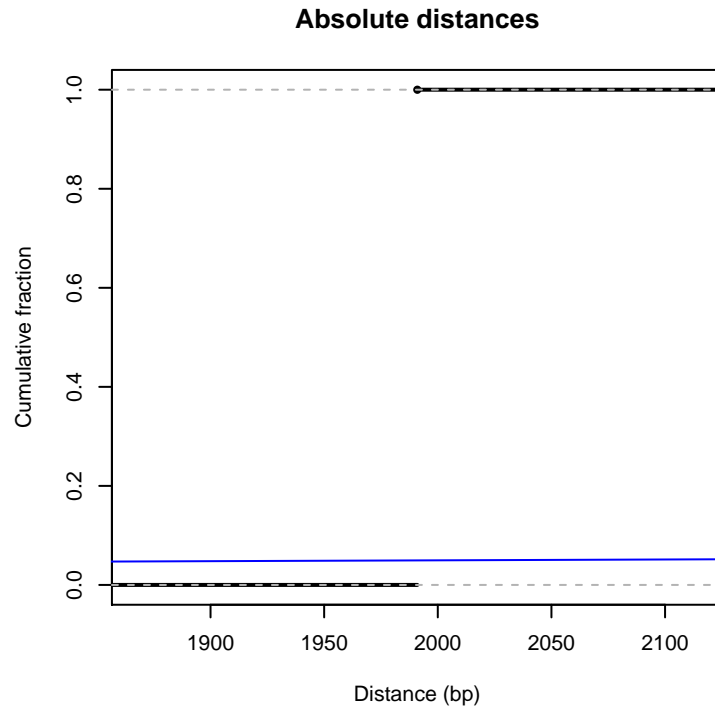


Relative distances



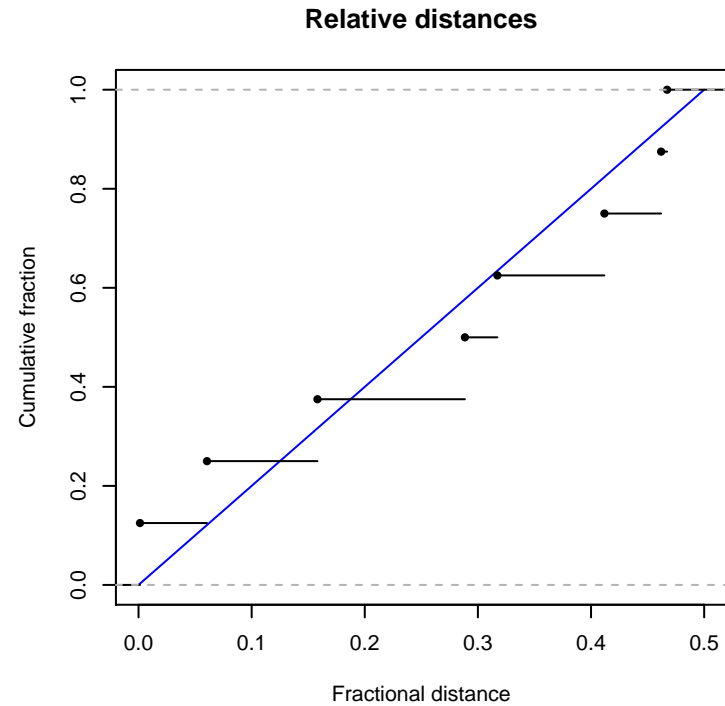
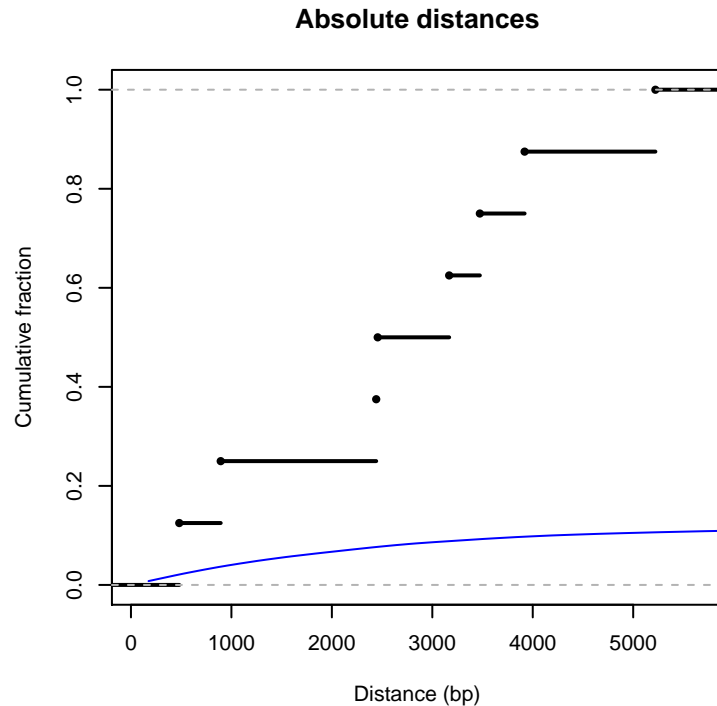
# pcontig\_075

Query population : 1  
Reference population : 53  
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 : 0.05  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0151003  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_077

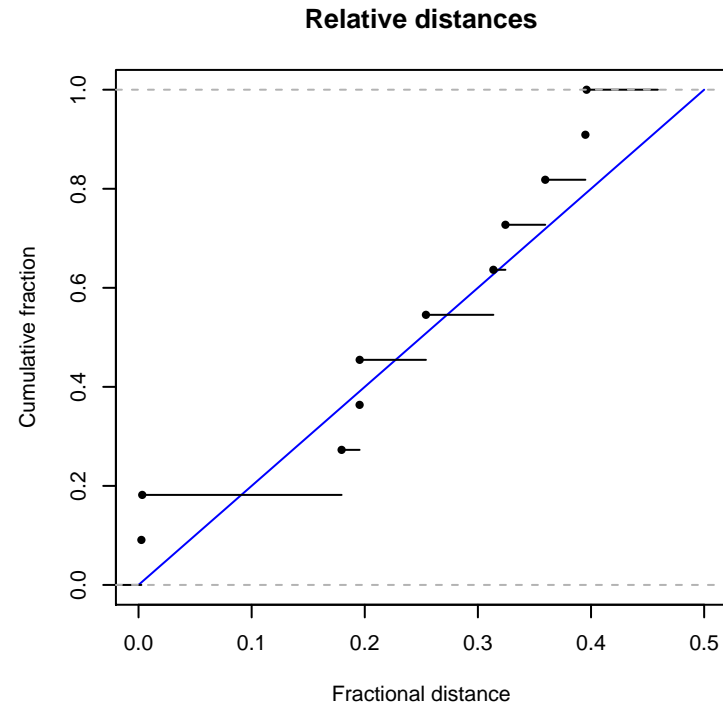
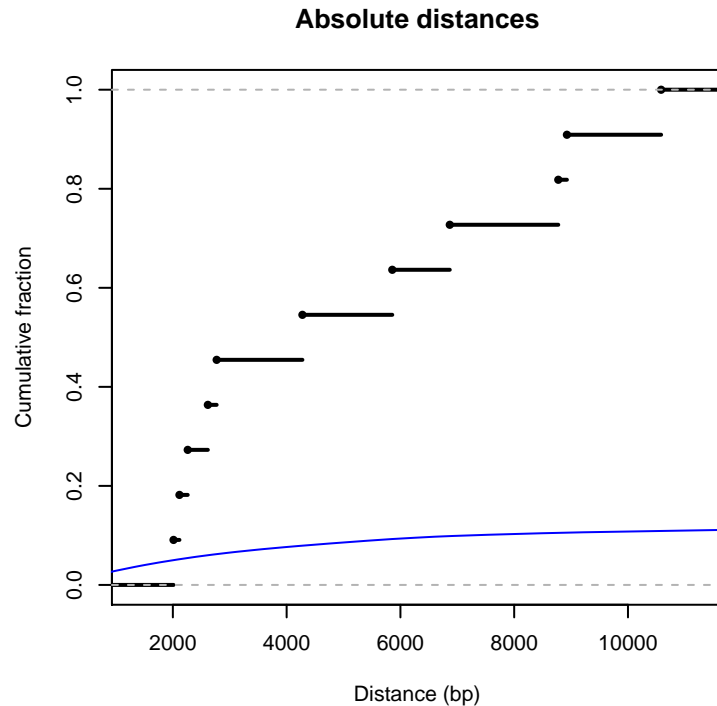
Query population : 8  
Reference population : 68  
Relative Ks p-value : 0.84001  
Relative ecdf deviation area : 0.0405639  
Relative ecdf area correlation : -0.0833777  
Relative ecdf deviation area p-value : 0.69  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.4  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.263794  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





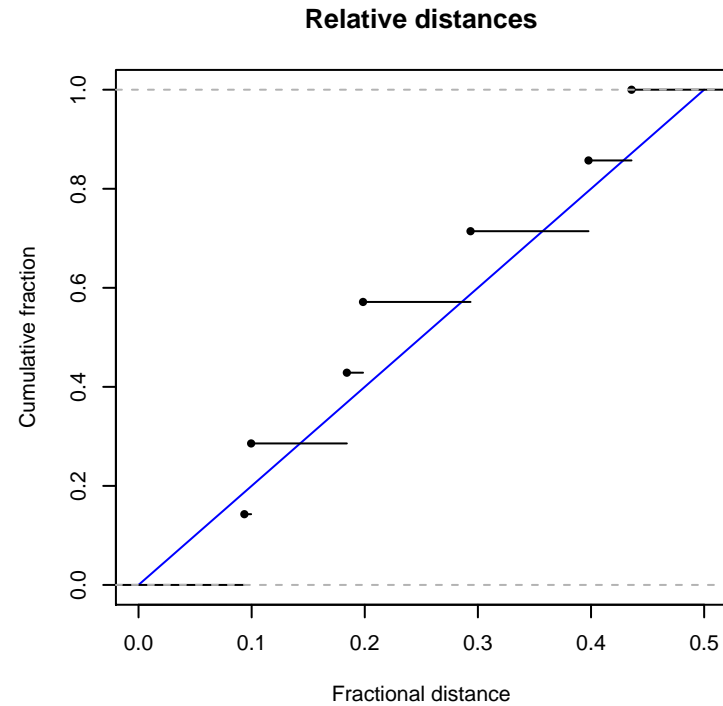
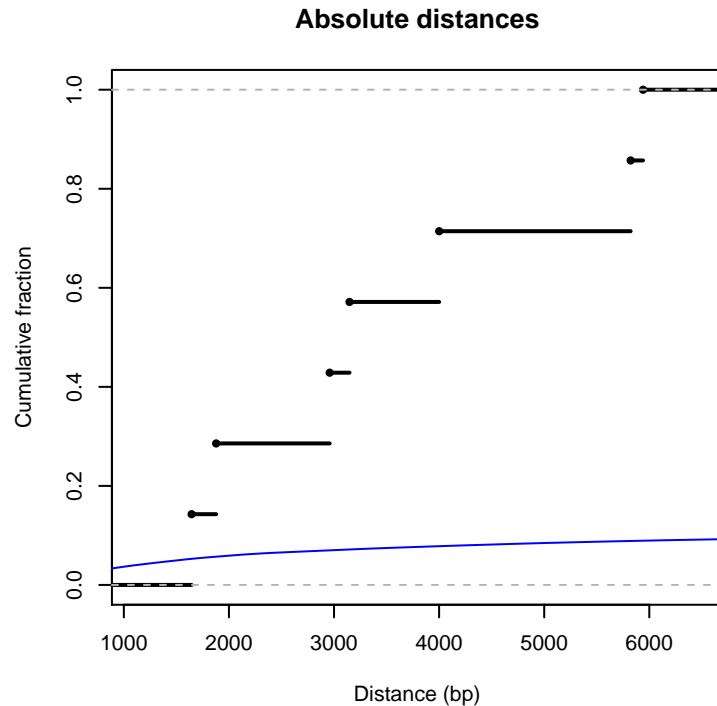
# pcontig\_078

Query population : 11  
Reference population : 45  
Relative Ks p-value : 0.656648  
Relative ecdf deviation area : 0.036092  
Relative ecdf area correlation : 0.0476615  
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 : 0.2  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.215716  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



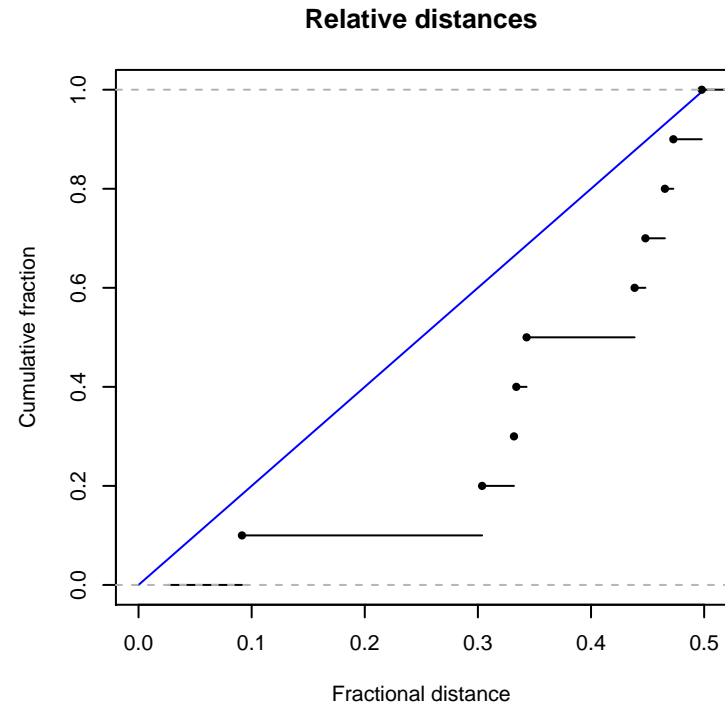
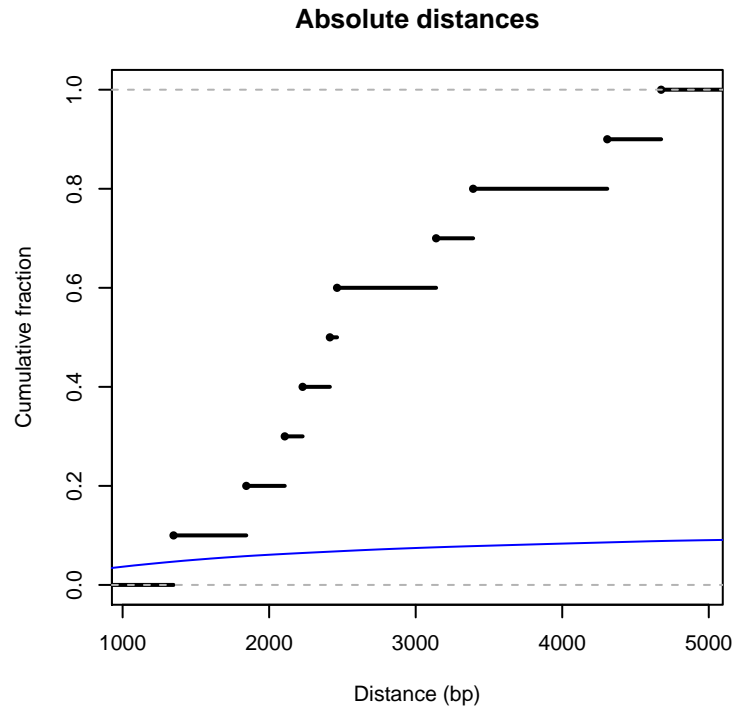
# pcontig\_080

Query population : 7  
Reference population : 62  
Relative Ks p-value : 0.931137  
Relative ecdf deviation area : 0.031751  
Relative ecdf area correlation : 0.0269894  
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 : 0.21  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.185159  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



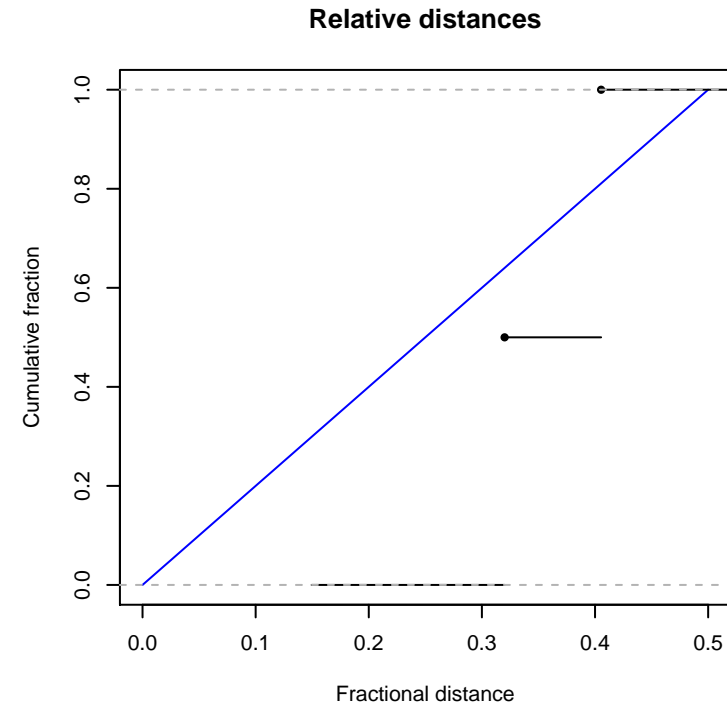
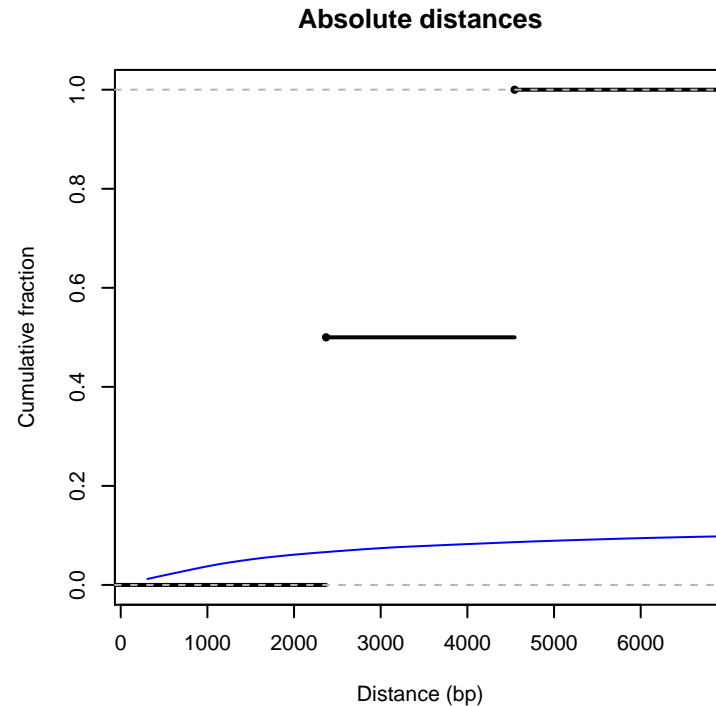
# pcontig\_081

Query population : 10  
Reference population : 58  
Relative Ks p-value : 0.00654338  
Relative ecdf deviation area : 0.123651  
Relative ecdf area correlation : -0.490621  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.38  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.250744  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



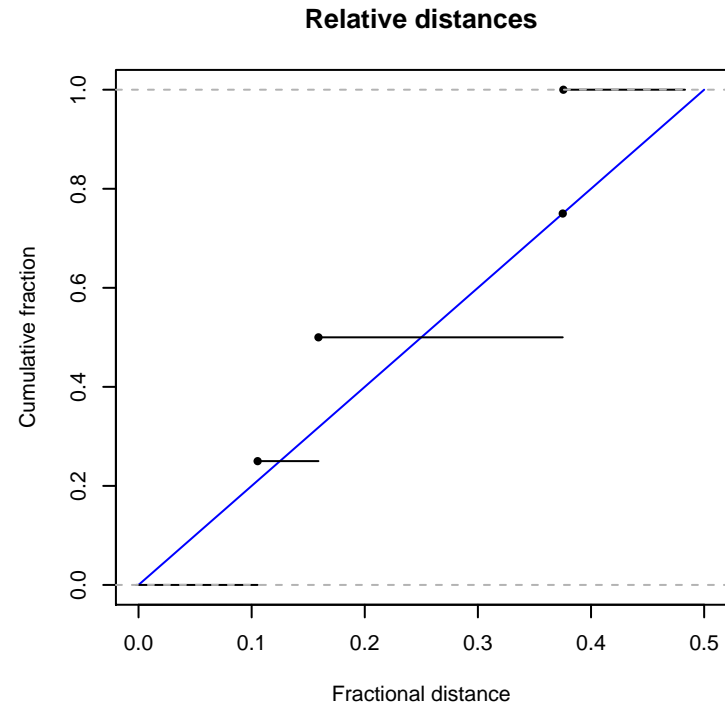
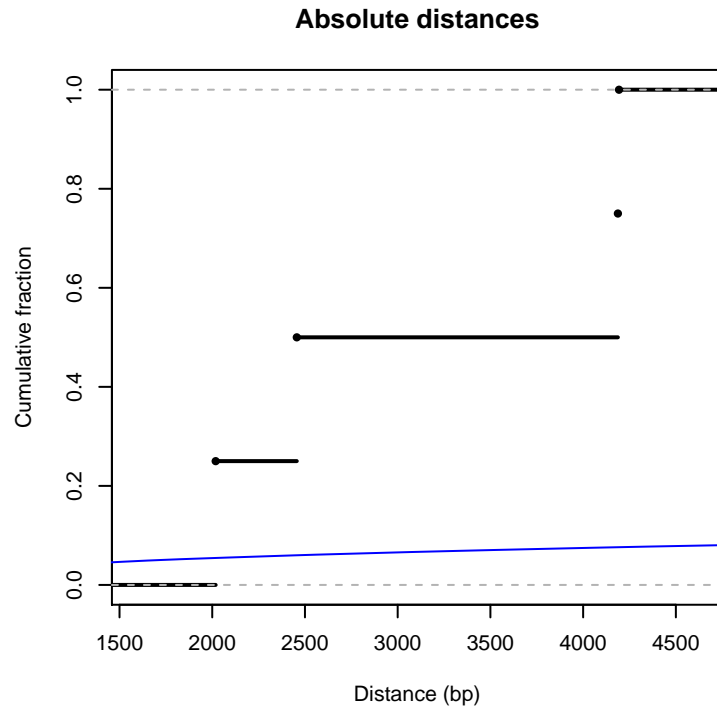
# pcontig\_082

Query population : 2  
Reference population : 60  
Relative Ks p-value : 0.258965  
Relative ecdf deviation area : 0.130575  
Relative ecdf area correlation : -0.450942  
Relative ecdf deviation area p-value : 0.29  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.1  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0515506  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



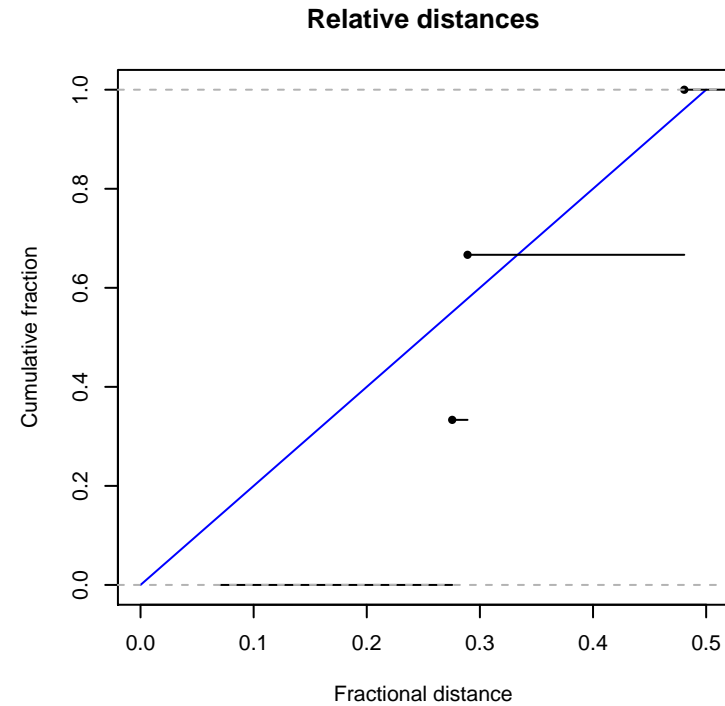
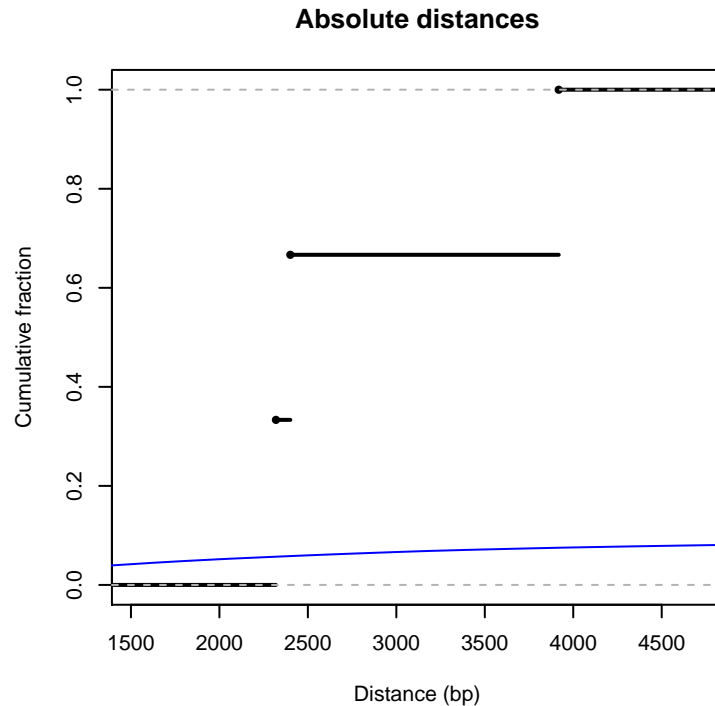
# pcontig\_083

Query population : 4  
Reference population : 54  
Relative Ks p-value : 0.906225  
Relative ecdf deviation area : 0.0520896  
Relative ecdf area correlation : -0.0148656  
Relative ecdf deviation area p-value : 0.81  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.15  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0989901  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



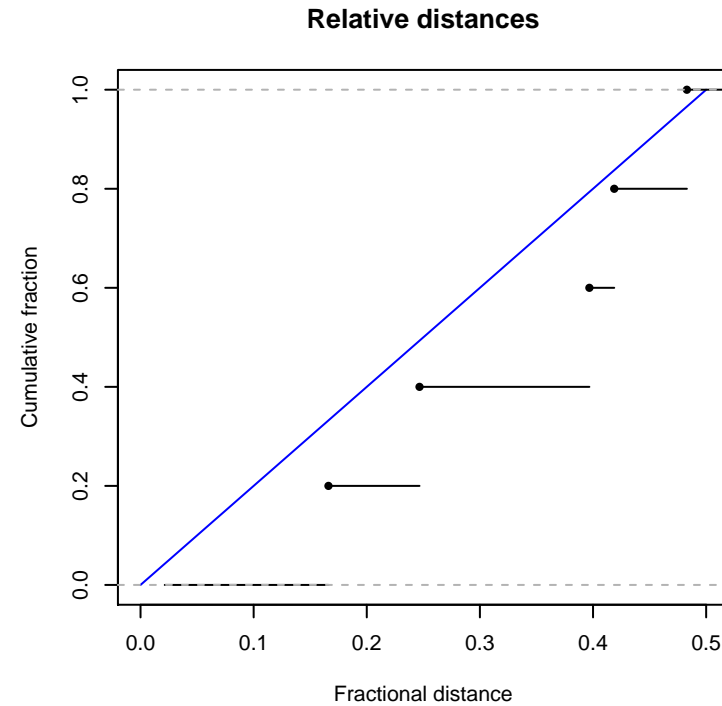
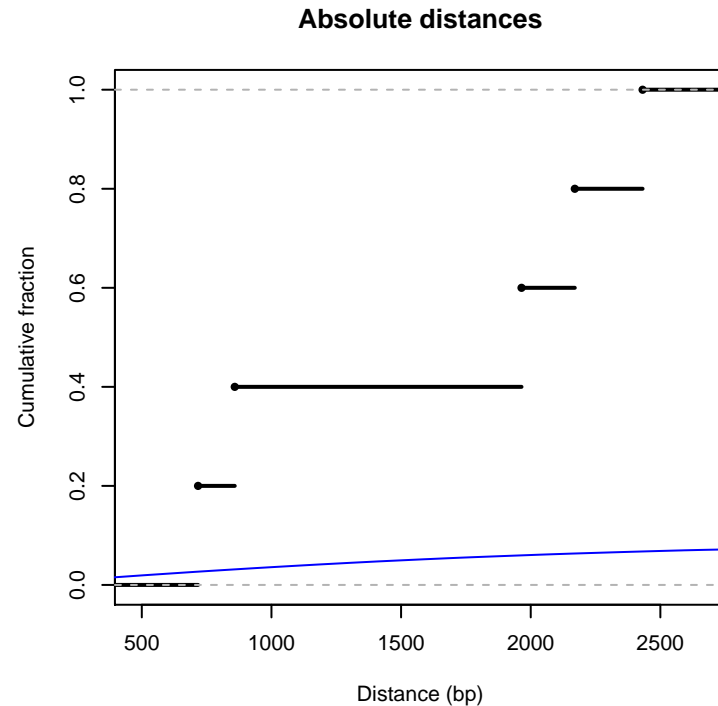
# pcontig\_084

Query population : 3  
Reference population : 47  
Relative Ks p-value : 0.225201  
Relative ecdf deviation area : 0.102982  
Relative ecdf area correlation : -0.393692  
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 : 0.0707931  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



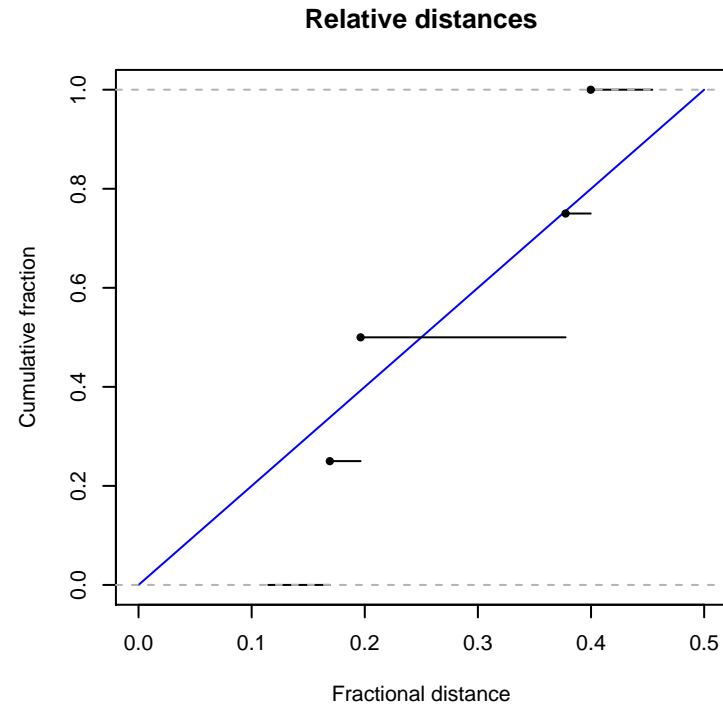
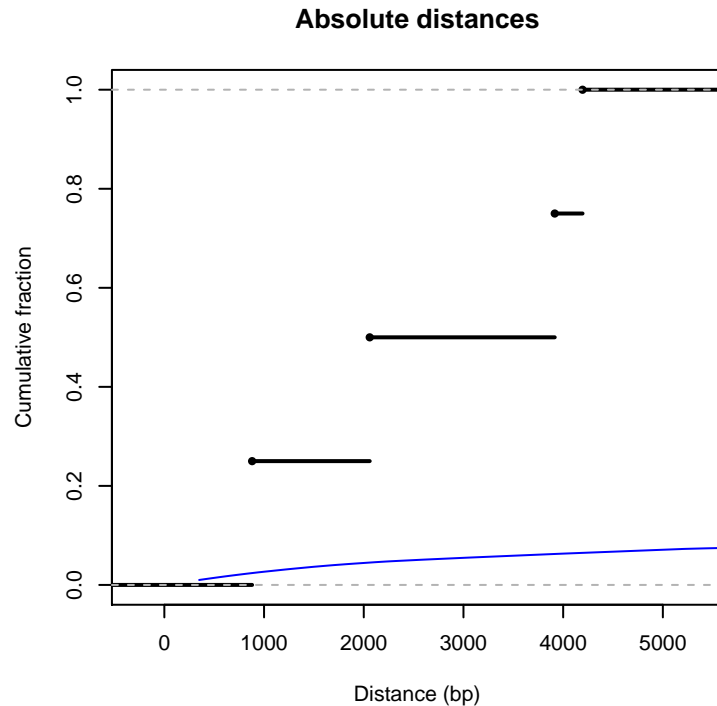
# pcontig\_086

Query population : 5  
Reference population : 60  
Relative Ks p-value : 0.326248  
Relative ecdf deviation area : 0.0922417  
Relative ecdf area correlation : -0.369014  
Relative ecdf deviation area p-value : 0.26  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.16  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.114887  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_087

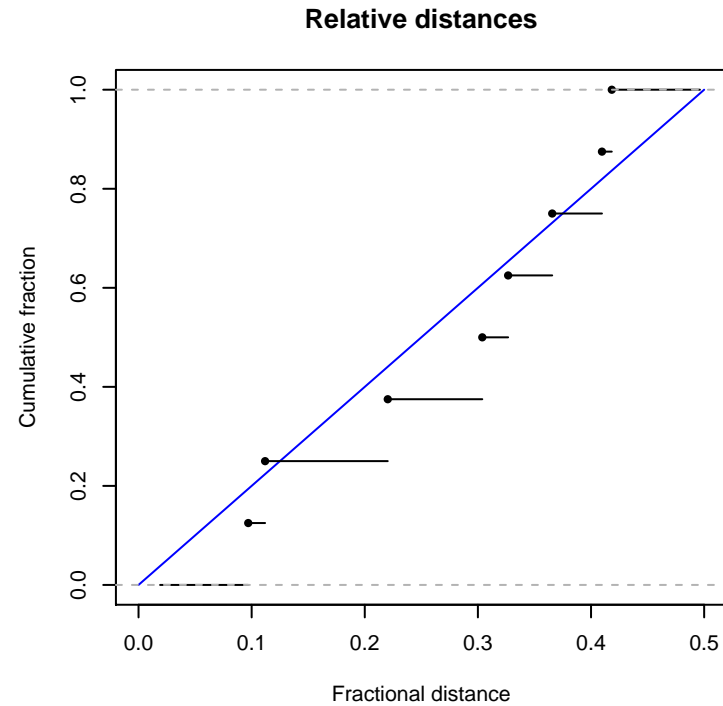
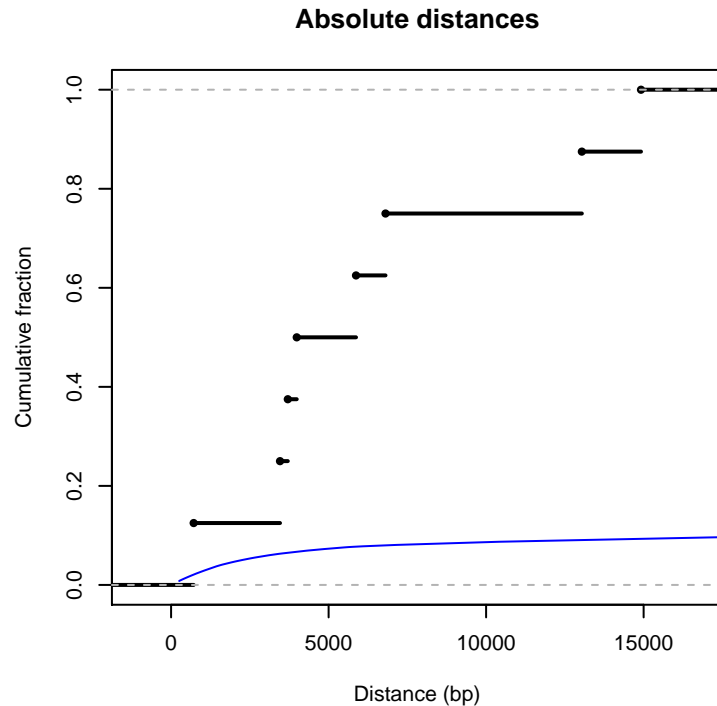
Query population : 4  
Reference population : 44  
Relative Ks p-value : 0.645495  
Relative ecdf deviation area : 0.0615513  
Relative ecdf area correlation : -0.142623  
Relative ecdf deviation area p-value : 0.65  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.09  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0867077  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





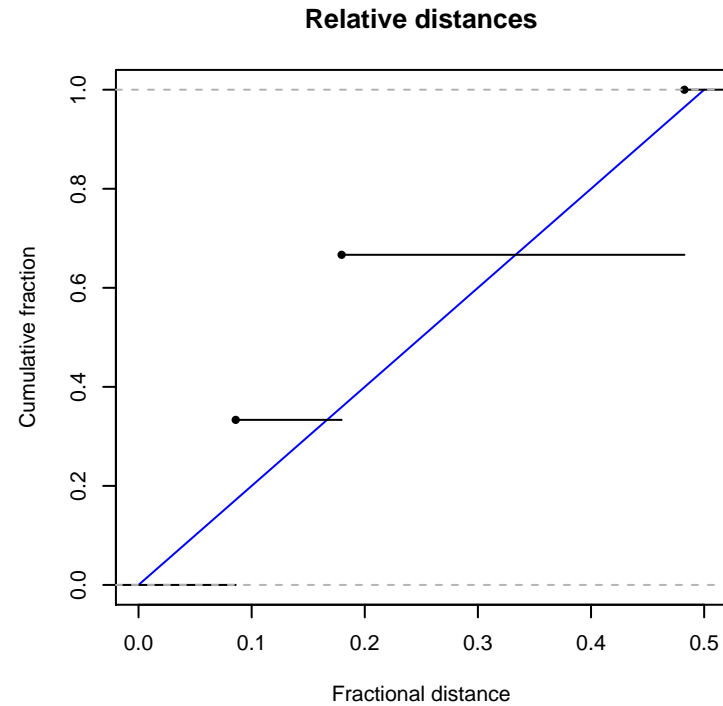
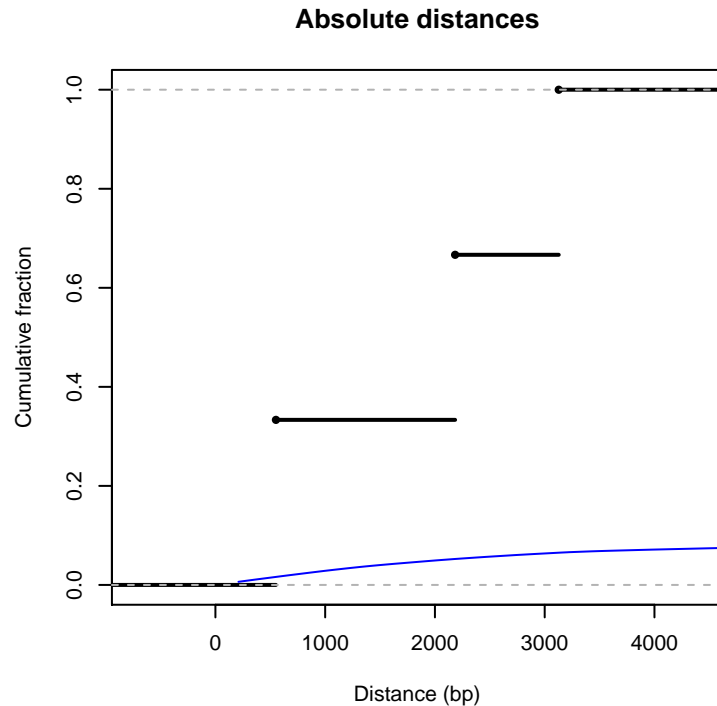
# pcontig\_088

Query population : 8  
Reference population : 48  
Relative Ks p-value : 0.697293  
Relative ecdf deviation area : 0.0467353  
Relative ecdf area correlation : -0.126724  
Relative ecdf deviation area p-value : 0.67  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.3  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.159972  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



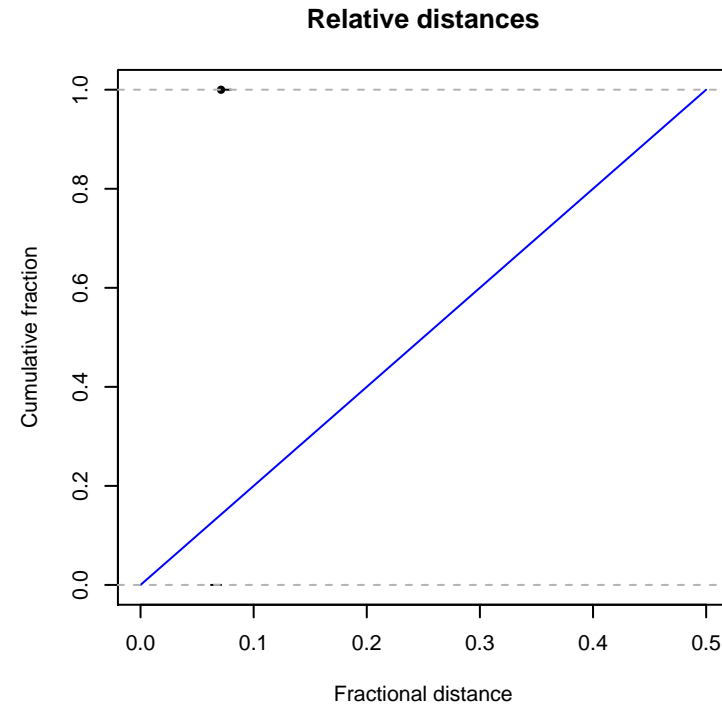
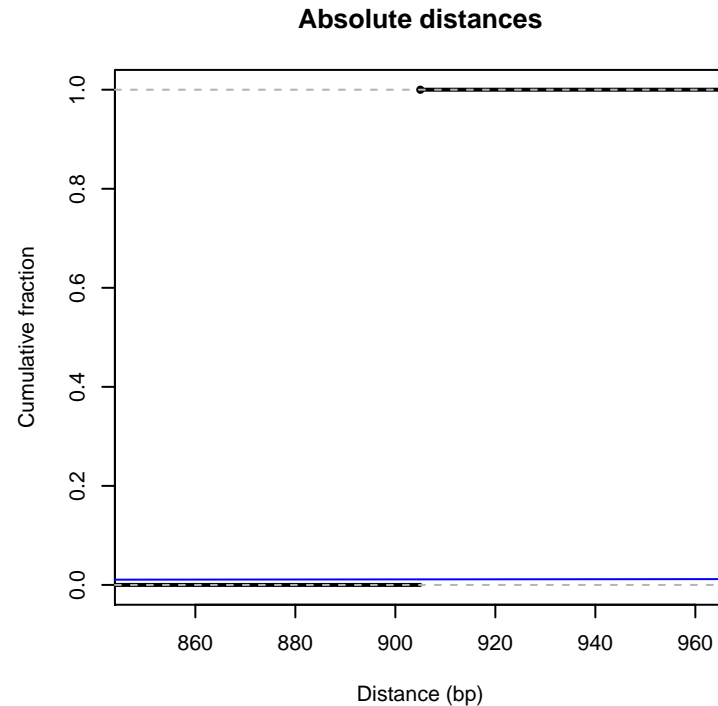
# pcontig\_089

Query population : 3  
Reference population : 46  
Relative Ks p-value : 0.865499  
Relative ecdf deviation area : 0.0603392  
Relative ecdf area correlation : 0.00274317  
Relative ecdf deviation area p-value : 0.85  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.15  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0793862  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



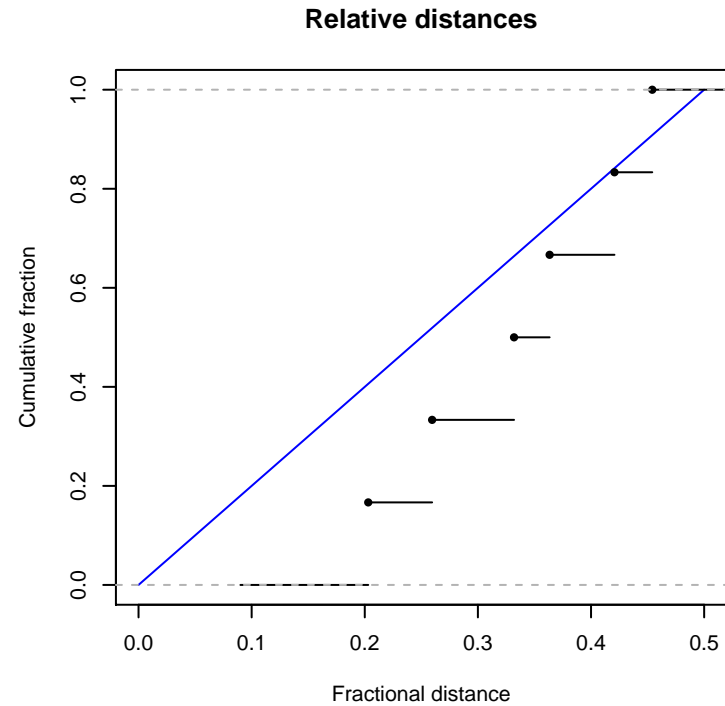
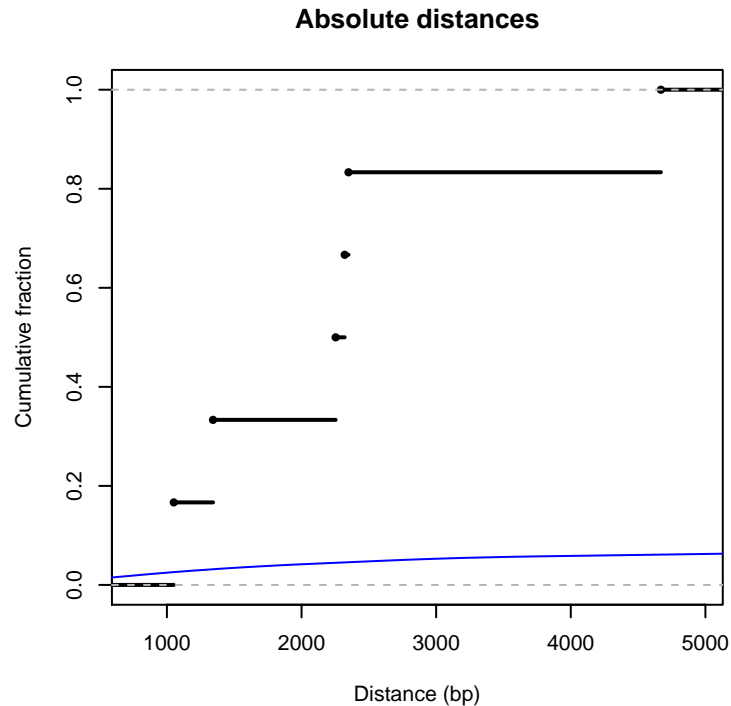
# pcontig\_090

Query population : 1  
Reference population : 21  
Relative Ks p-value : 0.284804  
Relative ecdf deviation area : 0.189188  
Relative ecdf area correlation : 0.715196  
Relative ecdf deviation area p-value : 0.19  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00950931  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



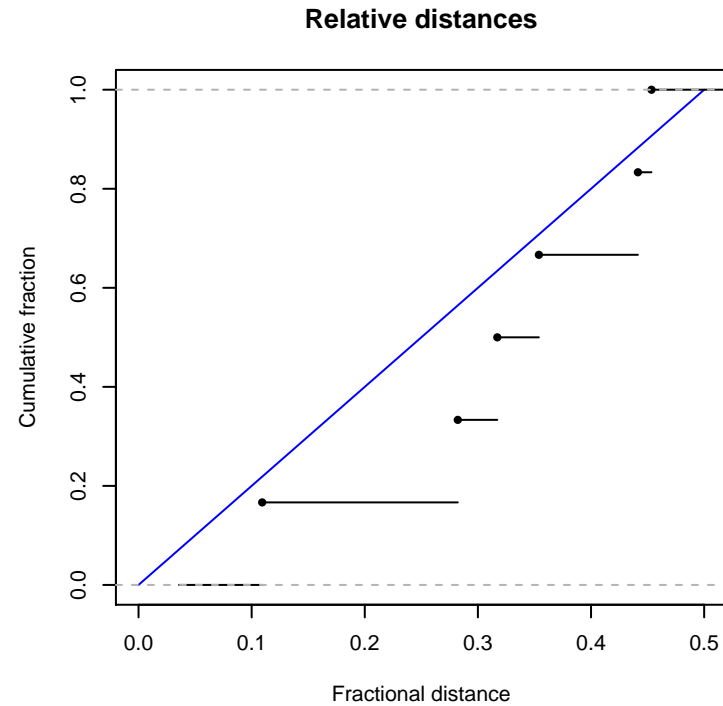
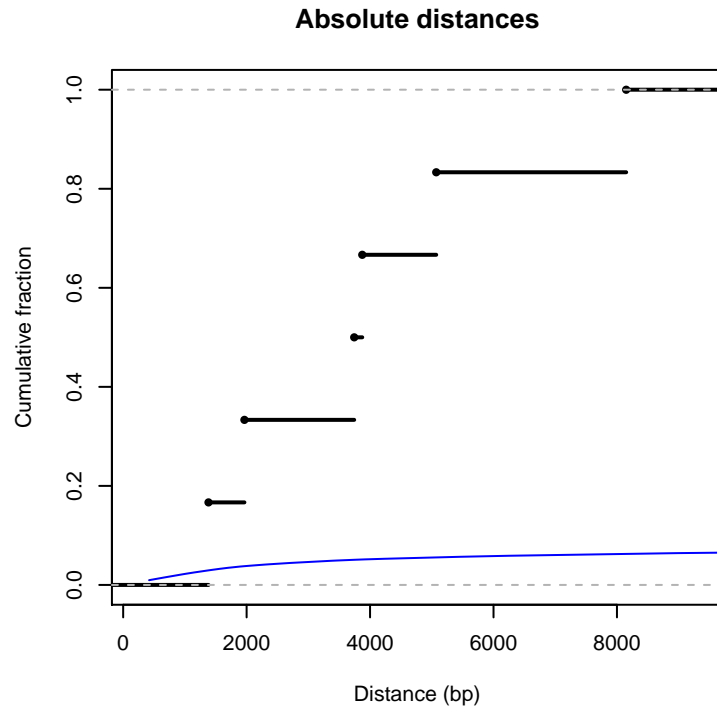
# pcontig\_091

Query population : 6  
Reference population : 39  
Relative Ks p-value : 0.20966  
Relative ecdf deviation area : 0.0927197  
Relative ecdf area correlation : -0.355215  
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 : 0.19  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.135589  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



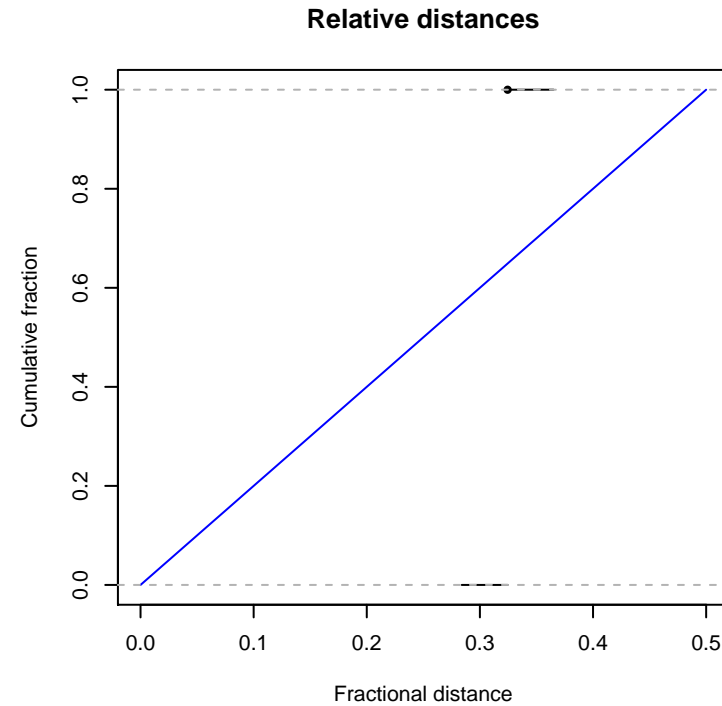
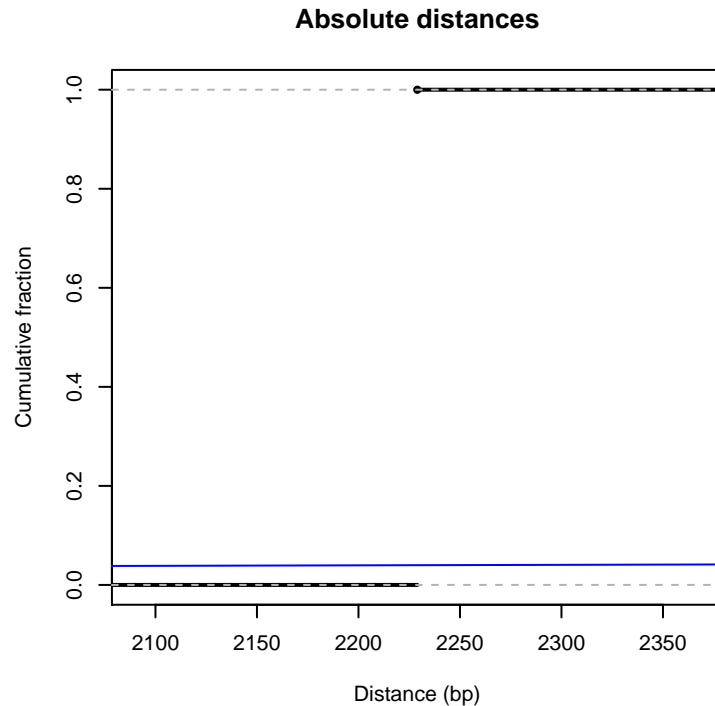
# pcontig\_092

Query population : 6  
Reference population : 35  
Relative Ks p-value : 0.229465  
Relative ecdf deviation area : 0.0802879  
Relative ecdf area correlation : -0.304983  
Relative ecdf deviation area p-value : 0.26  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.25  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.128868  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



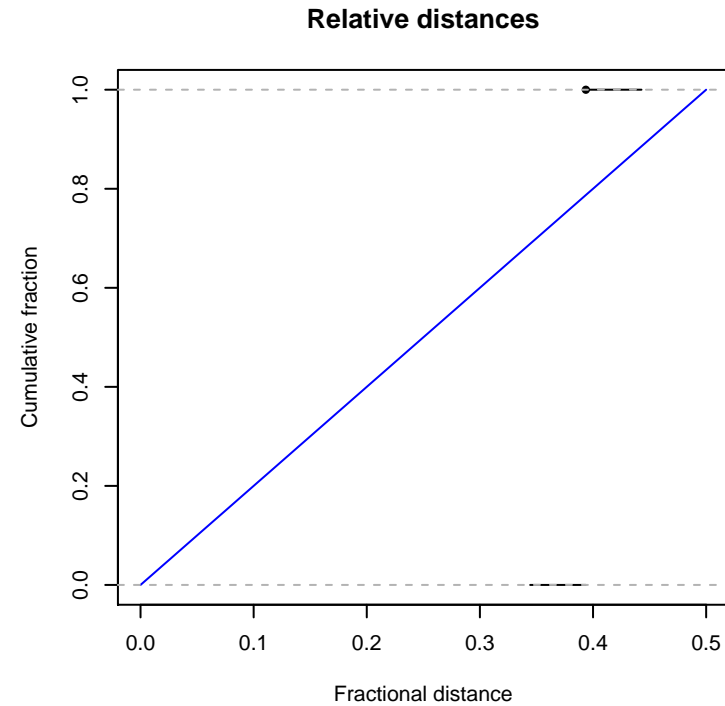
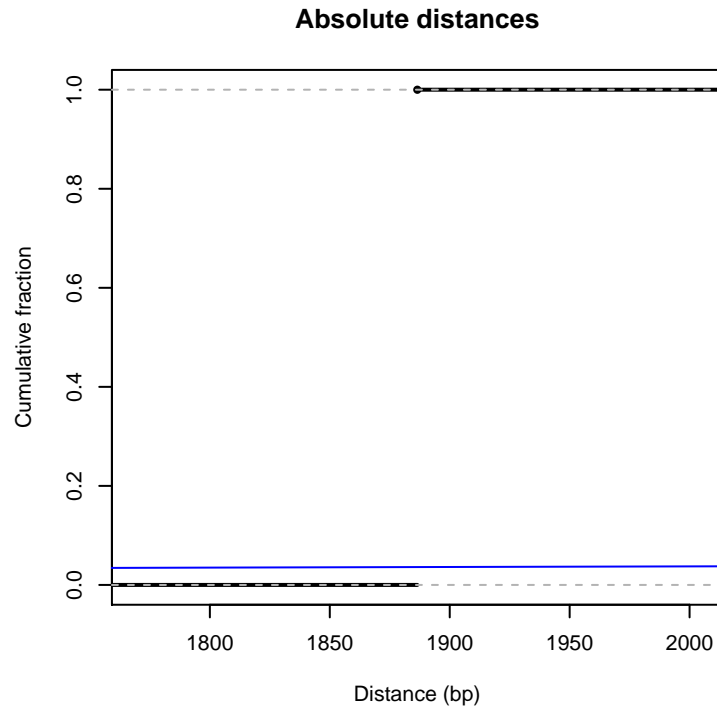
# pcontig\_095

Query population : 1  
Reference population : 37  
Relative Ks p-value : 0.701994  
Relative ecdf deviation area : 0.136029  
Relative ecdf area correlation : -0.298006  
Relative ecdf deviation area p-value : 0.7  
Scaled Absolute min. distance p-value : 0.07  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.04  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0174714  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



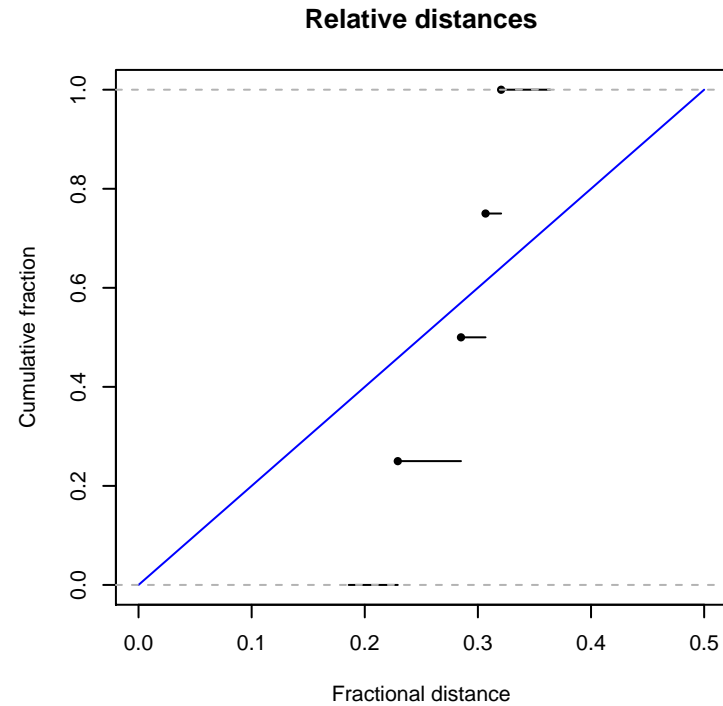
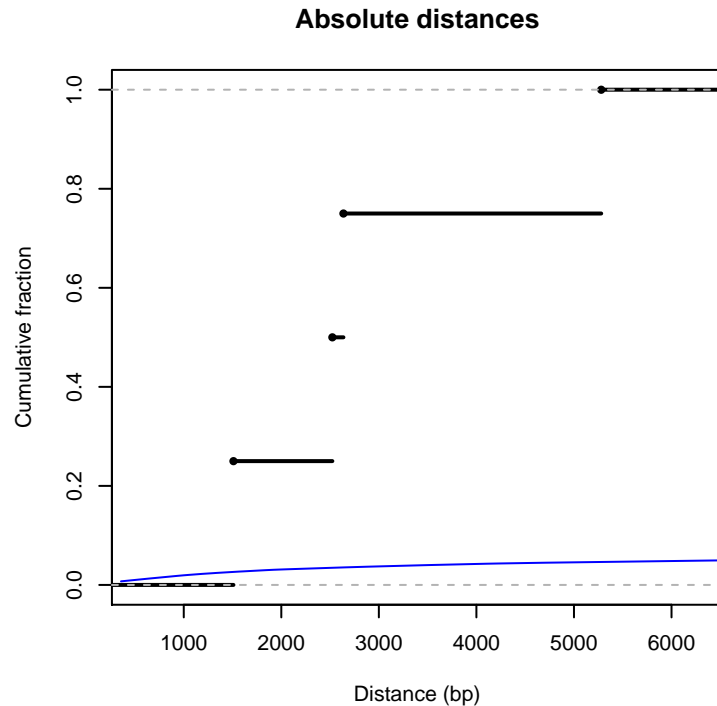
# pcontig\_097

Query population : 1  
Reference population : 35  
Relative Ks p-value : 0.425456  
Relative ecdf deviation area : 0.166529  
Relative ecdf area correlation : -0.574544  
Relative ecdf deviation area p-value : 0.36  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0184047  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_100

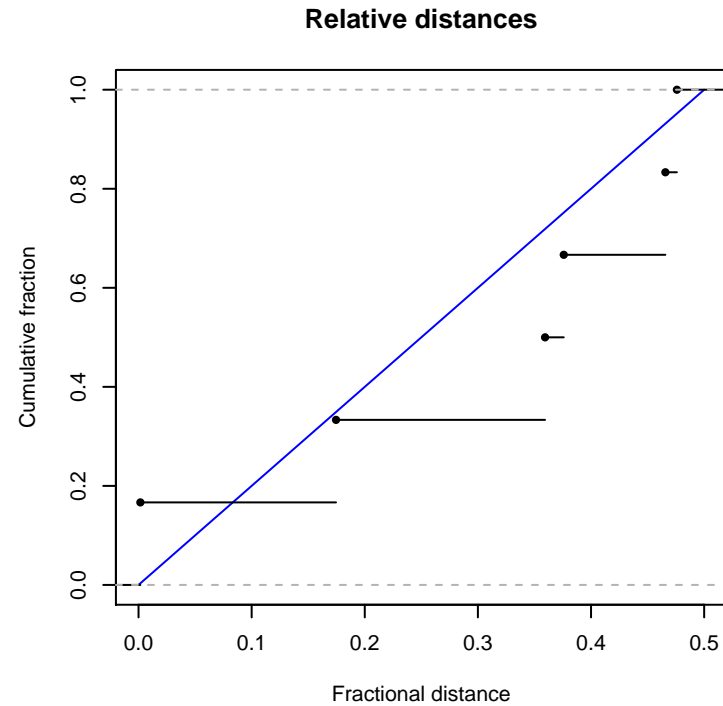
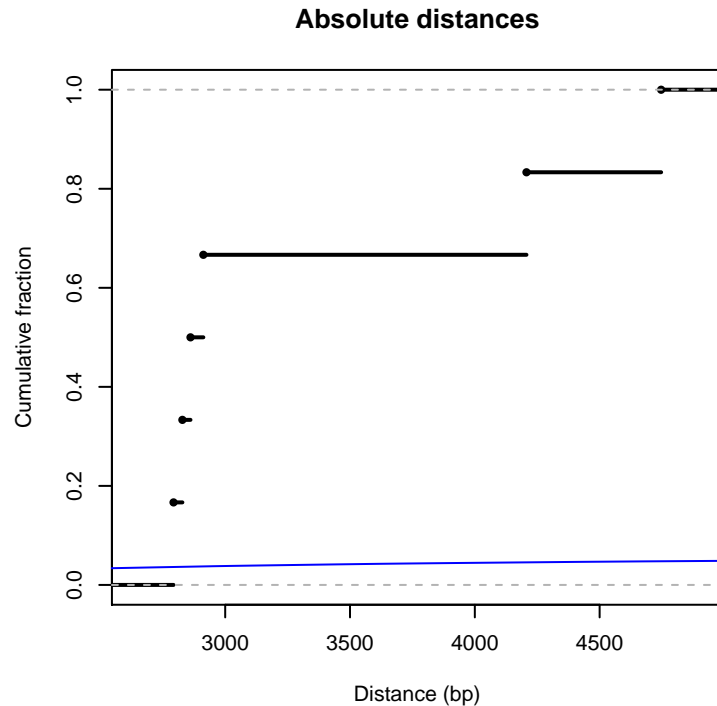
Query population : 4  
Reference population : 31  
Relative Ks p-value : 0.272217  
Relative ecdf deviation area : 0.103441  
Relative ecdf area correlation : -0.141525  
Relative ecdf deviation area p-value : 0.16  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.1  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0626393  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





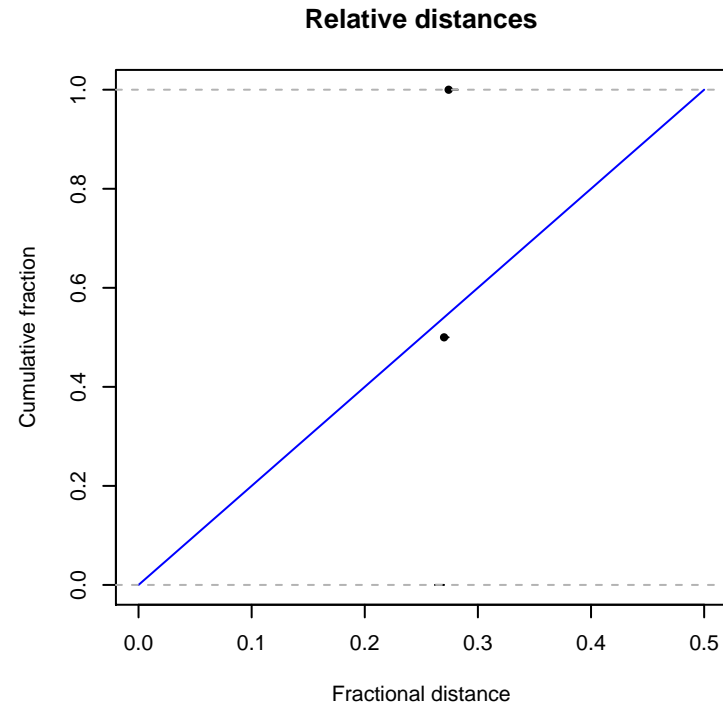
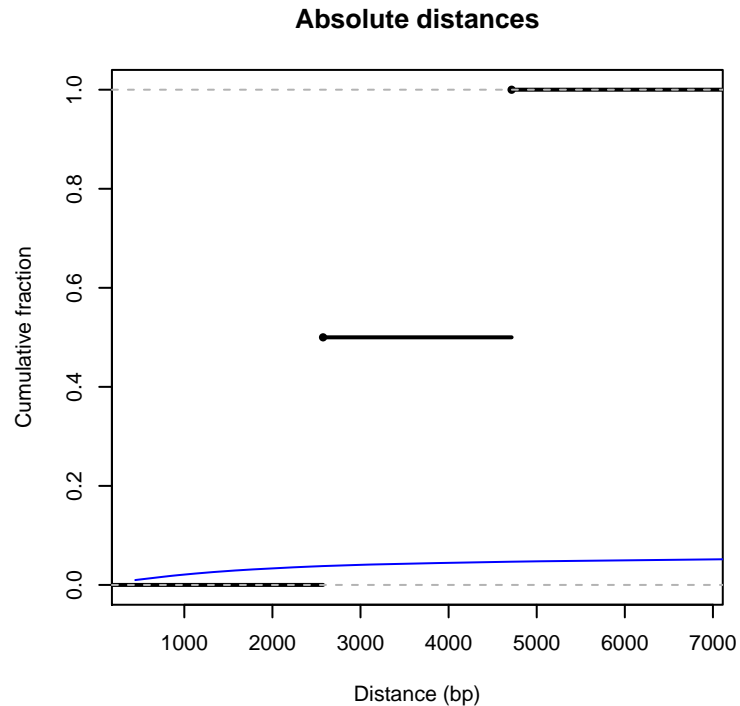
# pcontig\_103

Query population : 6  
Reference population : 25  
Relative Ks p-value : 0.261122  
Relative ecdf deviation area : 0.0737114  
Relative ecdf area correlation : -0.235418  
Relative ecdf deviation area p-value : 0.19  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.14  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0761902  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



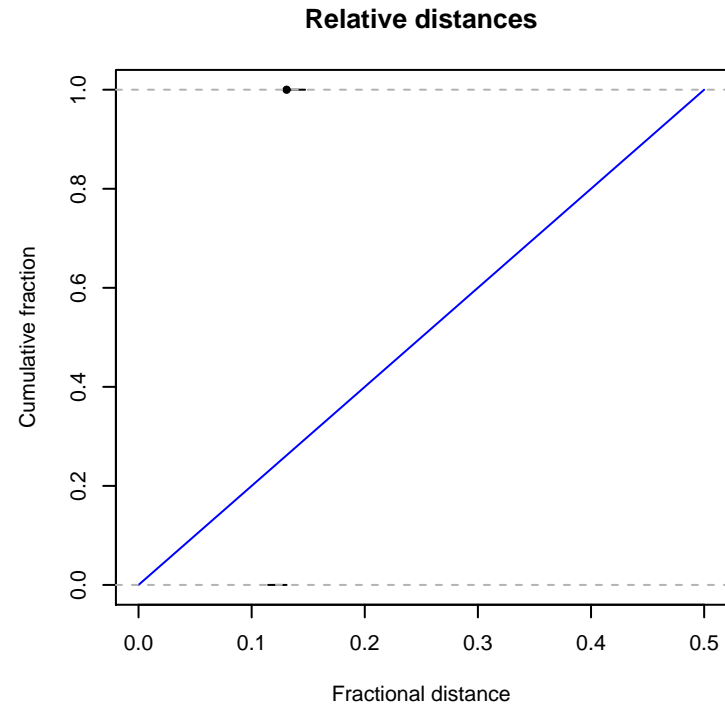
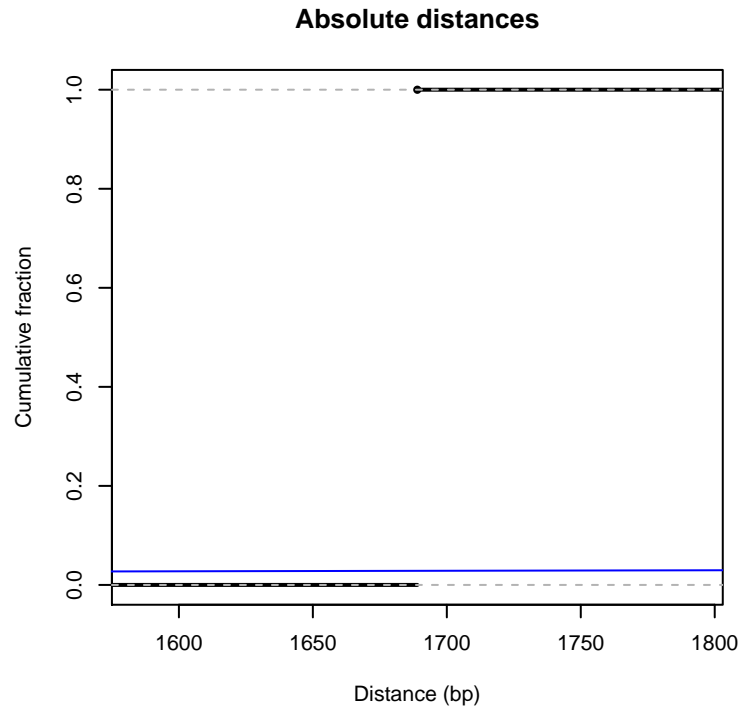
# pcontig\_104

Query population : 2  
Reference population : 34  
Relative Ks p-value : 0.422861  
Relative ecdf deviation area : 0.126099  
Relative ecdf area correlation : -0.0884359  
Relative ecdf deviation area p-value : 0.28  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.05  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0363174  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



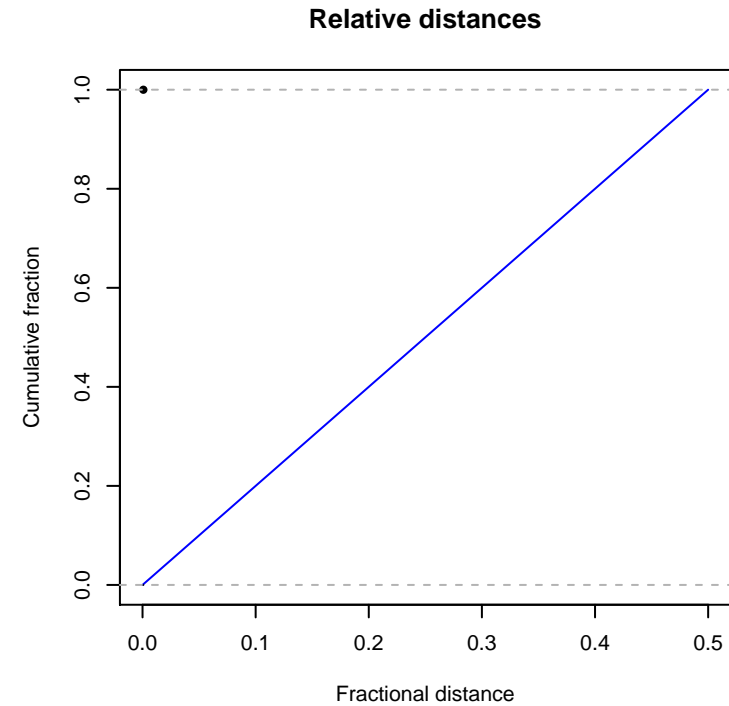
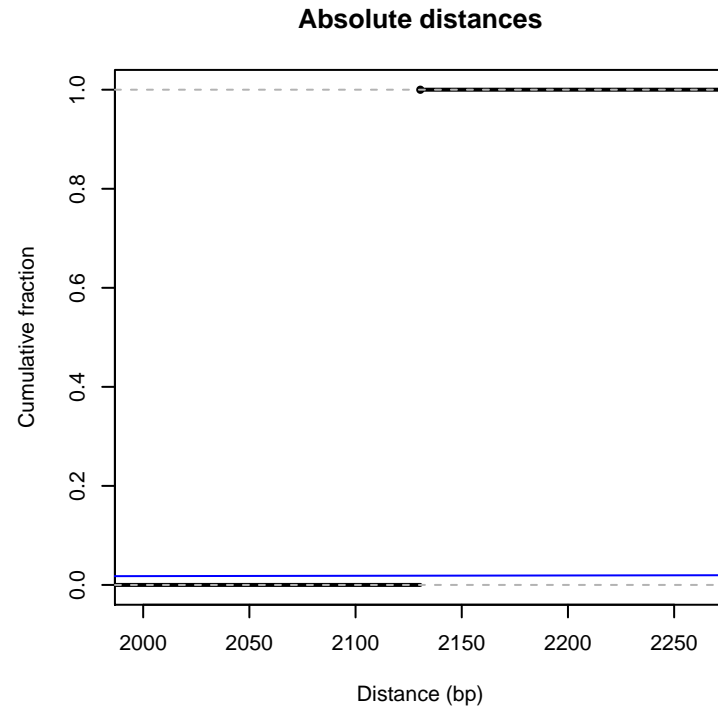
# pcontig\_106

Query population : 1  
Reference population : 30  
Relative Ks p-value : 0.523559  
Relative ecdf deviation area : 0.15323  
Relative ecdf area correlation : 0.476441  
Relative ecdf deviation area p-value : 0.54  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.05  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0176487  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



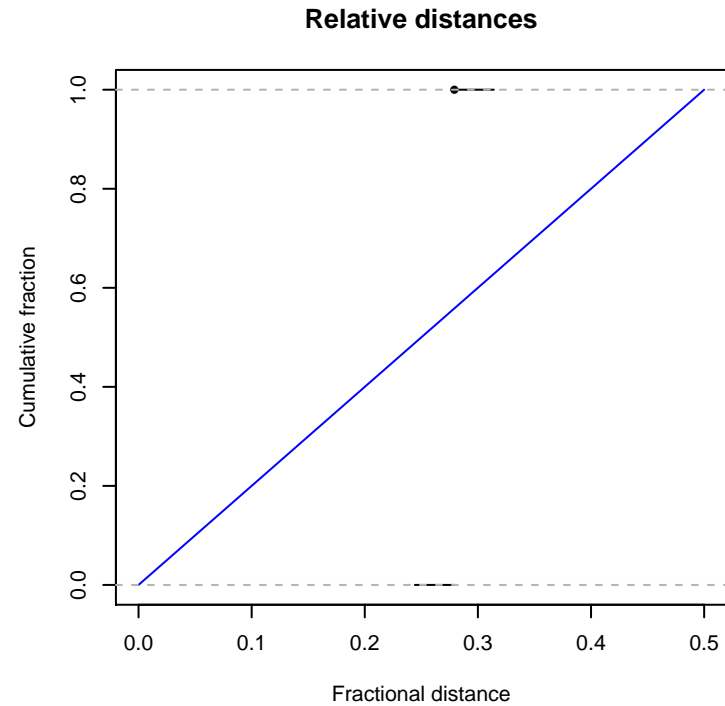
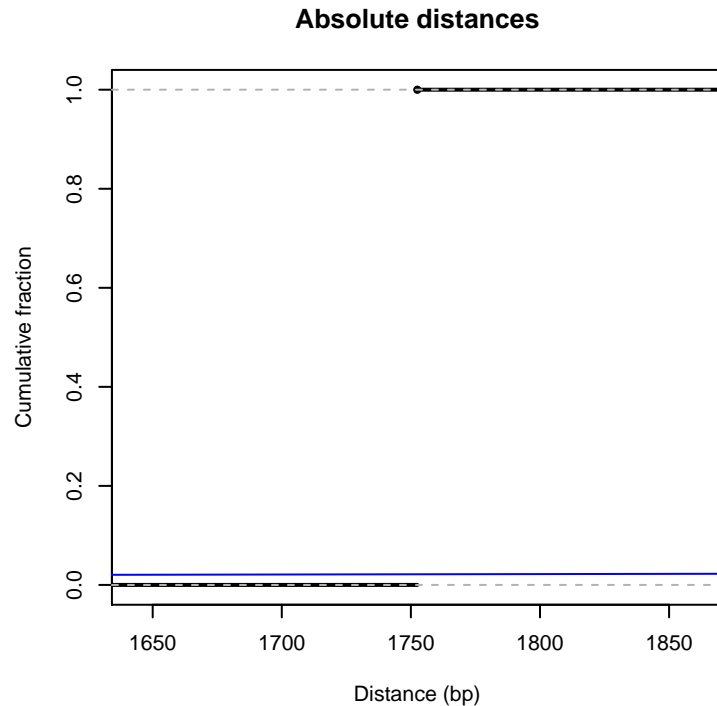
# pcontig\_112

Query population : 1  
Reference population : 18  
Relative Ks p-value : 0.00287564  
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 : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0060612  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



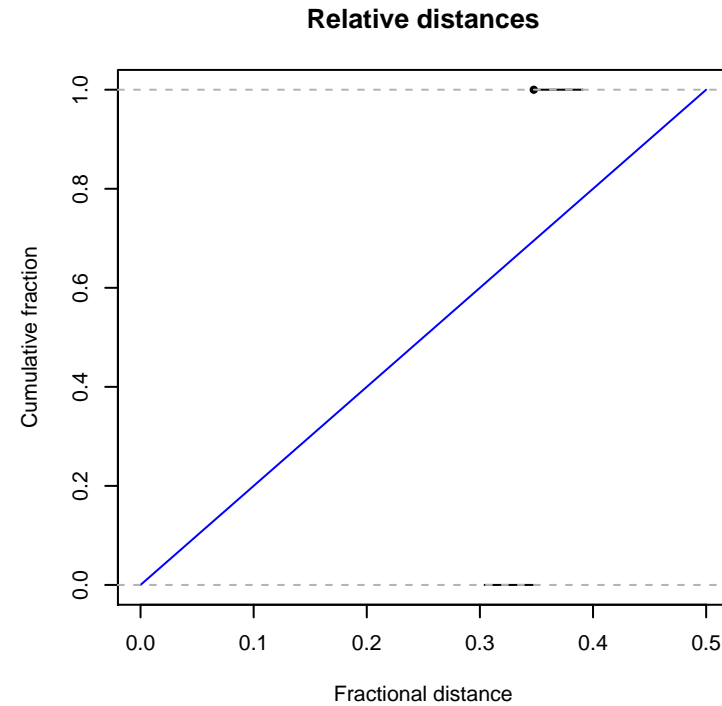
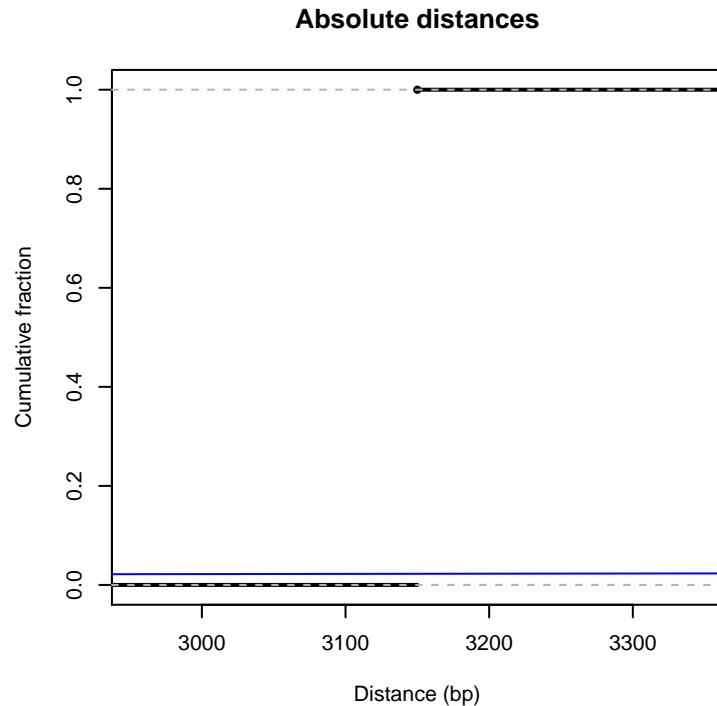
# pcontig\_115

Query population : 1  
Reference population : 26  
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 : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00797058  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



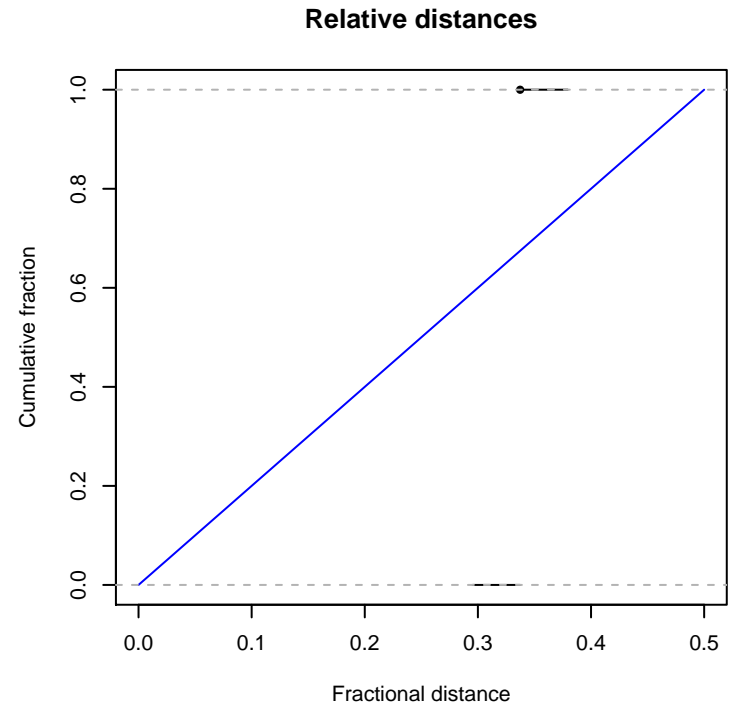
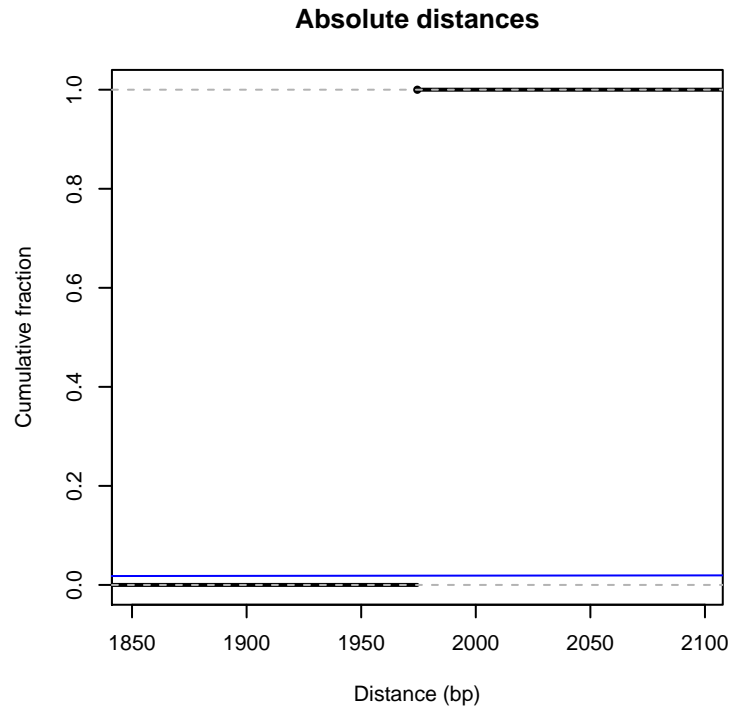
# pcontig\_120

Query population : 1  
Reference population : 18  
Relative Ks p-value : 0.609578  
Relative ecdf deviation area : 0.144178  
Relative ecdf area correlation : -0.390422  
Relative ecdf deviation area p-value : 0.58  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00608145  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



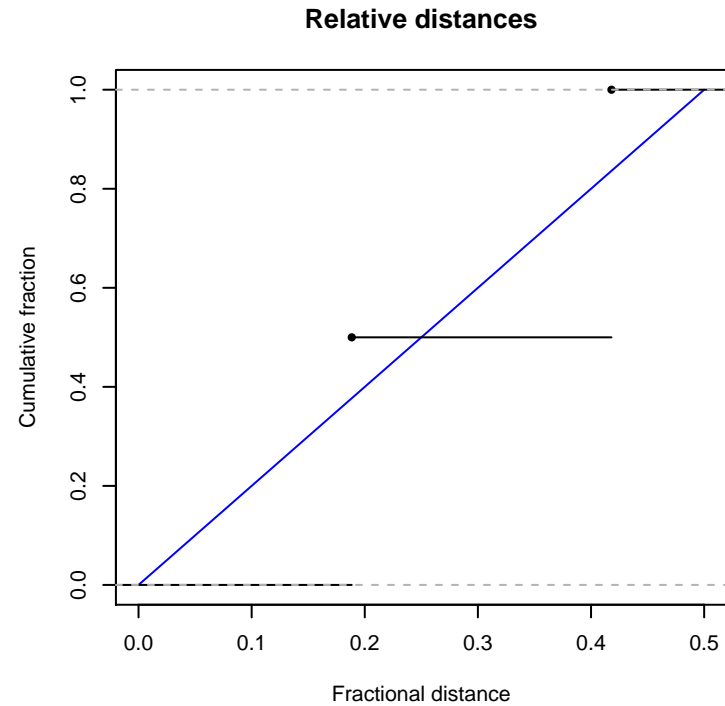
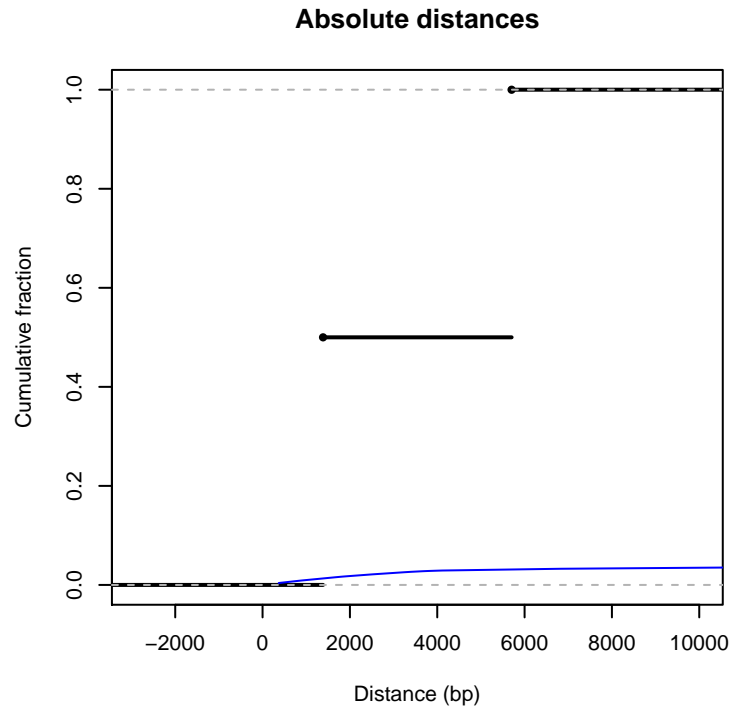
# pcontig\_129

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 : 0.68  
Scaled Absolute min. distance p-value : 0.05  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.04  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00980157  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_130

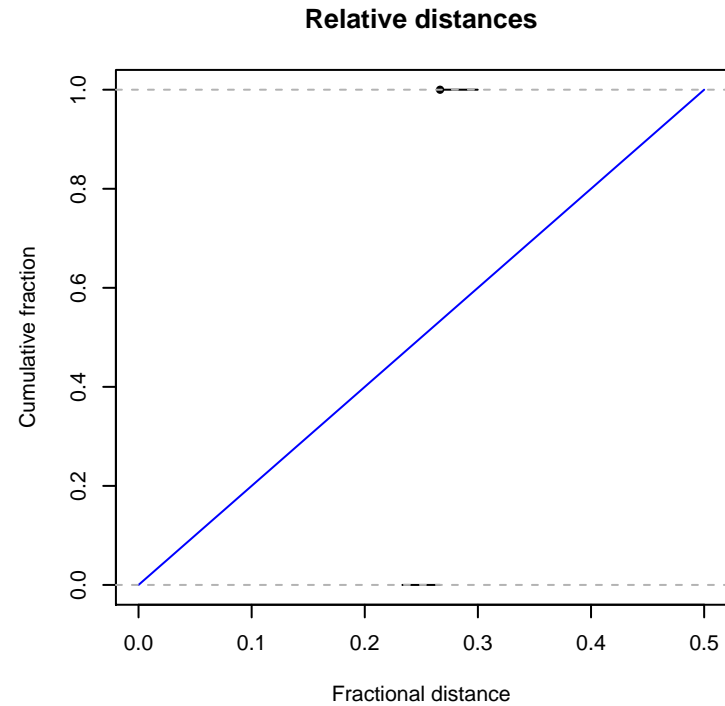
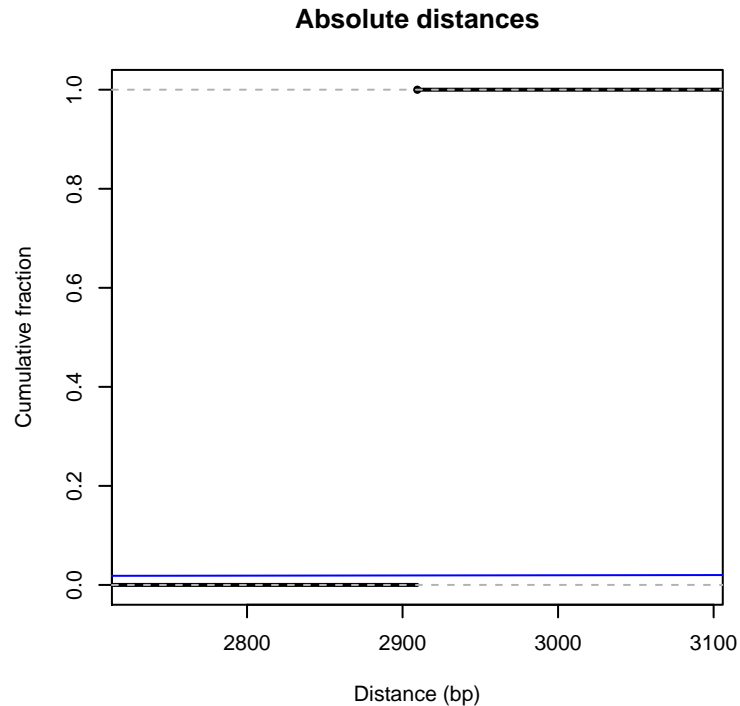
Query population : 2  
Reference population : 16  
Relative Ks p-value : 0.871006  
Relative ecdf deviation area : 0.074299  
Relative ecdf area correlation : -0.213106  
Relative ecdf deviation area p-value : 0.87  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.05  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0175725  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





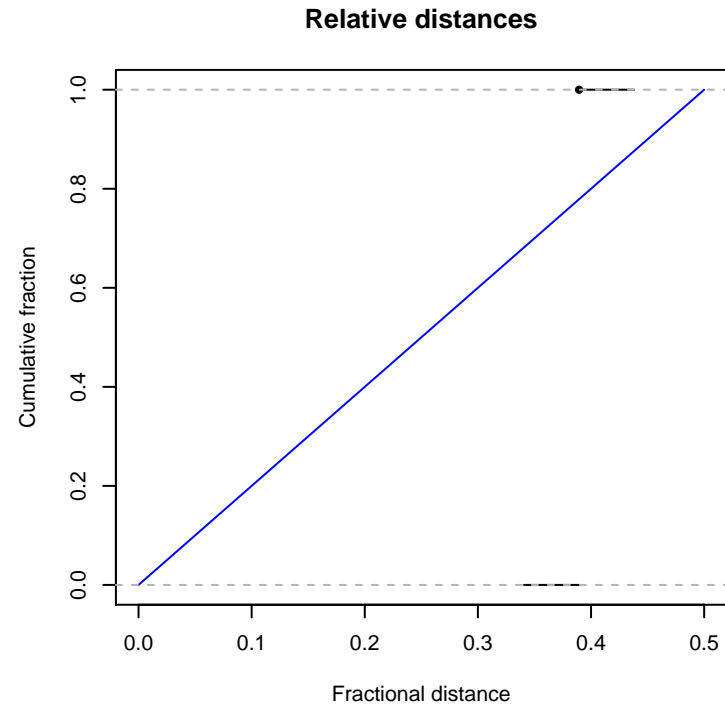
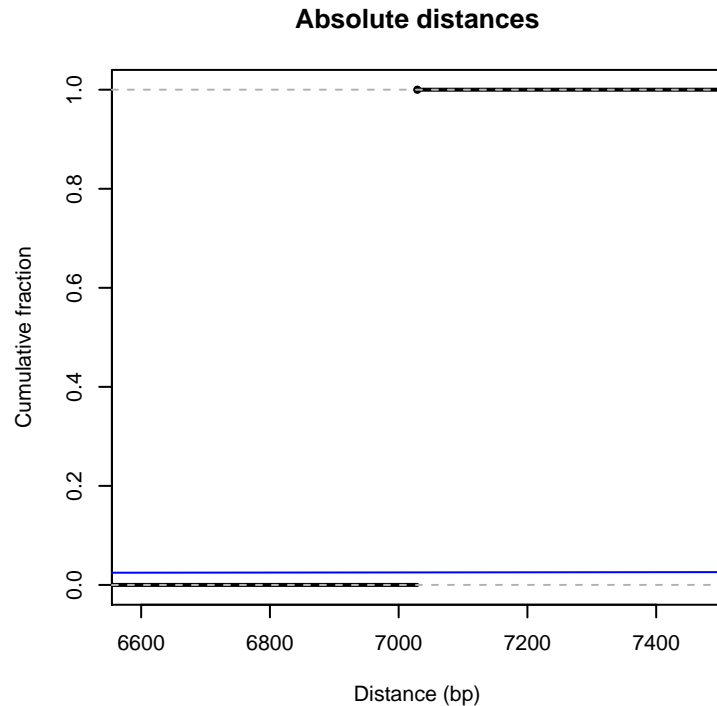
# pcontig\_138

Query population : 1  
Reference population : 16  
Relative Ks p-value : 0.933859  
Relative ecdf deviation area : 0.125551  
Relative ecdf area correlation : -0.0661414  
Relative ecdf deviation area p-value : 0.93  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00636457  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



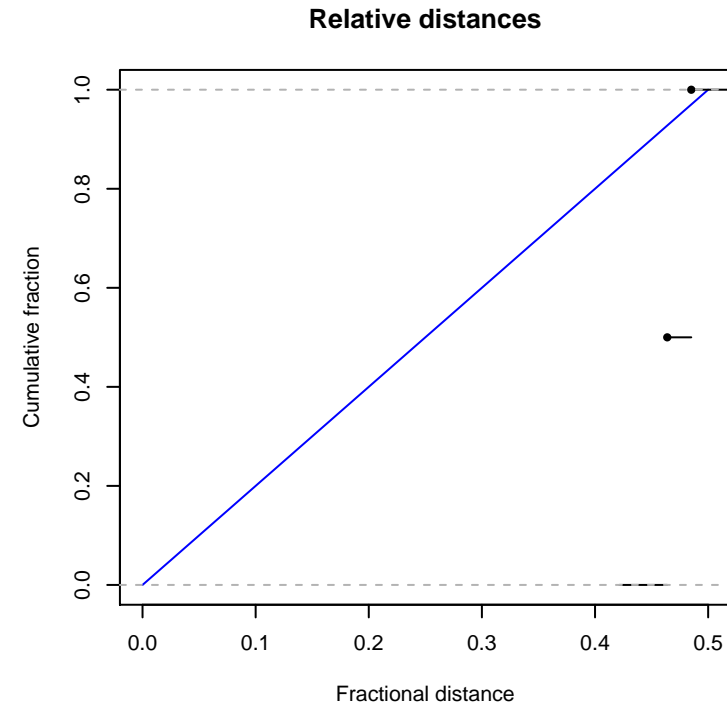
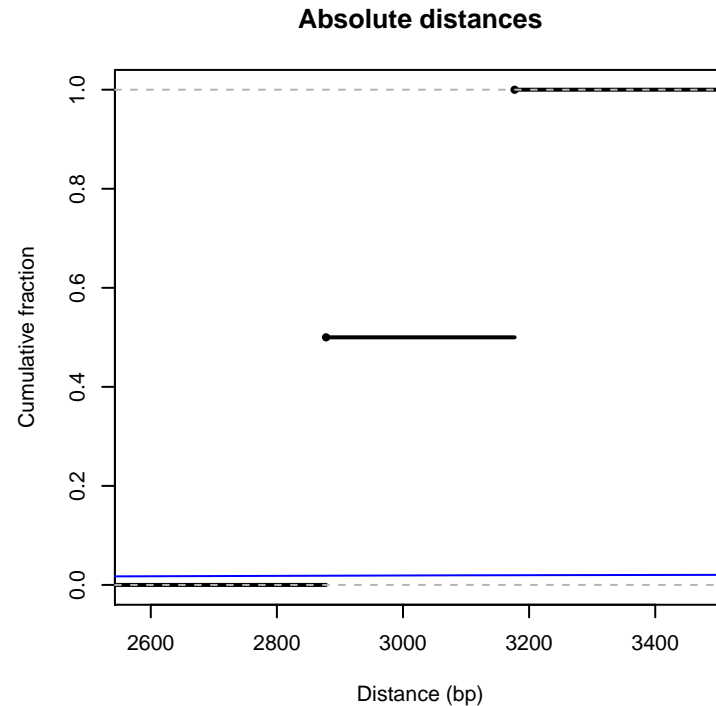
# pcontig\_147

Query population : 1  
Reference population : 13  
Relative Ks p-value : 0.442327  
Relative ecdf deviation area : 0.163896  
Relative ecdf area correlation : -0.557673  
Relative ecdf deviation area p-value : 0.51  
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 : 0.00919255  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



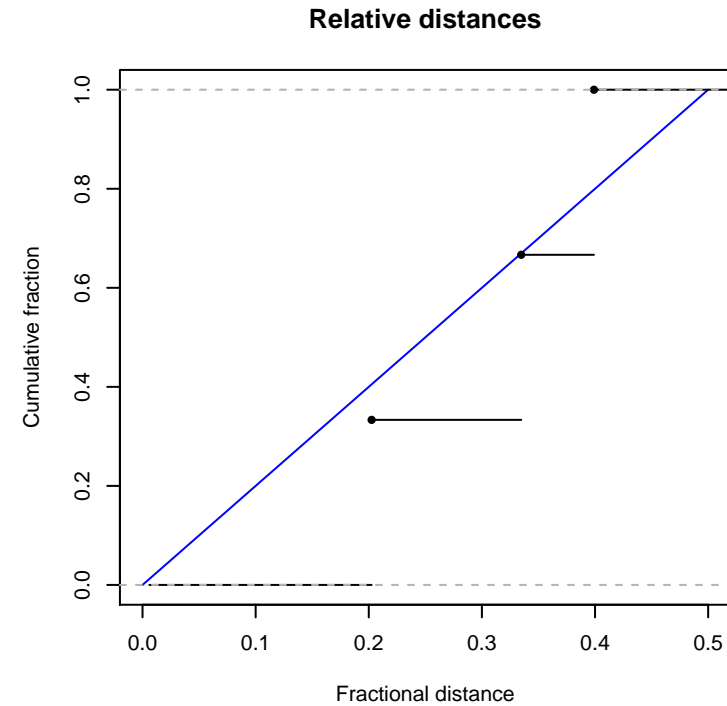
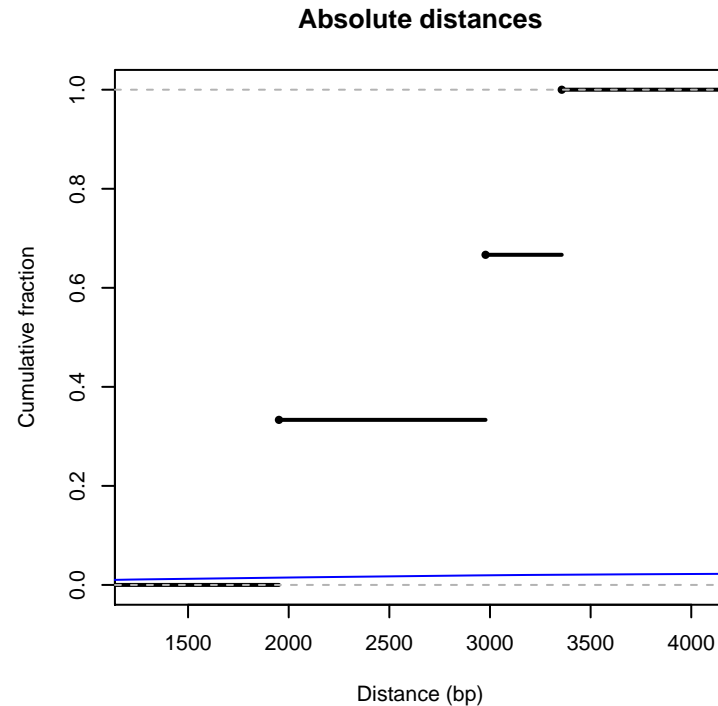
# pcontig\_148

Query population : 2  
Reference population : 13  
Relative Ks p-value : 0.0104506  
Relative ecdf deviation area : 0.225303  
Relative ecdf area correlation : -0.897864  
Relative ecdf deviation area p-value : <0.01  
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 : 0.0192781  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



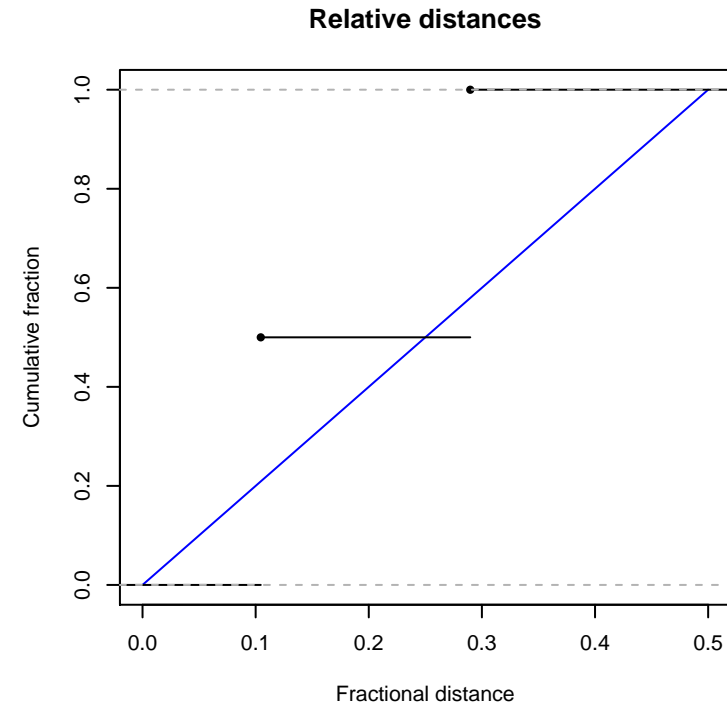
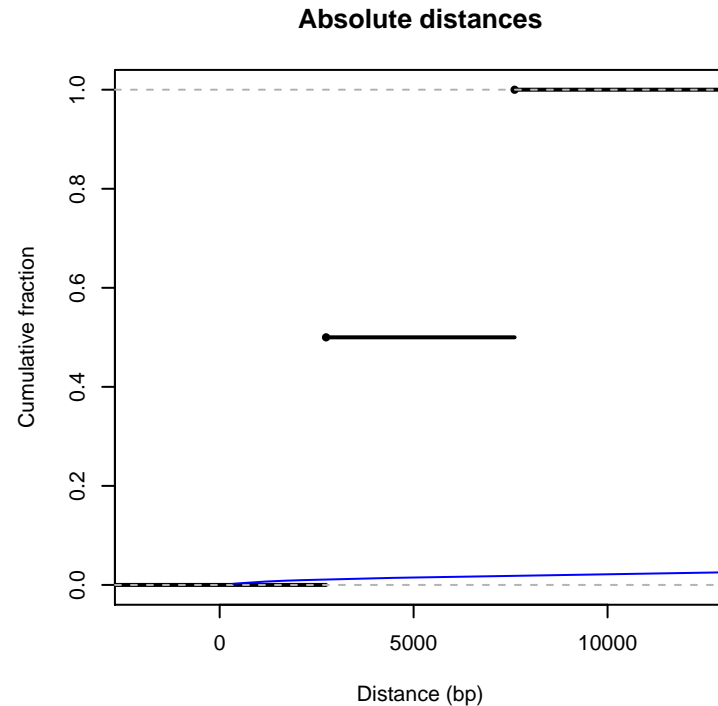
# pcontig\_149

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 : 0.53  
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



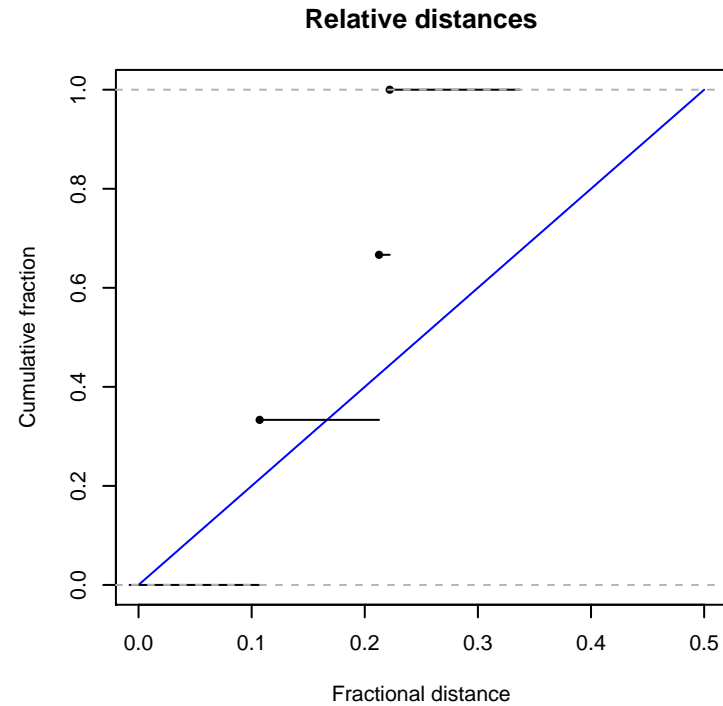
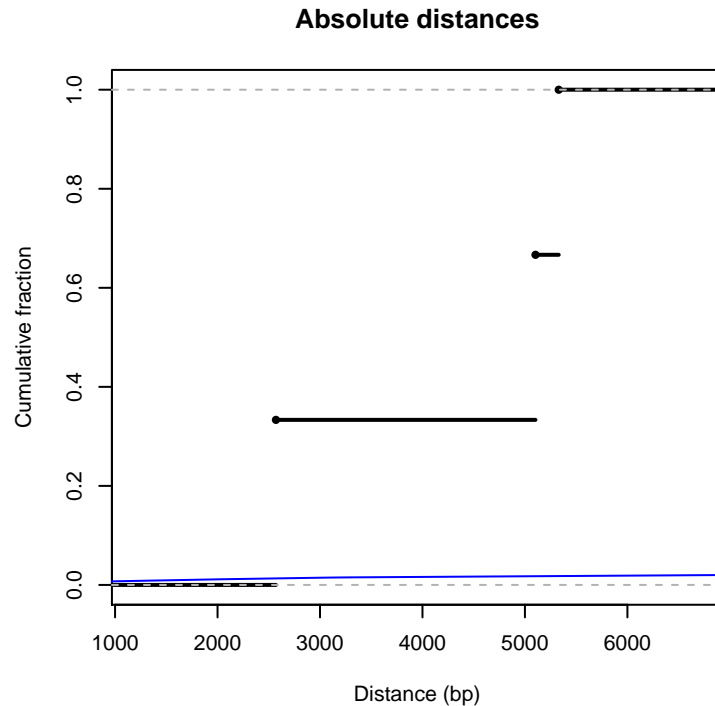
# pcontig\_150

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 : 0.86  
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 : 0.00604779  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



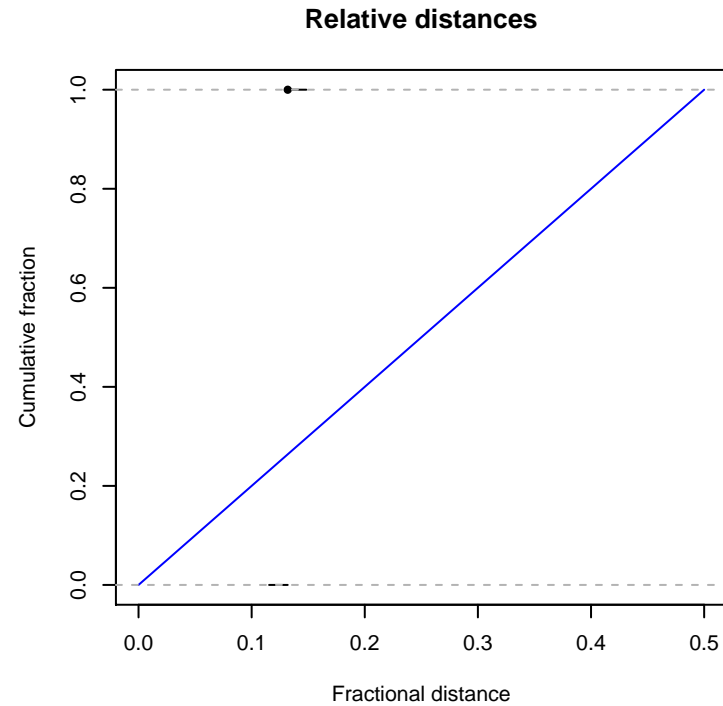
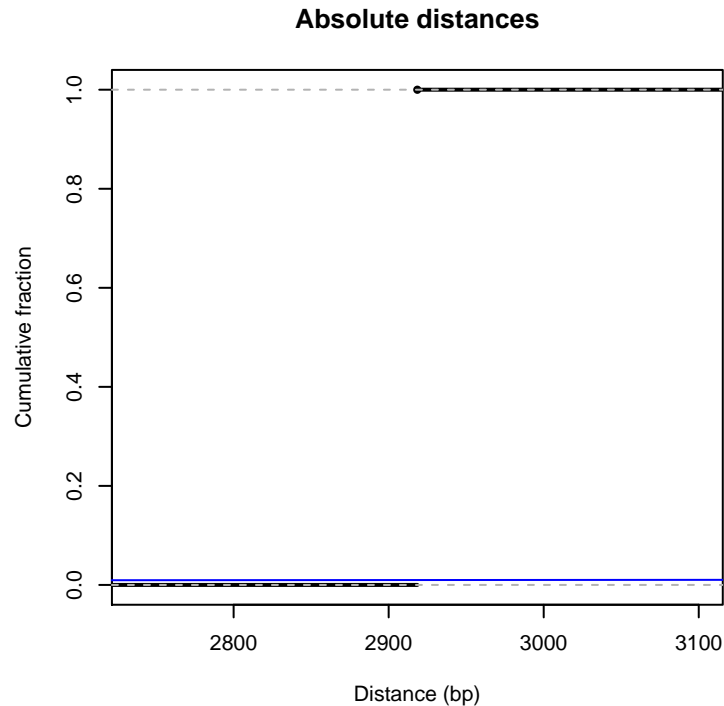
# pcontig\_157

Query population : 3  
Reference population : 12  
Relative Ks p-value : 0.216119  
Relative ecdf deviation area : 0.0965519  
Relative ecdf area correlation : 0.277701  
Relative ecdf deviation area p-value : 0.38  
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 : 0.0142157  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



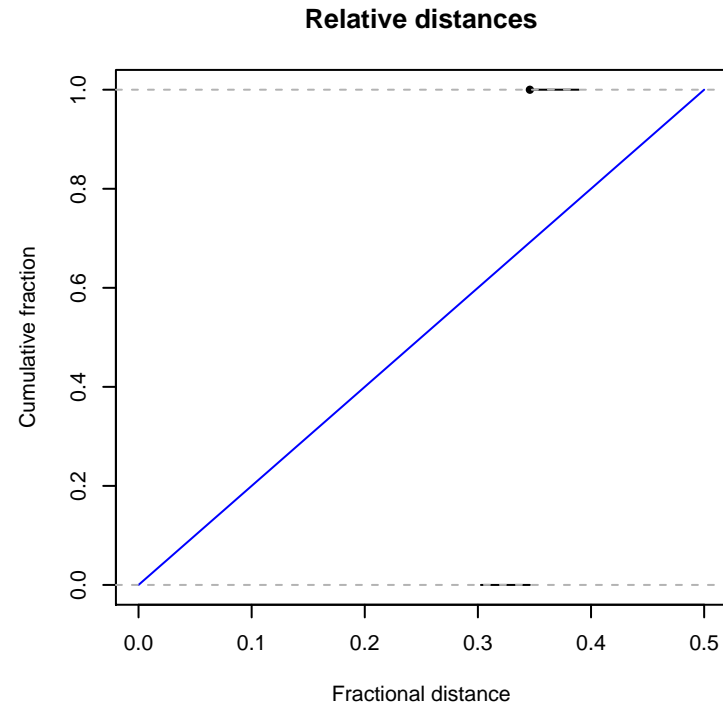
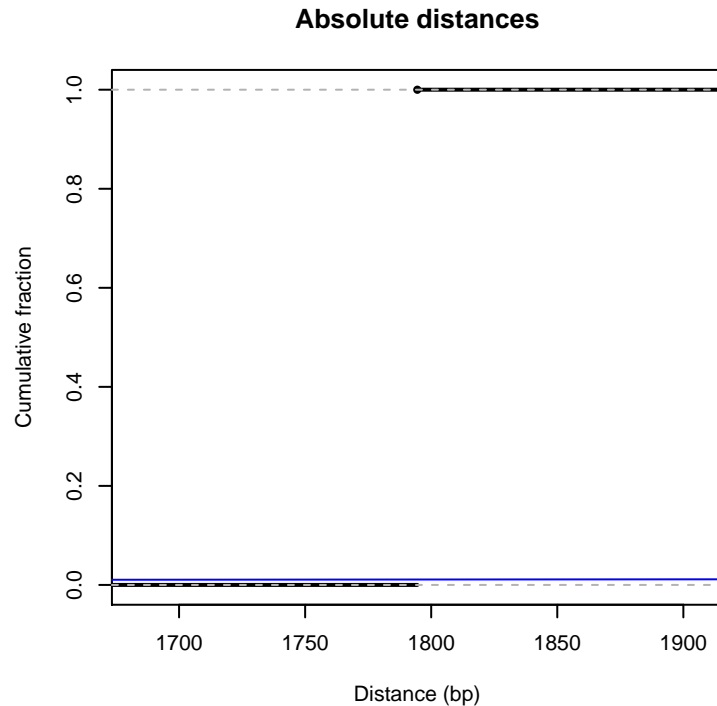
# pcontig\_165

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 : 0.57  
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 : 0.00288055  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_170

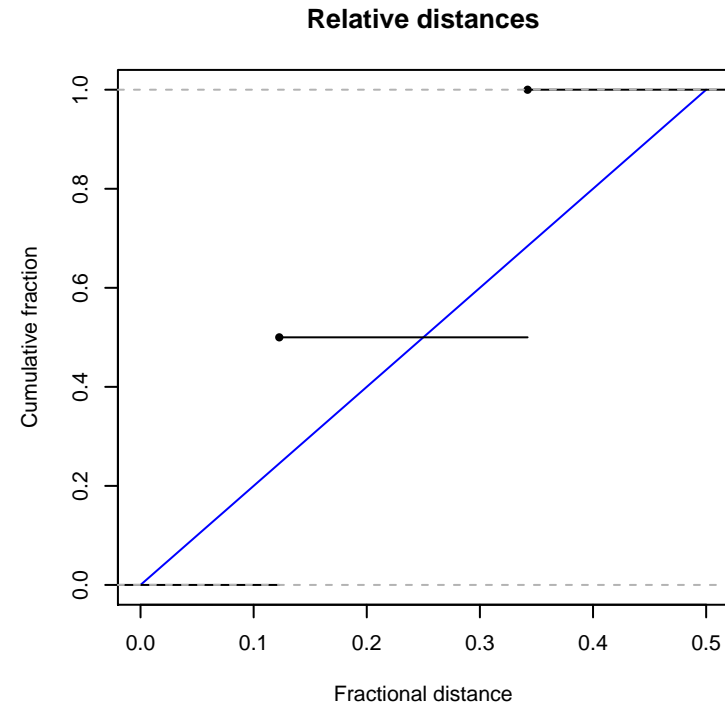
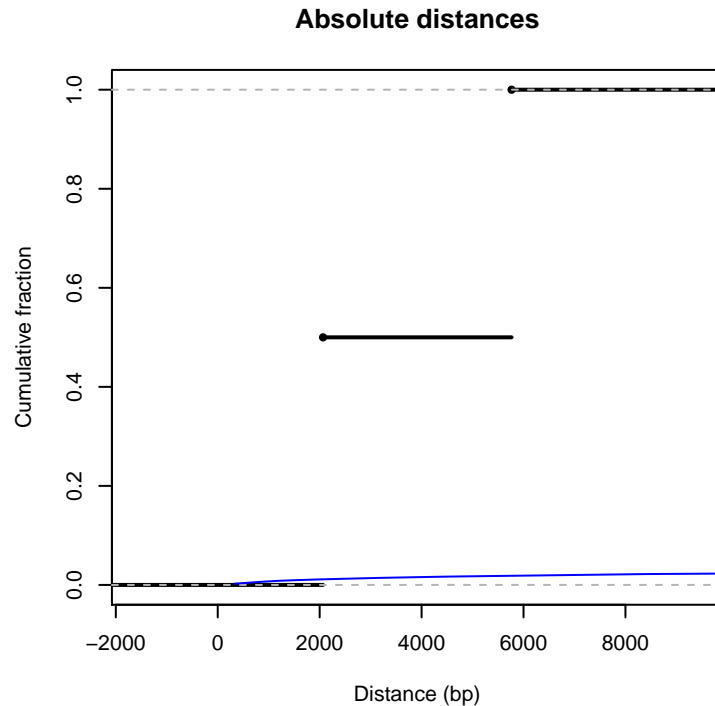
Query population : 1  
Reference population : 13  
Relative Ks p-value : 0.616289  
Relative ecdf deviation area : 0.143612  
Relative ecdf area correlation : -0.383711  
Relative ecdf deviation area p-value : 0.63  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00375801  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





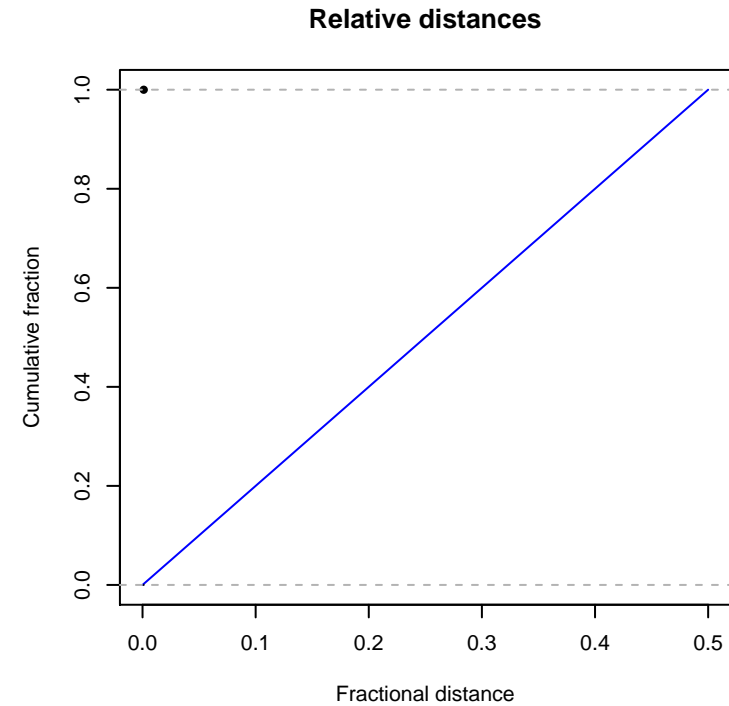
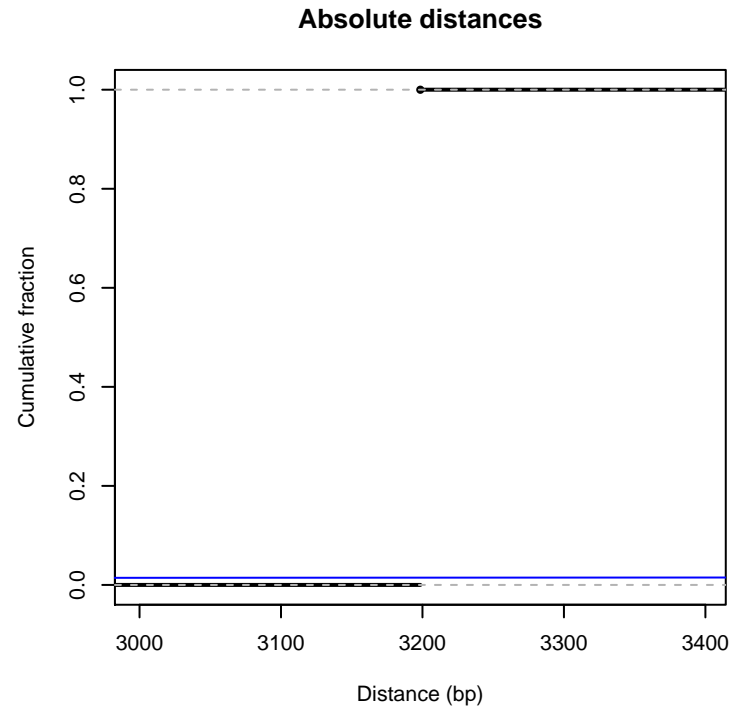
# pcontig\_173

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 : 0.97  
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 : 0.00788704  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



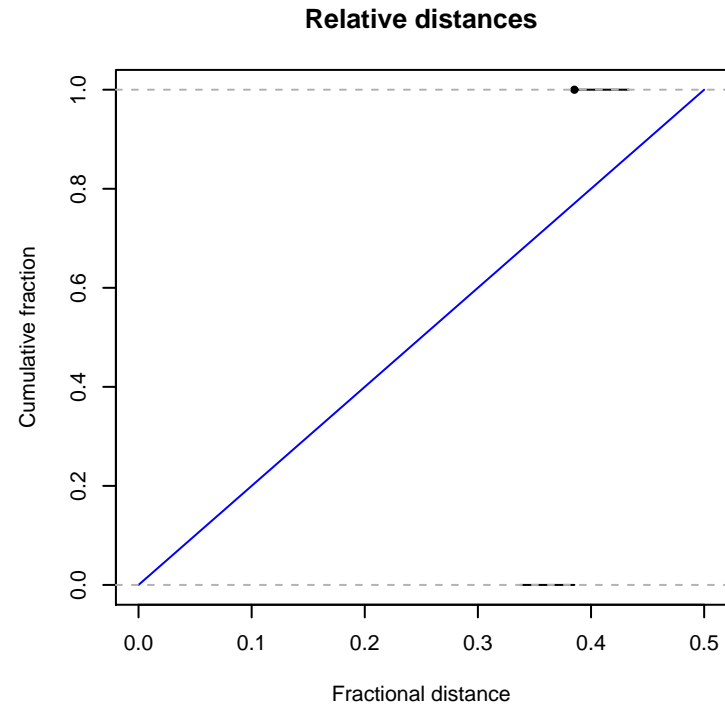
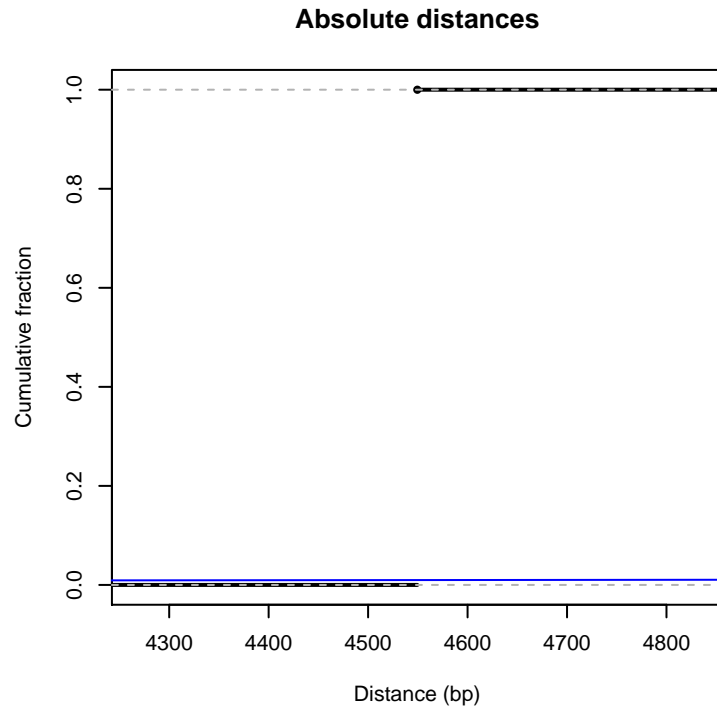
# pcontig\_174

Query population : 1  
Reference population : 12  
Relative Ks p-value : 0.00424151  
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 : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00706014  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



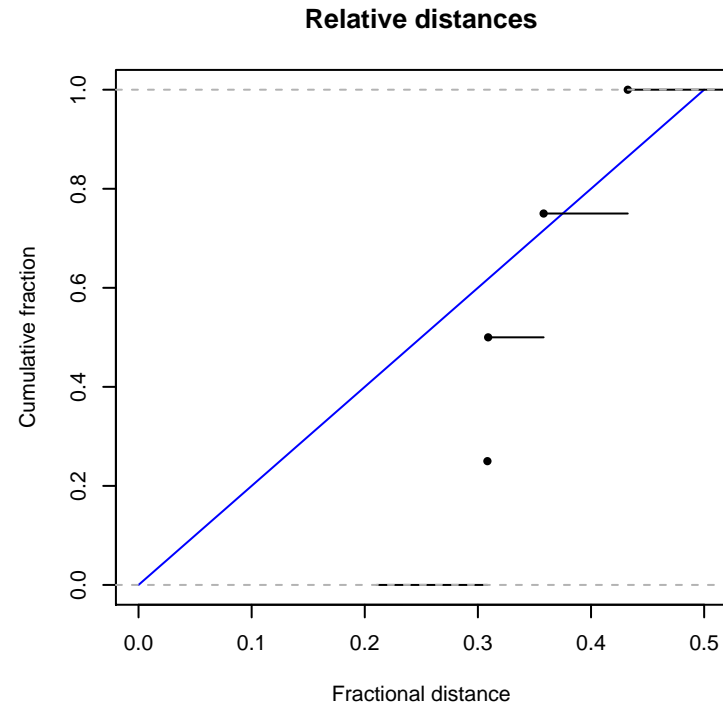
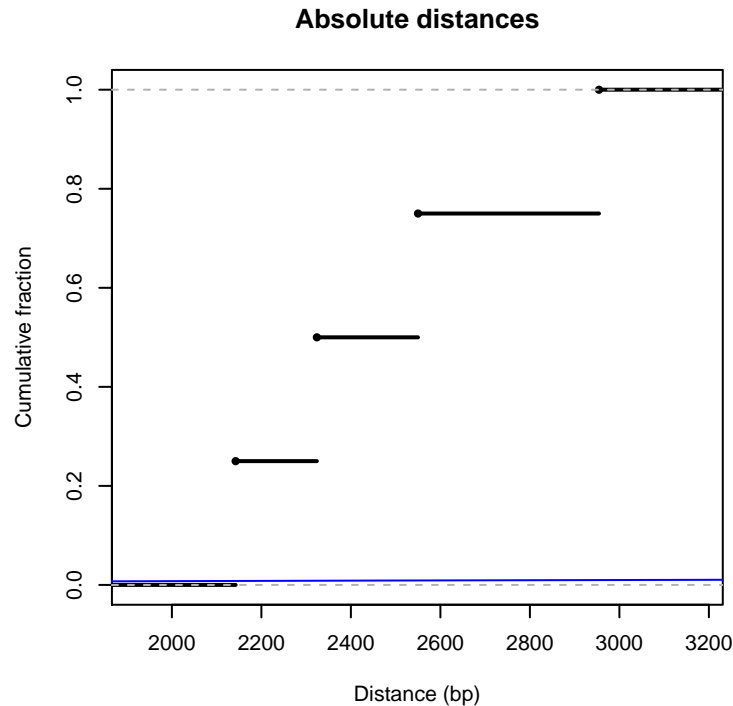
# pcontig\_181

Query population : 1  
Reference population : 5  
Relative Ks p-value : 0.458841  
Relative ecdf deviation area : 0.161405  
Relative ecdf area correlation : -0.541159  
Relative ecdf deviation area p-value : 0.58  
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 : 0.00217715  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



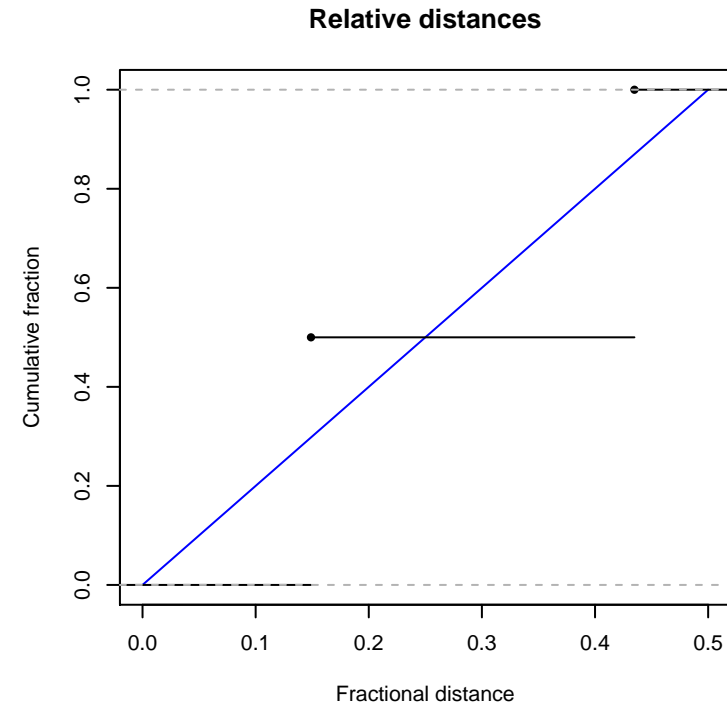
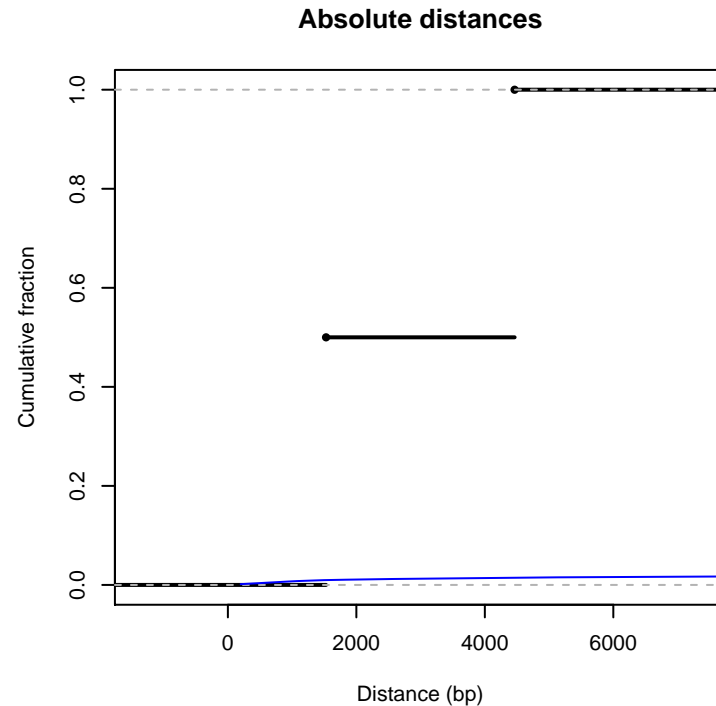
# pcontig\_186

Query population : 4  
Reference population : 7  
Relative Ks p-value : 0.054777  
Relative ecdf deviation area : 0.112277  
Relative ecdf area correlation : -0.408057  
Relative ecdf deviation area p-value : 0.14  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0199595  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



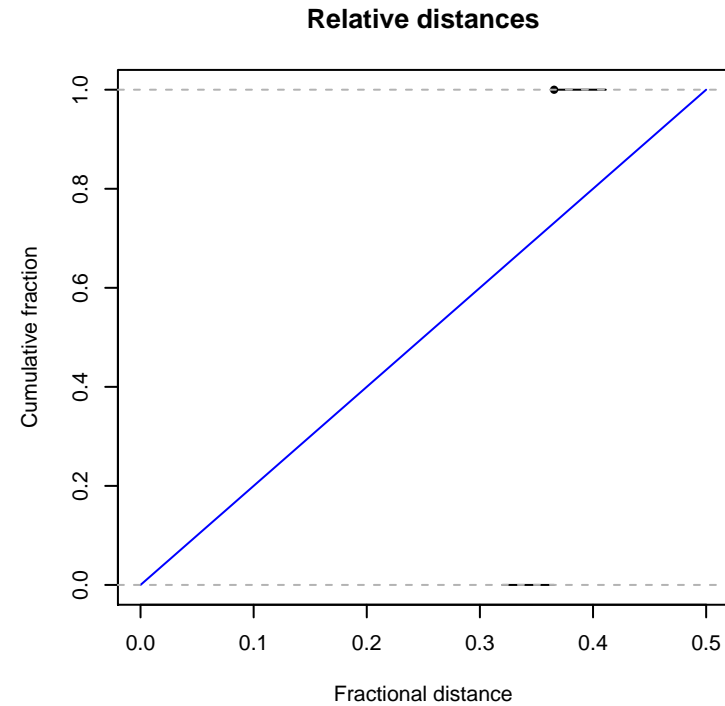
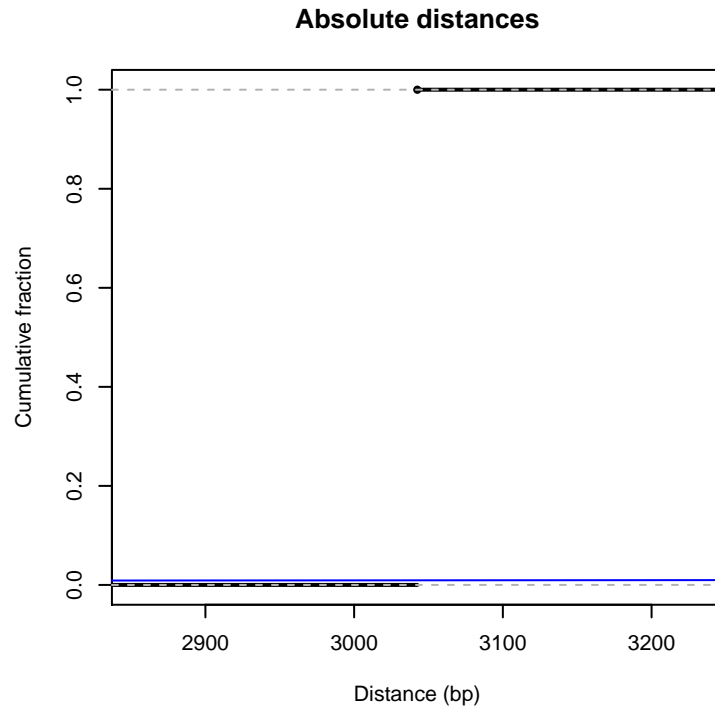
# pcontig\_188

Query population : 2  
Reference population : 12  
Relative Ks p-value : 0.885463  
Relative ecdf deviation area : 0.0707348  
Relative ecdf area correlation : -0.167462  
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 : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0135788  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



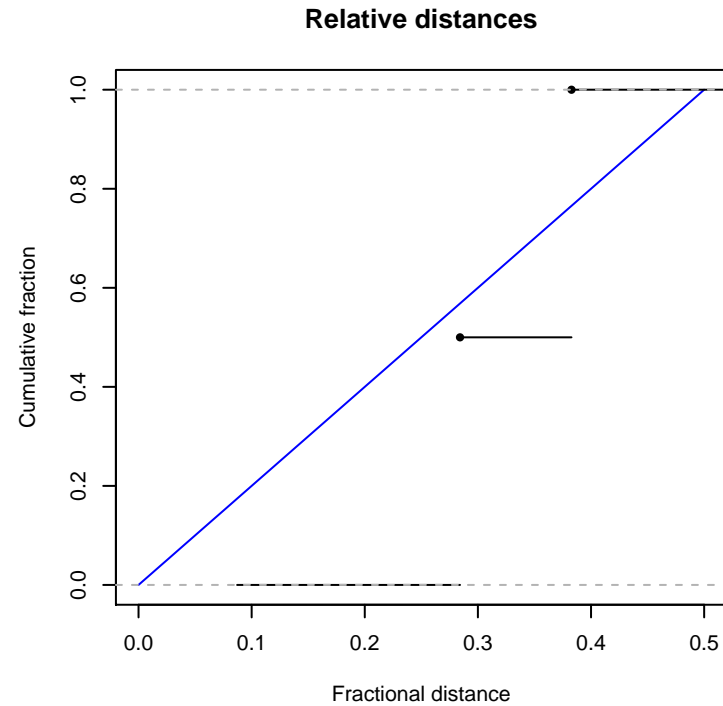
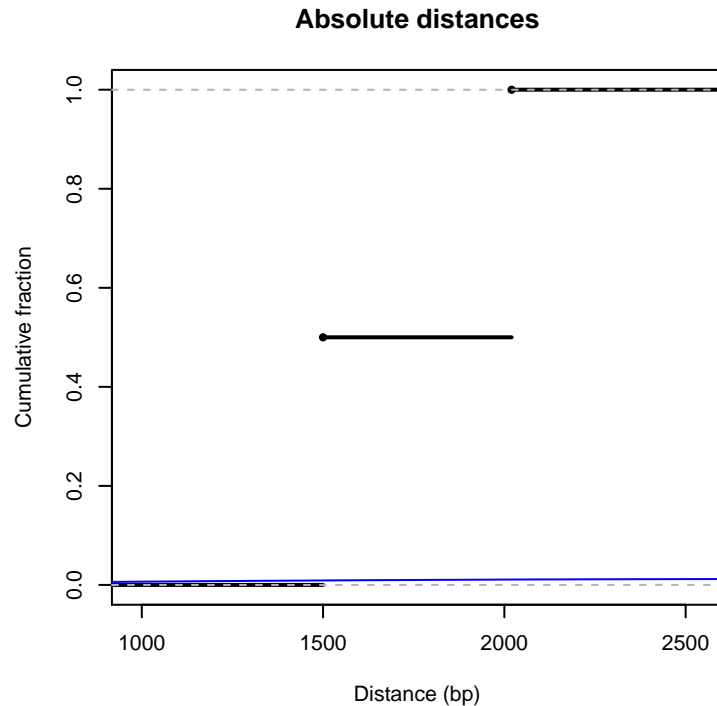
# pcontig\_189

Query population : 1  
Reference population : 7  
Relative Ks p-value : 0.537611  
Relative ecdf deviation area : 0.152213  
Relative ecdf area correlation : -0.462389  
Relative ecdf deviation area p-value : 0.47  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00459203  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



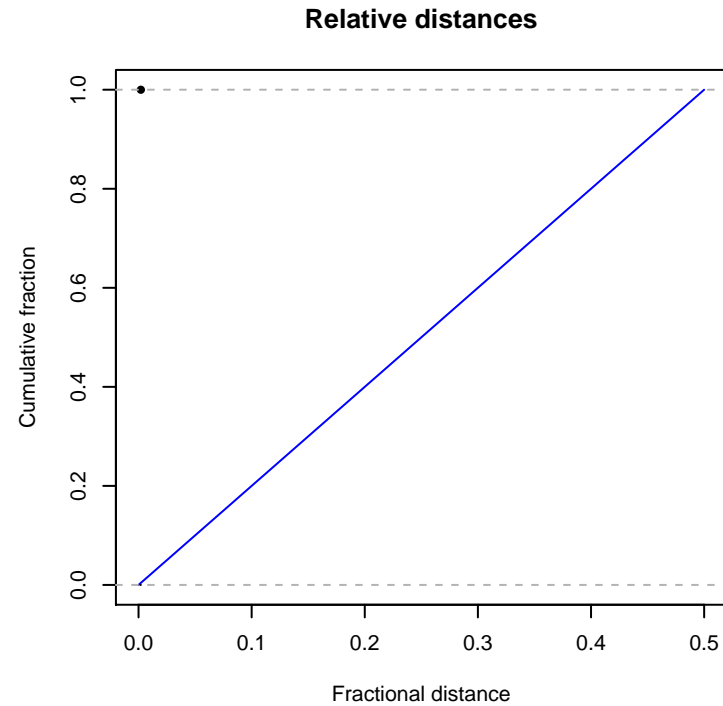
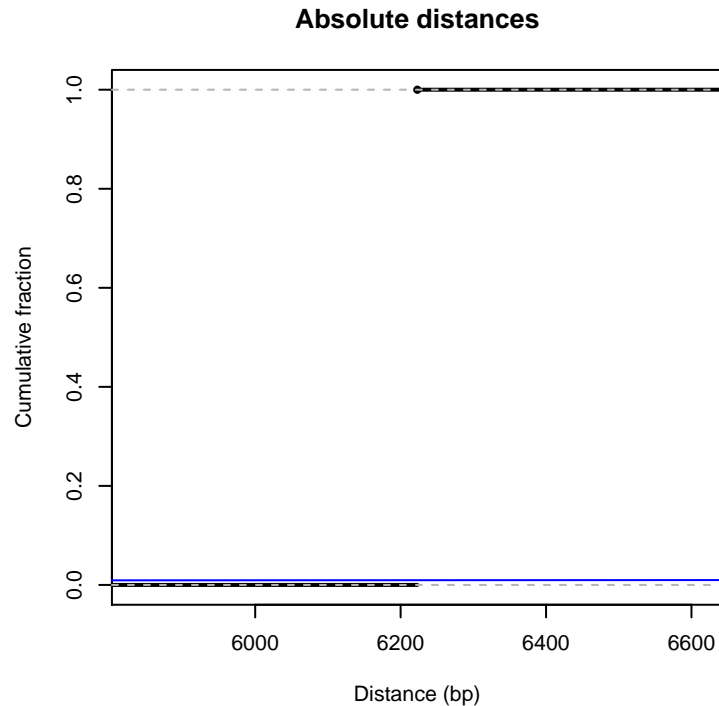
# pcontig\_203

Query population : 2  
Reference population : 11  
Relative Ks p-value : 0.372562  
Relative ecdf deviation area : 0.110872  
Relative ecdf area correlation : -0.333839  
Relative ecdf deviation area p-value : 0.49  
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 : 0.011202  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_207

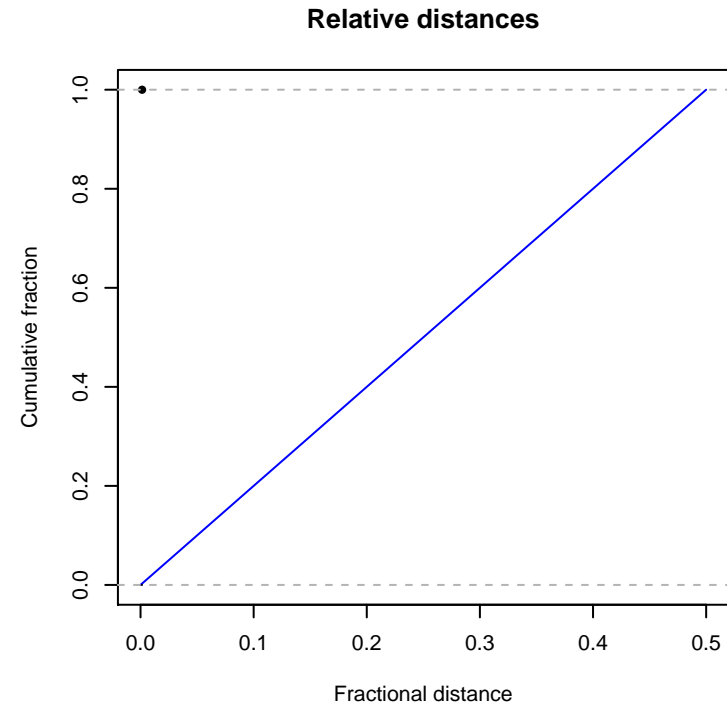
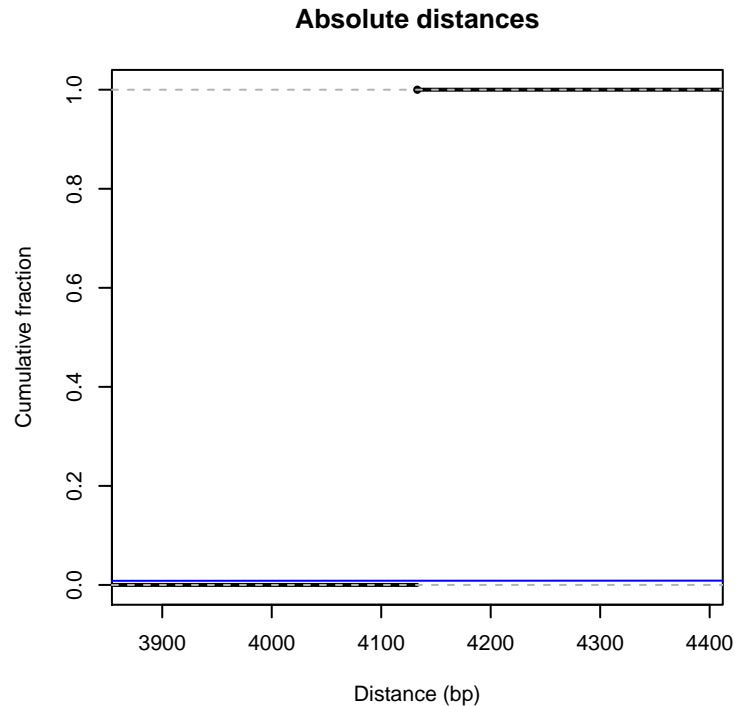
Query population : 1  
Reference population : 6  
Relative Ks p-value : 0.00817361  
Relative ecdf deviation area : 0.248621  
Relative ecdf area correlation : 0.991826  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
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





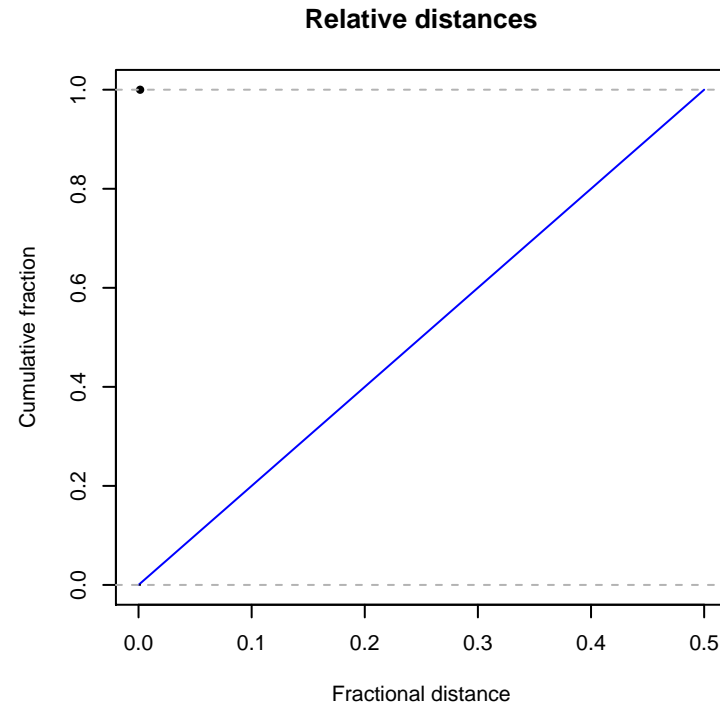
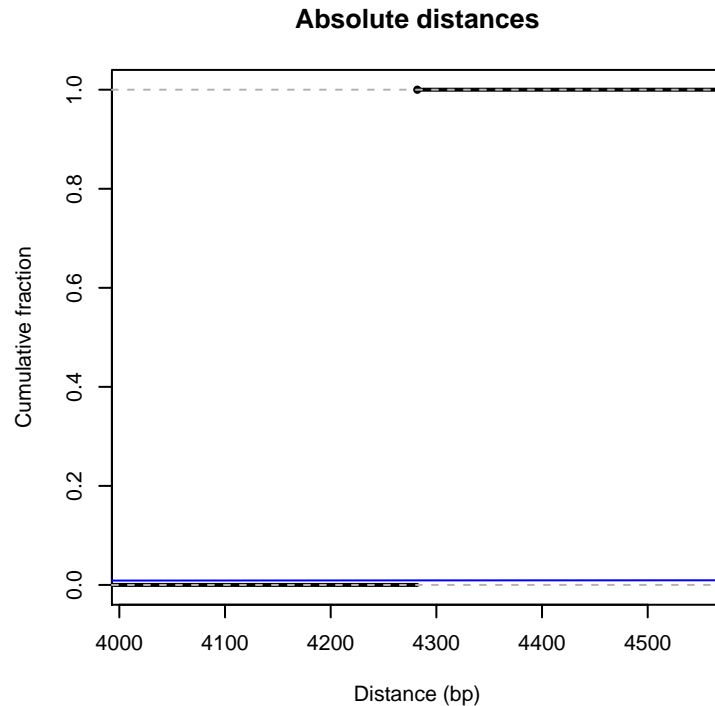
# pcontig\_233

Query population : 1  
Reference population : 5  
Relative Ks p-value : 0.00543007  
Relative ecdf deviation area : 0.24927  
Relative ecdf area correlation : 0.99457  
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 : 0.00382397  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# 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 : 1574  
Reference population : 14085  
Relative Ks p-value : 0  
Relative ecdf deviation area : 0.0691327  
Relative ecdf area correlation : -0.276497  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 3.79949e-46  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0

