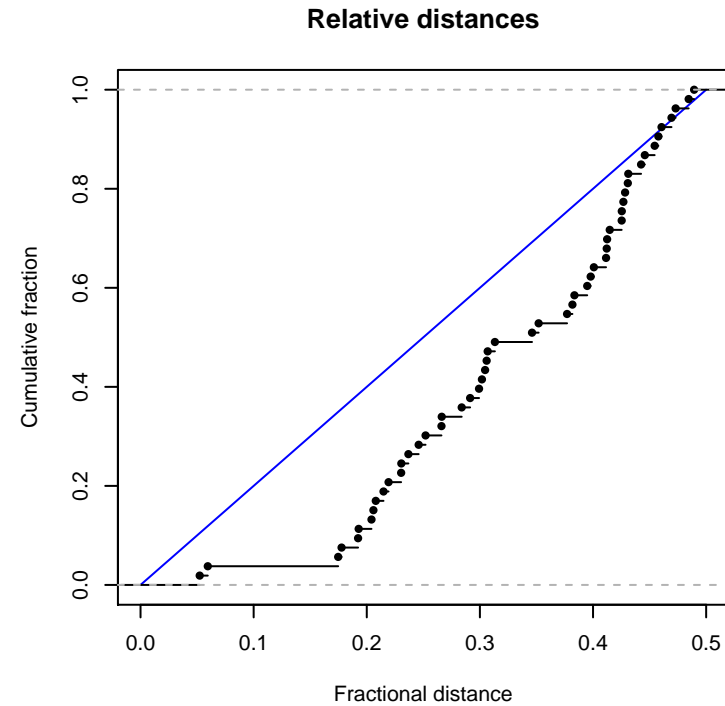
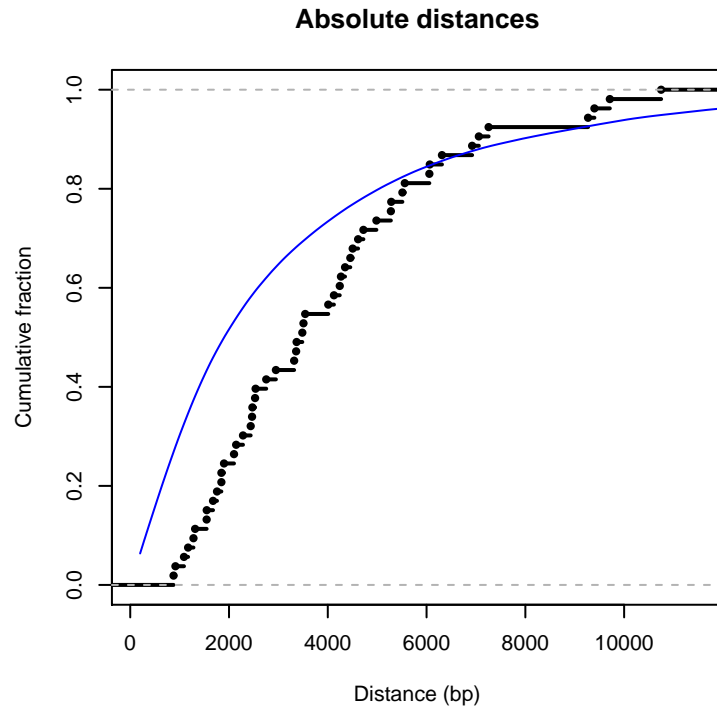


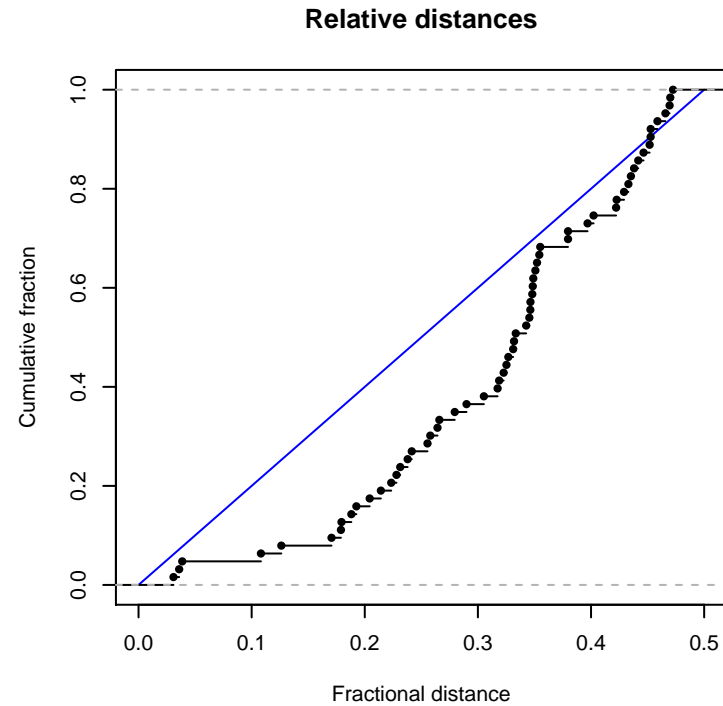
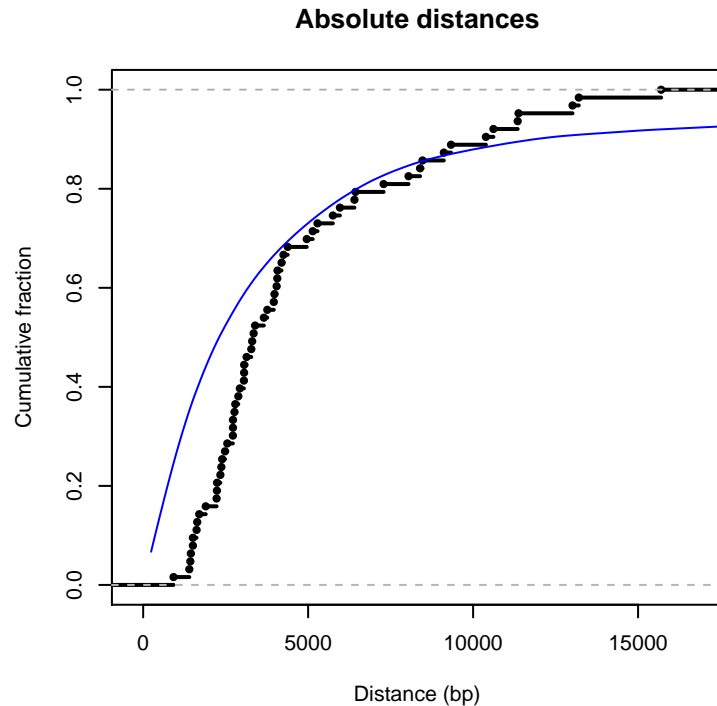
# pcontig\_000

Query population : 53  
Reference population : 487  
Relative Ks p-value : 4.49992e-05  
Relative ecdf deviation area : 0.0800566  
Relative ecdf area correlation : -0.3182  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.16  
Scaled Absolute min. lower tail : FALSE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 5.86392e-07  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



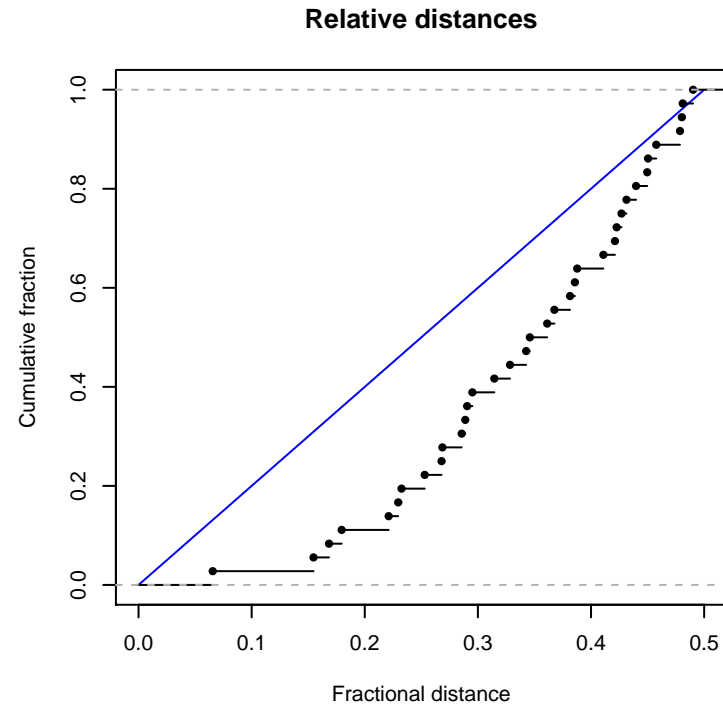
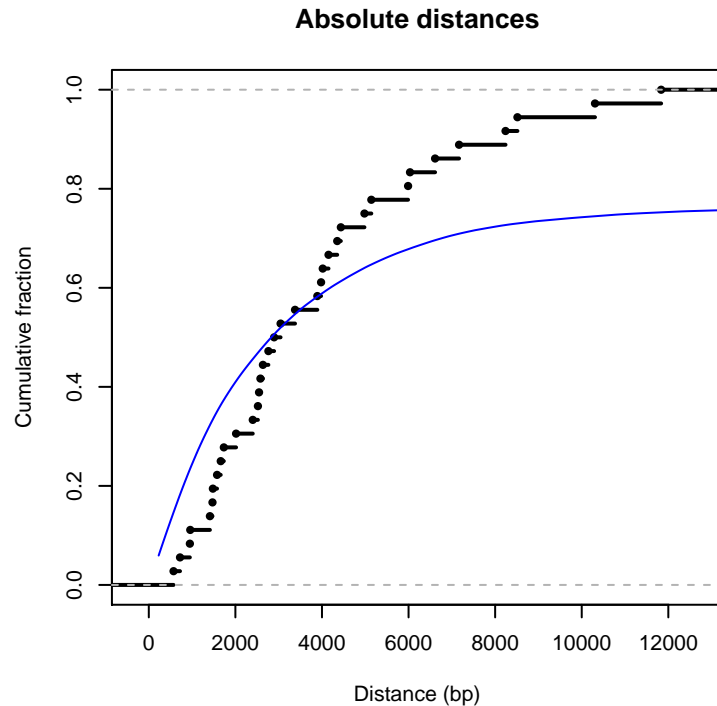
# pcontig\_001

Query population : 63  
Reference population : 427  
Relative Ks p-value : 0.000253376  
Relative ecdf deviation area : 0.0683088  
Relative ecdf area correlation : -0.264499  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.11  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 4.83285e-07  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



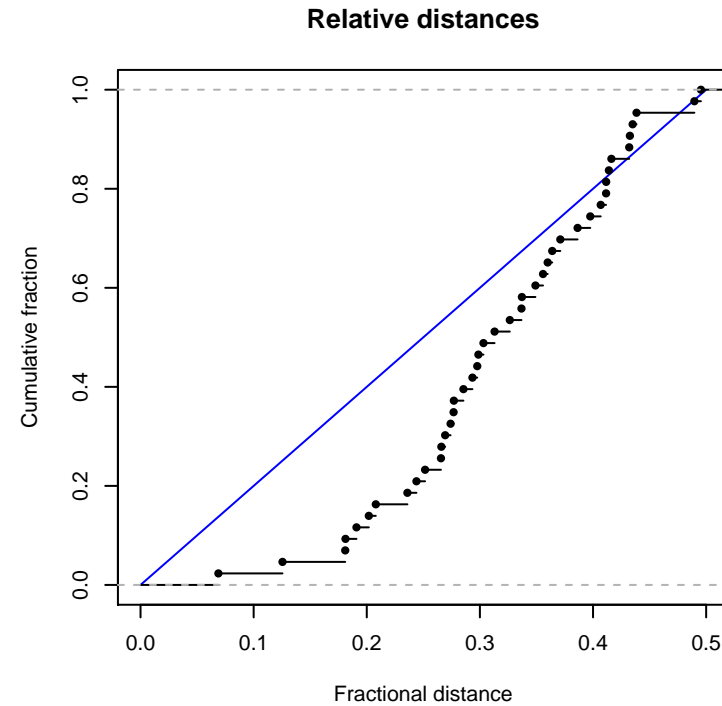
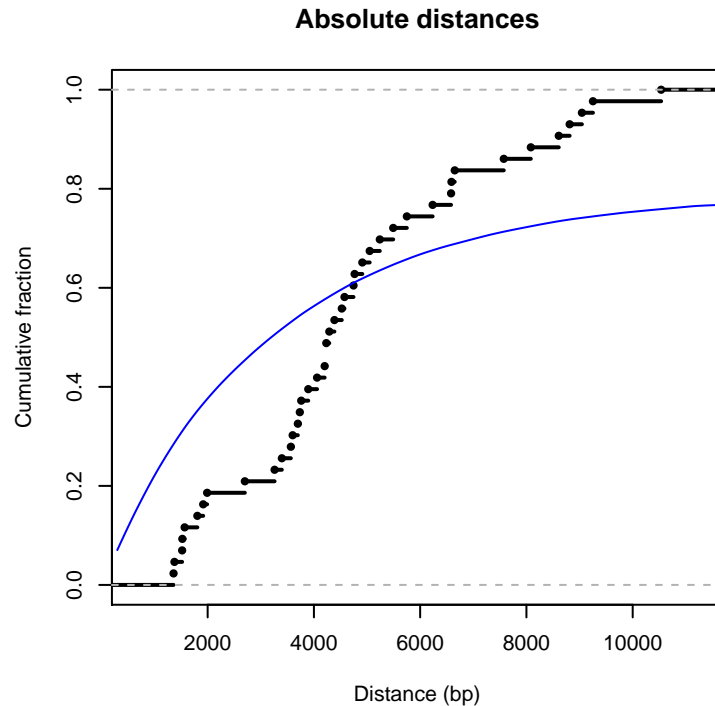
# pcontig\_002

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



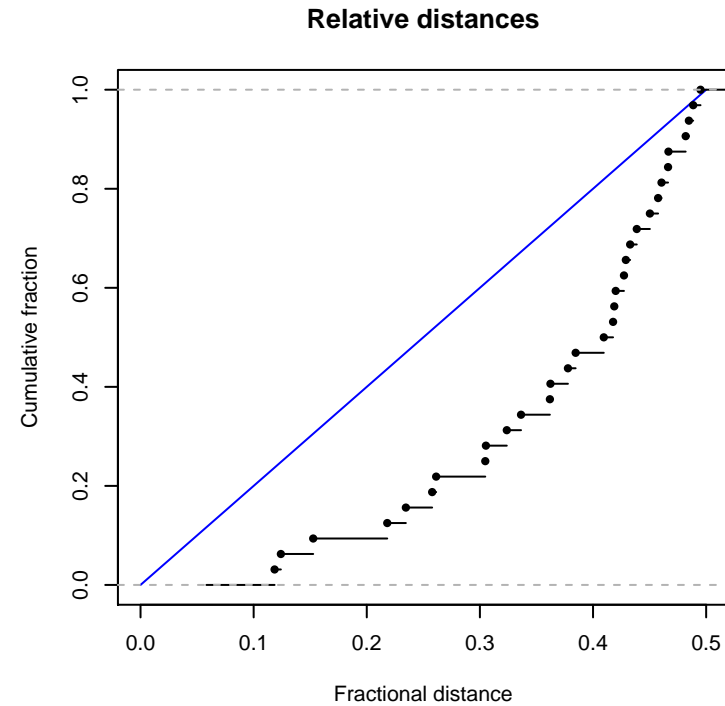
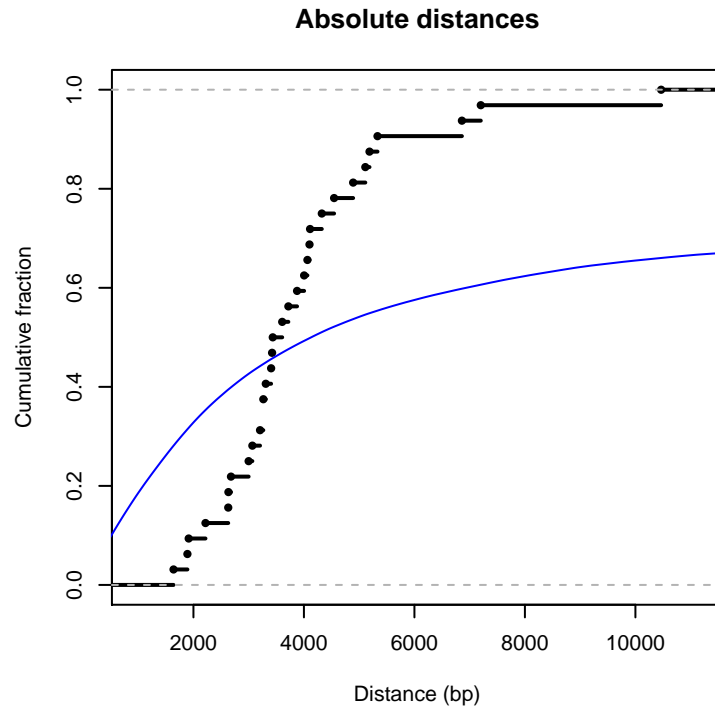
# pcontig\_003

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



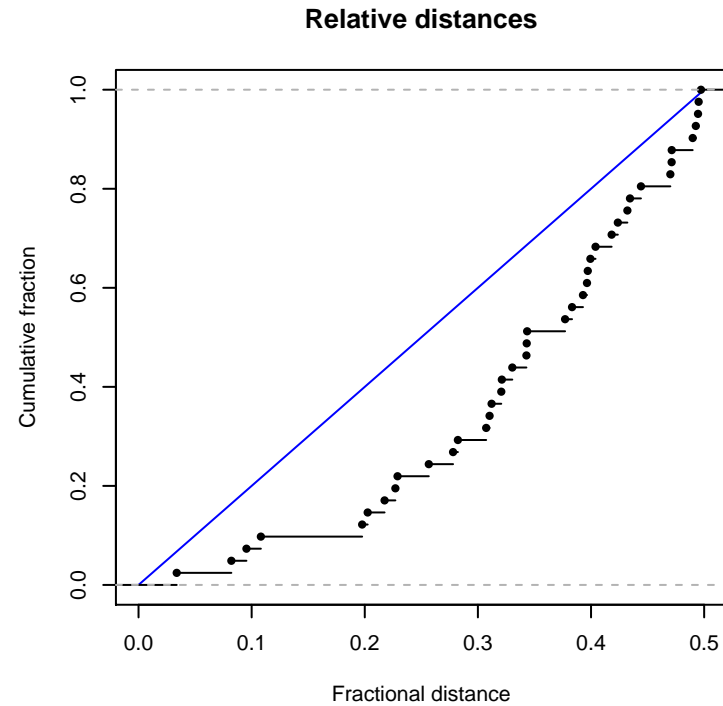
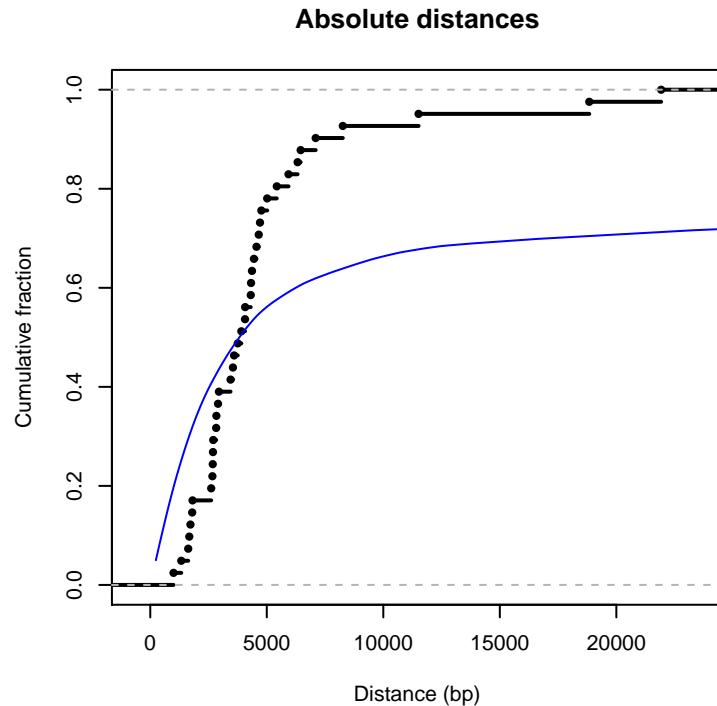
# pcontig\_004

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



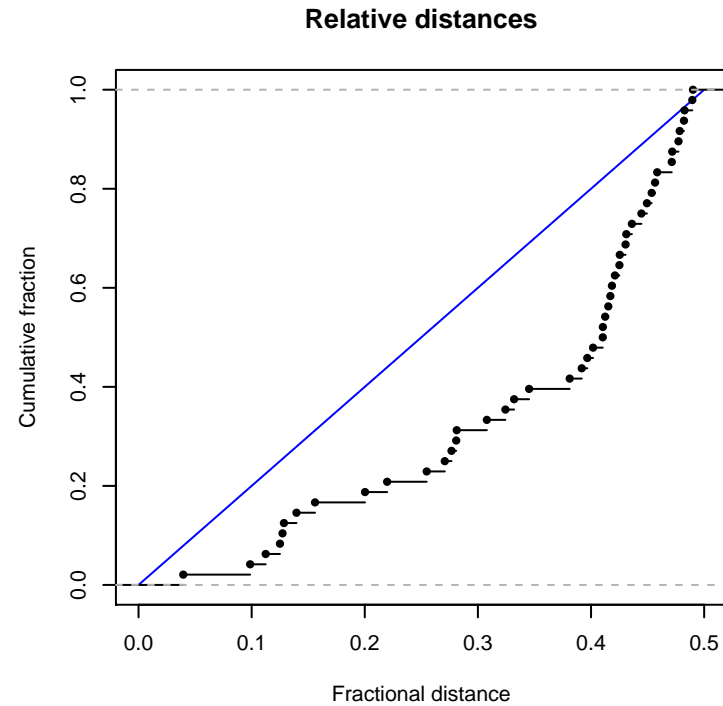
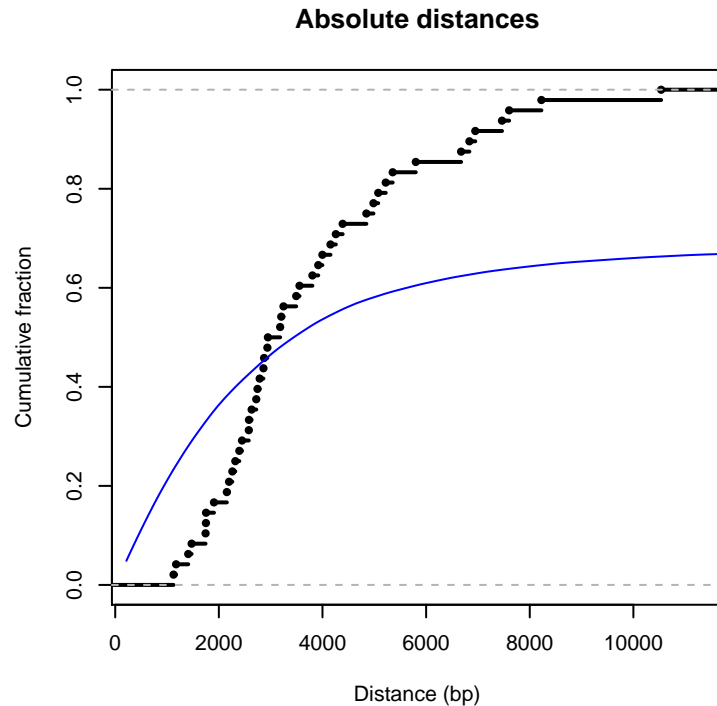
# pcontig\_005

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



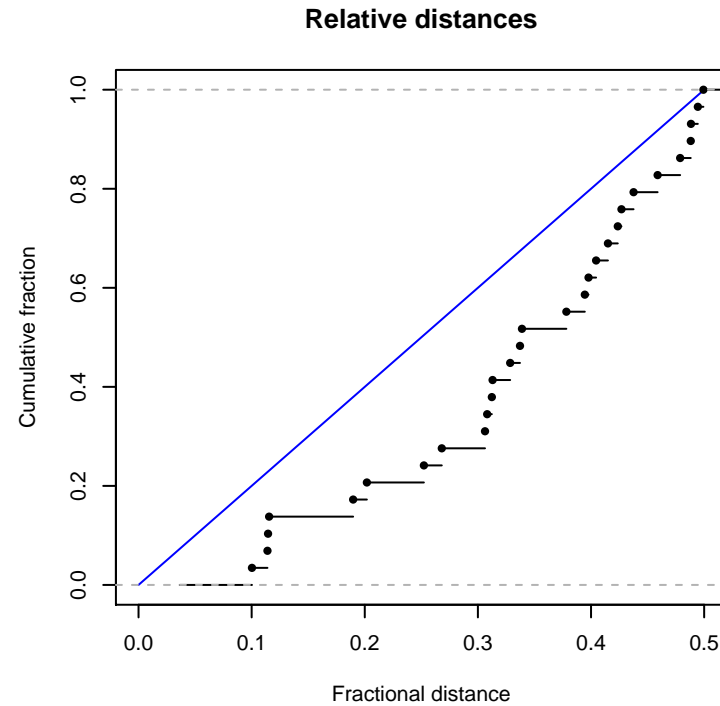
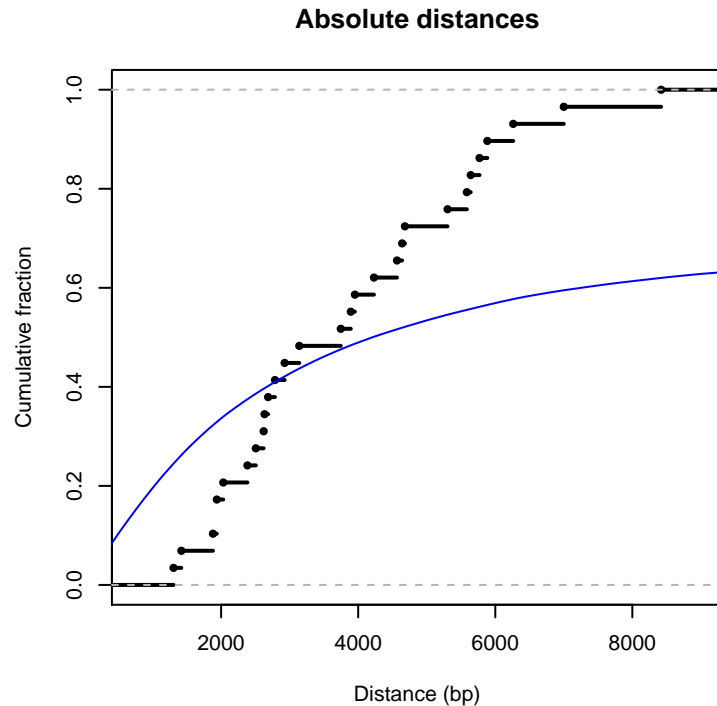
# pcontig\_006

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



# pcontig\_007

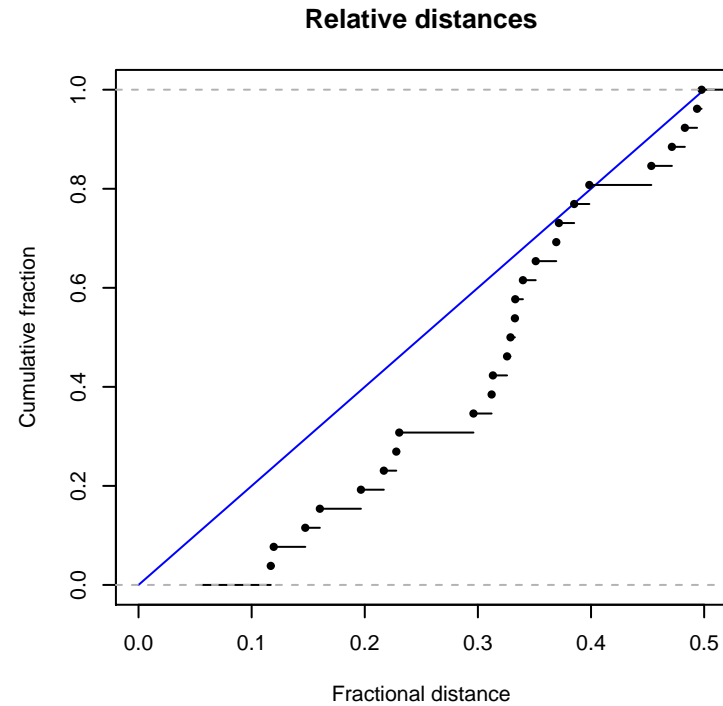
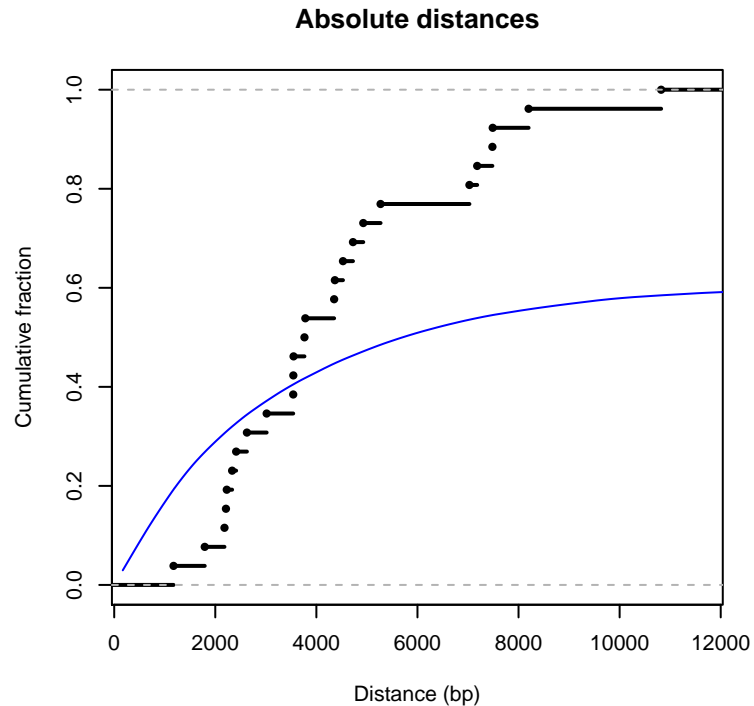
Query population : 29  
Reference population : 320  
Relative Ks p-value : 0.00195784  
Relative ecdf deviation area : 0.0873719  
Relative ecdf area correlation : -0.34987  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail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





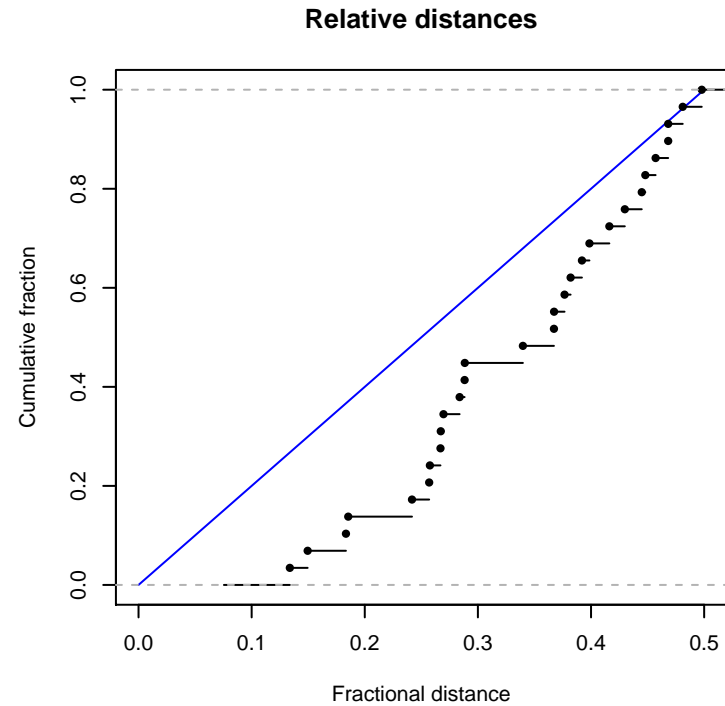
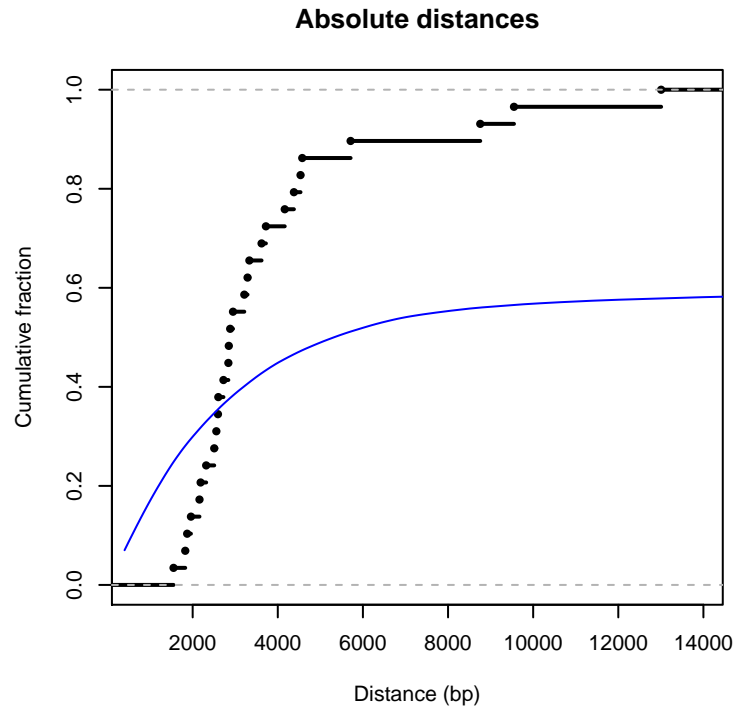
# pcontig\_008

Query population : 26  
Reference population : 267  
Relative Ks p-value : 0.0235152  
Relative ecdf deviation area : 0.0682104  
Relative ecdf area correlation : -0.272663  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0183283  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



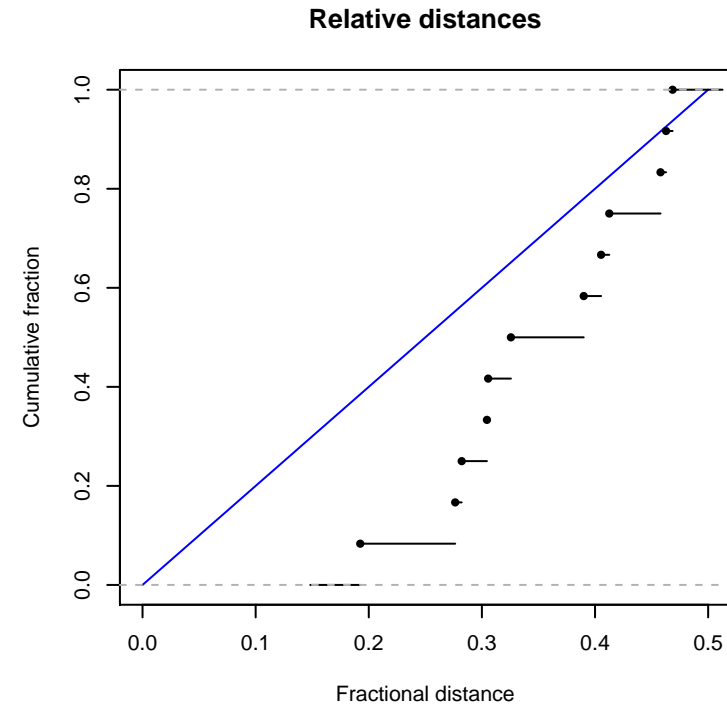
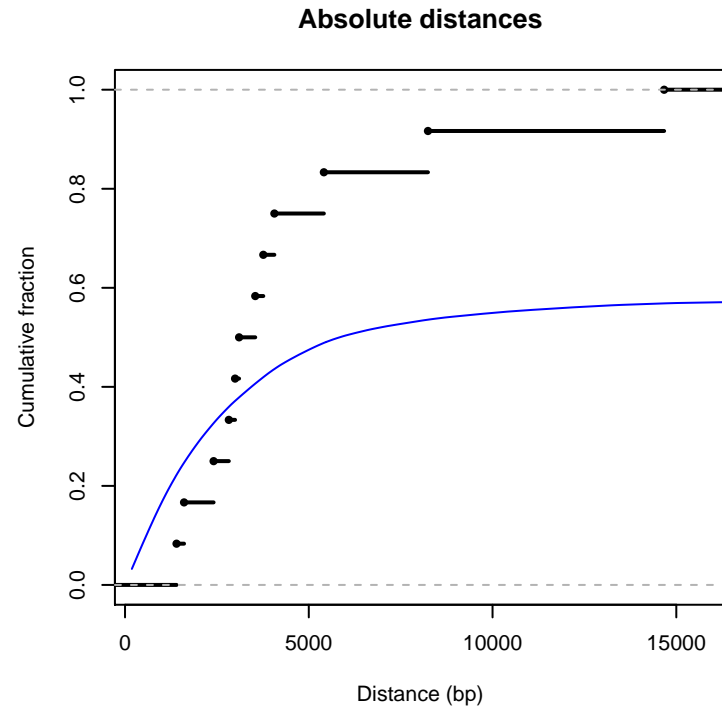
# pcontig\_009

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



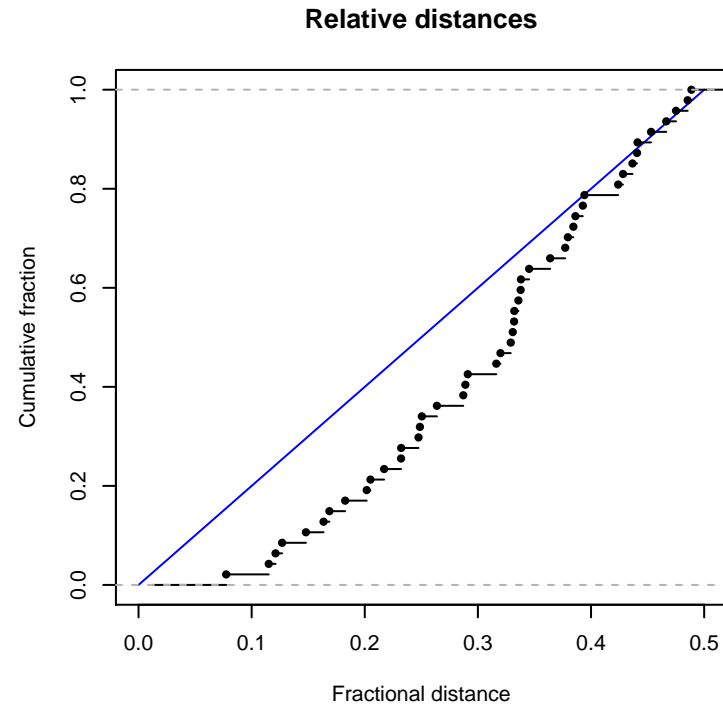
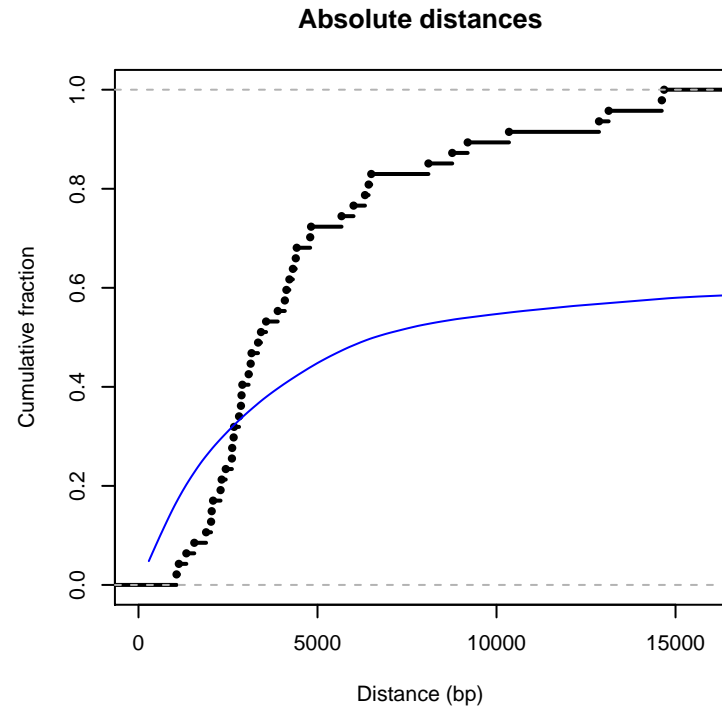
# pcontig\_010

Query population : 12  
Reference population : 267  
Relative Ks p-value : 0.00602804  
Relative ecdf deviation area : 0.108777  
Relative ecdf area correlation : -0.42796  
Relative ecdf deviation area p-value : <0.01  
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 : 0.201569  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



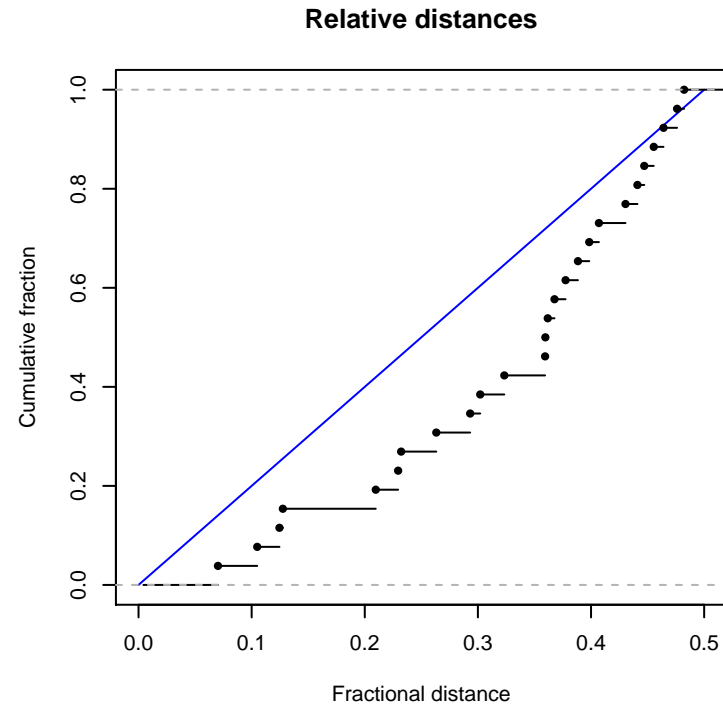
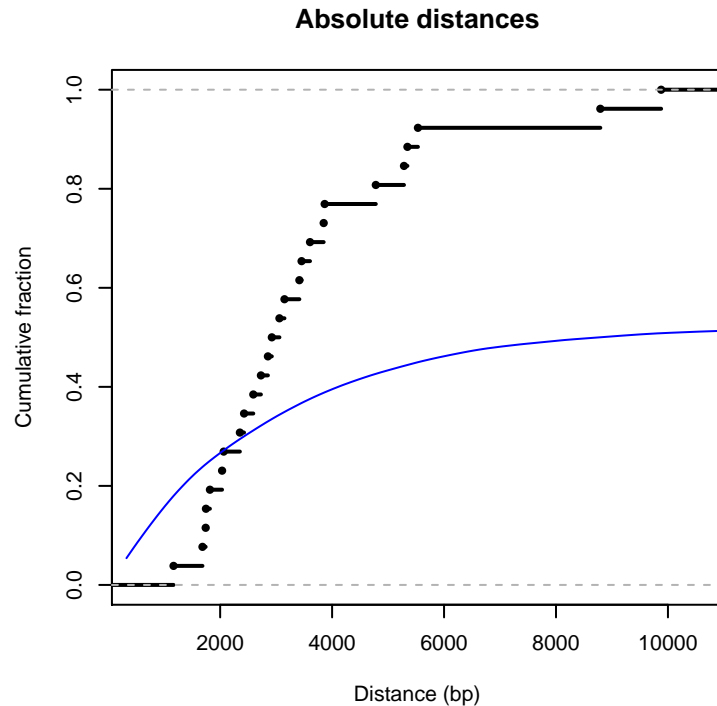
# pcontig\_011

Query population : 47  
Reference population : 255  
Relative Ks p-value : 0.00989723  
Relative ecdf deviation area : 0.0611882  
Relative ecdf area correlation : -0.242904  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.000848765  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



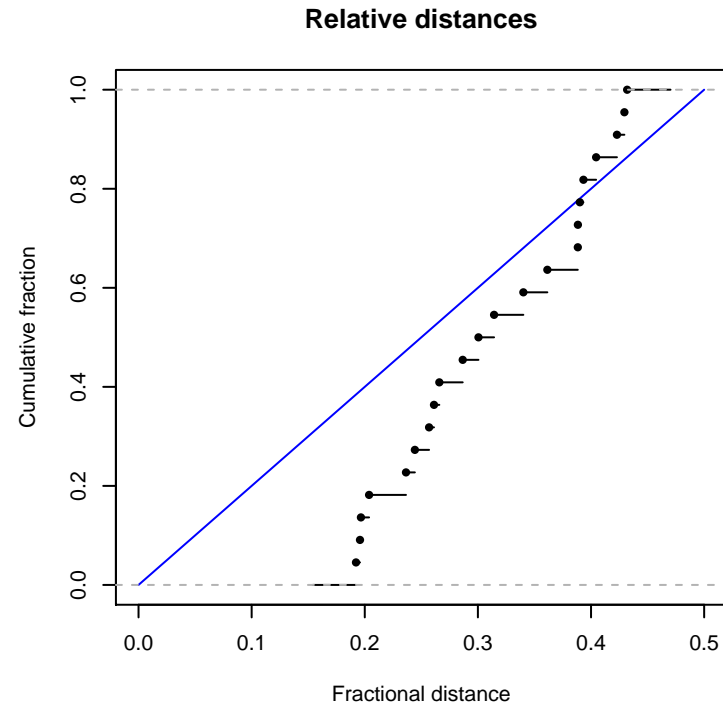
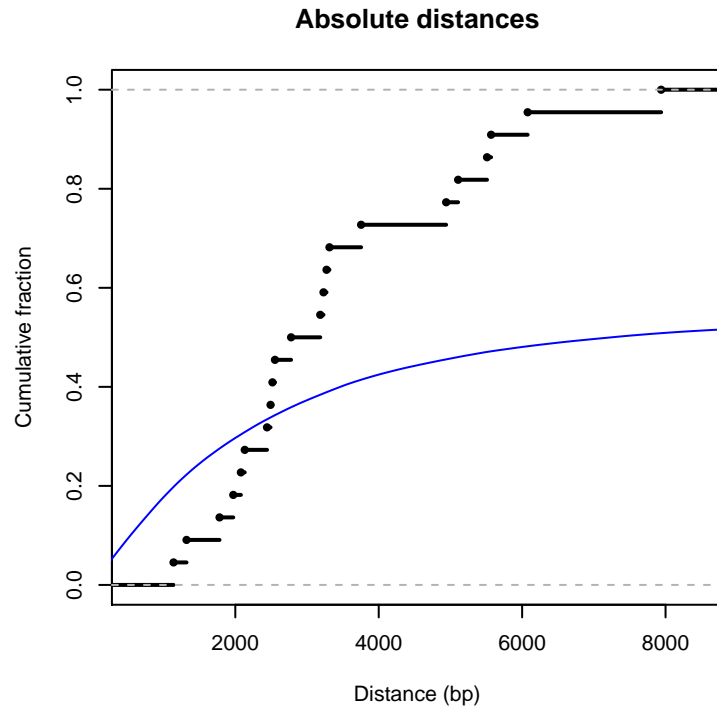
# pcontig\_012

Query population : 26  
Reference population : 254  
Relative Ks p-value : 0.0164461  
Relative ecdf deviation area : 0.0773454  
Relative ecdf area correlation : -0.307185  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0322317  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



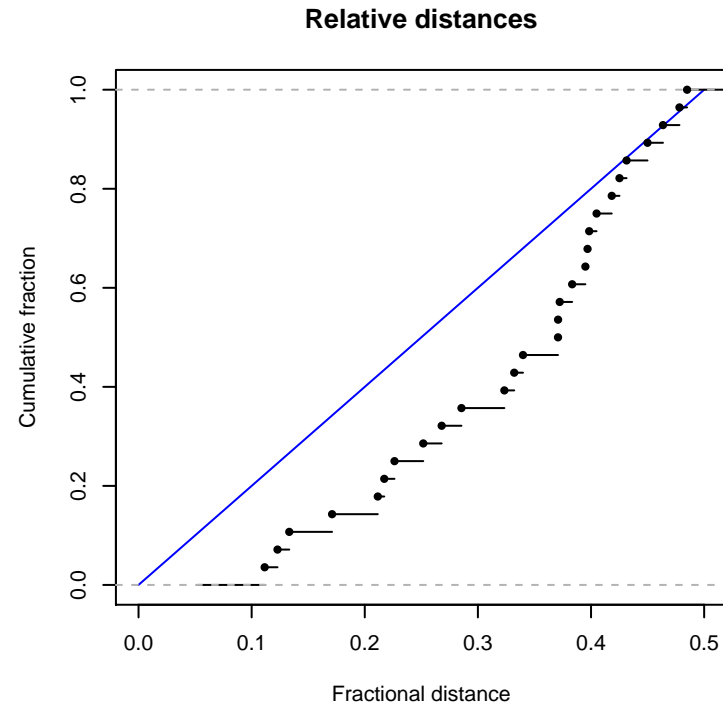
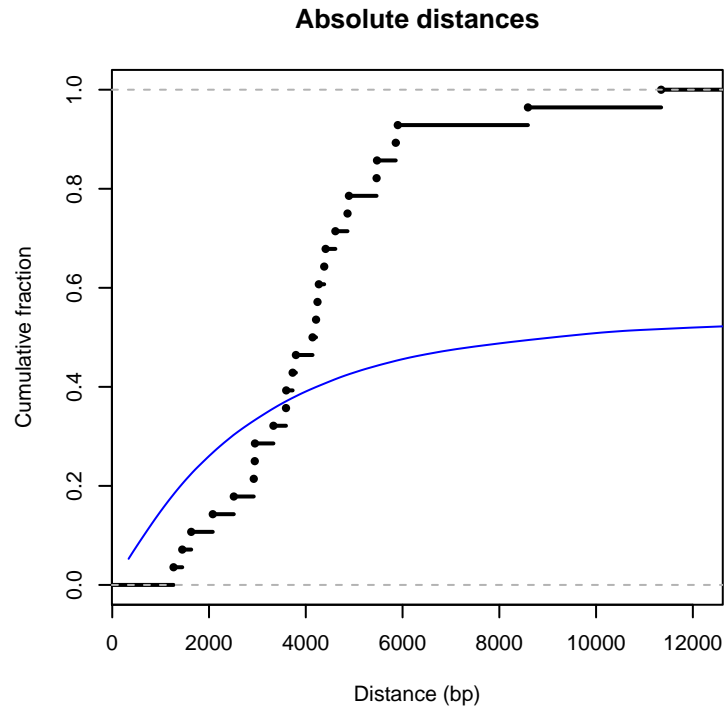
# pcontig\_013

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



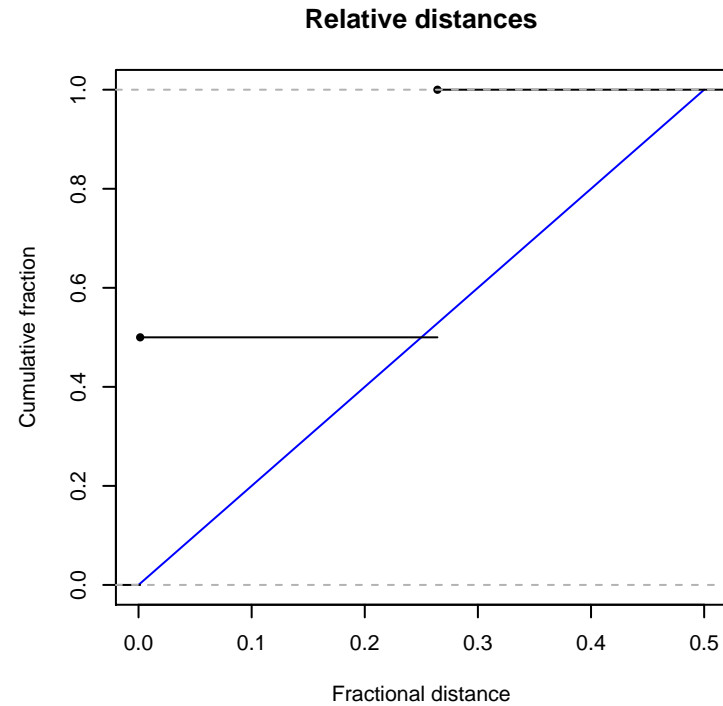
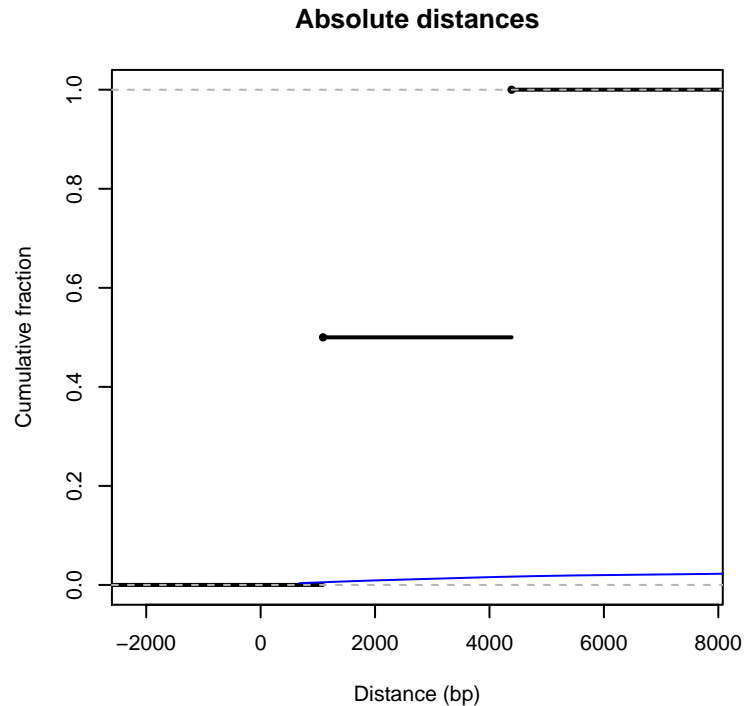
# pcontig\_014

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



# pcontig\_015

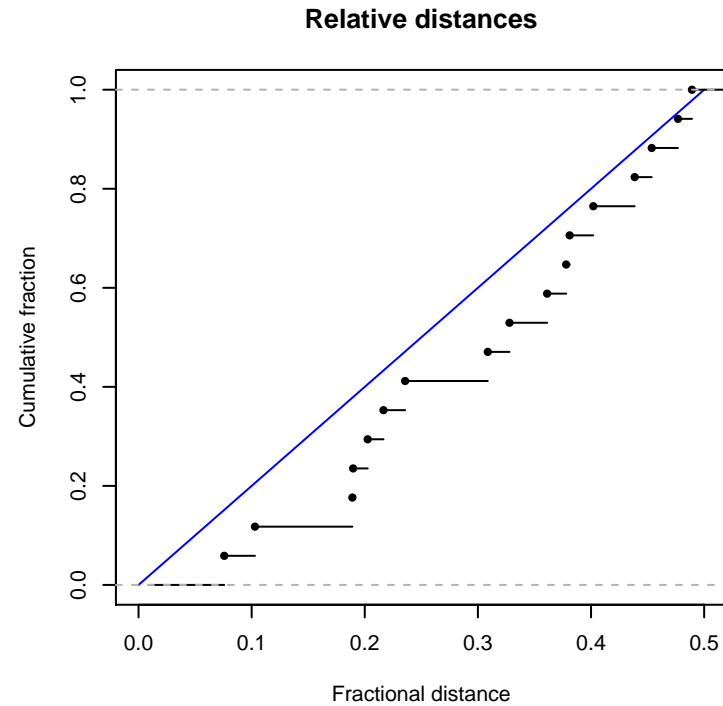
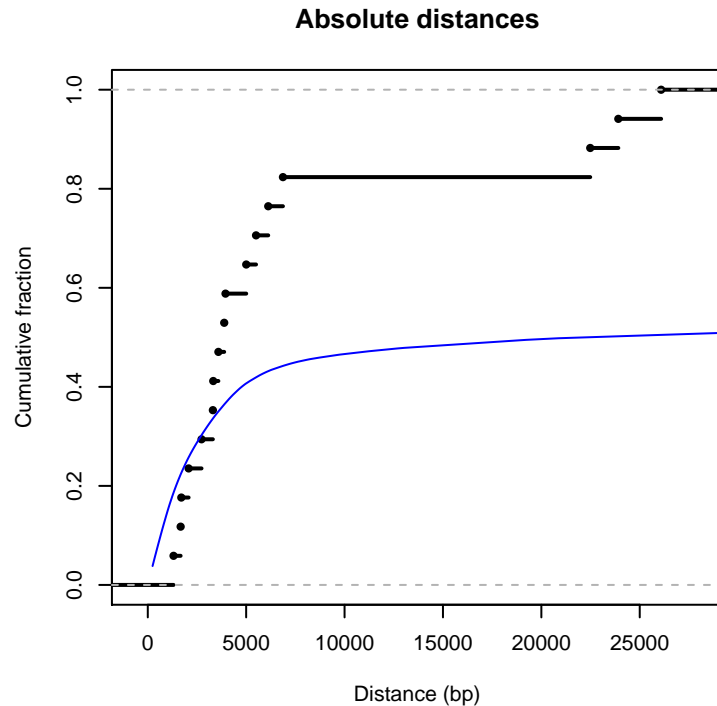
Query population : 2  
Reference population : 8  
Relative Ks p-value : 0.511605  
Relative ecdf deviation area : 0.1175  
Relative ecdf area correlation : 0.468638  
Relative ecdf deviation area p-value : 0.36  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0047679  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





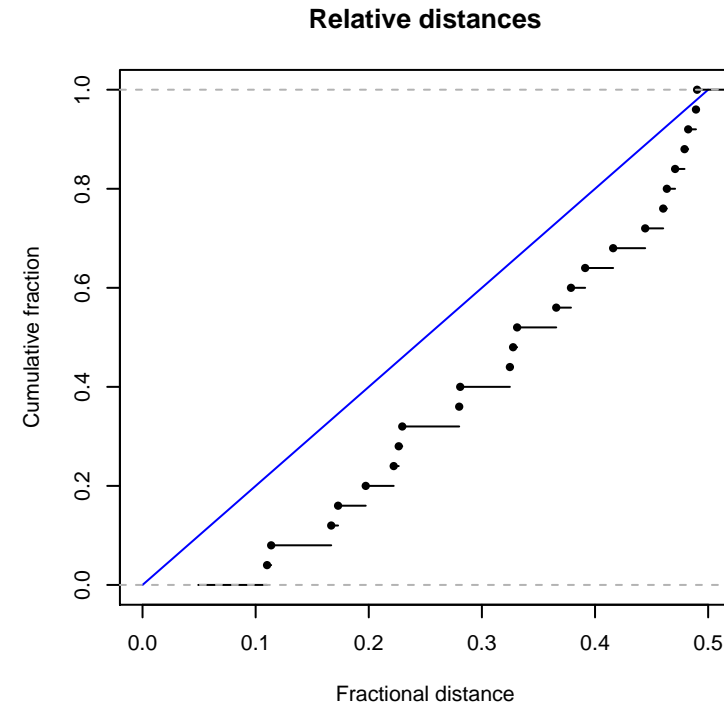
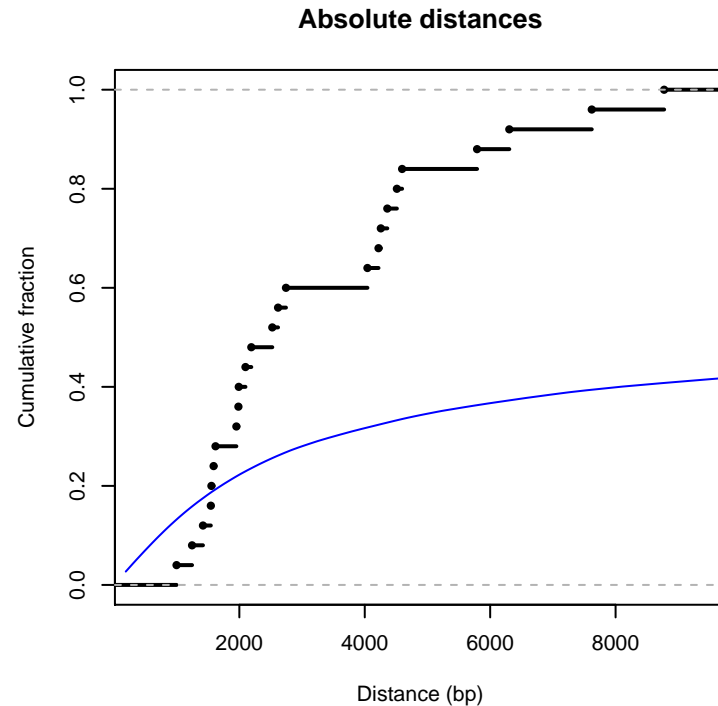
# pcontig\_016

Query population : 17  
Reference population : 240  
Relative Ks p-value : 0.166147  
Relative ecdf deviation area : 0.0571465  
Relative ecdf area correlation : -0.230487  
Relative ecdf deviation area p-value : 0.15  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0980436  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



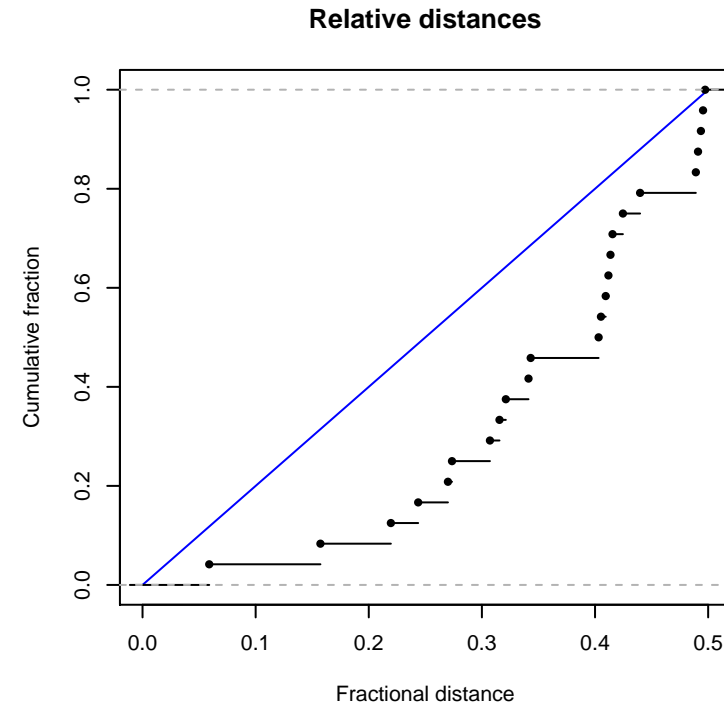
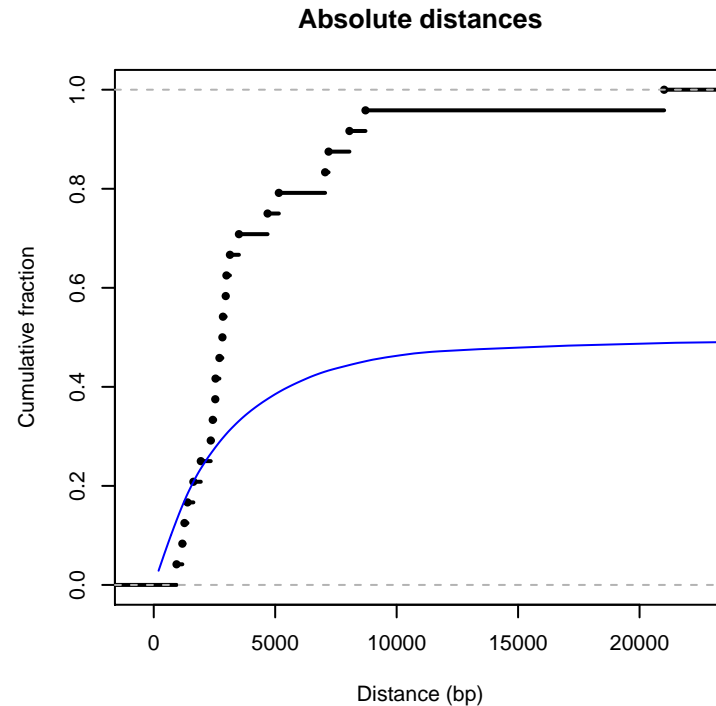
# pcontig\_017

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



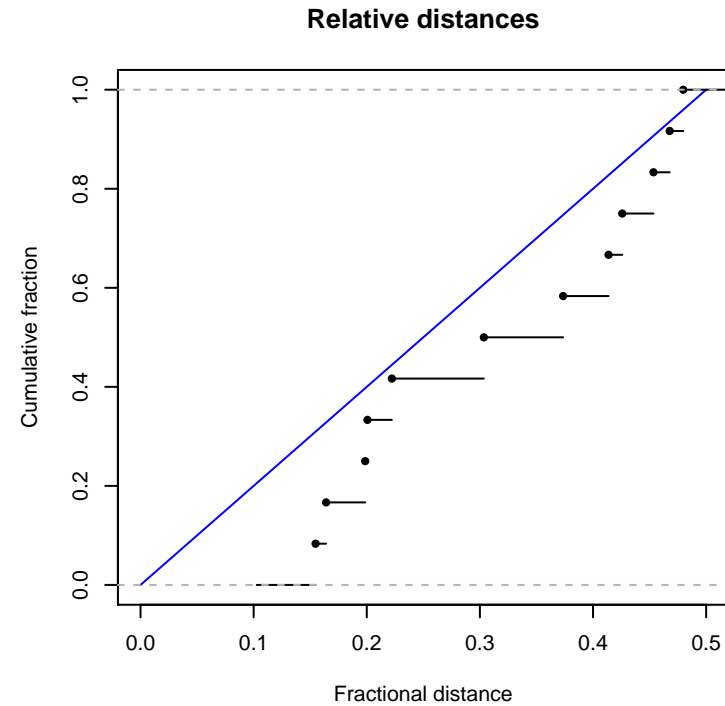
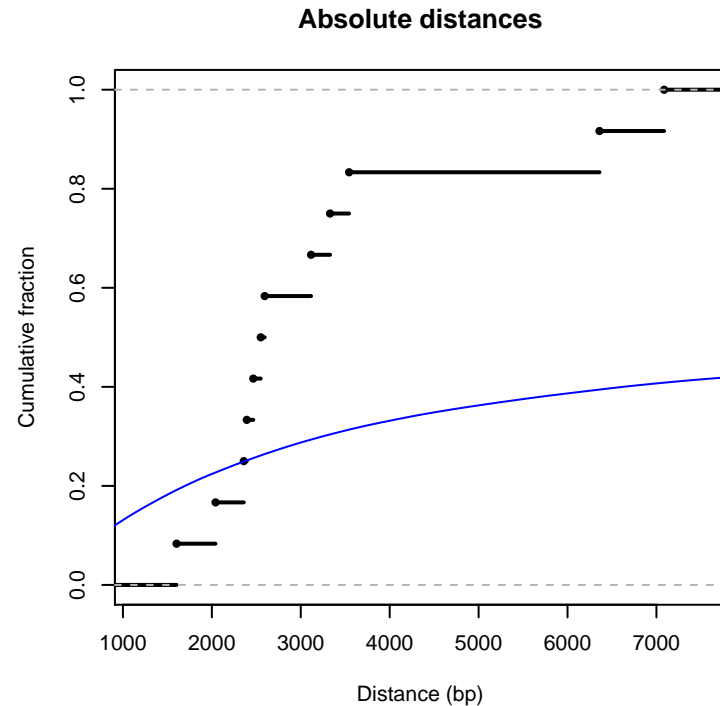
# pcontig\_018

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



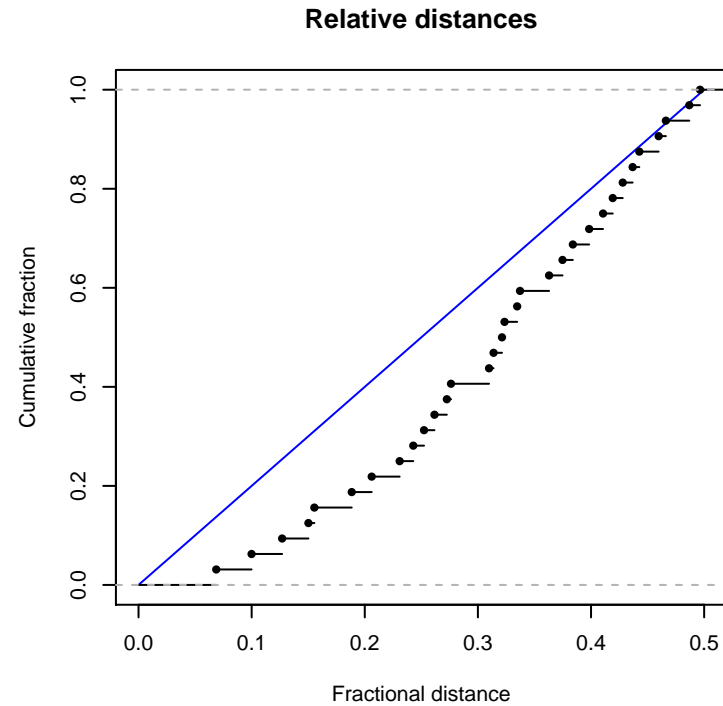
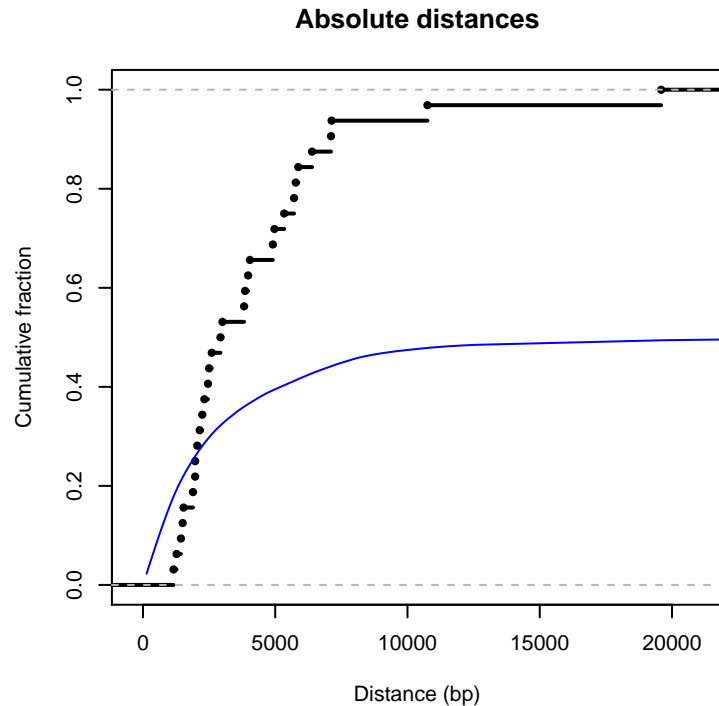
# pcontig\_019

Query population : 12  
Reference population : 217  
Relative Ks p-value : 0.161428  
Relative ecdf deviation area : 0.0722682  
Relative ecdf area correlation : -0.285886  
Relative ecdf deviation area p-value : 0.09  
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 : 0.284417  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



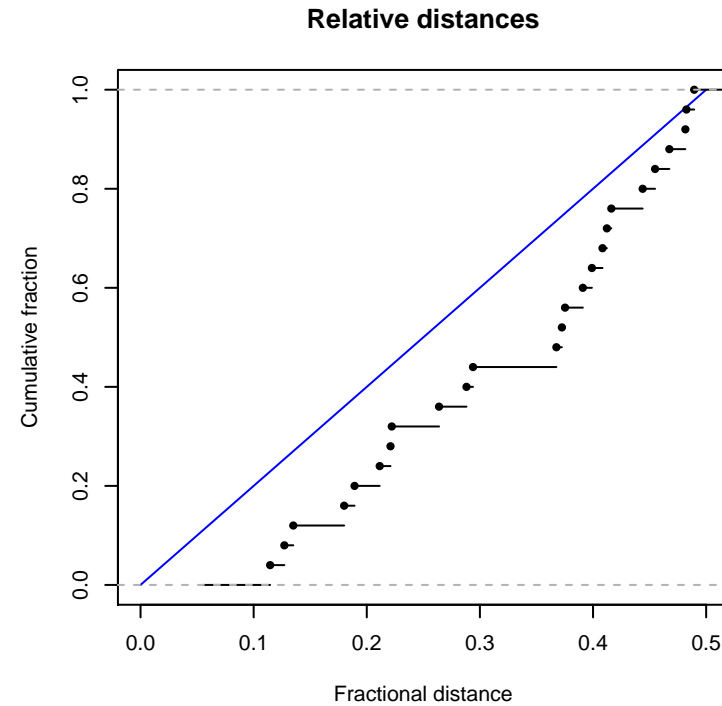
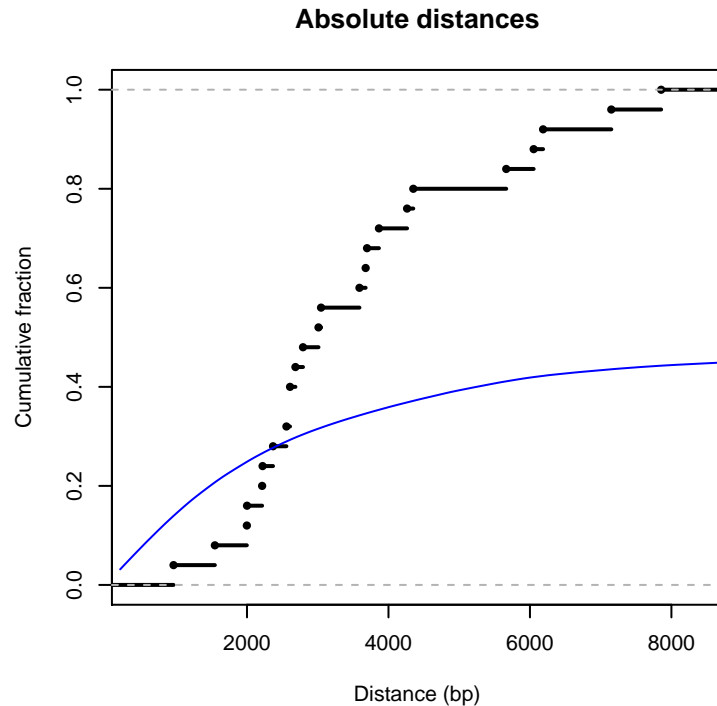
# pcontig\_020

Query population : 32  
Reference population : 255  
Relative Ks p-value : 0.0379801  
Relative ecdf deviation area : 0.0642822  
Relative ecdf area correlation : -0.254901  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0179368  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



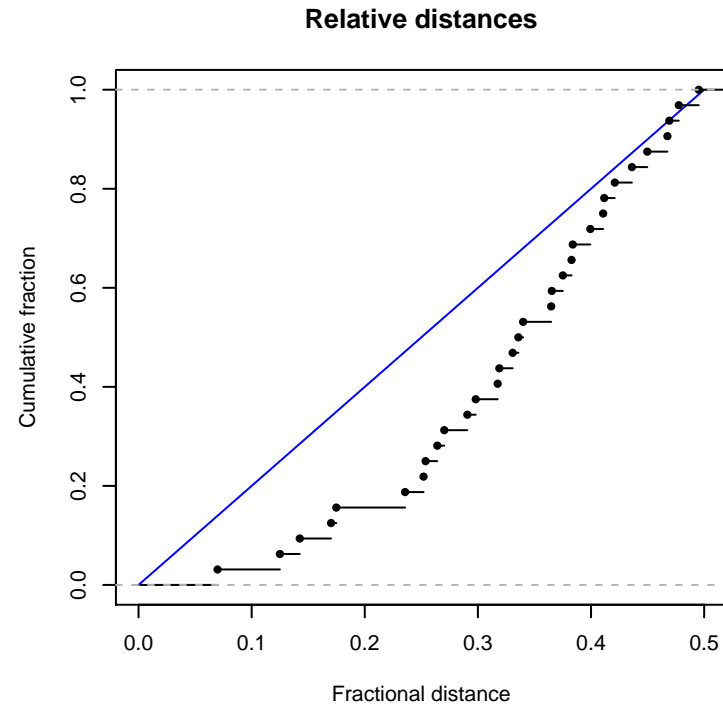
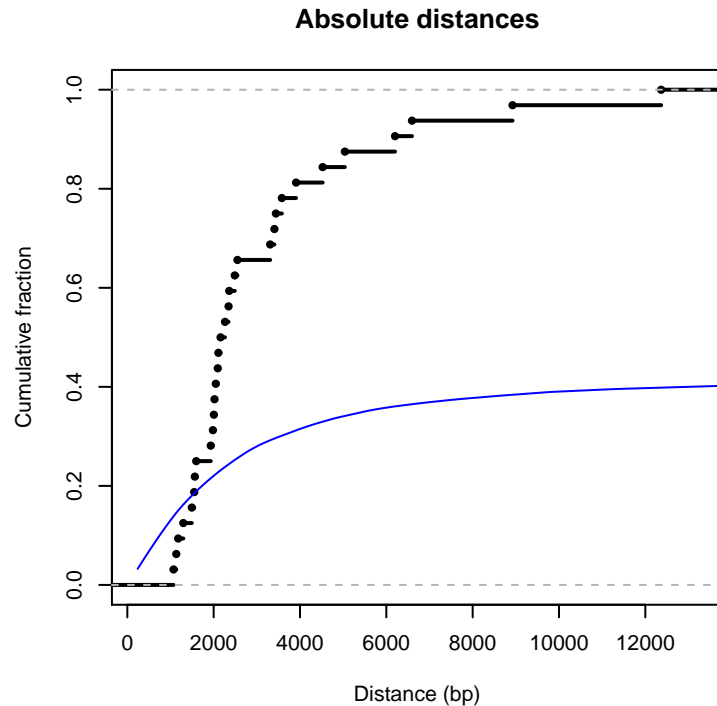
# pcontig\_021

Query population : 25  
Reference population : 233  
Relative Ks p-value : 0.0199514  
Relative ecdf deviation area : 0.0783294  
Relative ecdf area correlation : -0.313347  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0321753  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



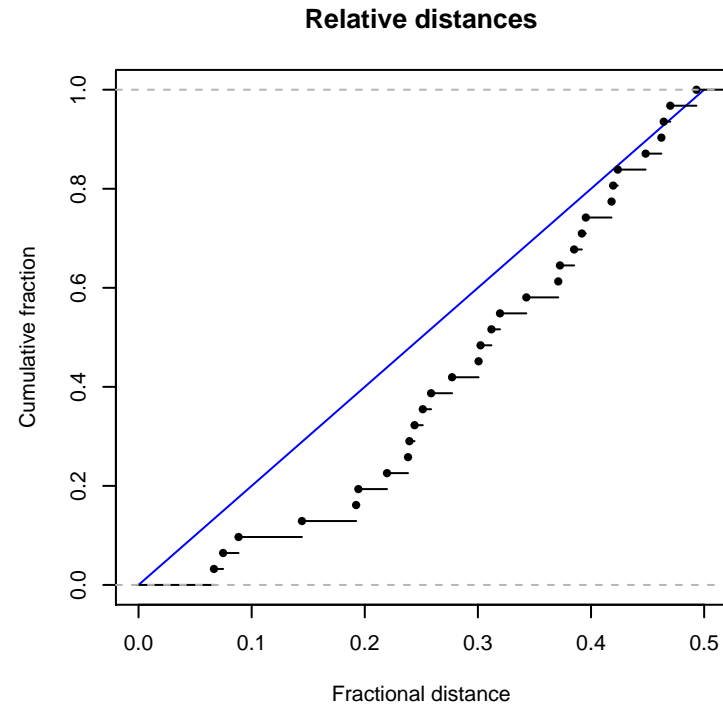
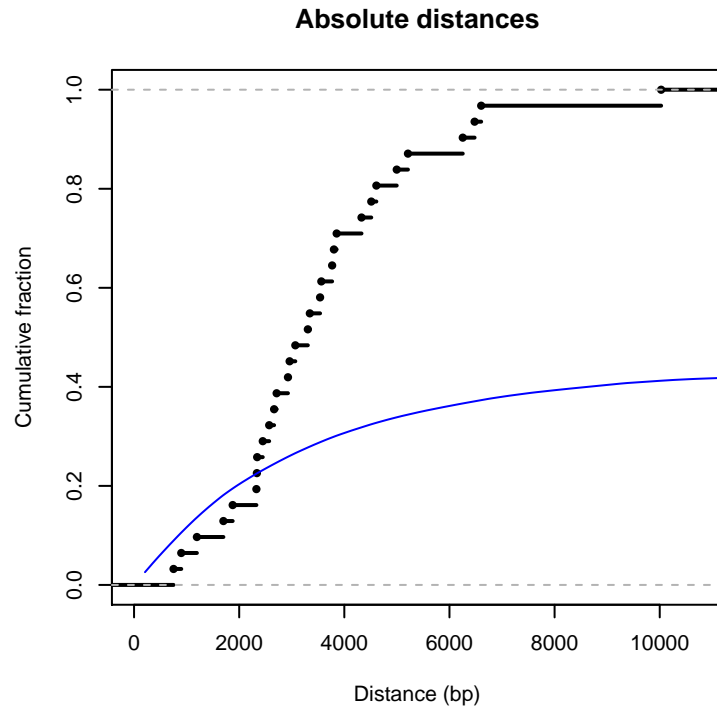
# pcontig\_022

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



# pcontig\_023

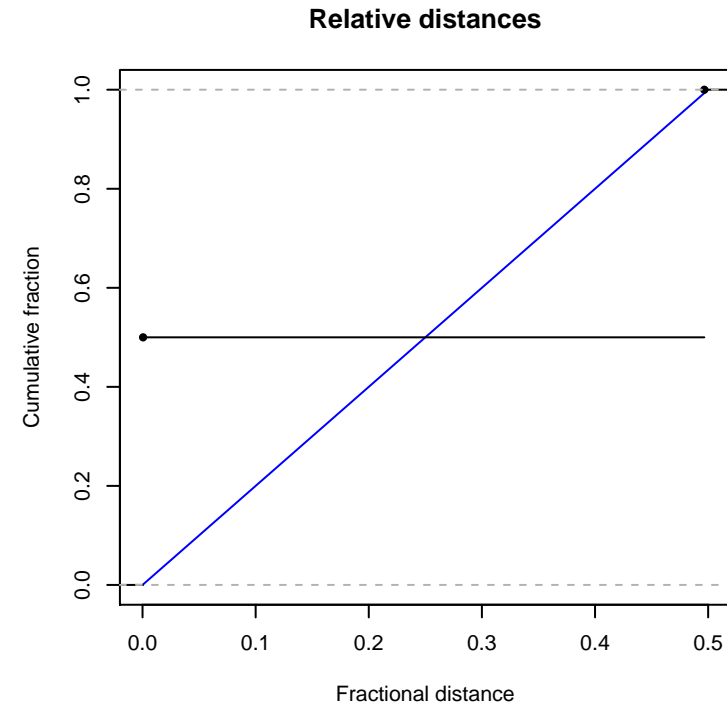
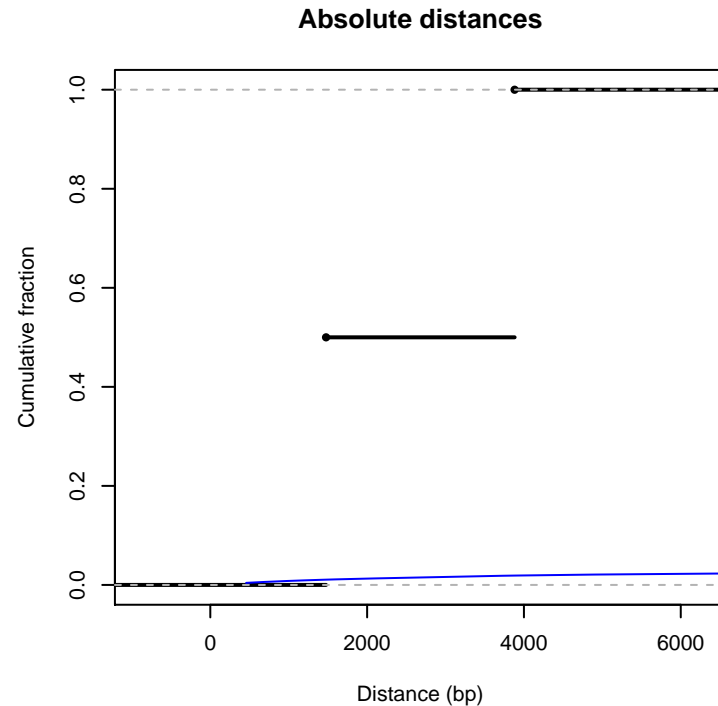
Query population : 31  
Reference population : 190  
Relative Ks p-value : 0.0283192  
Relative ecdf deviation area : 0.0588226  
Relative ecdf area correlation : -0.236386  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0425274  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





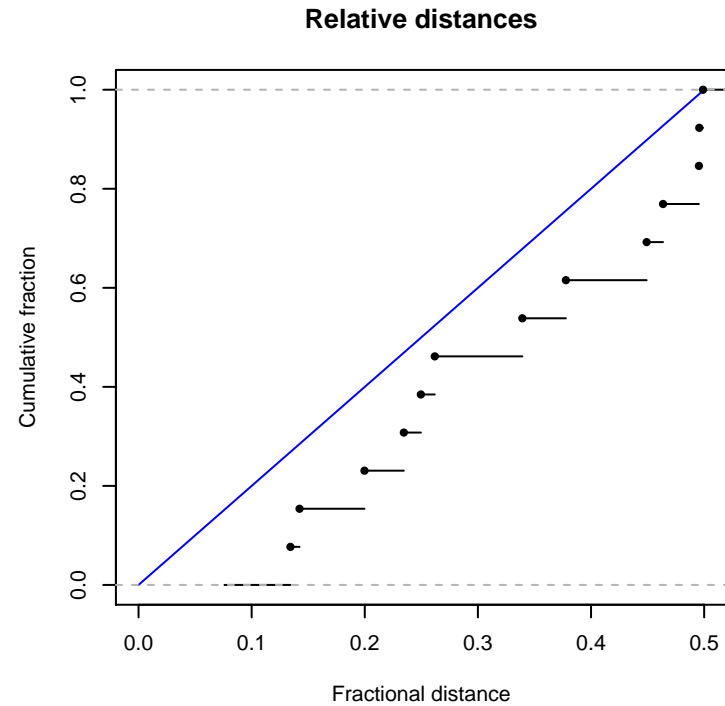
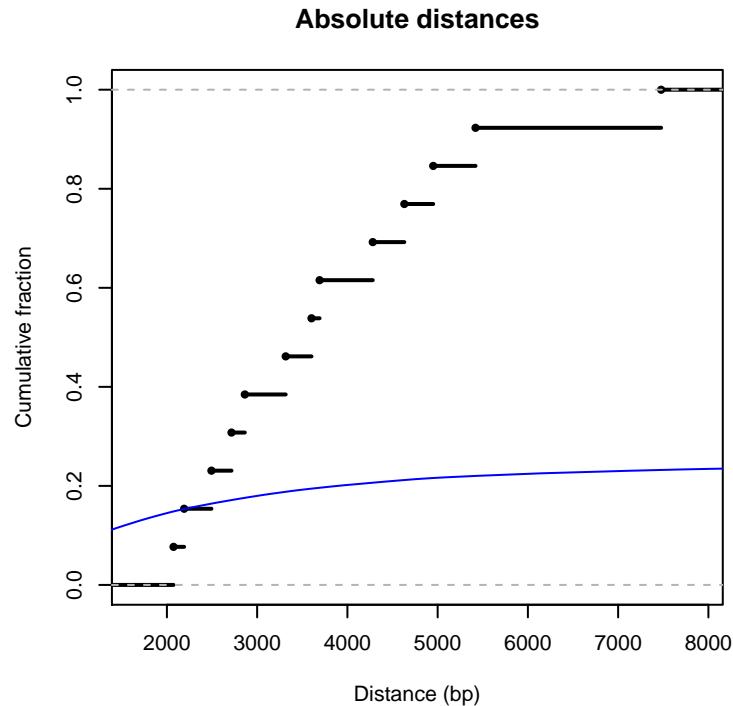
# pcontig\_024

Query population : 2  
Reference population : 14  
Relative Ks p-value : 0.503926  
Relative ecdf deviation area : 0.123631  
Relative ecdf area correlation : 0.00579839  
Relative ecdf deviation area p-value : 0.36  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.04  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0109117  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



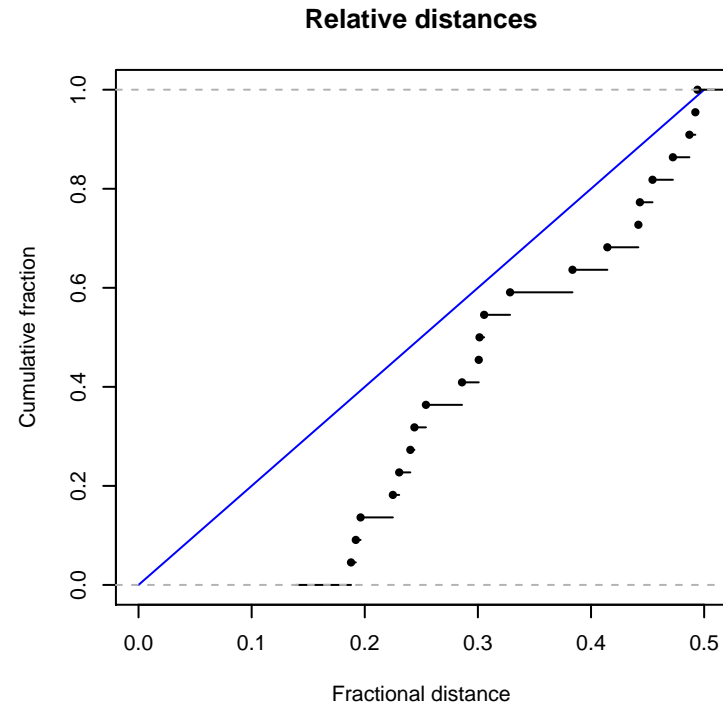
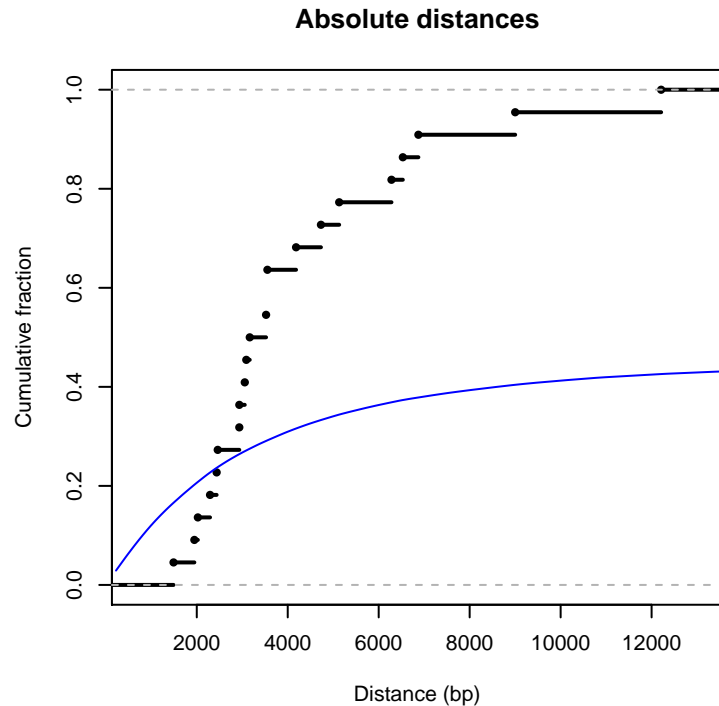
# pcontig\_025

Query population : 13  
Reference population : 145  
Relative Ks p-value : 0.205566  
Relative ecdf deviation area : 0.0840011  
Relative ecdf area correlation : -0.336085  
Relative ecdf deviation area p-value : 0.04  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.12  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.472157  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



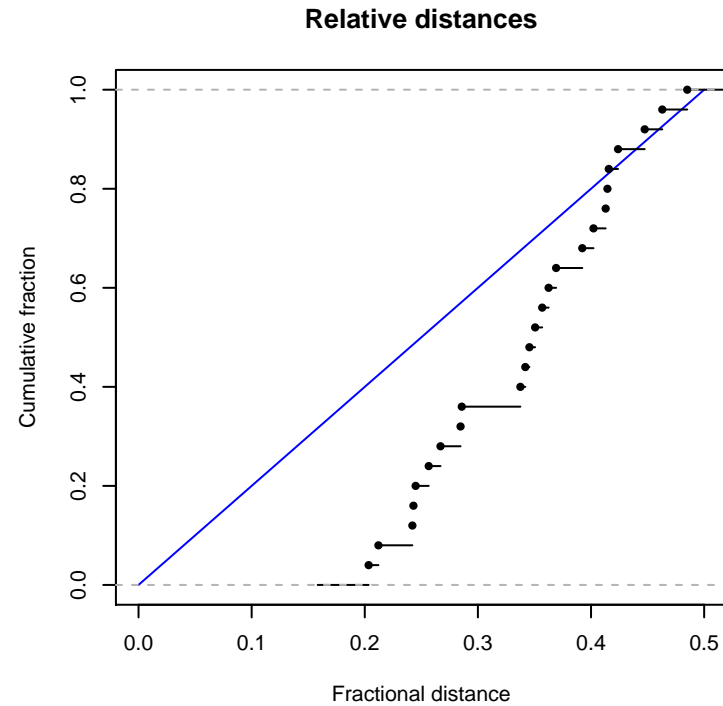
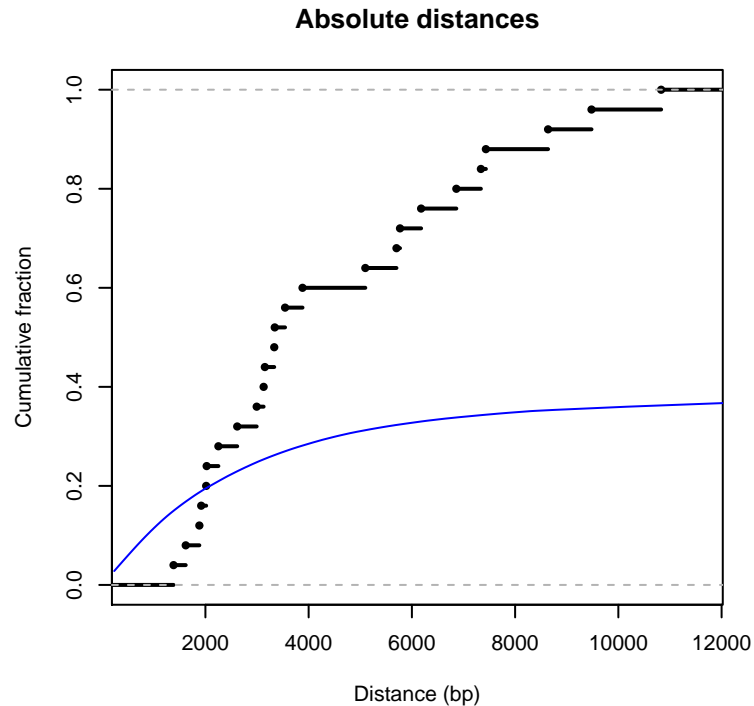
# pcontig\_026

Query population : 22  
Reference population : 198  
Relative Ks p-value : 0.00268365  
Relative ecdf deviation area : 0.0851238  
Relative ecdf area correlation : -0.340906  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.162679  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



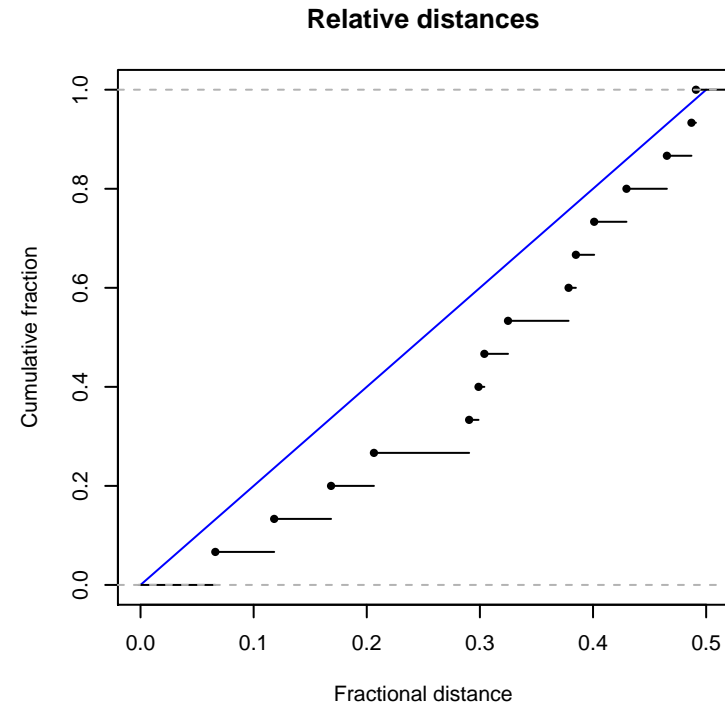
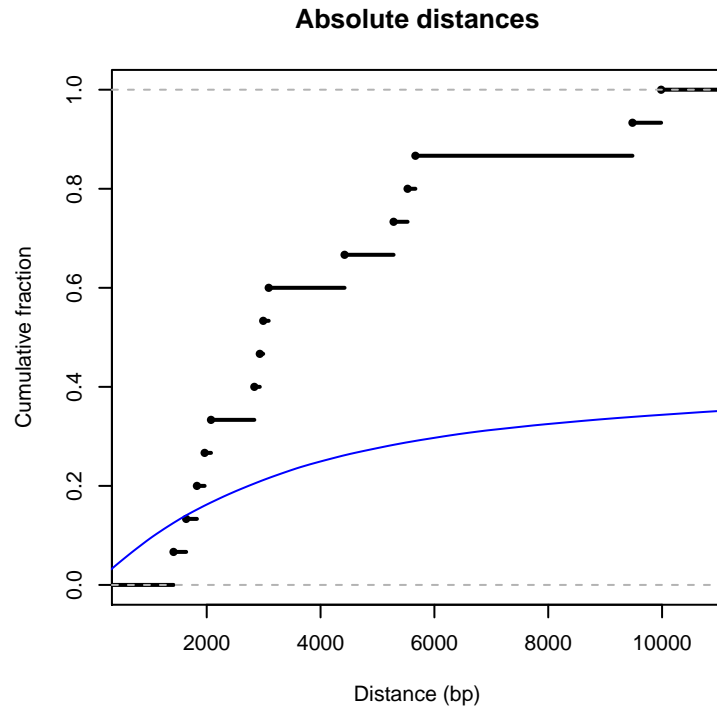
# pcontig\_027

Query population : 25  
Reference population : 184  
Relative Ks p-value : 0.000297752  
Relative ecdf deviation area : 0.0940393  
Relative ecdf area correlation : -0.369672  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.121785  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



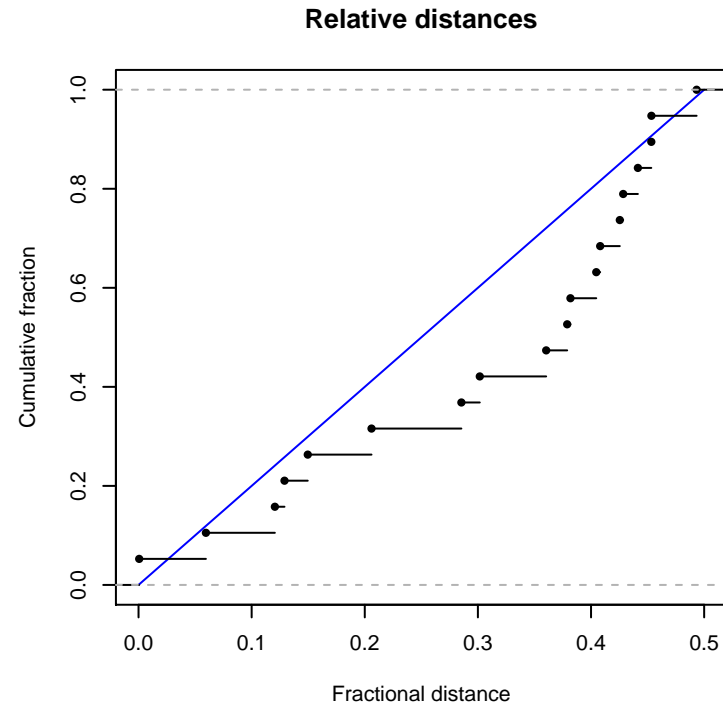
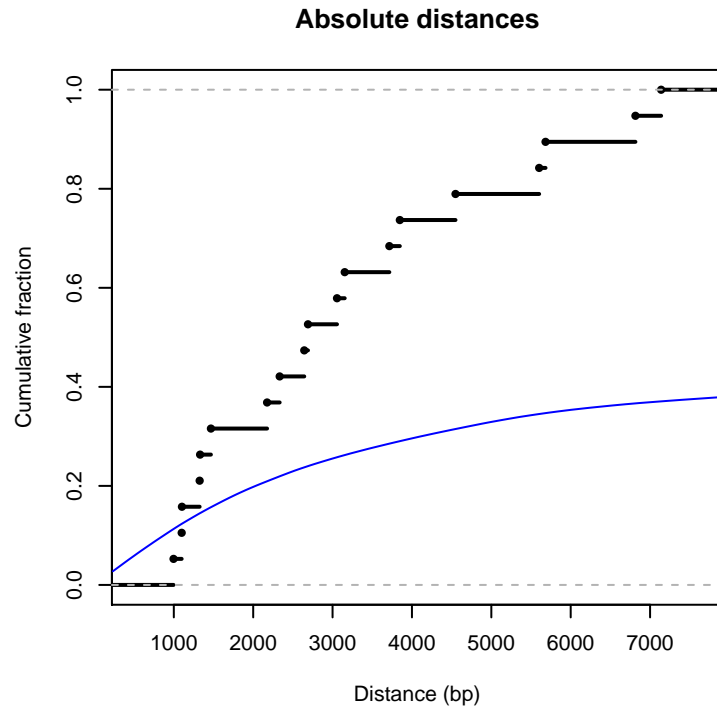
# pcontig\_028

Query population : 15  
Reference population : 151  
Relative Ks p-value : 0.0814399  
Relative ecdf deviation area : 0.0713787  
Relative ecdf area correlation : -0.2838  
Relative ecdf deviation area p-value : 0.04  
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 : 0.226743  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



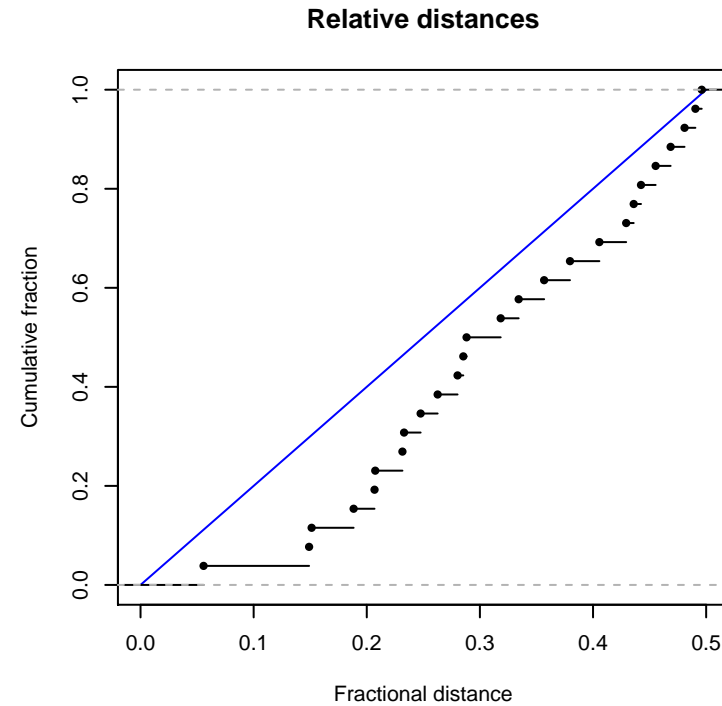
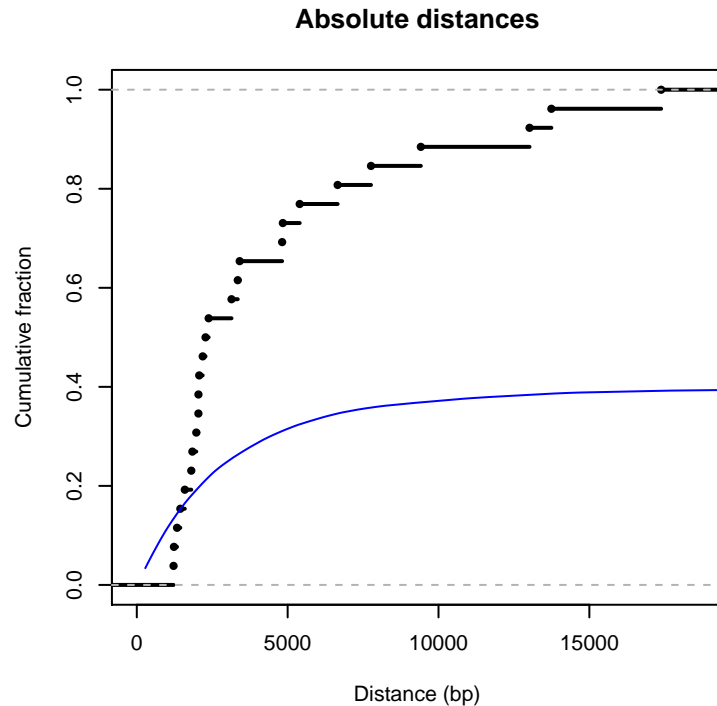
# pcontig\_029

Query population : 19  
Reference population : 182  
Relative Ks p-value : 0.0521927  
Relative ecdf deviation area : 0.0611609  
Relative ecdf area correlation : -0.238207  
Relative ecdf deviation area p-value : 0.09  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.215682  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



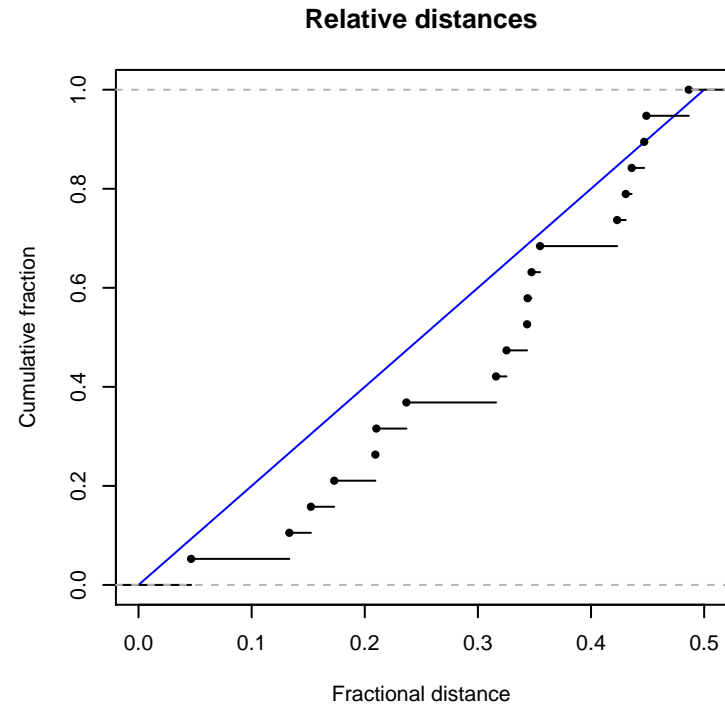
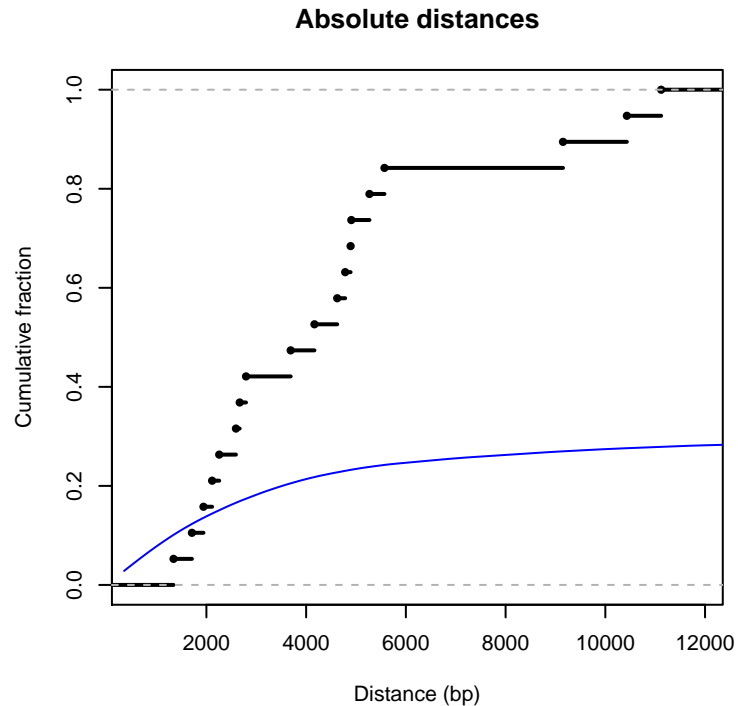
# pcontig\_030

Query population : 26  
Reference population : 185  
Relative Ks p-value : 0.0468342  
Relative ecdf deviation area : 0.0688524  
Relative ecdf area correlation : -0.274012  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.0911909  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_031

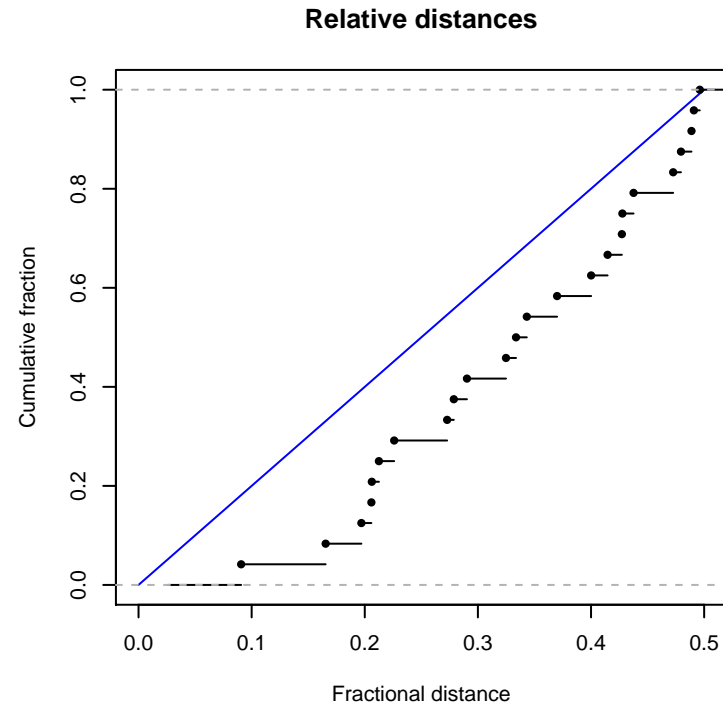
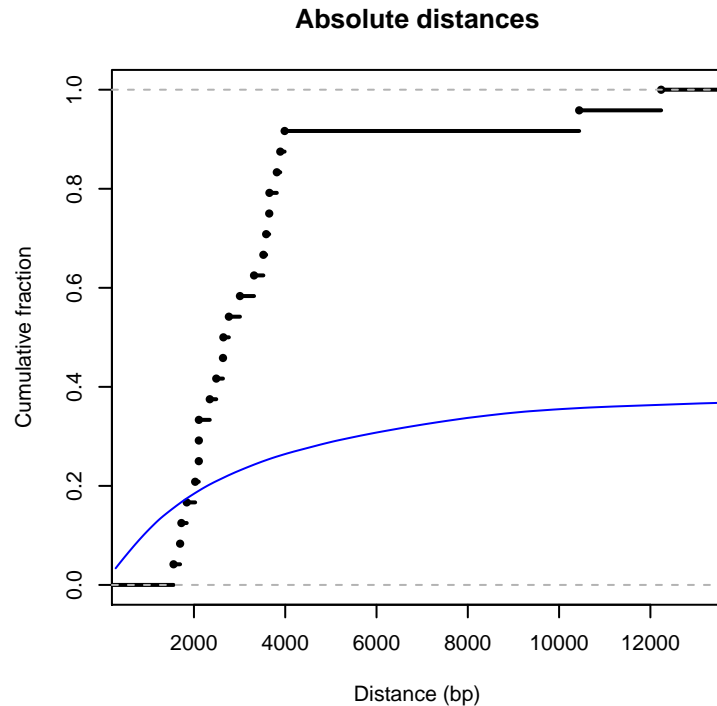
Query population : 19  
Reference population : 124  
Relative Ks p-value : 0.117944  
Relative ecdf deviation area : 0.0603917  
Relative ecdf area correlation : -0.234676  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.06  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.294864  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





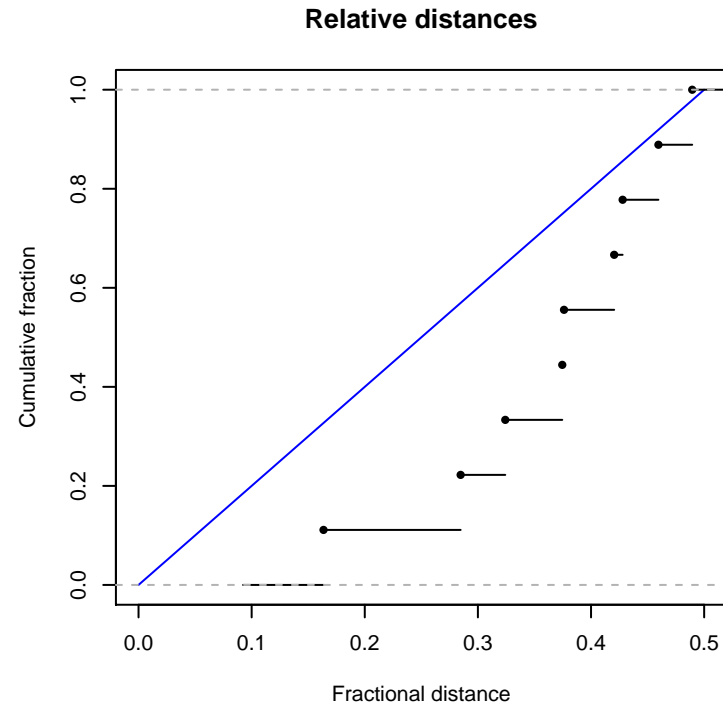
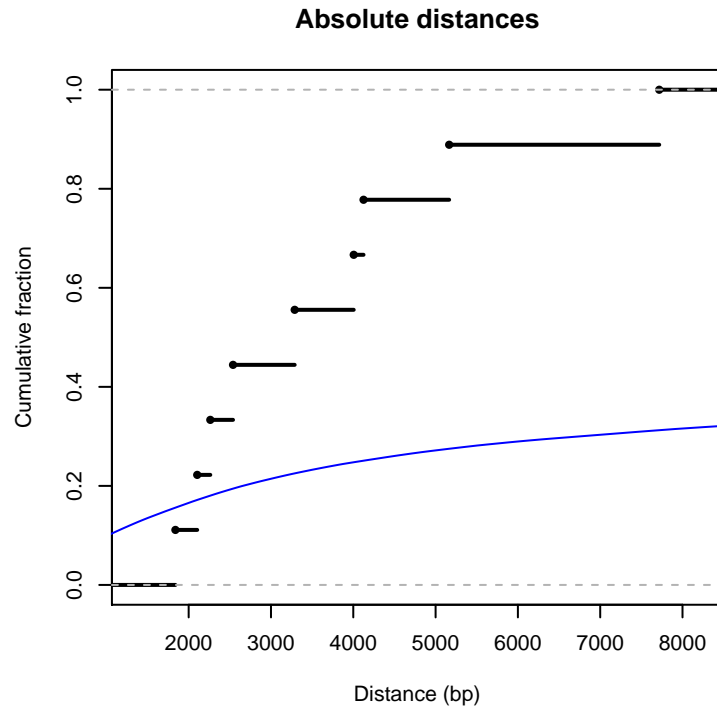
# pcontig\_033

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



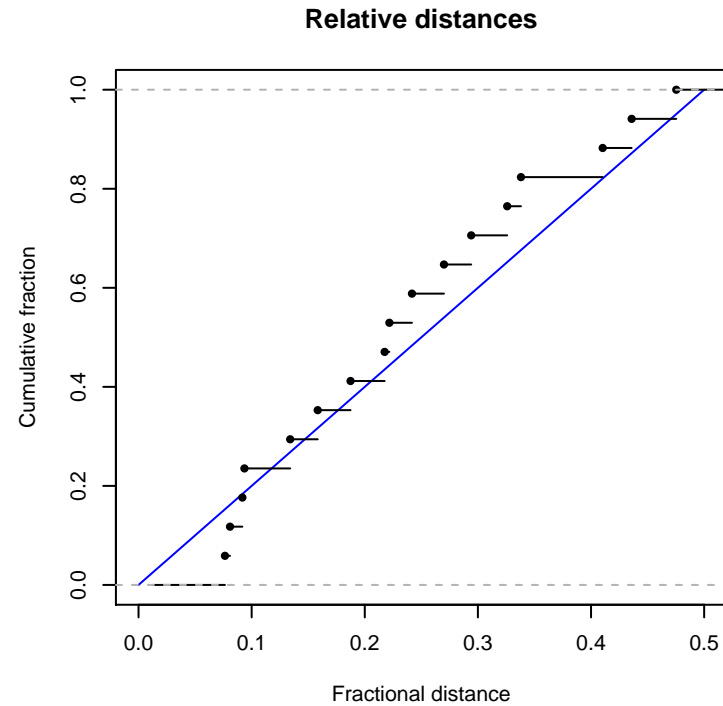
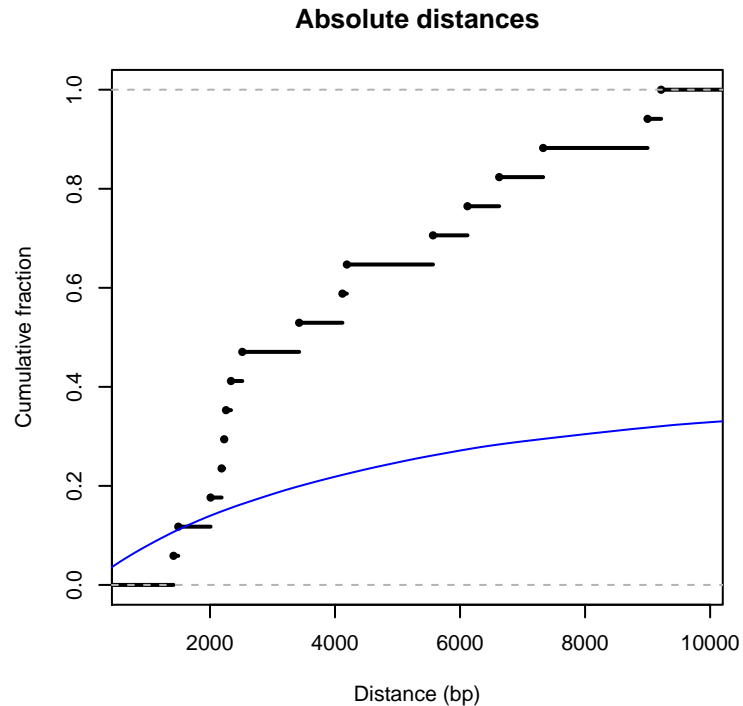
# pcontig\_034

Query population : 9  
Reference population : 163  
Relative Ks p-value : 0.0300572  
Relative ecdf deviation area : 0.119225  
Relative ecdf area correlation : -0.475818  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.24  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.468237  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



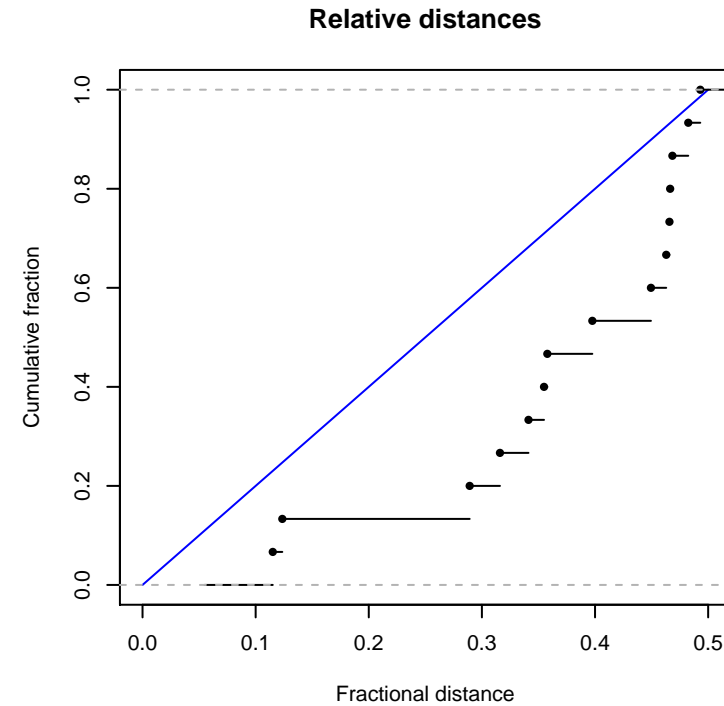
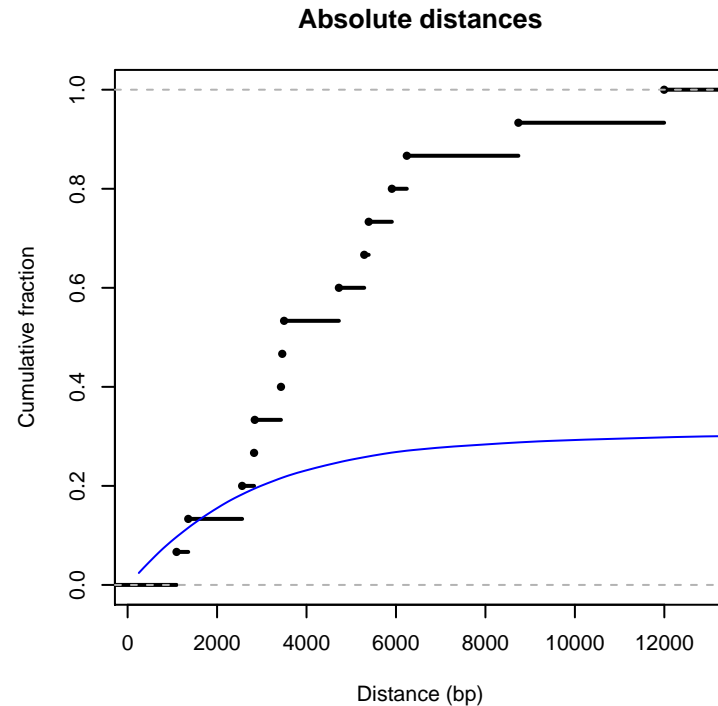
# pcontig\_035

Query population : 17  
Reference population : 129  
Relative Ks p-value : 0.768029  
Relative ecdf deviation area : 0.0279235  
Relative ecdf area correlation : 0.0463084  
Relative ecdf deviation area p-value : 0.77  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.1  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.347001  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



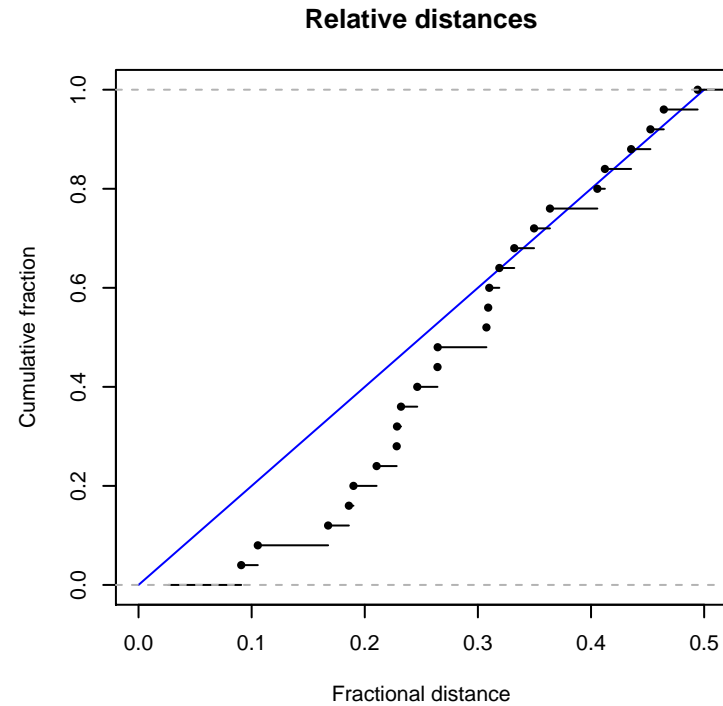
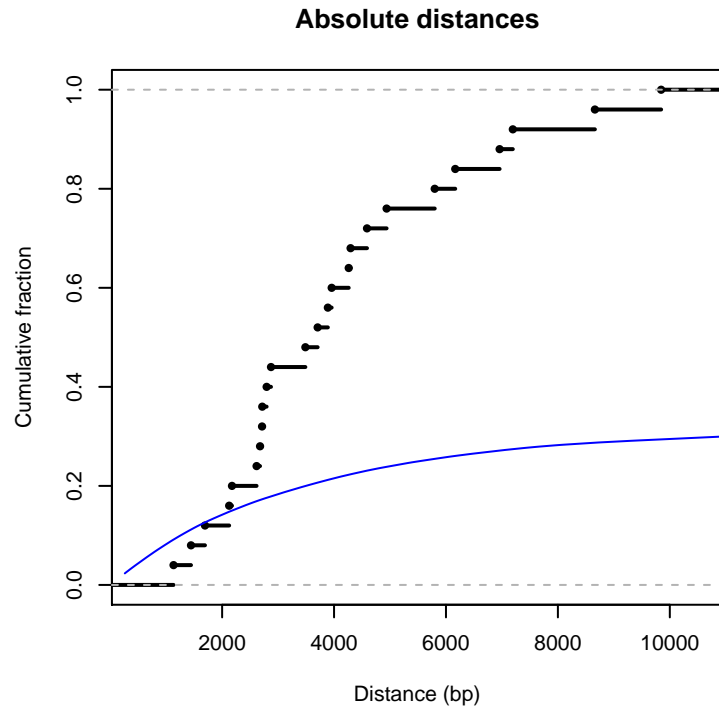
# pcontig\_036

Query population : 15  
Reference population : 148  
Relative Ks p-value : 0.00316148  
Relative ecdf deviation area : 0.122685  
Relative ecdf area correlation : -0.489031  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.08  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.357758  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



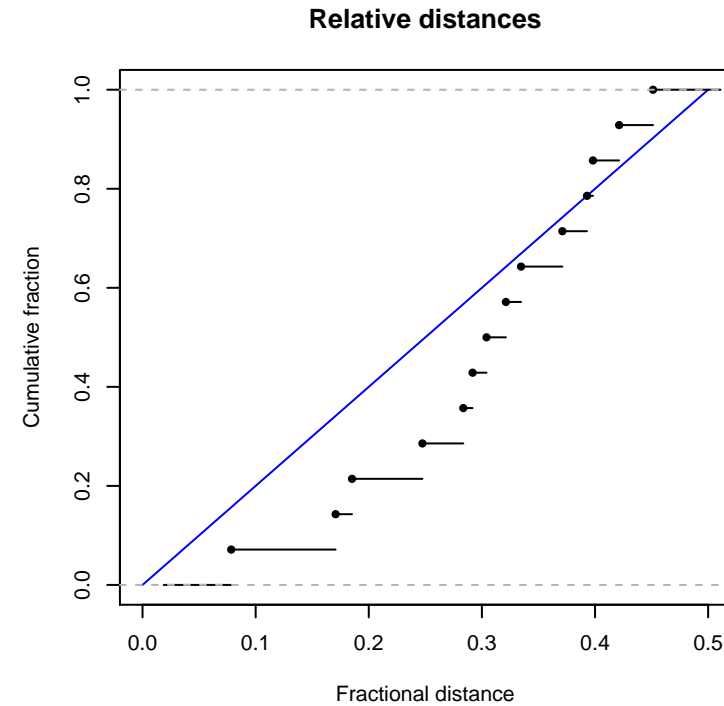
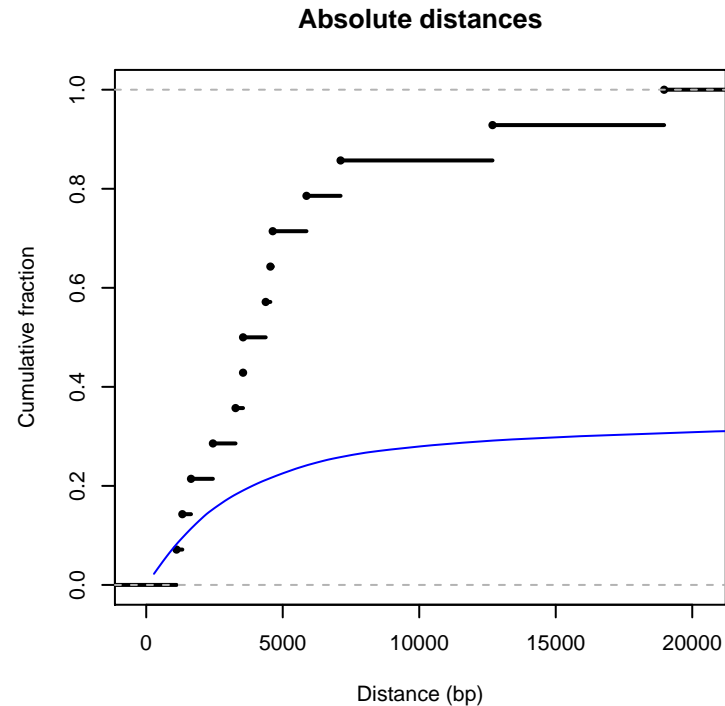
# pcontig\_037

Query population : 25  
Reference population : 137  
Relative Ks p-value : 0.063644  
Relative ecdf deviation area : 0.0463157  
Relative ecdf area correlation : -0.179148  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.1755  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



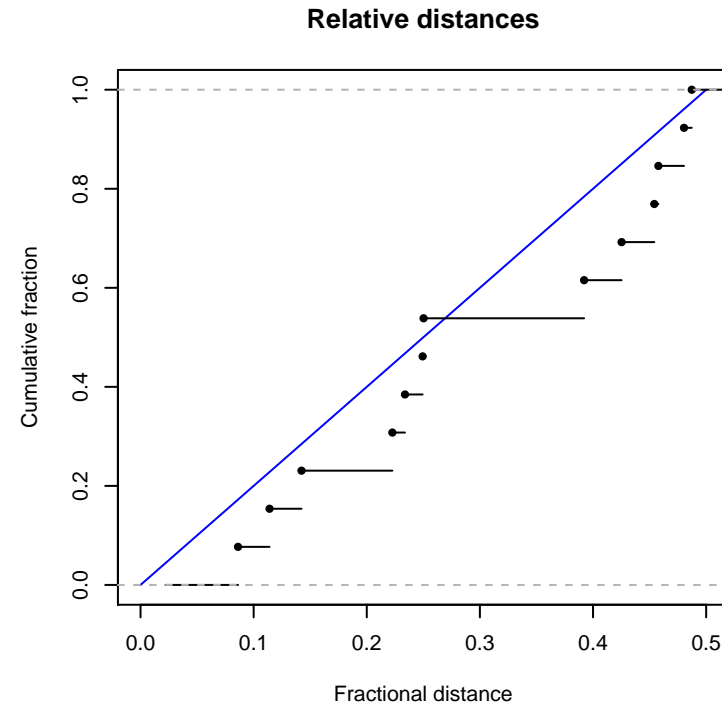
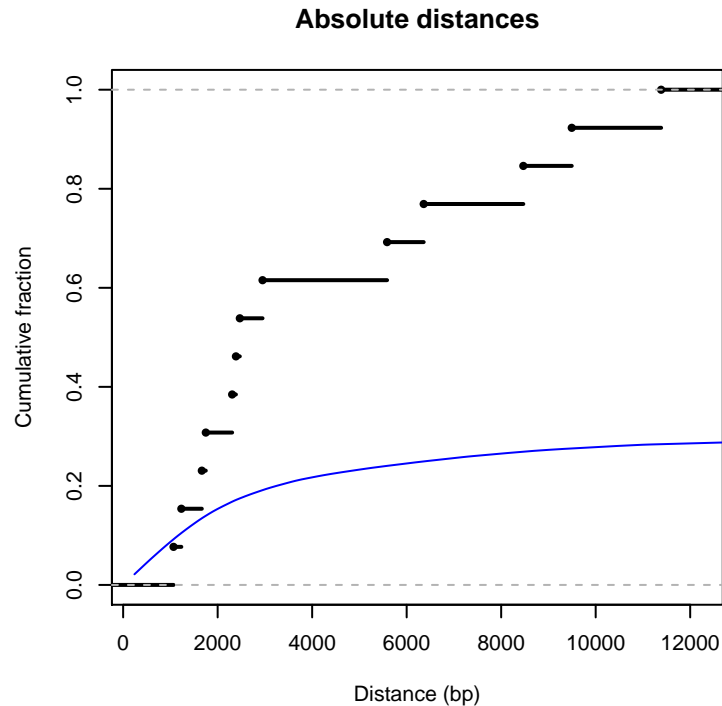
# pcontig\_039

Query population : 14  
Reference population : 121  
Relative Ks p-value : 0.179162  
Relative ecdf deviation area : 0.063443  
Relative ecdf area correlation : -0.214783  
Relative ecdf deviation area p-value : 0.13  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.12  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.372047  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



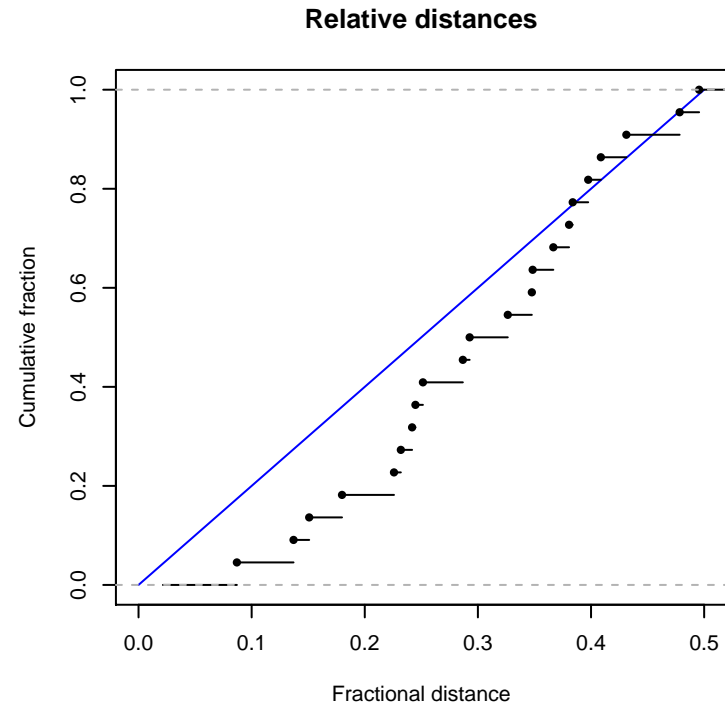
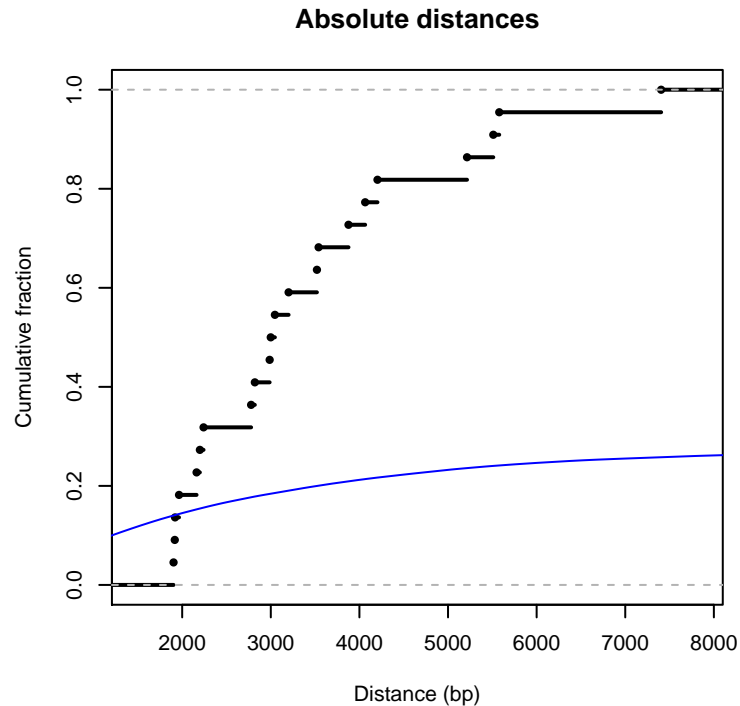
# pcontig\_040

Query population : 13  
Reference population : 138  
Relative Ks p-value : 0.353226  
Relative ecdf deviation area : 0.0580146  
Relative ecdf area correlation : -0.229399  
Relative ecdf deviation area p-value : 0.15  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.15  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.370001  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



# pcontig\_041

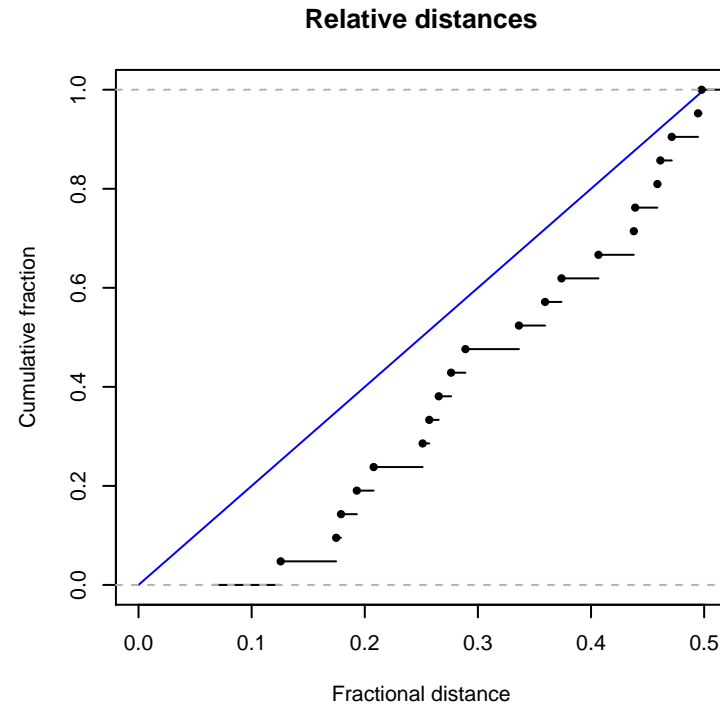
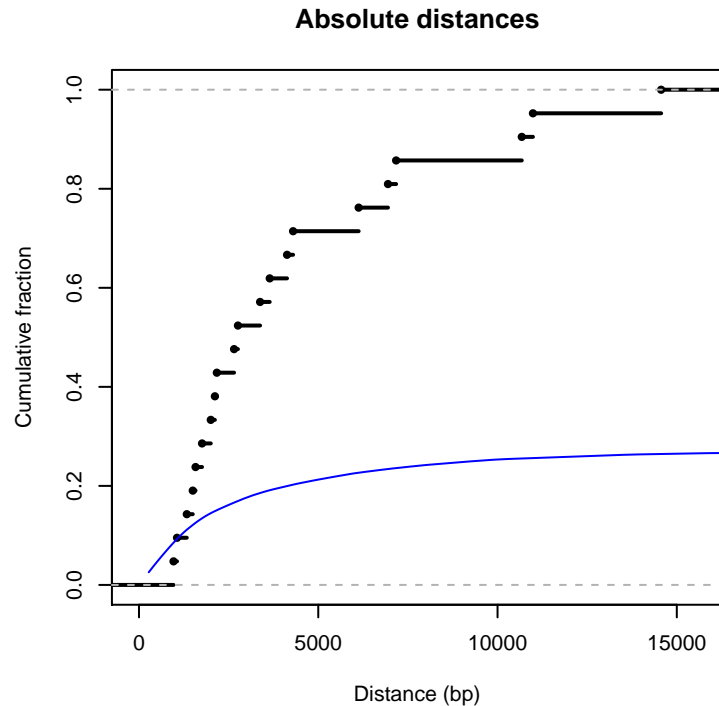
Query population : 22  
Reference population : 142  
Relative Ks p-value : 0.0662696  
Relative ecdf deviation area : 0.0568266  
Relative ecdf area correlation : -0.21722  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.219339  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





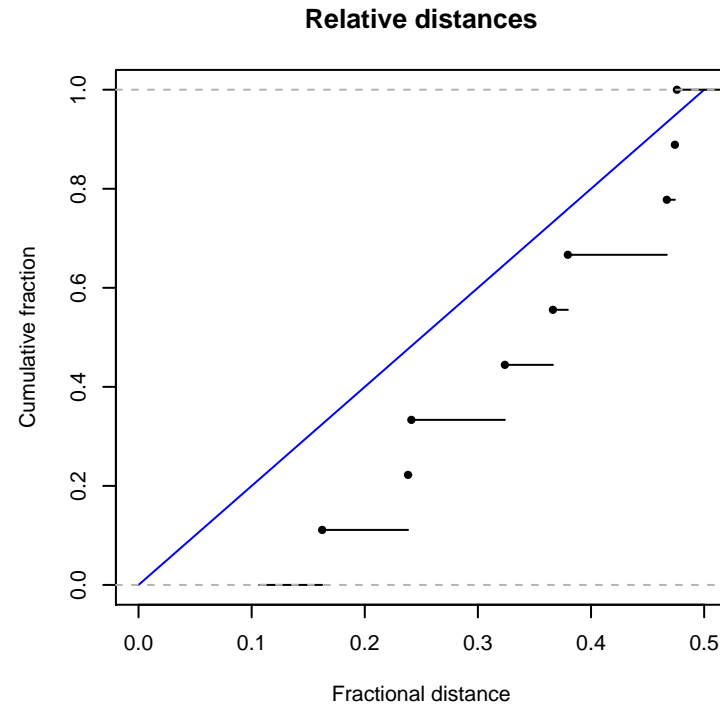
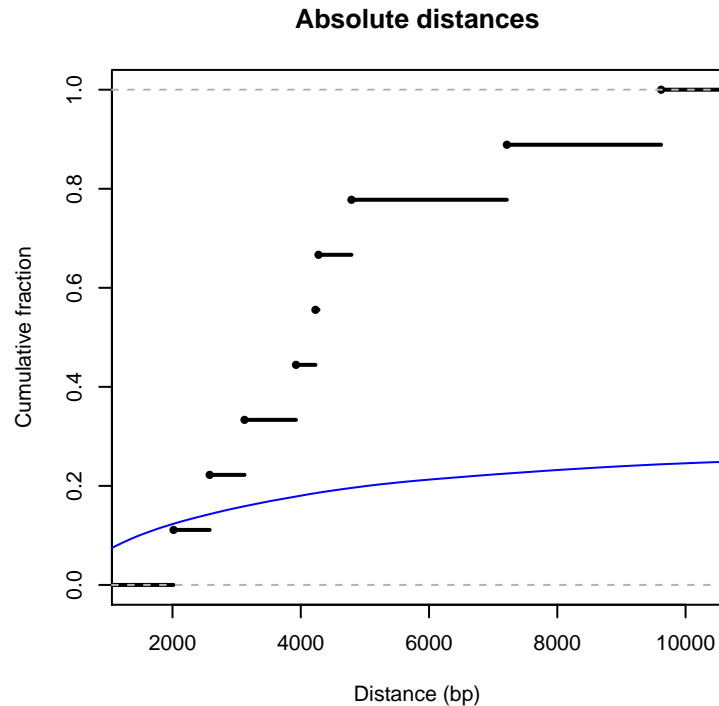
# pcontig\_042

Query population : 21  
Reference population : 144  
Relative Ks p-value : 0.0341164  
Relative ecdf deviation area : 0.0812755  
Relative ecdf area correlation : -0.324892  
Relative ecdf deviation area p-value : 0.02  
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 : 0.241692  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



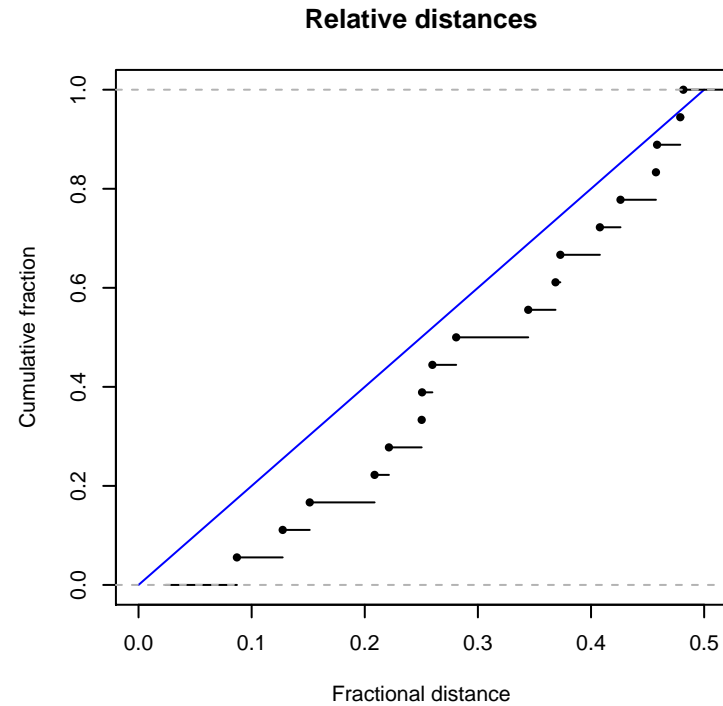
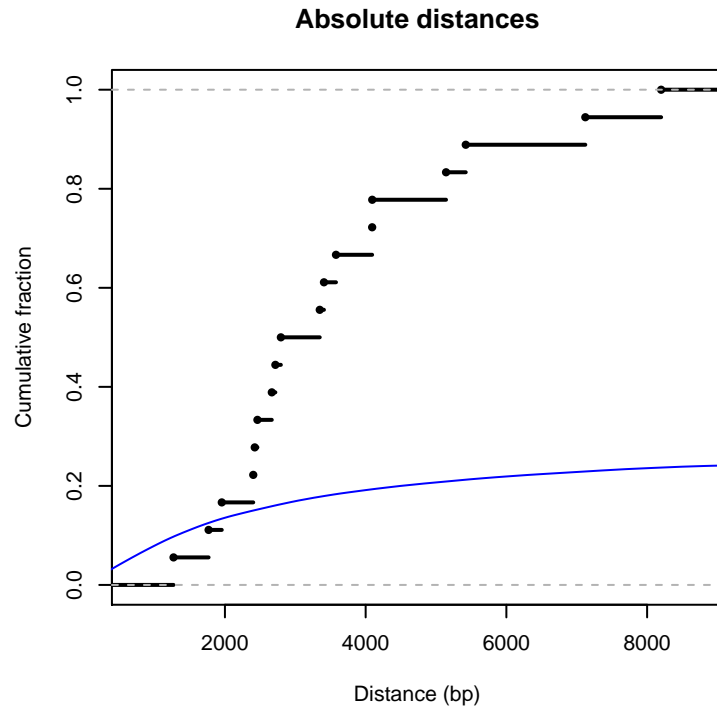
# pcontig\_043

Query population : 9  
Reference population : 113  
Relative Ks p-value : 0.138985  
Relative ecdf deviation area : 0.0992087  
Relative ecdf area correlation : -0.39043  
Relative ecdf deviation area p-value : 0.04  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.34  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.391136  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



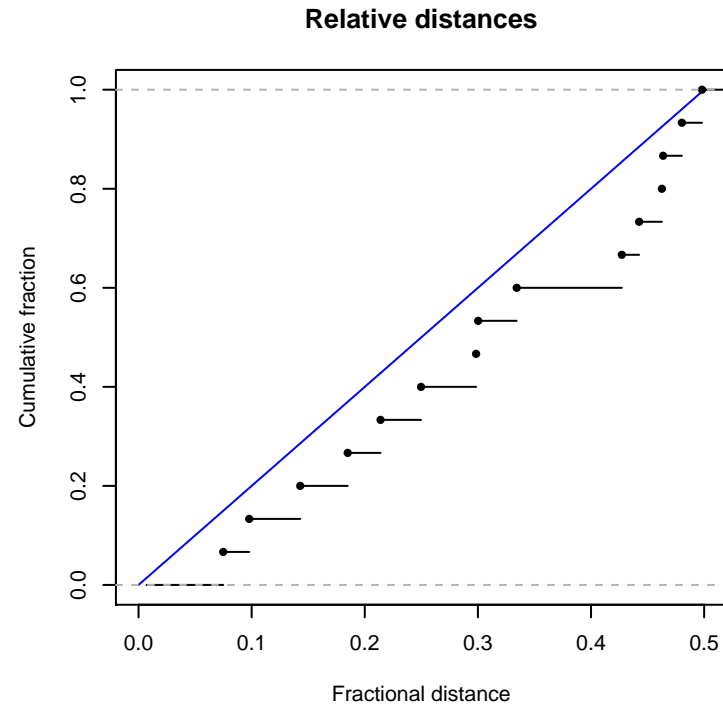
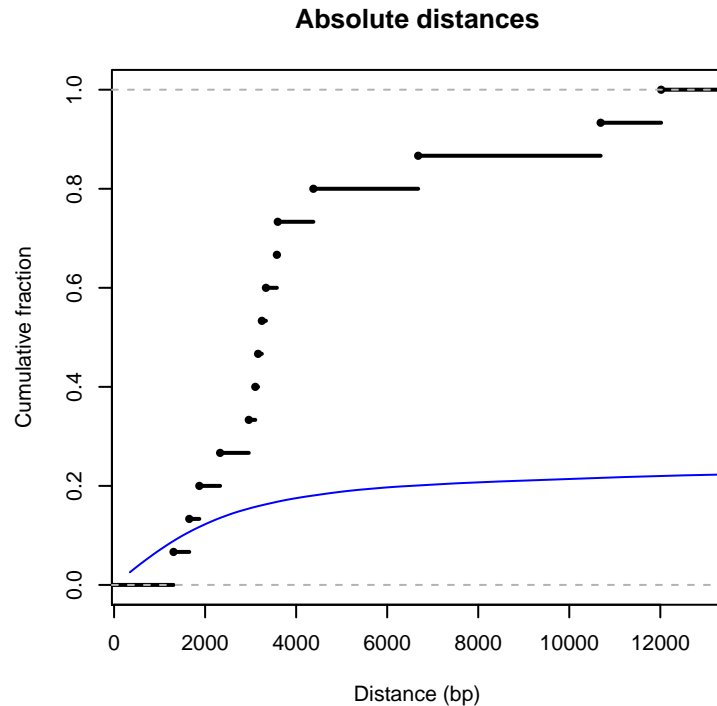
# pcontig\_044

Query population : 18  
Reference population : 126  
Relative Ks p-value : 0.175004  
Relative ecdf deviation area : 0.0634921  
Relative ecdf area correlation : -0.251885  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.12  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.293872  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



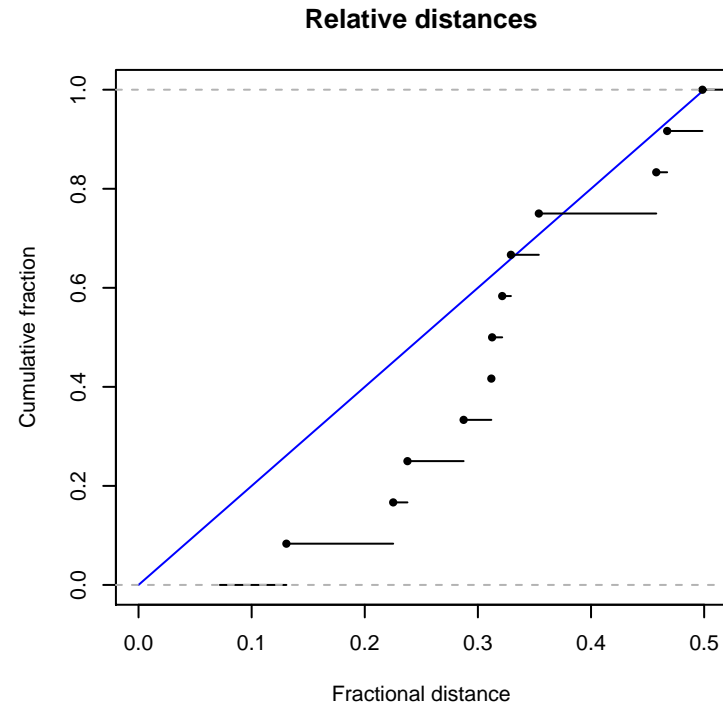
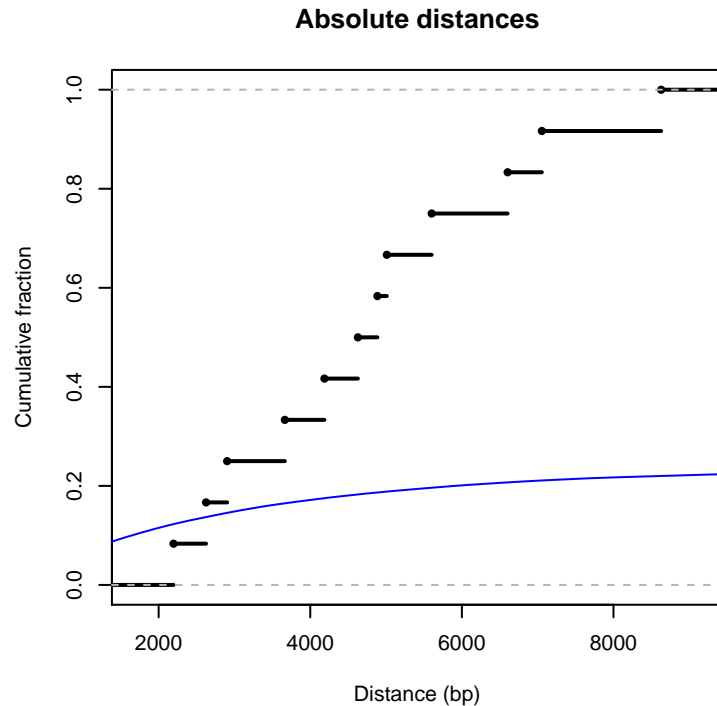
# pcontig\_045

Query population : 15  
Reference population : 113  
Relative Ks p-value : 0.241482  
Relative ecdf deviation area : 0.0607511  
Relative ecdf area correlation : -0.245785  
Relative ecdf deviation area p-value : 0.13  
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 : 0.389035  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



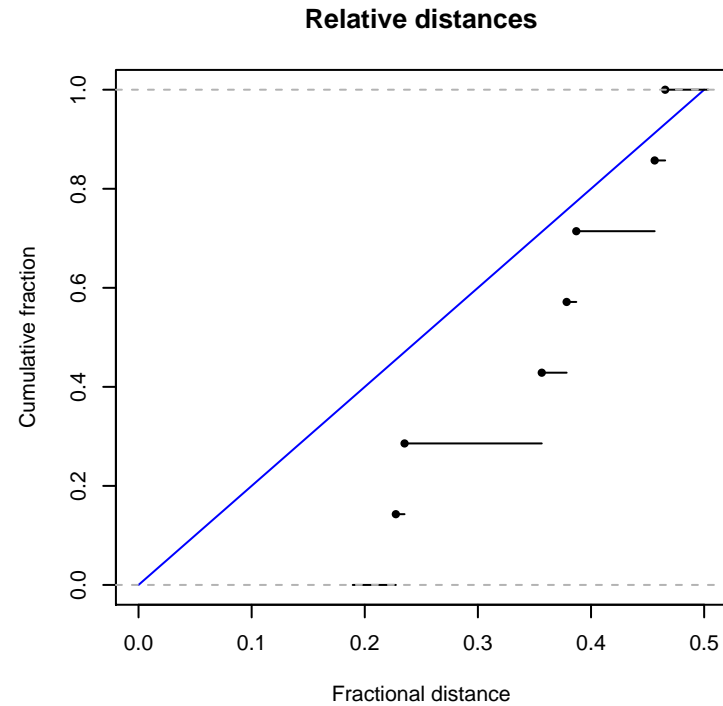
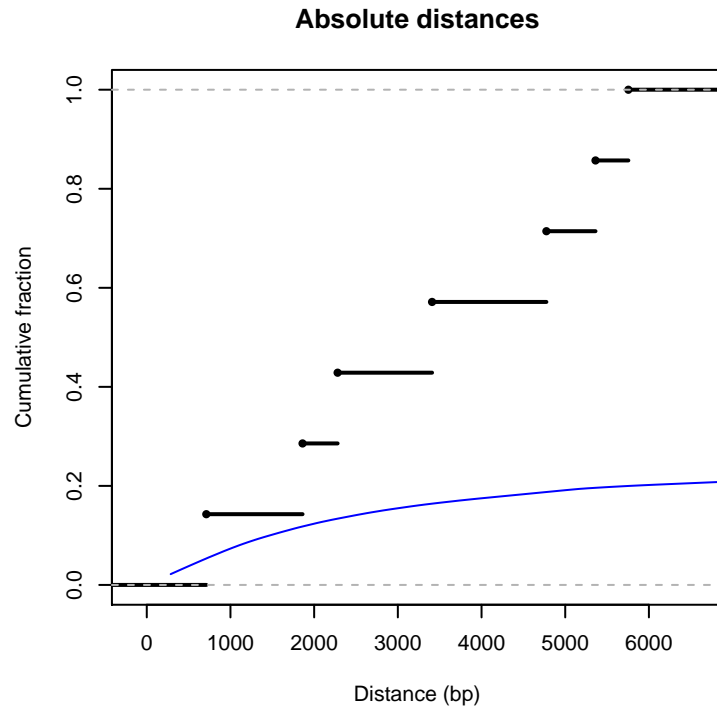
# pcontig\_046

Query population : 12  
Reference population : 110  
Relative Ks p-value : 0.0589904  
Relative ecdf deviation area : 0.0786498  
Relative ecdf area correlation : -0.311128  
Relative ecdf deviation area p-value : 0.1  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.32  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.449786  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



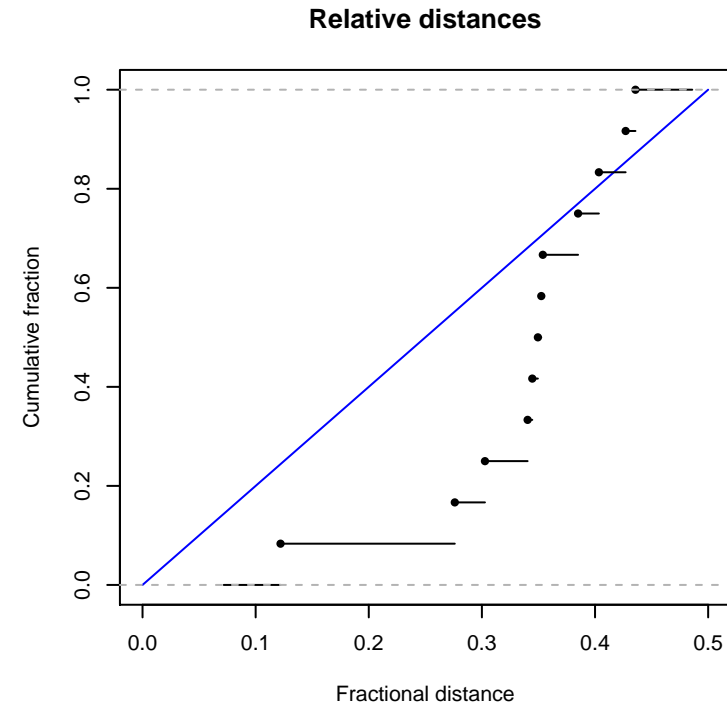
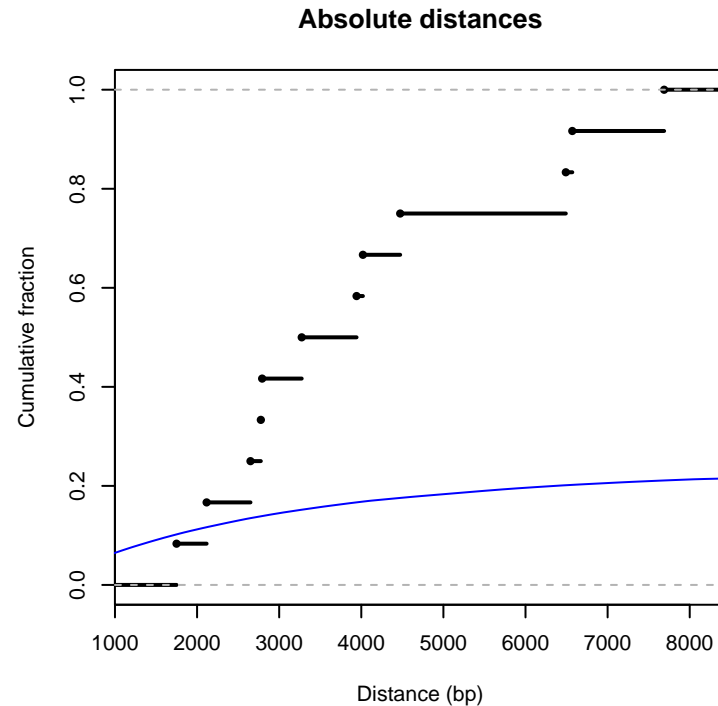
# pcontig\_047

Query population : 7  
Reference population : 117  
Relative Ks p-value : 0.0767422  
Relative ecdf deviation area : 0.110131  
Relative ecdf area correlation : -0.432165  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.42  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.388009  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



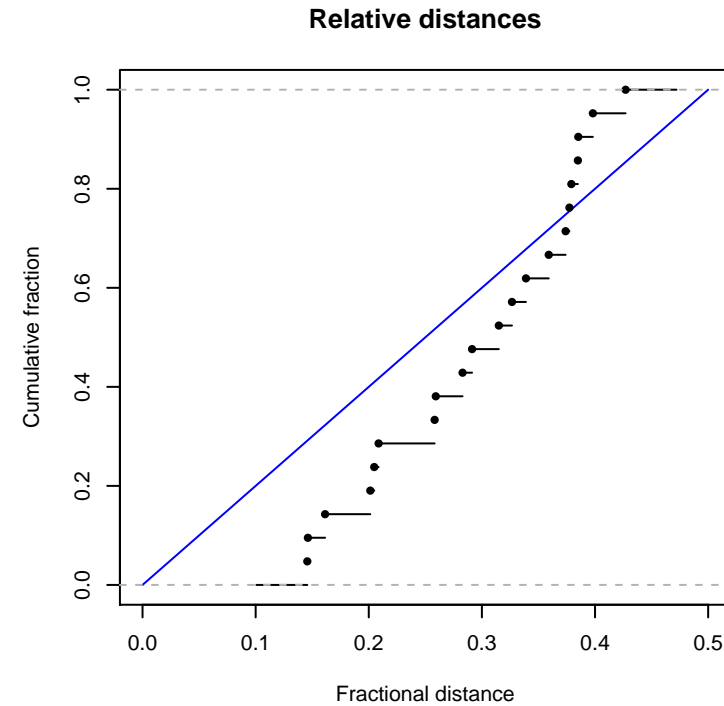
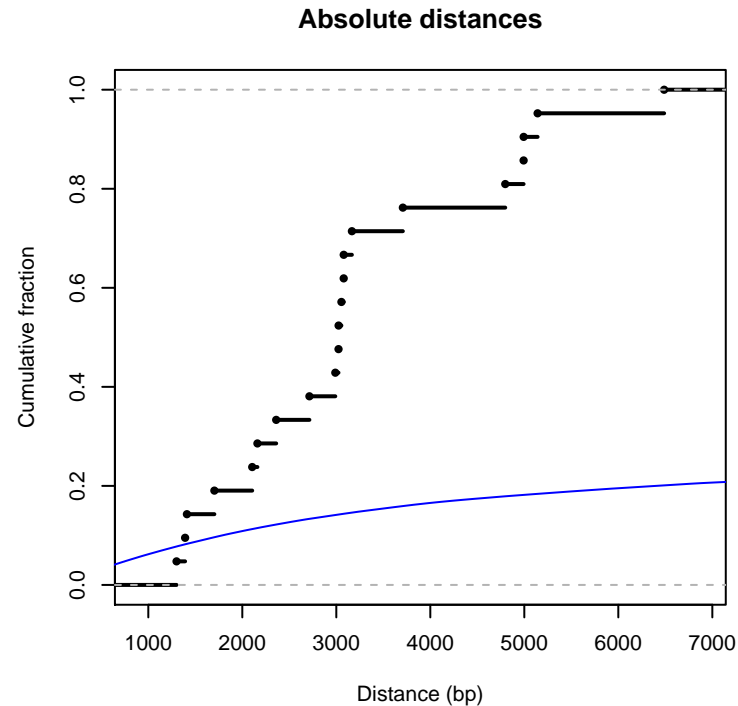
# pcontig\_048

Query population : 12  
Reference population : 106  
Relative Ks p-value : 0.00613808  
Relative ecdf deviation area : 0.100438  
Relative ecdf area correlation : -0.36424  
Relative ecdf deviation area p-value : 0.02  
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 : 0.466529  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_049

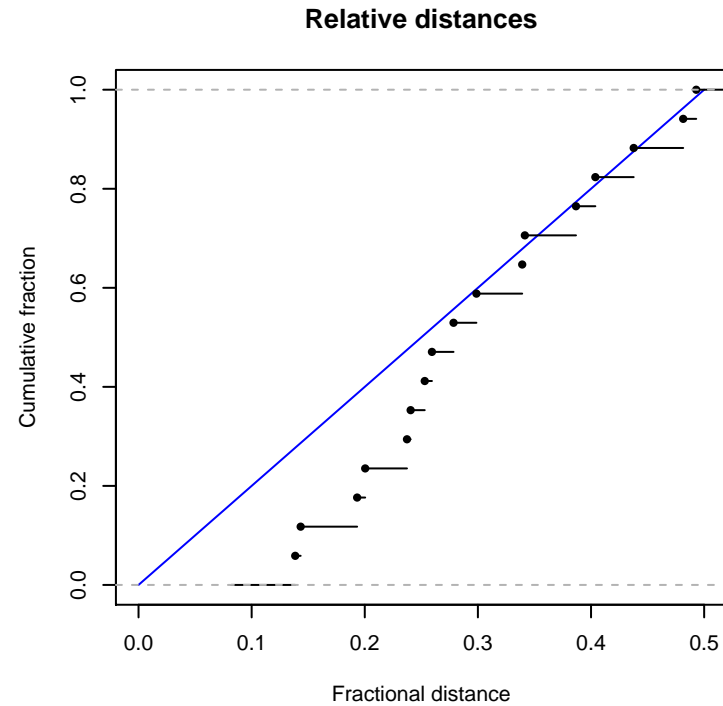
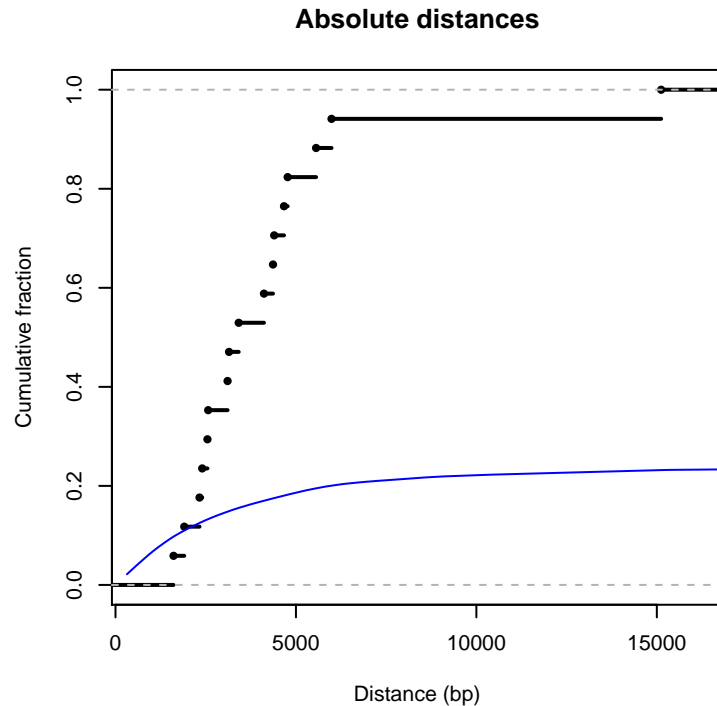
Query population : 21  
Reference population : 100  
Relative Ks p-value : 0.0450406  
Relative ecdf deviation area : 0.0682993  
Relative ecdf area correlation : -0.185711  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.09  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.286487  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0





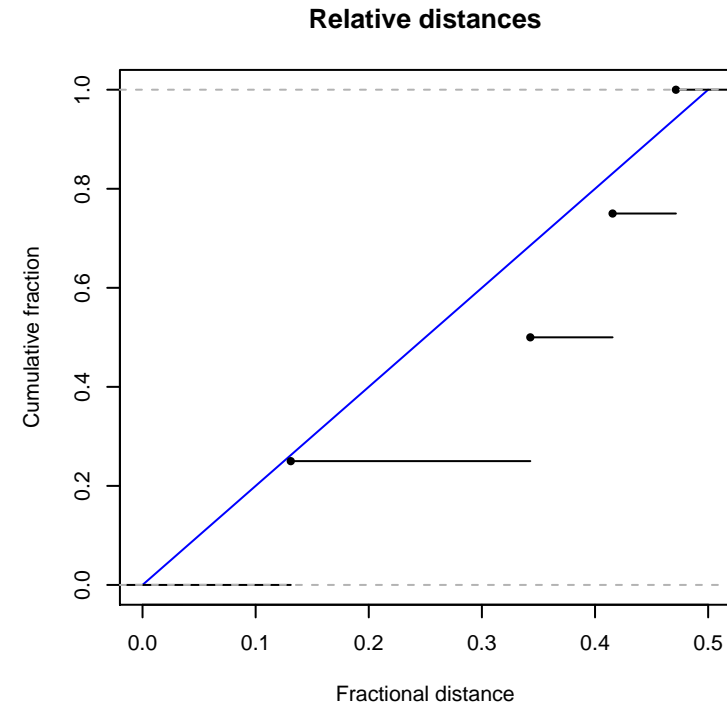
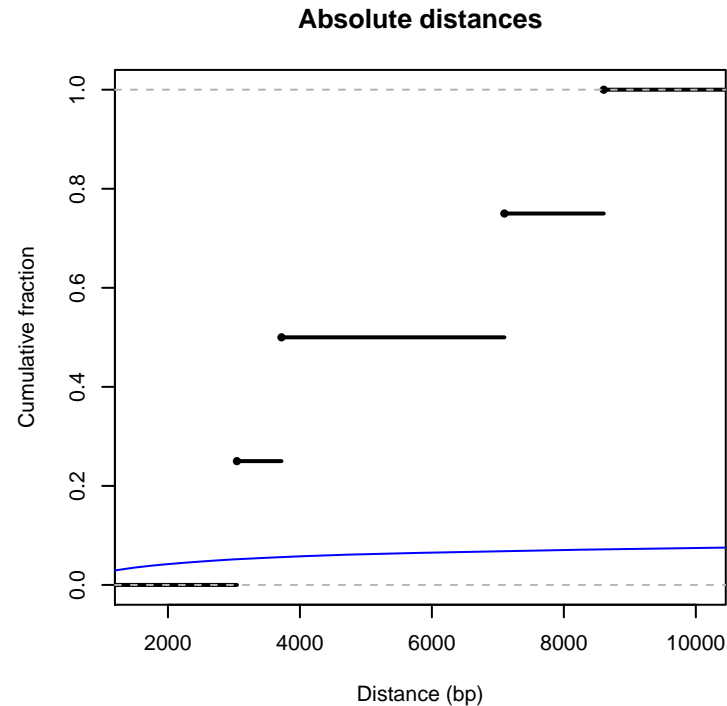
# pcontig\_050

Query population : 17  
Reference population : 104  
Relative Ks p-value : 0.120622  
Relative ecdf deviation area : 0.0521408  
Relative ecdf area correlation : -0.206166  
Relative ecdf deviation area p-value : 0.14  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.16  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.40276  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



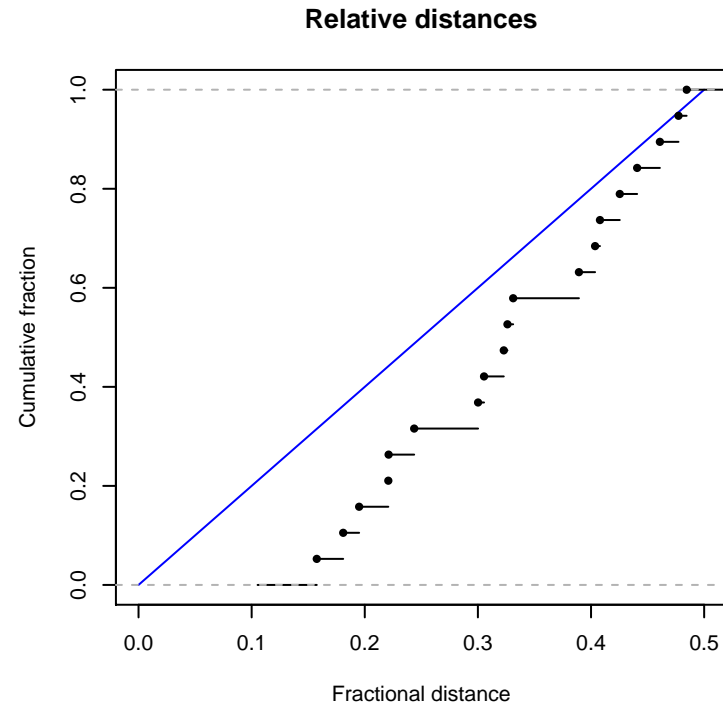
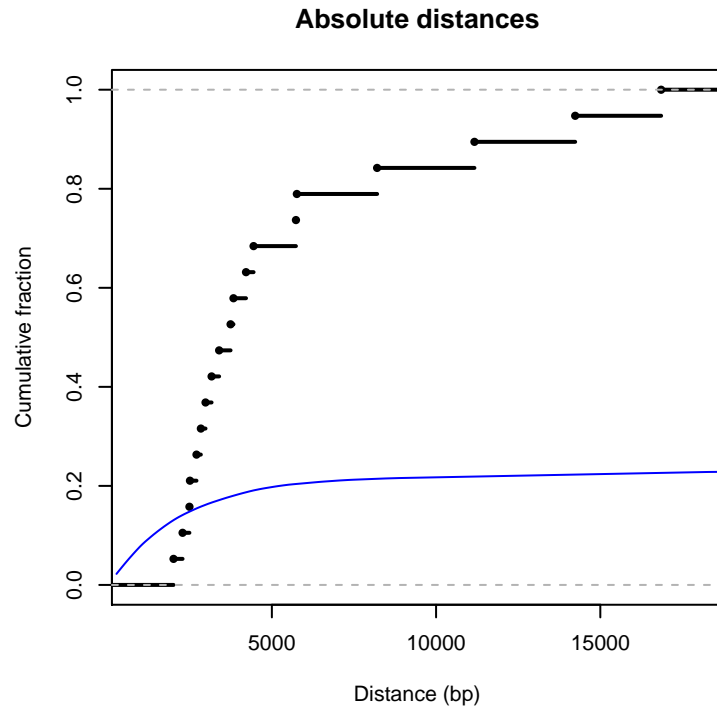
# pcontig\_051

Query population : 4  
Reference population : 41  
Relative Ks p-value : 0.331206  
Relative ecdf deviation area : 0.0919115  
Relative ecdf area correlation : -0.36086  
Relative ecdf deviation area p-value : 0.3  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.18  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.069128  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



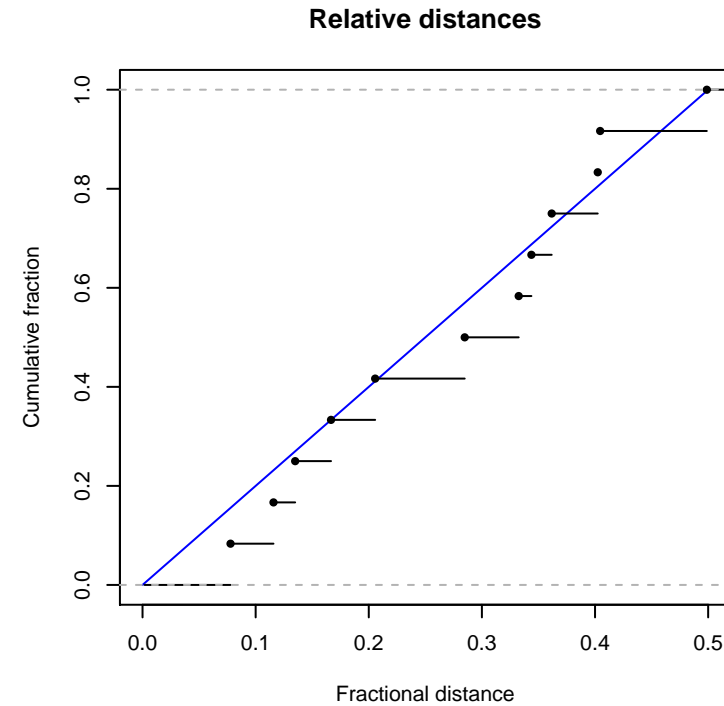
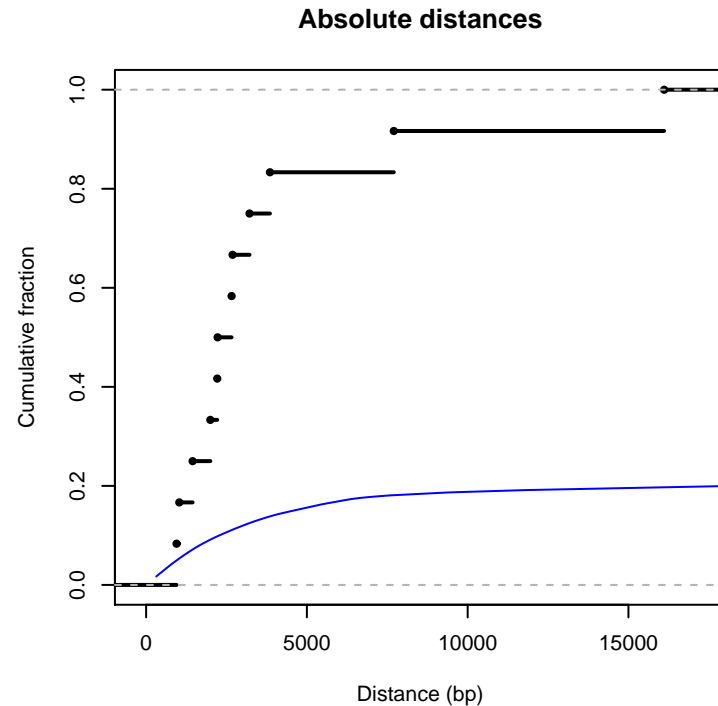
# pcontig\_052

Query population : 19  
Reference population : 127  
Relative Ks p-value : 0.0355564  
Relative ecdf deviation area : 0.0819375  
Relative ecdf area correlation : -0.325163  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.05  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.296763  
Projection test lower tail : TRUE  
Projection test observed to expected ratio : 0



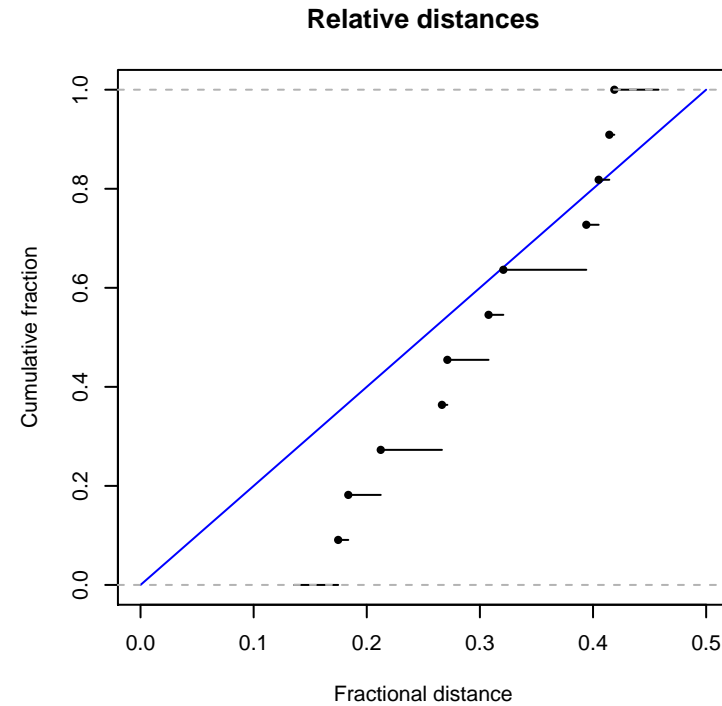
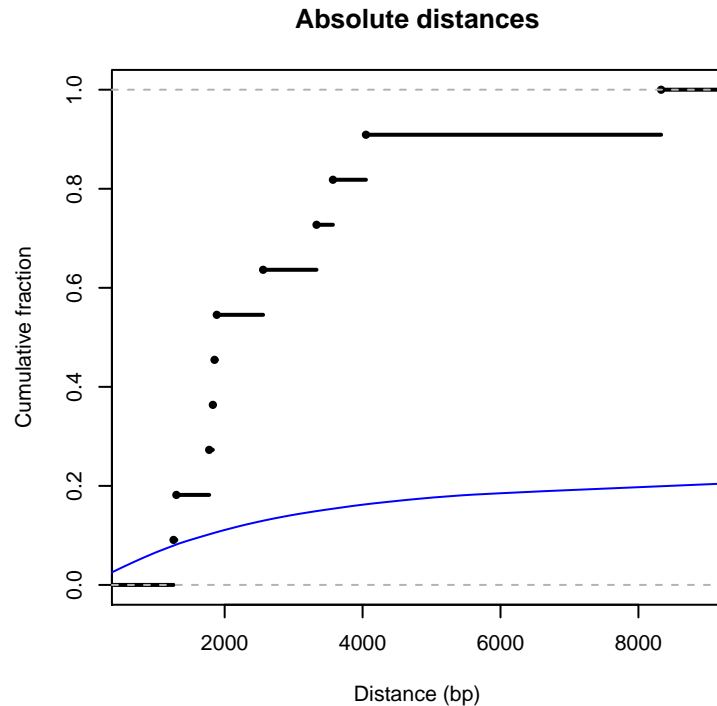
# pcontig\_054

Query population : 12  
Reference population : 83  
Relative Ks p-value : 0.847795  
Relative ecdf deviation area : 0.033325  
Relative ecdf area correlation : -0.109773  
Relative ecdf deviation area p-value : 0.63  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.28  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.390485  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



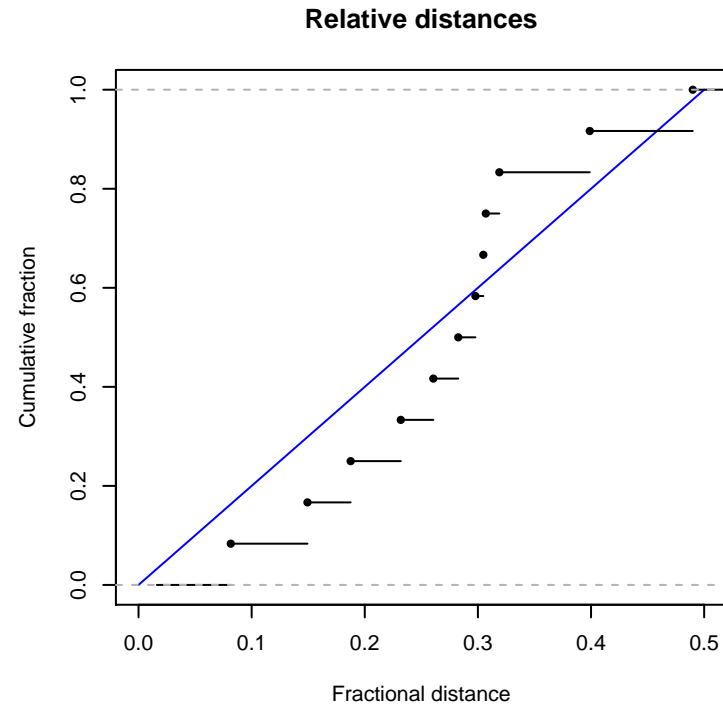
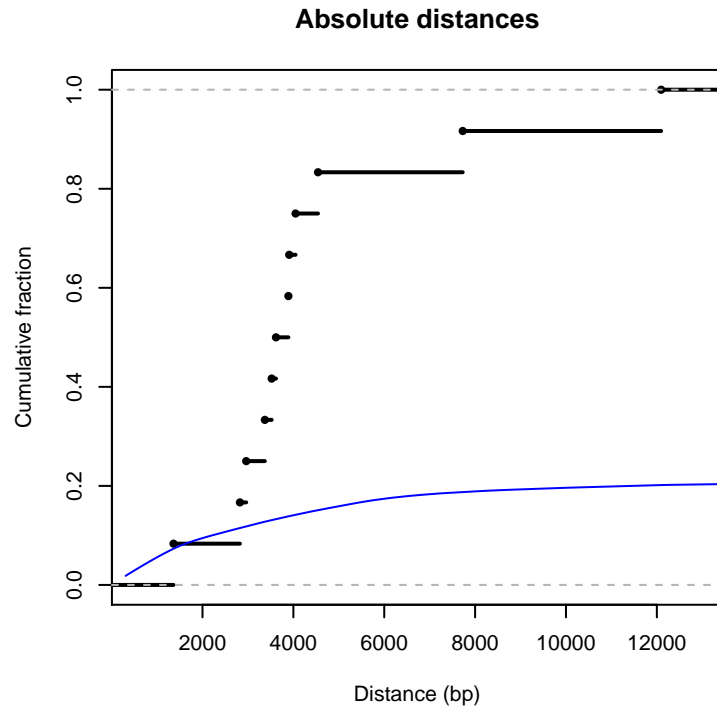
# pcontig\_055

Query population : 11  
Reference population : 107  
Relative Ks p-value : 0.105078  
Relative ecdf deviation area : 0.0705655  
Relative ecdf area correlation : -0.225147  
Relative ecdf deviation area p-value : 0.13  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.3  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.465222  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



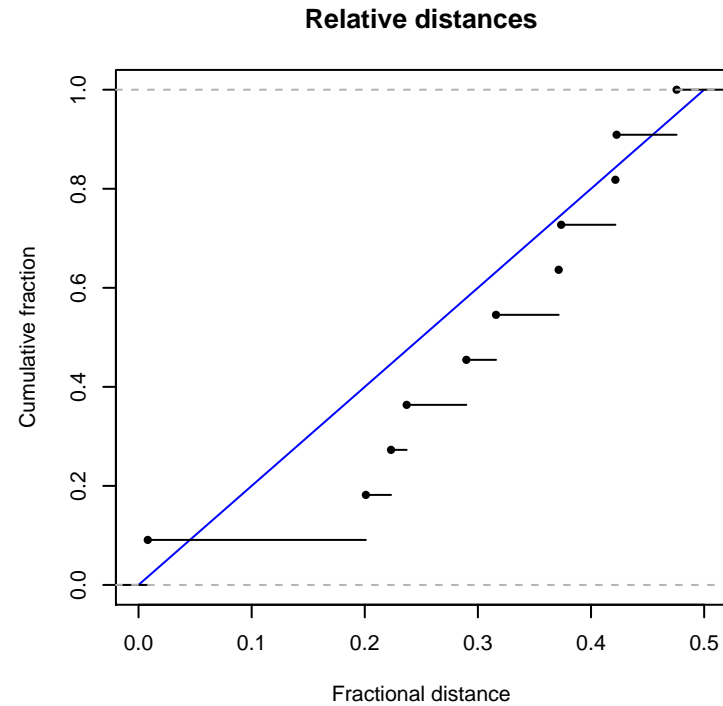
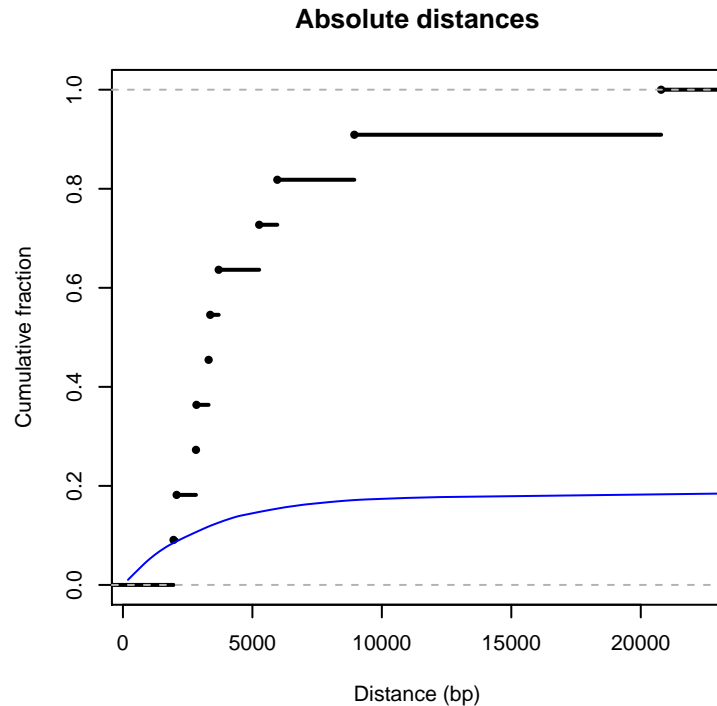
# pcontig\_056

Query population : 12  
Reference population : 91  
Relative Ks p-value : 0.562625  
Relative ecdf deviation area : 0.0548616  
Relative ecdf area correlation : -0.103606  
Relative ecdf deviation area p-value : 0.23  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.21  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.401695  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



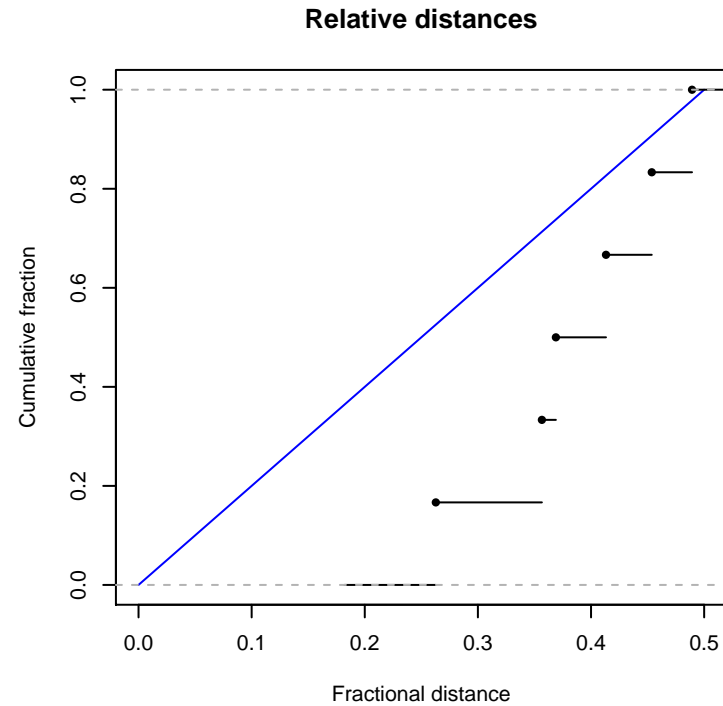
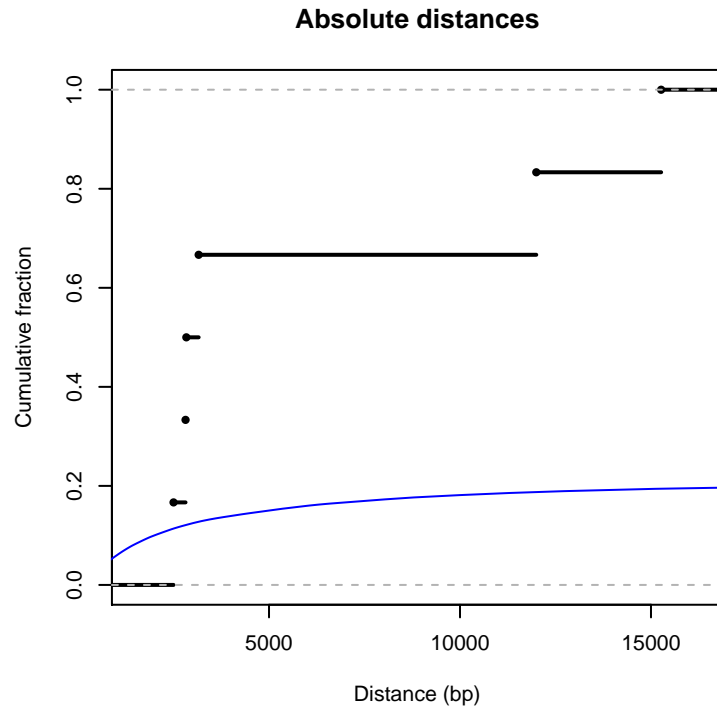
# pcontig\_057

Query population : 11  
Reference population : 81  
Relative Ks p-value : 0.192105  
Relative ecdf deviation area : 0.0593045  
Relative ecdf area correlation : -0.21453  
Relative ecdf deviation area p-value : 0.21  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.34  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.386065  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_058

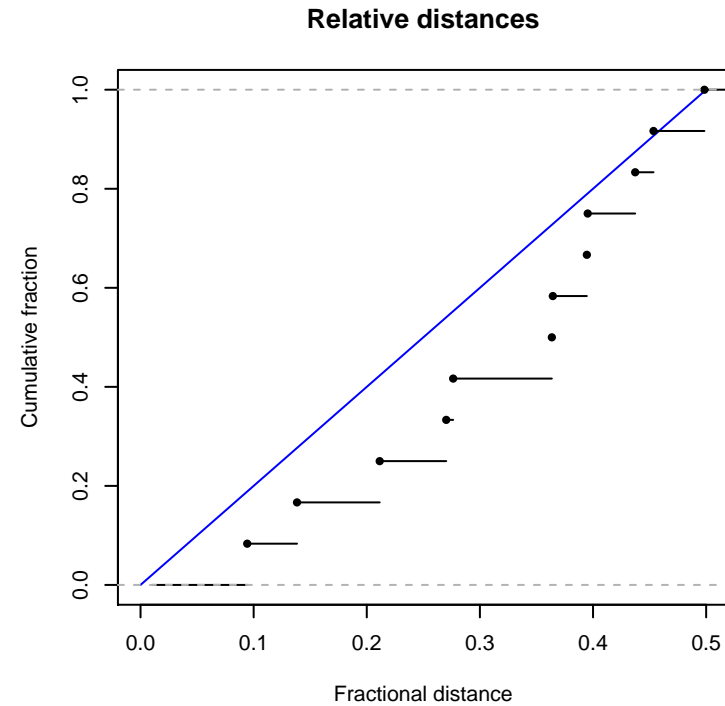
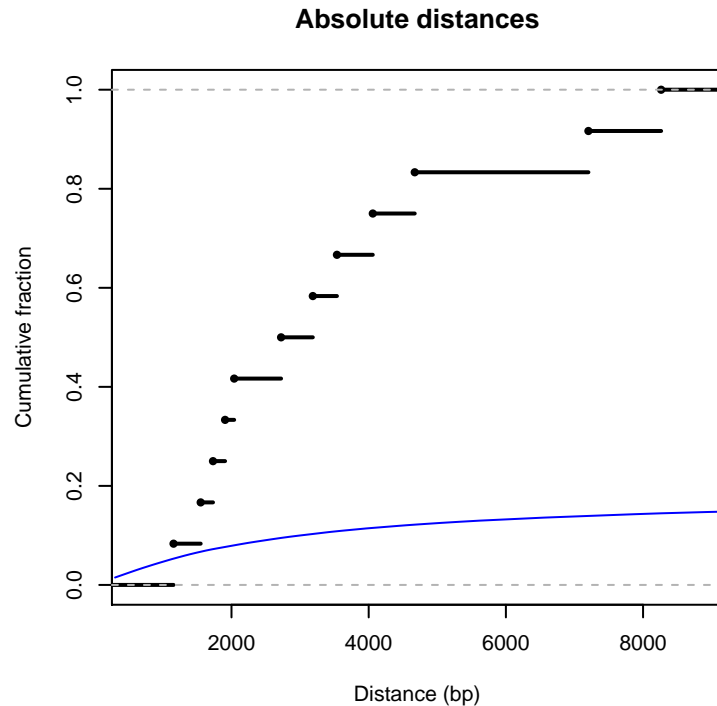
Query population : 6  
Reference population : 95  
Relative Ks p-value : 0.033169  
Relative ecdf deviation area : 0.141123  
Relative ecdf area correlation : -0.563  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.44  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.256458  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





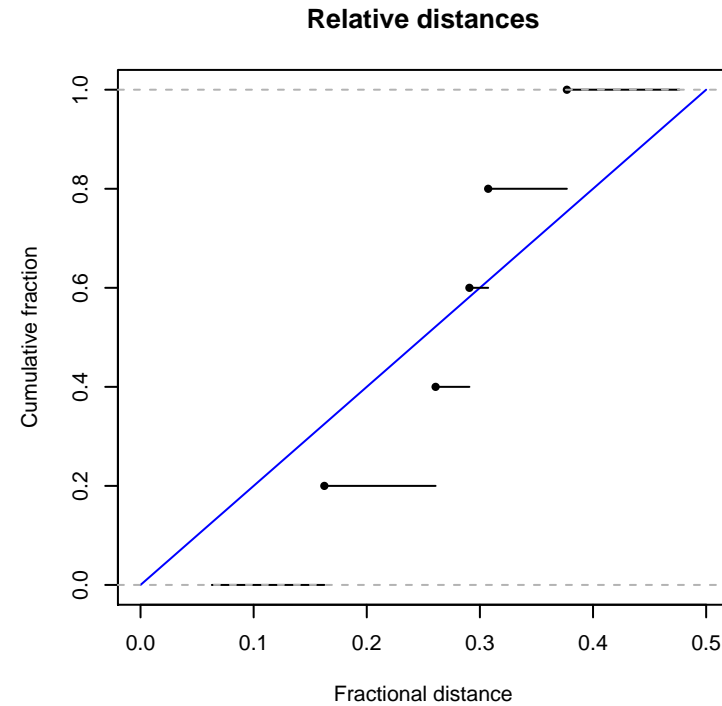
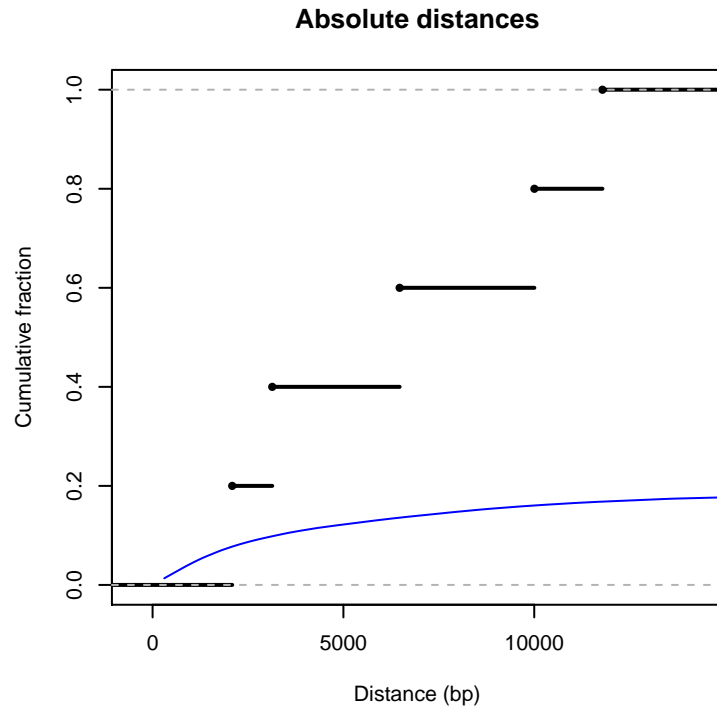
# pcontig\_059

Query population : 12  
Reference population : 76  
Relative Ks p-value : 0.158863  
Relative ecdf deviation area : 0.0747405  
Relative ecdf area correlation : -0.299245  
Relative ecdf deviation area p-value : 0.09  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.42  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.407726  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



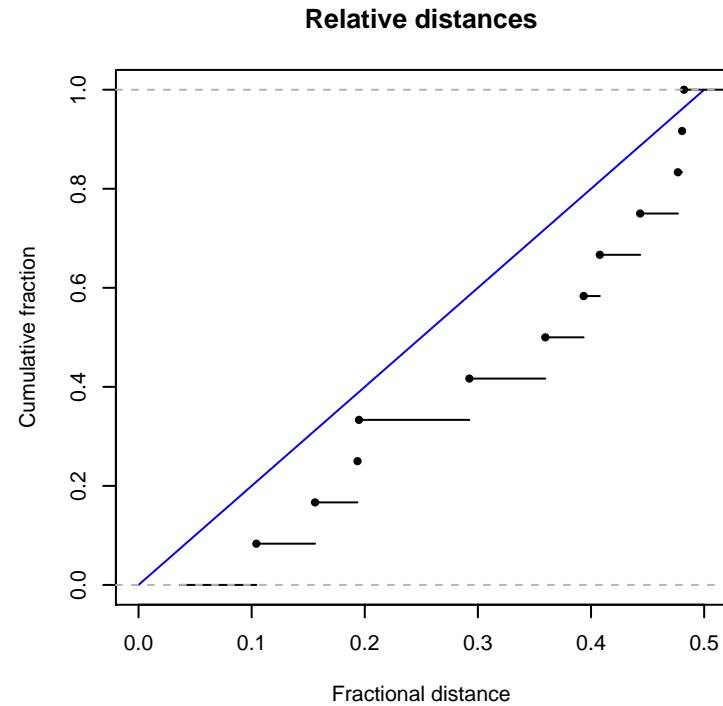
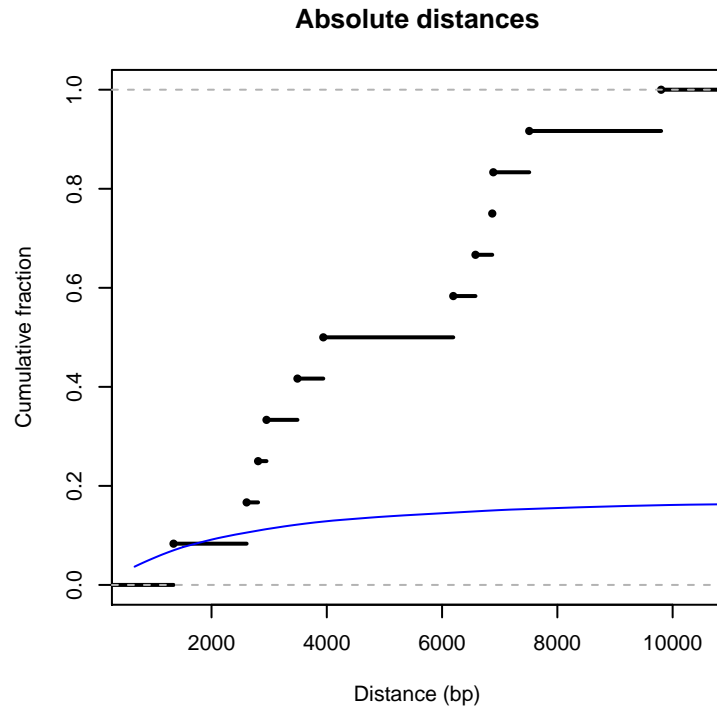
# pcontig\_060

Query population : 5  
Reference population : 67  
Relative Ks p-value : 0.565491  
Relative ecdf deviation area : 0.076287  
Relative ecdf area correlation : -0.118601  
Relative ecdf deviation area p-value : 0.34  
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 : 0.198266  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



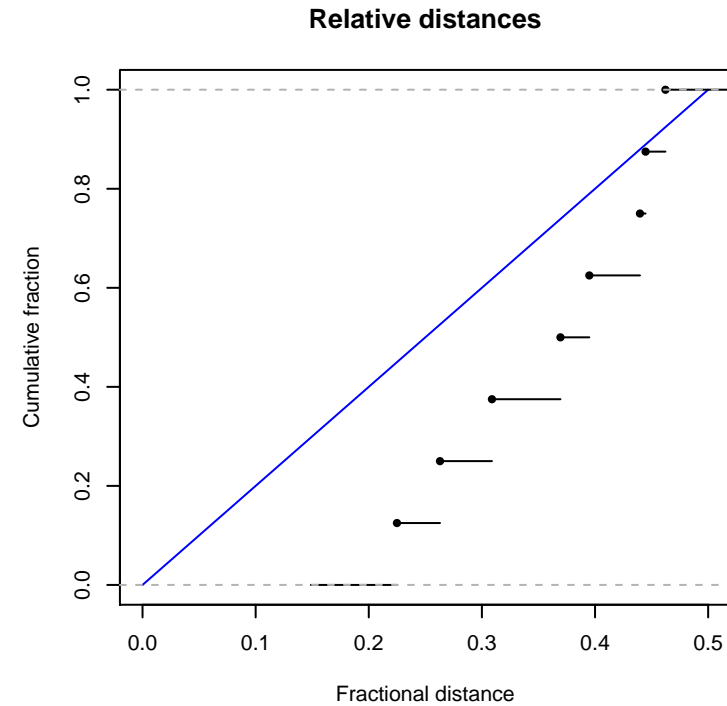
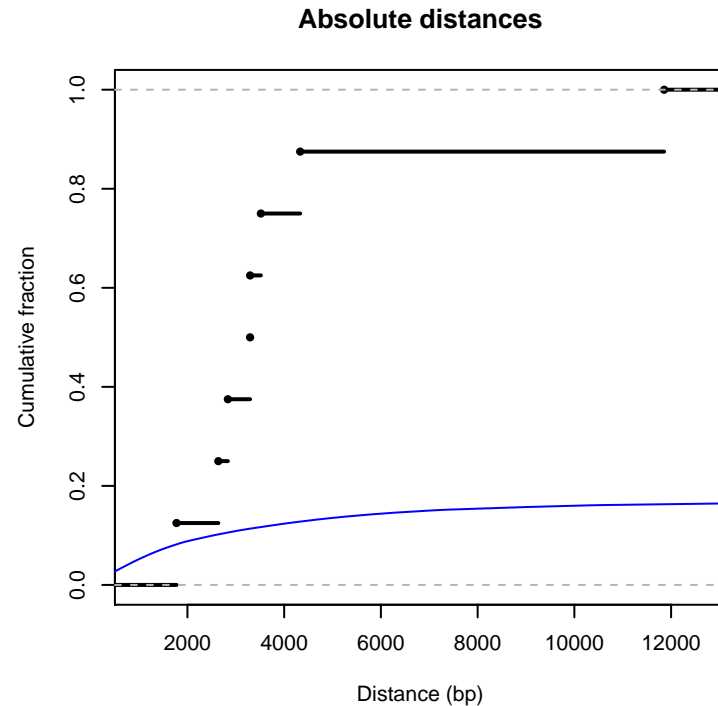
# pcontig\_062

Query population : 12  
Reference population : 85  
Relative Ks p-value : 0.180104  
Relative ecdf deviation area : 0.082718  
Relative ecdf area correlation : -0.328303  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.35  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.427767  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



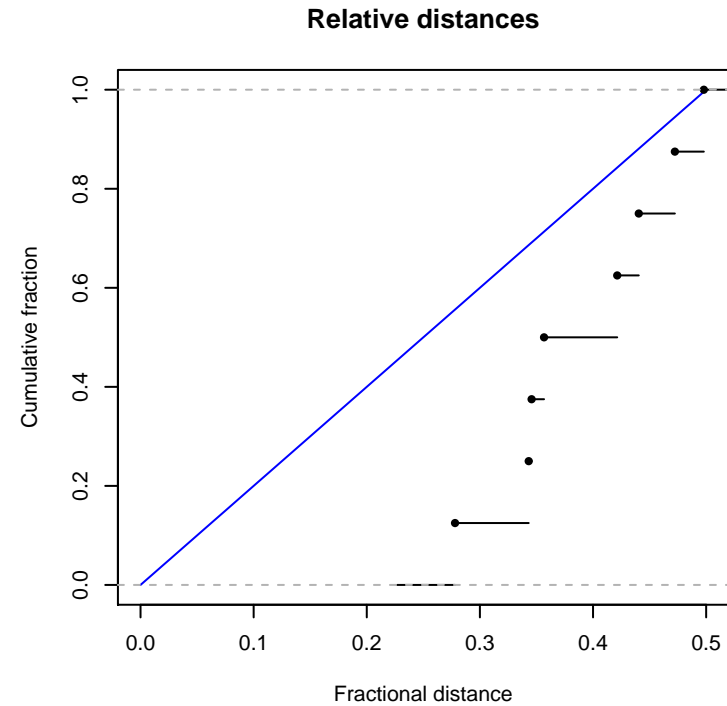
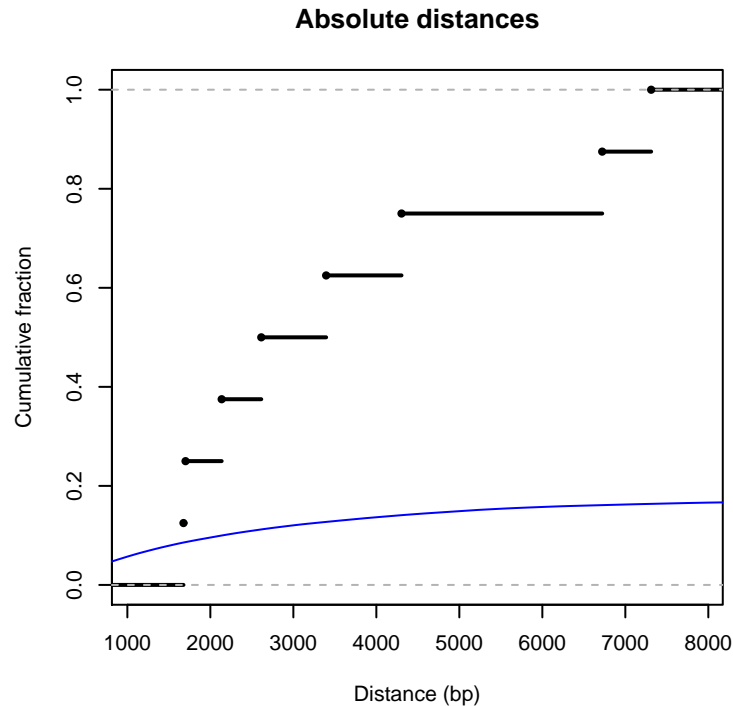
# pcontig\_064

Query population : 8  
Reference population : 84  
Relative Ks p-value : 0.0537583  
Relative ecdf deviation area : 0.116466  
Relative ecdf area correlation : -0.453909  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.5  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.283028  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



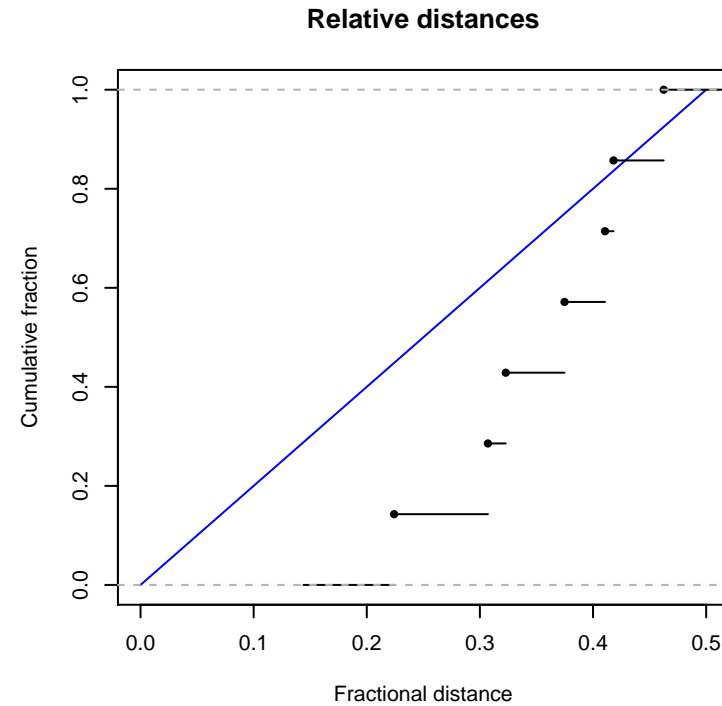
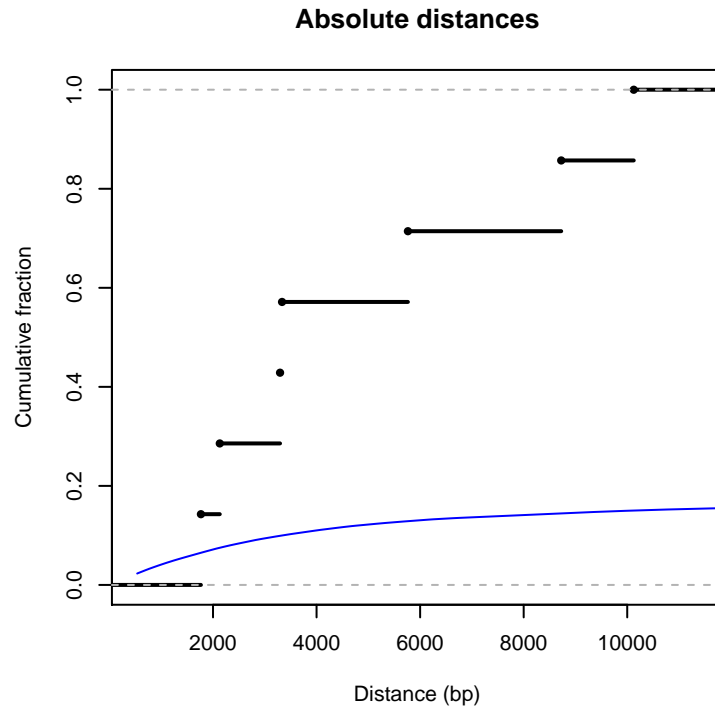
# pcontig\_065

Query population : 8  
Reference population : 93  
Relative Ks p-value : 0.00663549  
Relative ecdf deviation area : 0.144421  
Relative ecdf area correlation : -0.577876  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.39  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.306237  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



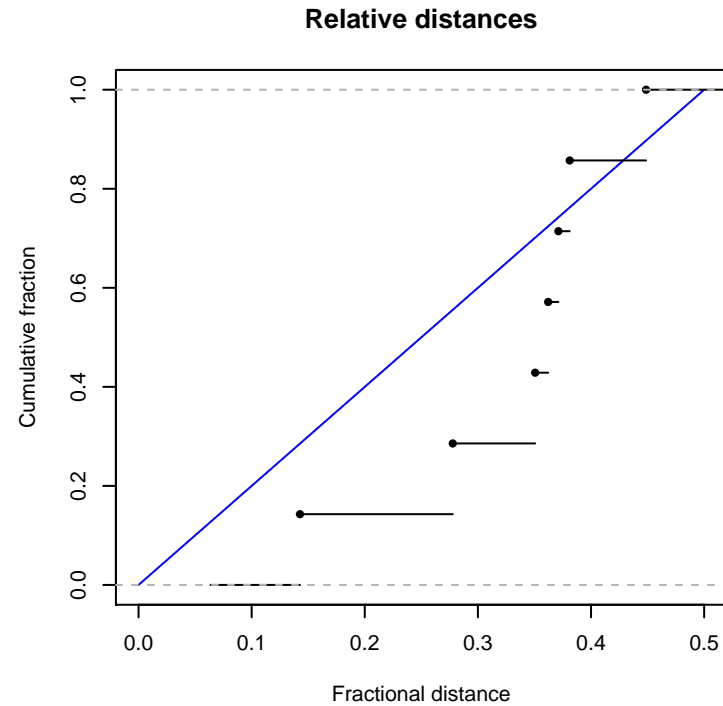
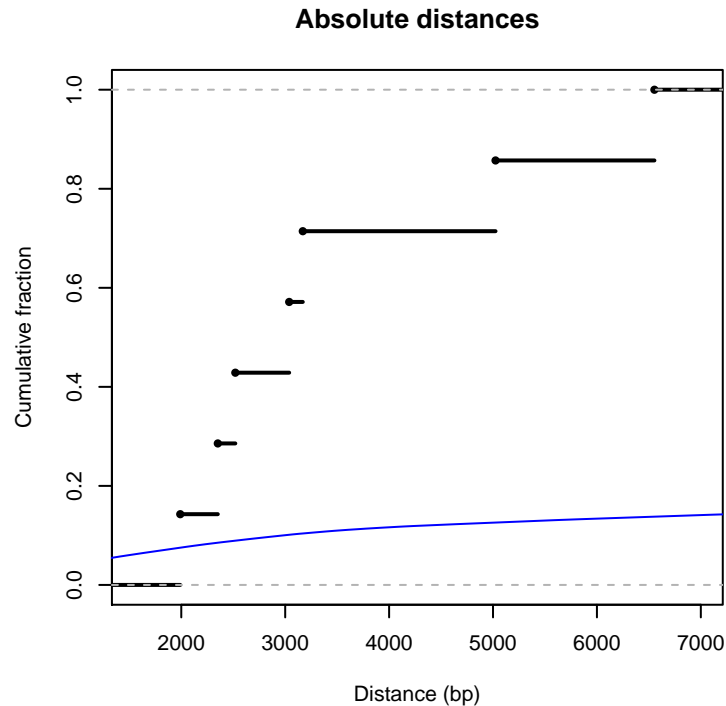
# pcontig\_066

Query population : 7  
Reference population : 66  
Relative Ks p-value : 0.0602152  
Relative ecdf deviation area : 0.113447  
Relative ecdf area correlation : -0.440066  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.49  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.178897  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



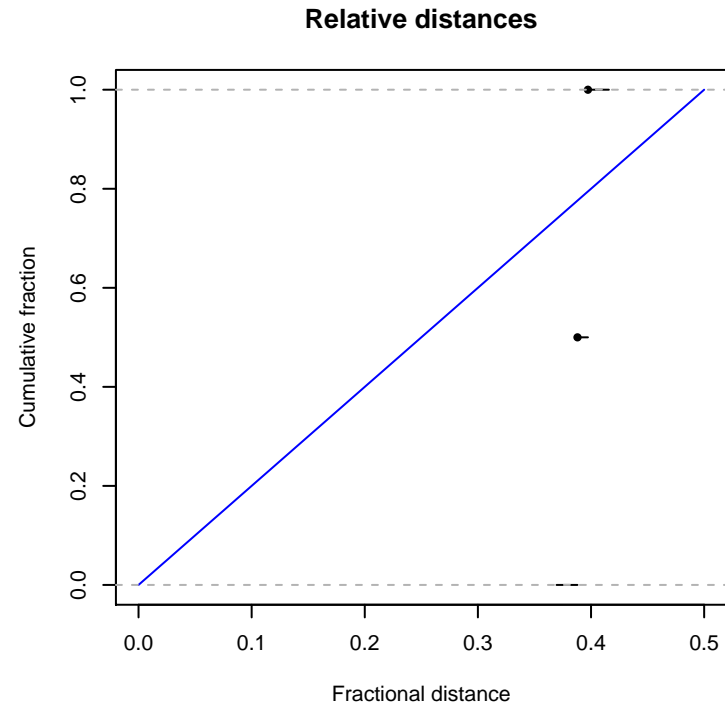
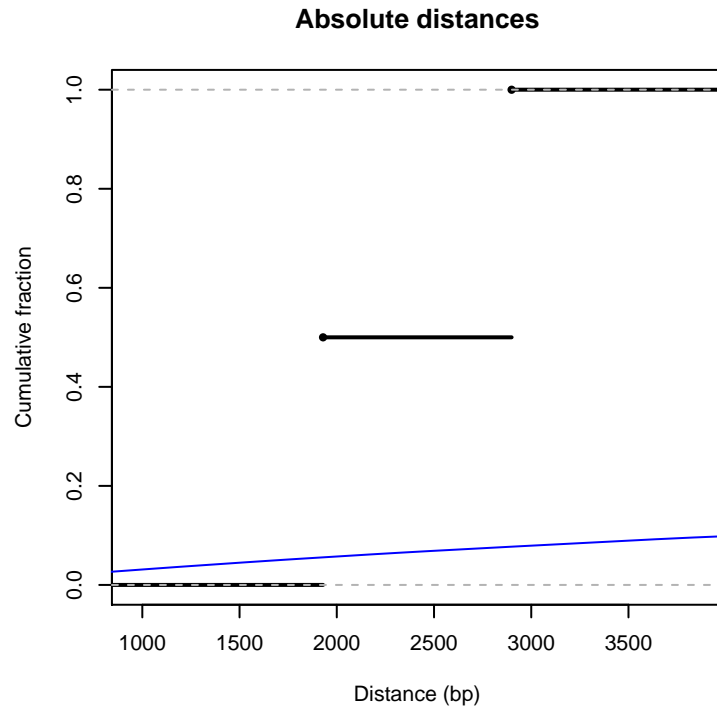
# pcontig\_067

Query population : 7  
Reference population : 69  
Relative Ks p-value : 0.131253  
Relative ecdf deviation area : 0.0935655  
Relative ecdf area correlation : -0.333847  
Relative ecdf deviation area p-value : 0.08  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.37  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.216381  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_068

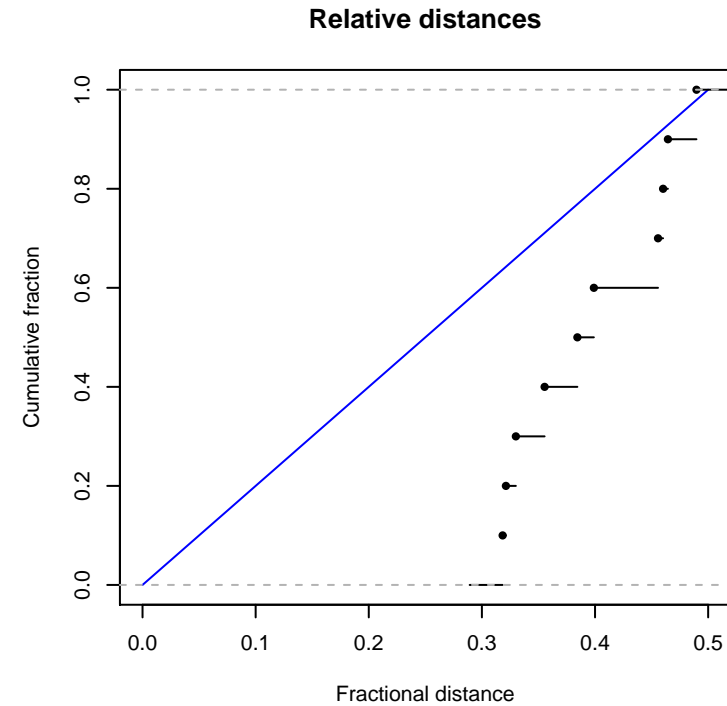
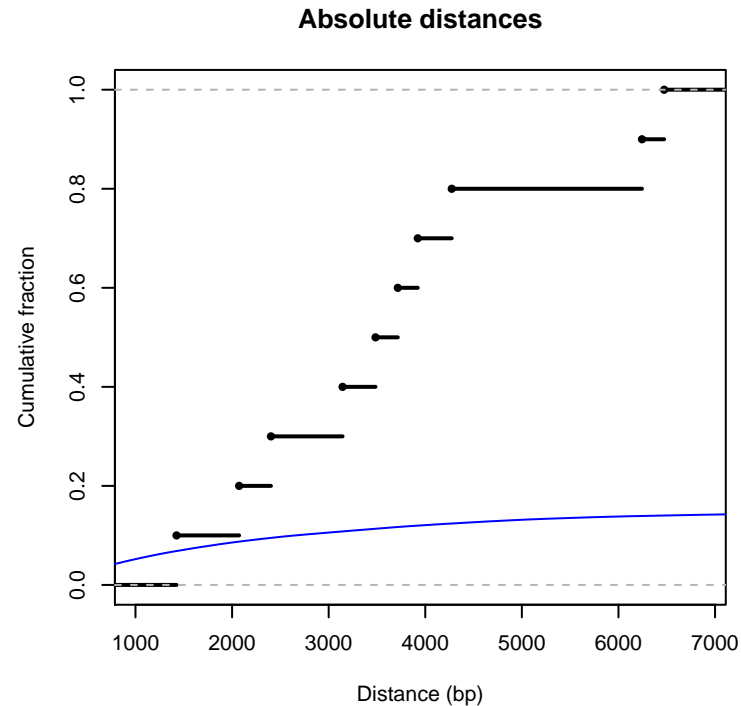
Query population : 2  
Reference population : 50  
Relative Ks p-value : 0.100291  
Relative ecdf deviation area : 0.163234  
Relative ecdf area correlation : -0.570641  
Relative ecdf deviation area p-value : 0.16  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.07  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0369924  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





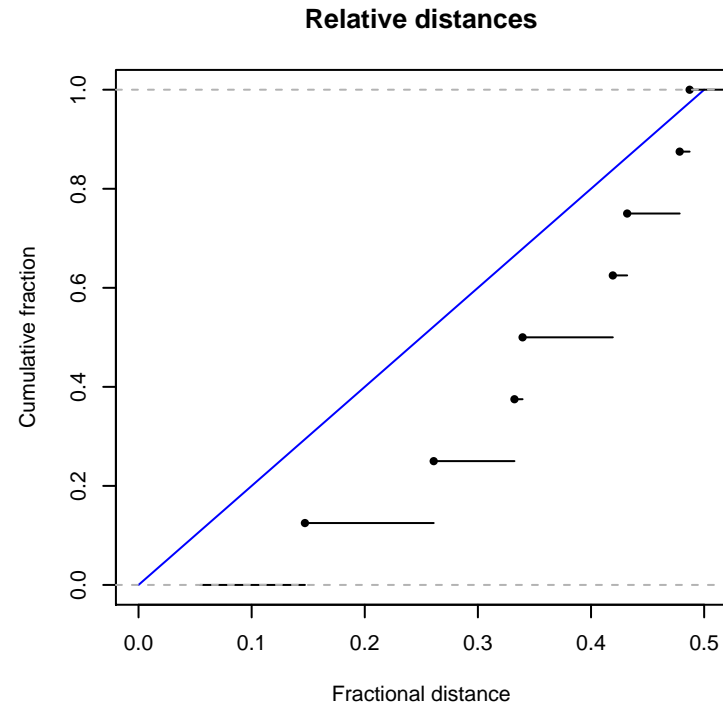
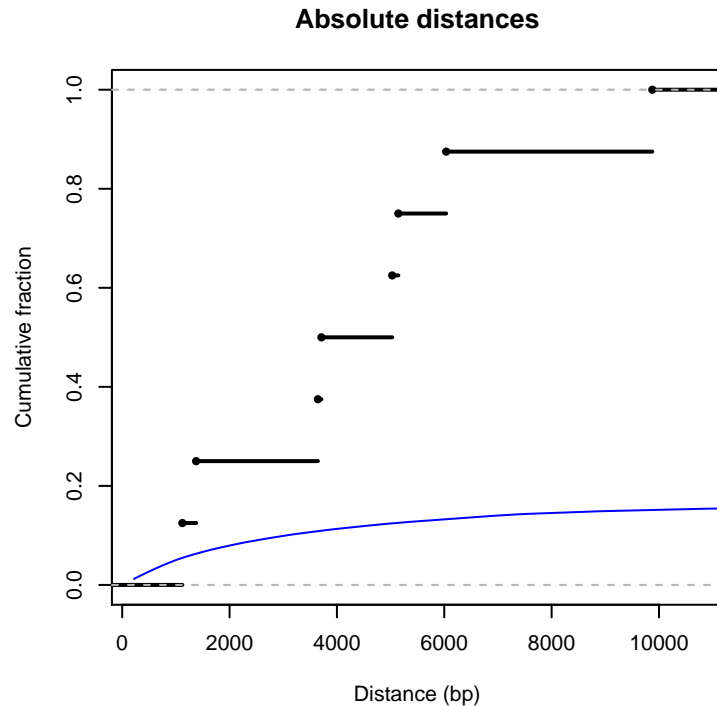
# pcontig\_069

Query population : 10  
Reference population : 86  
Relative Ks p-value : 0.000182724  
Relative ecdf deviation area : 0.147888  
Relative ecdf area correlation : -0.591336  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.45  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.338067  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_070

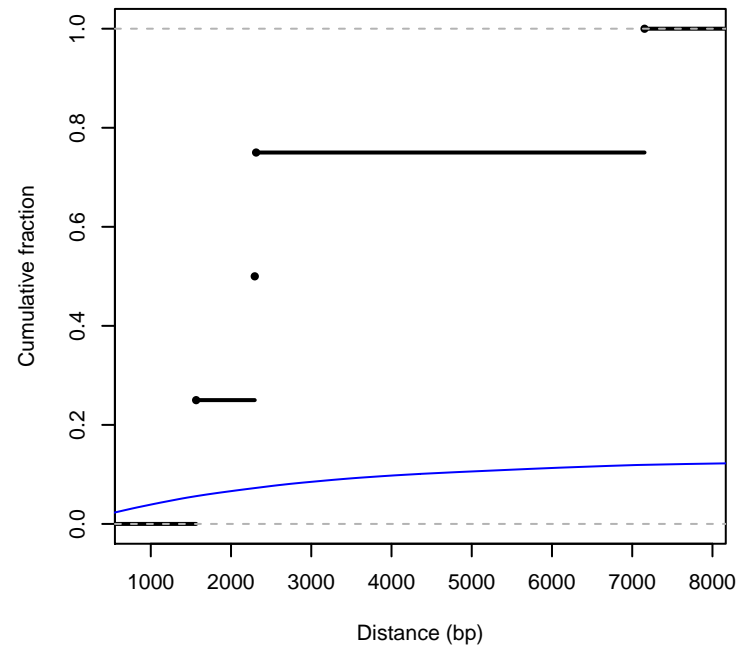
Query population : 8  
Reference population : 85  
Relative Ks p-value : 0.092939  
Relative ecdf deviation area : 0.112641  
Relative ecdf area correlation : -0.448281  
Relative ecdf deviation area p-value : 0.03  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.45  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.228972  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



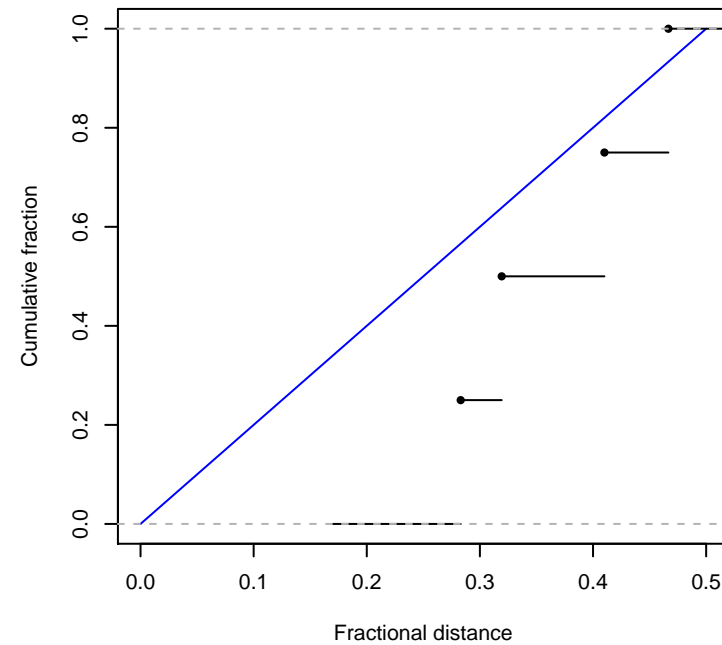
# pcontig\_072

Query population : 4  
Reference population : 66  
Relative Ks p-value : 0.0991303  
Relative ecdf deviation area : 0.121646  
Relative ecdf area correlation : -0.478999  
Relative ecdf deviation area p-value : 0.14  
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 : 0.110223  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

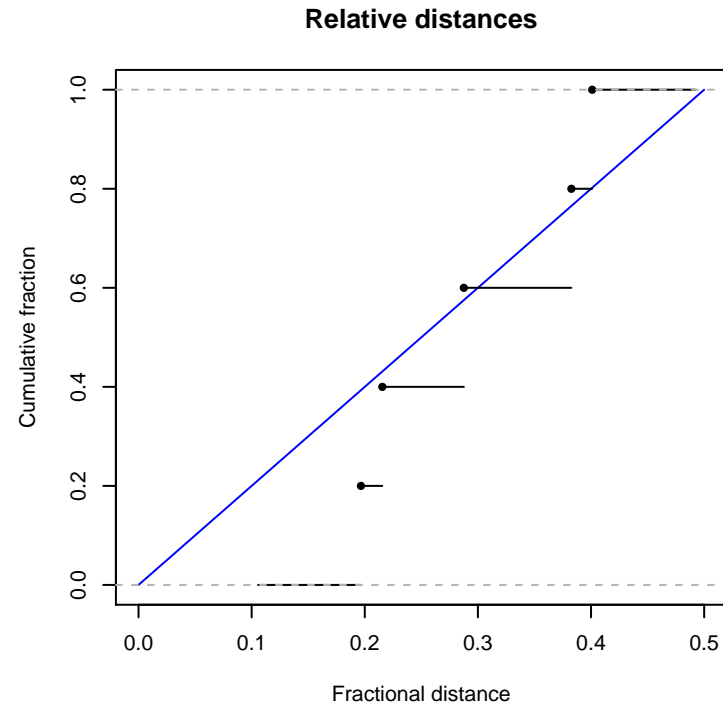
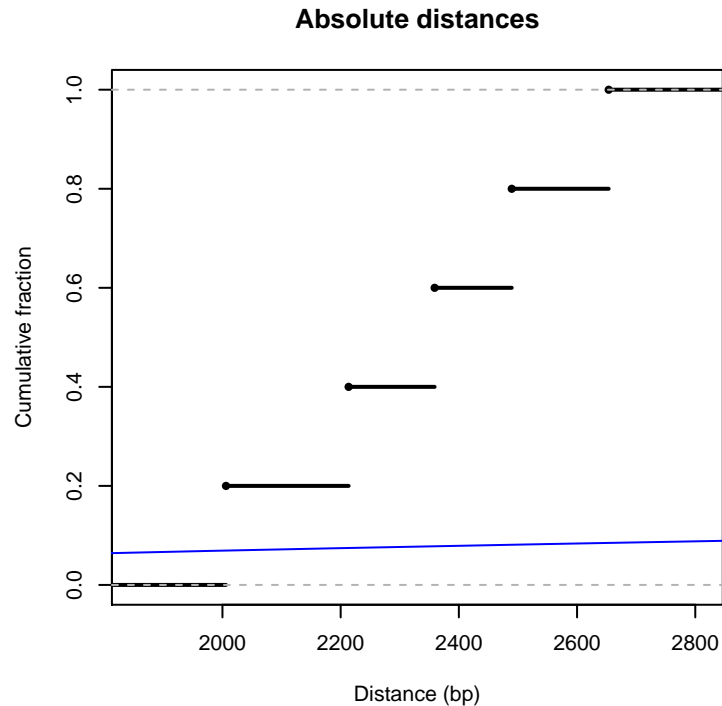


Relative distances



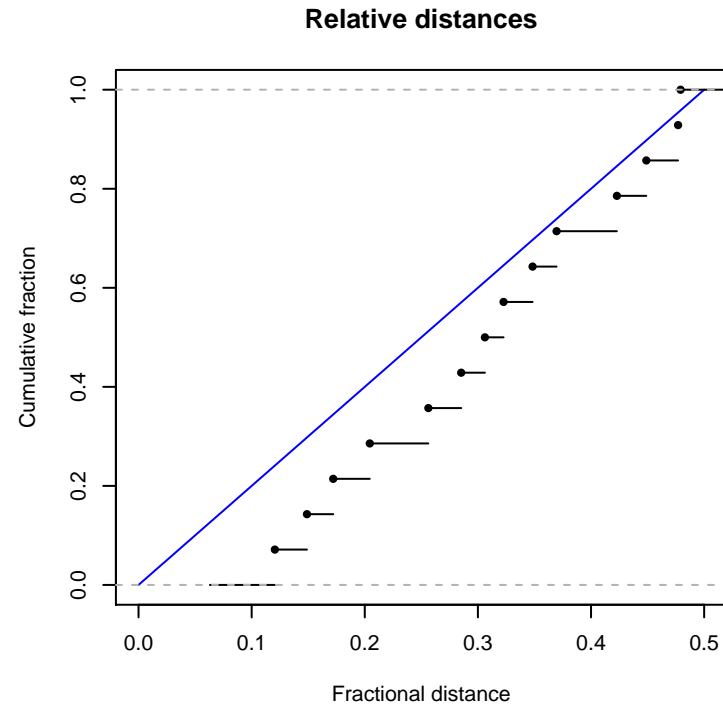
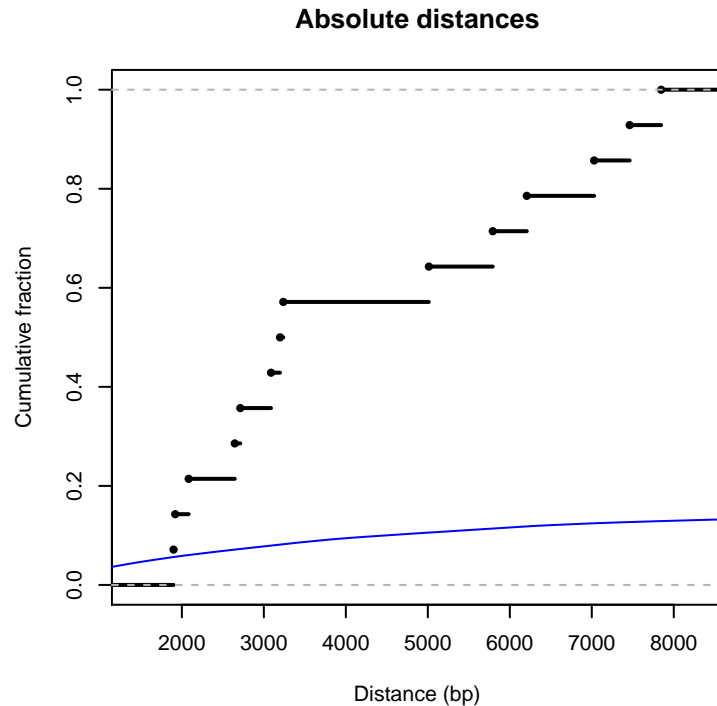
# pcontig\_073

Query population : 5  
Reference population : 65  
Relative Ks p-value : 0.327199  
Relative ecdf deviation area : 0.0679692  
Relative ecdf area correlation : -0.186725  
Relative ecdf deviation area p-value : 0.38  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.33  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.145764  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



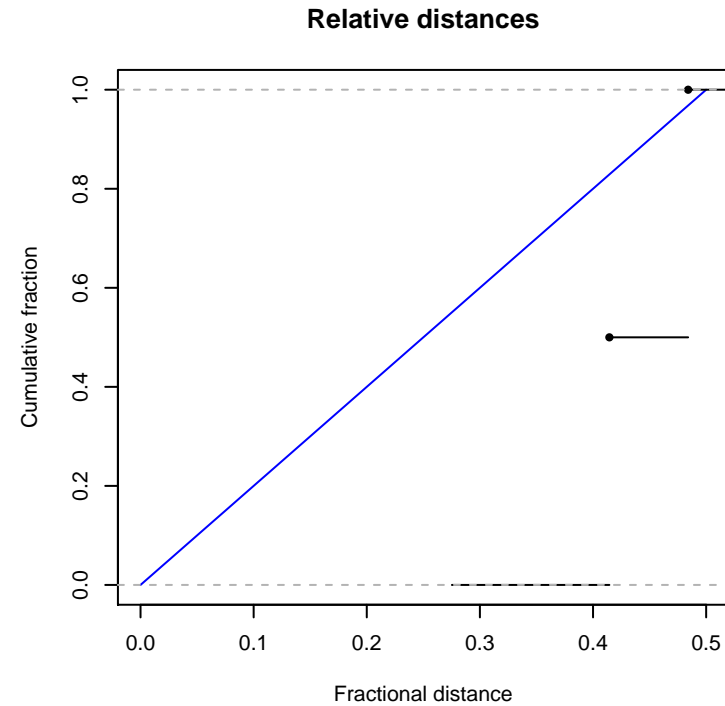
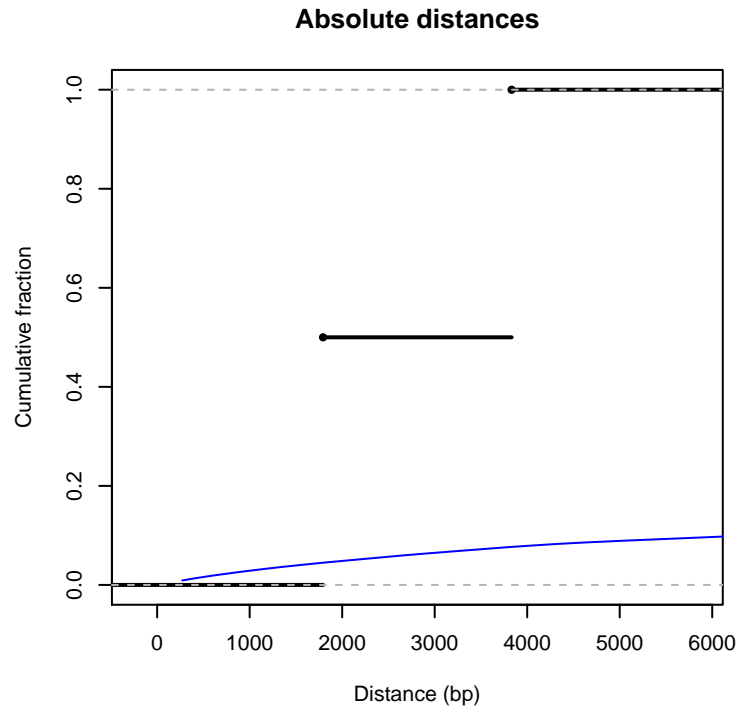
# pcontig\_074

Query population : 14  
Reference population : 50  
Relative Ks p-value : 0.334943  
Relative ecdf deviation area : 0.0620958  
Relative ecdf area correlation : -0.246284  
Relative ecdf deviation area p-value : 0.12  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.4  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.291631  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



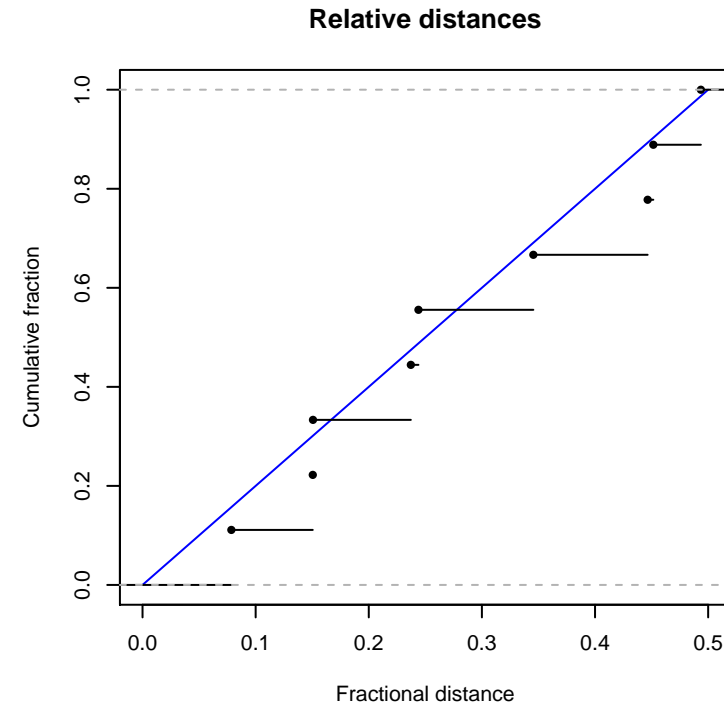
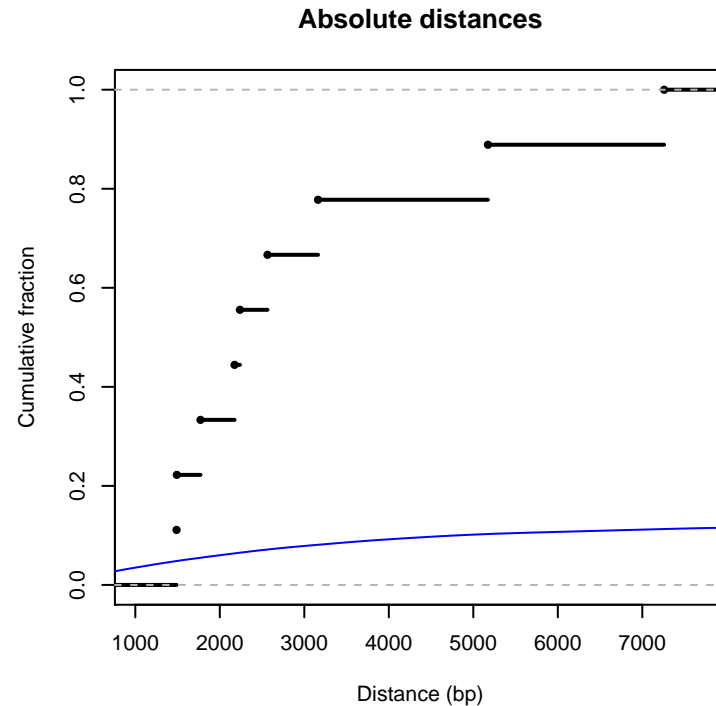
# pcontig\_075

Query population : 2  
Reference population : 51  
Relative Ks p-value : 0.0585331  
Relative ecdf deviation area : 0.199556  
Relative ecdf area correlation : -0.797076  
Relative ecdf deviation area p-value : 0.05  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.09  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0283509  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



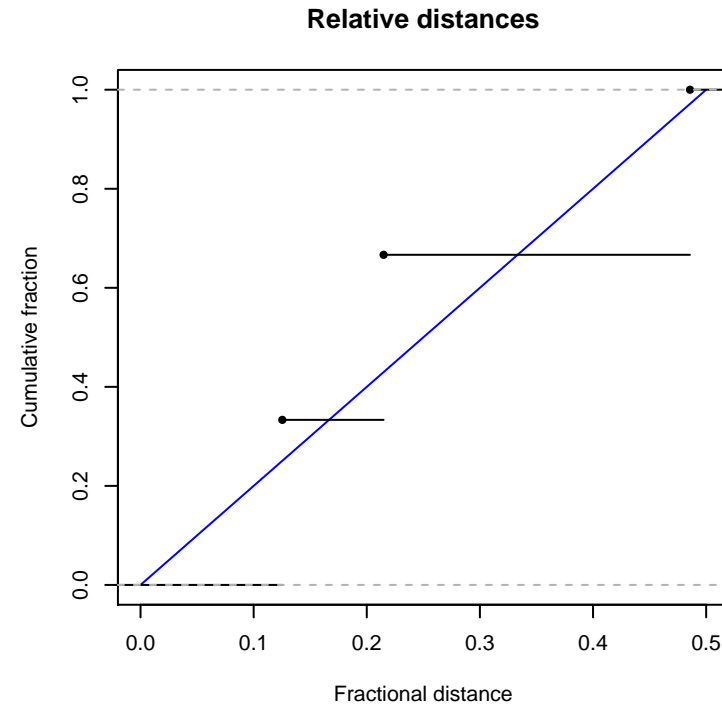
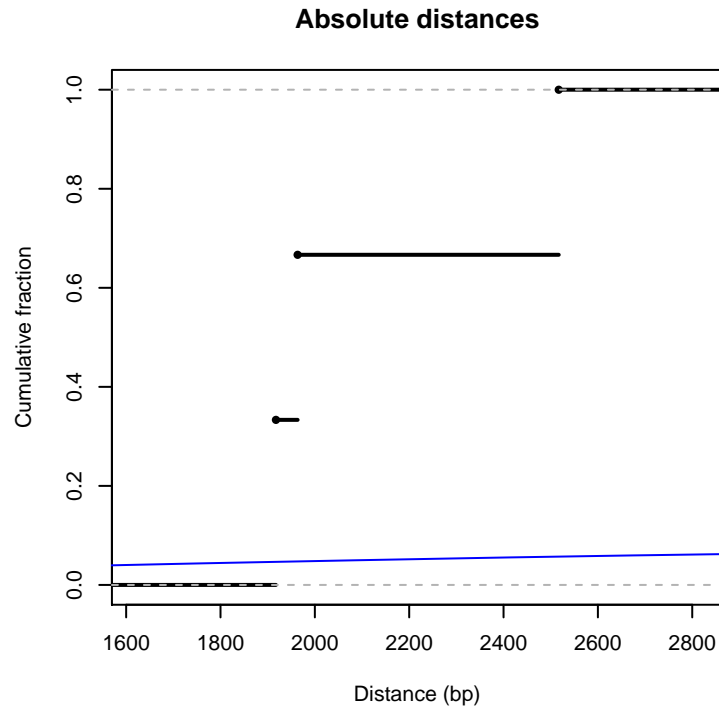
# pcontig\_077

Query population : 9  
Reference population : 59  
Relative Ks p-value : 0.666547  
Relative ecdf deviation area : 0.0417697  
Relative ecdf area correlation : -0.154621  
Relative ecdf deviation area p-value : 0.66  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.5  
Jaccard Measure lower tail : TRUE  
Projection test p-value : 0.24611  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_078

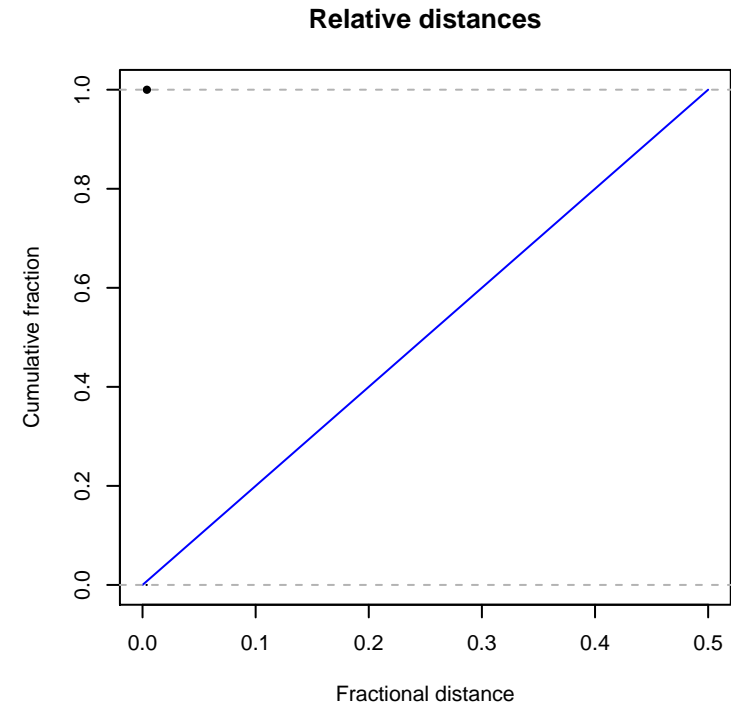
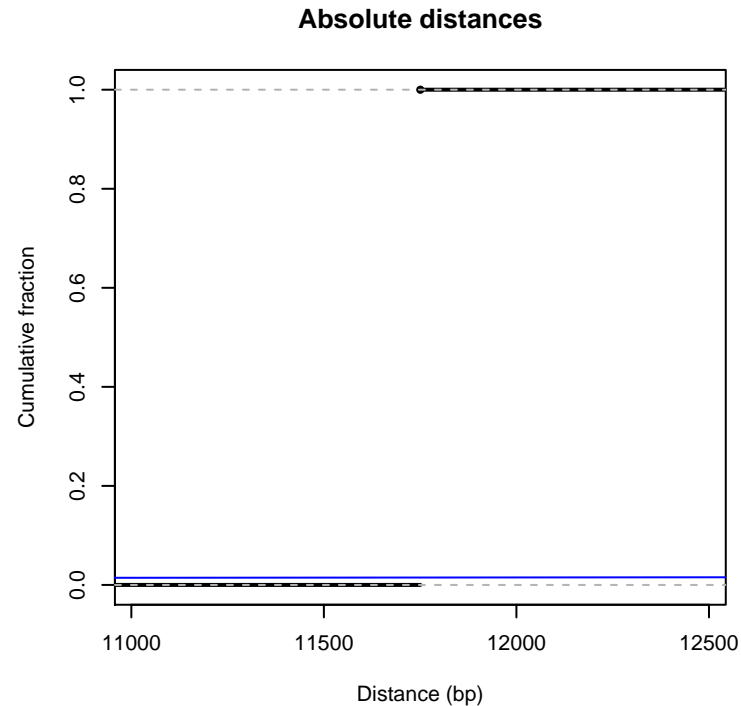
Query population : 3  
Reference population : 42  
Relative Ks p-value : 0.873561  
Relative ecdf deviation area : 0.0569954  
Relative ecdf area correlation : -0.101236  
Relative ecdf deviation area p-value : 0.86  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.06000000000000001  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0588379  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





# pcontig\_079

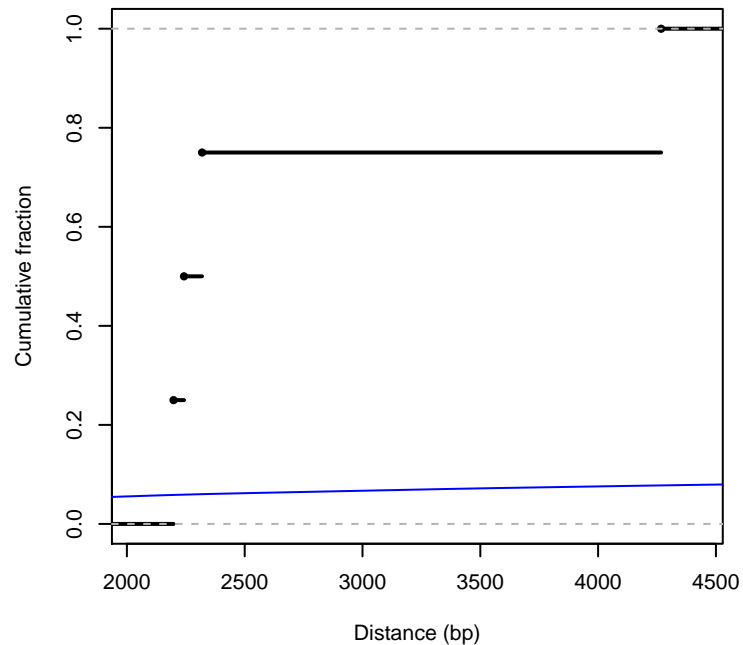
Query population : 1  
Reference population : 6  
Relative Ks p-value : 0.0154609  
Relative ecdf deviation area : 0.246924  
Relative ecdf area correlation : 0.984539  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00195084  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



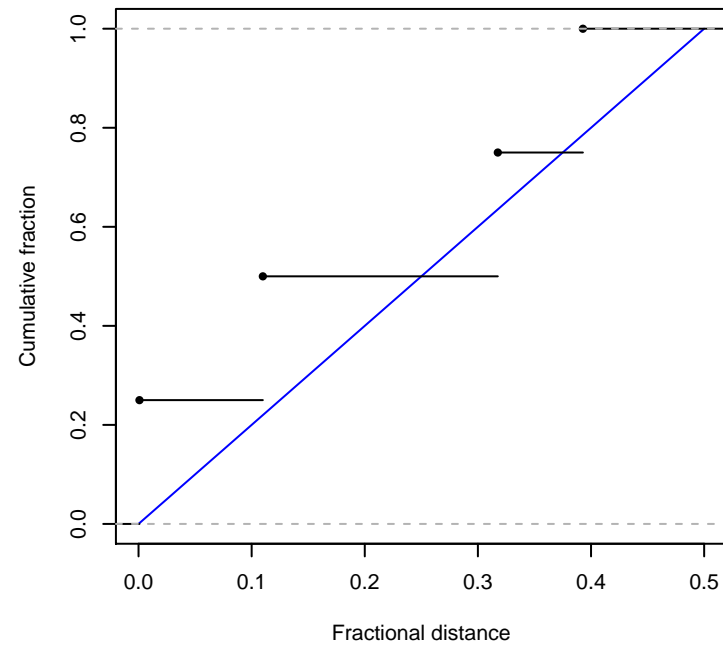
# pcontig\_080

Query population : 4  
Reference population : 58  
Relative Ks p-value : 0.829454  
Relative ecdf deviation area : 0.0548391  
Relative ecdf area correlation : 0.178864  
Relative ecdf deviation area p-value : 0.78  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.18  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.100568  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

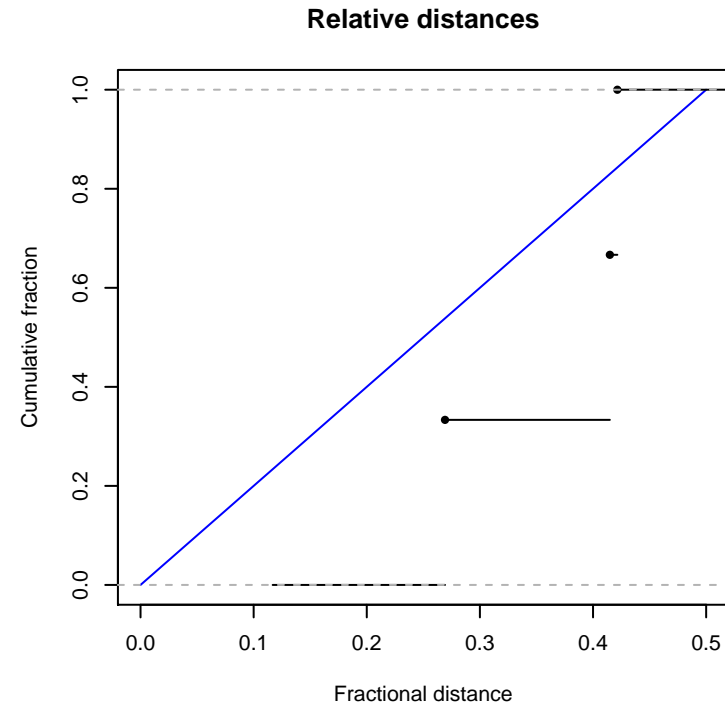
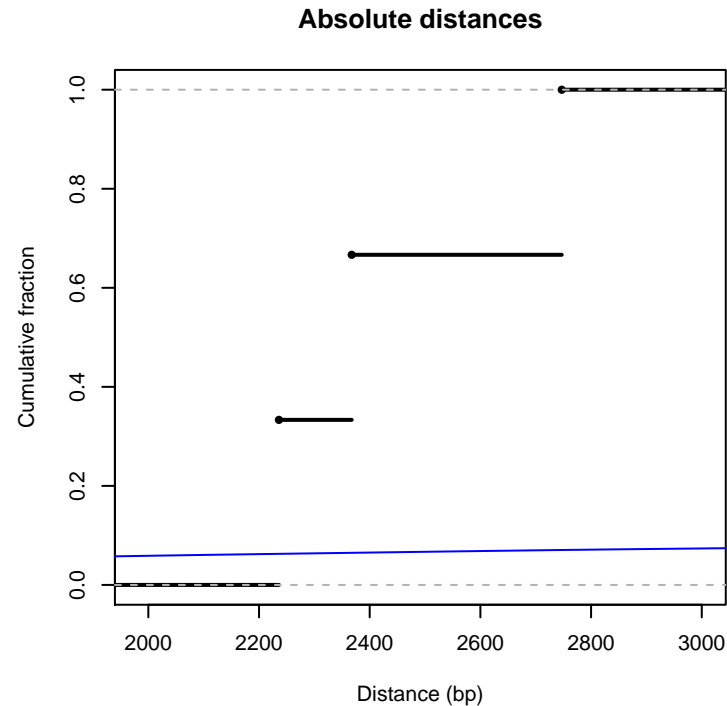


Relative distances



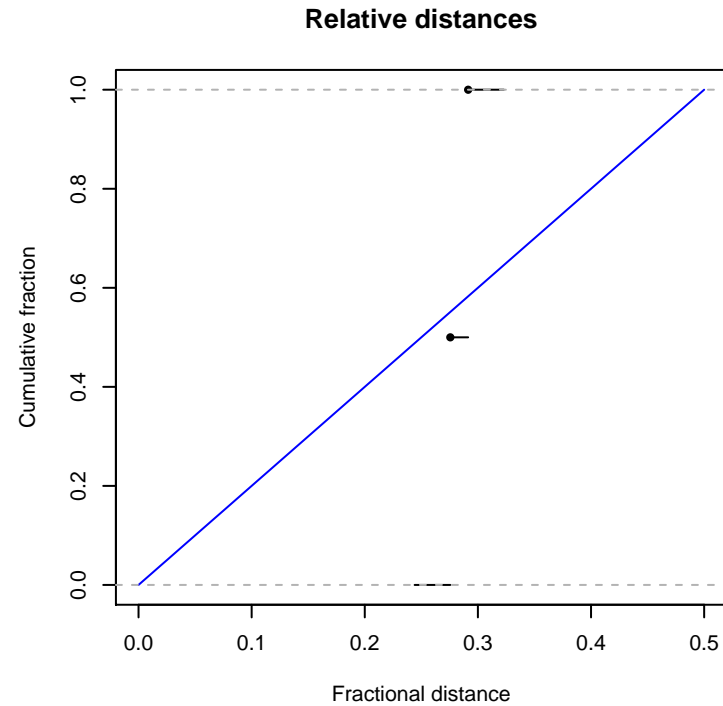
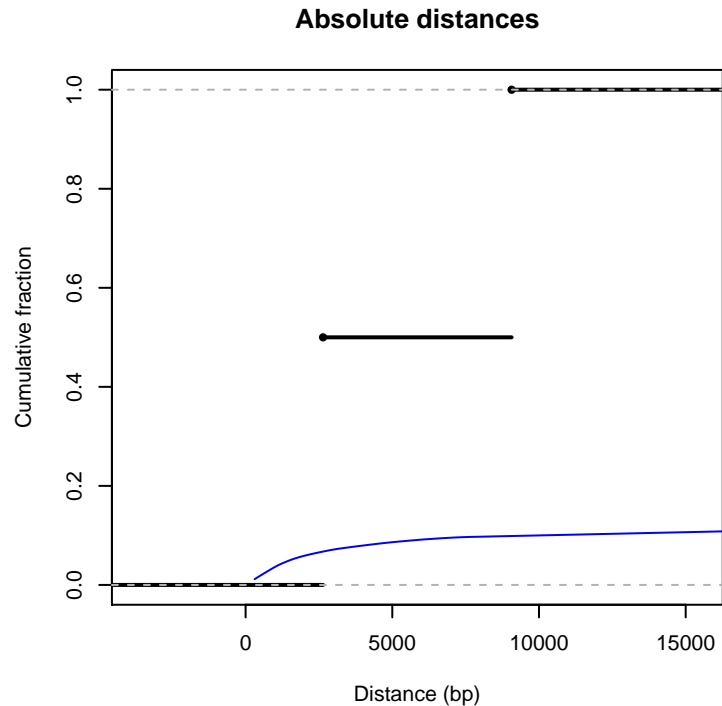
# pcontig\_081

Query population : 3  
Reference population : 55  
Relative Ks p-value : 0.250041  
Relative ecdf deviation area : 0.130531  
Relative ecdf area correlation : -0.47406  
Relative ecdf deviation area p-value : 0.2  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.17  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0754245  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



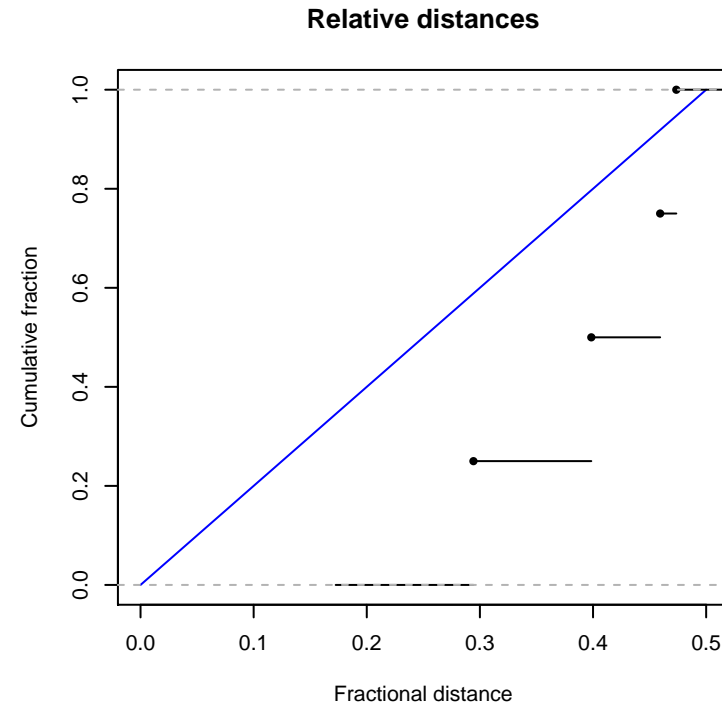
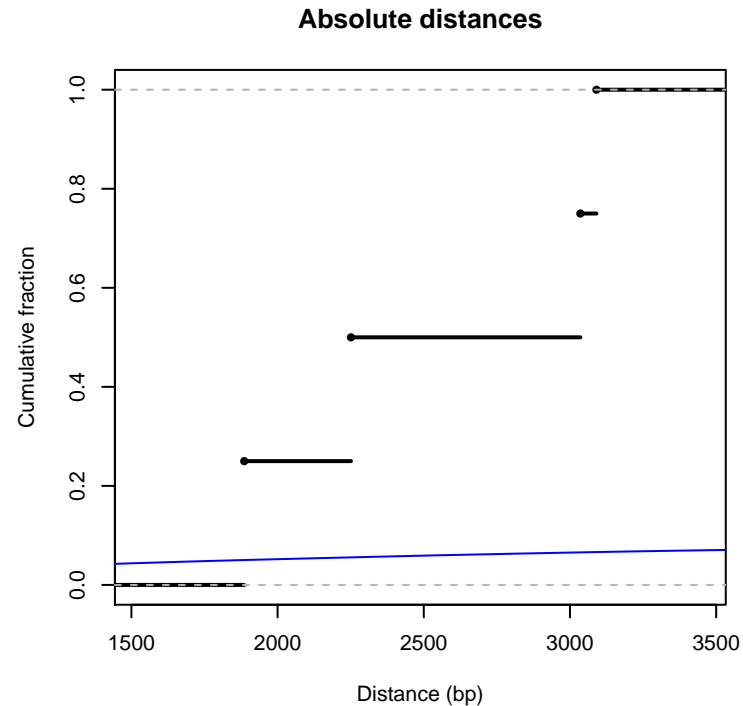
# pcontig\_082

Query population : 2  
Reference population : 58  
Relative Ks p-value : 0.402824  
Relative ecdf deviation area : 0.120488  
Relative ecdf area correlation : -0.133974  
Relative ecdf deviation area p-value : 0.31  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.08  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0495536  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



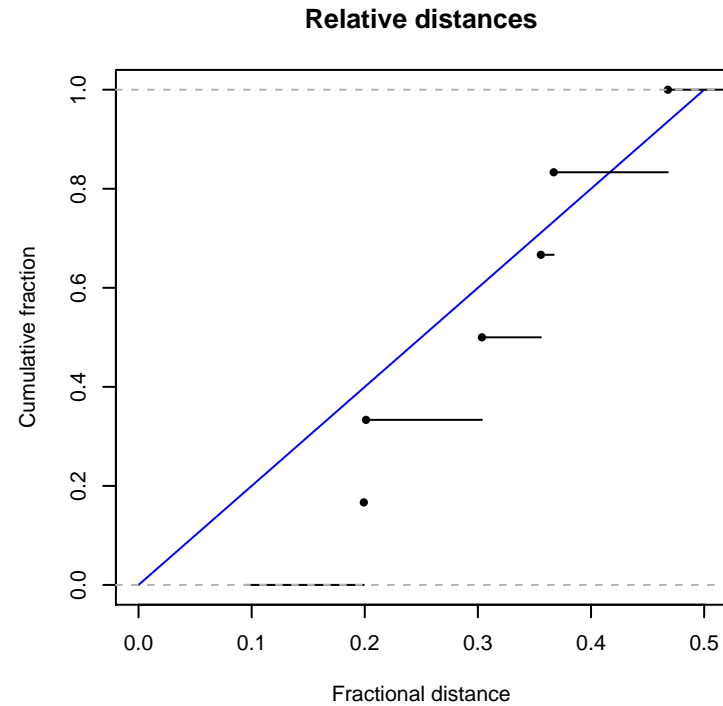
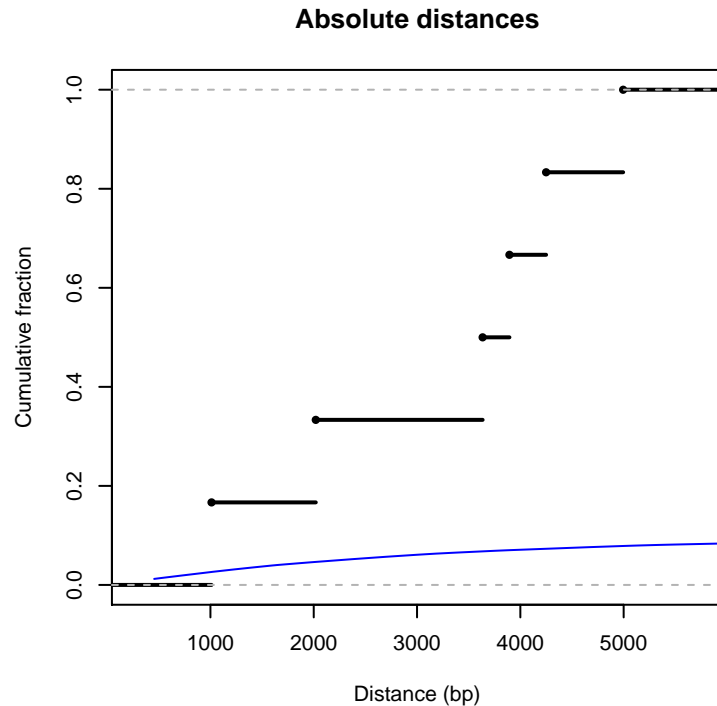
# pcontig\_083

Query population : 4  
Reference population : 50  
Relative Ks p-value : 0.077136  
Relative ecdf deviation area : 0.157364  
Relative ecdf area correlation : -0.625731  
Relative ecdf deviation area p-value : 0.03  
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 : 0.0916072  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



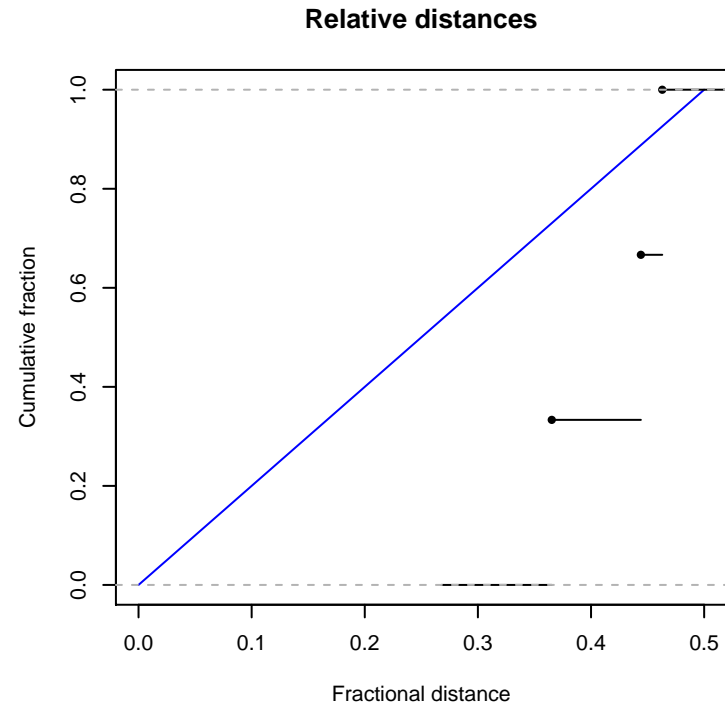
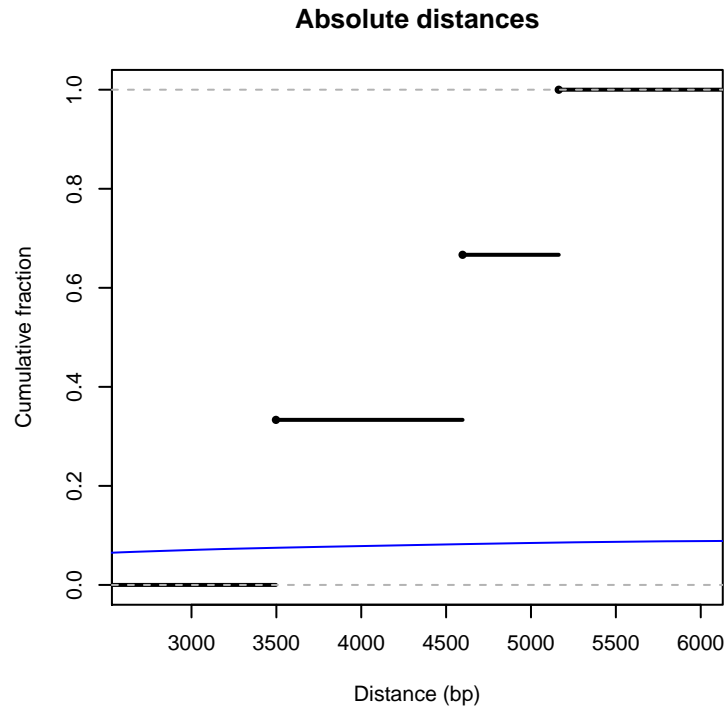
# pcontig\_084

Query population : 6  
Reference population : 41  
Relative Ks p-value : 0.228174  
Relative ecdf deviation area : 0.0730019  
Relative ecdf area correlation : -0.26294  
Relative ecdf deviation area p-value : 0.36  
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 : 0.109083  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



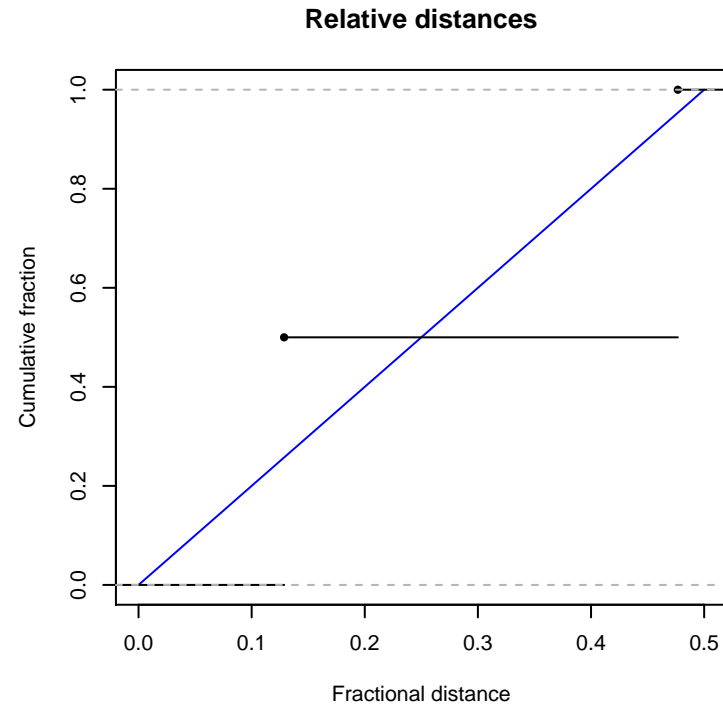
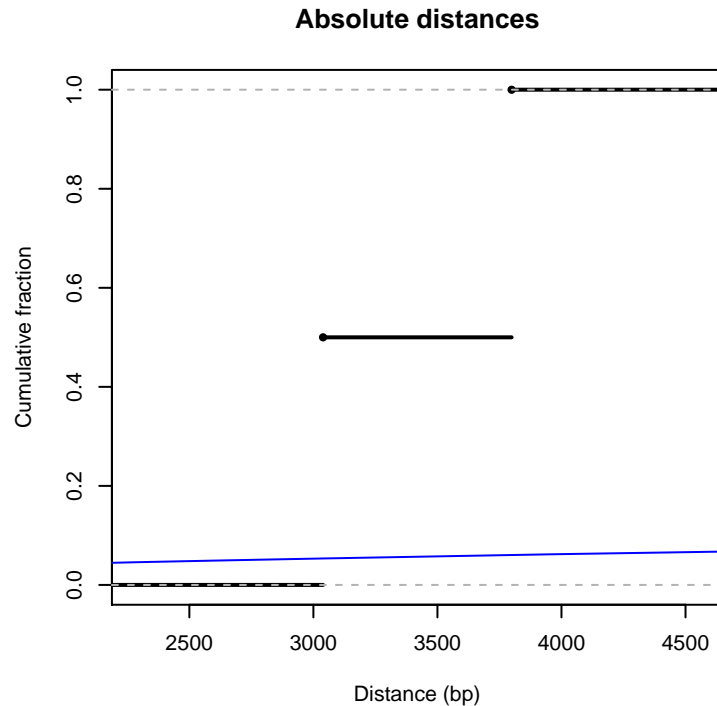
# pcontig\_086

Query population : 3  
Reference population : 57  
Relative Ks p-value : 0.0391249  
Relative ecdf deviation area : 0.176711  
Relative ecdf area correlation : -0.696404  
Relative ecdf deviation area p-value : 0.05  
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 : 0.0641334  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_087

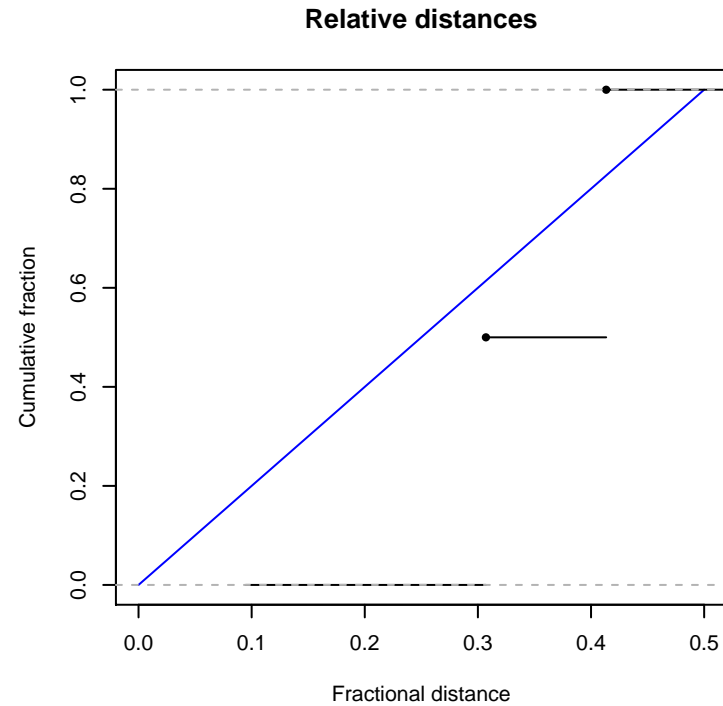
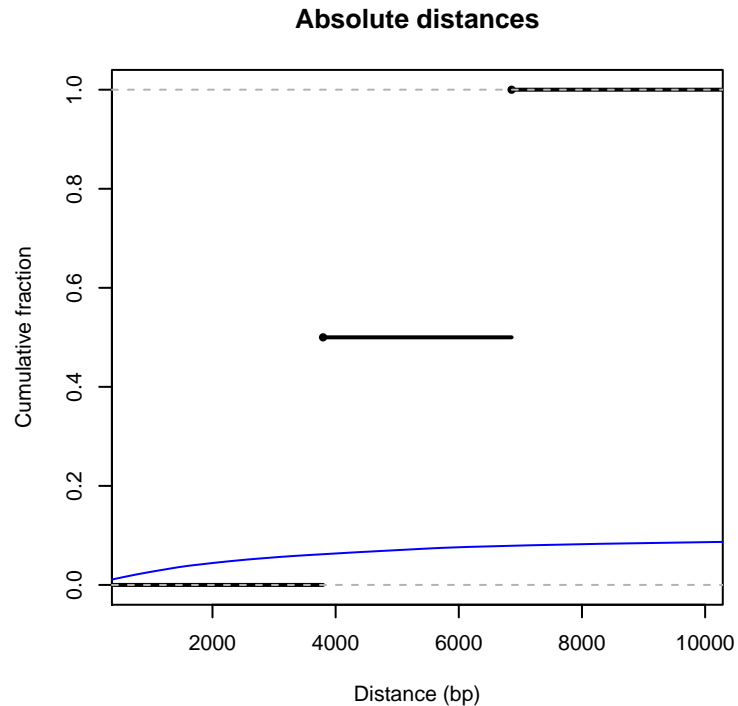
Query population : 2  
Reference population : 42  
Relative Ks p-value : 0.668688  
Relative ecdf deviation area : 0.0831436  
Relative ecdf area correlation : -0.210943  
Relative ecdf deviation area p-value : 0.77  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.11  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0402974  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





# pcontig\_088

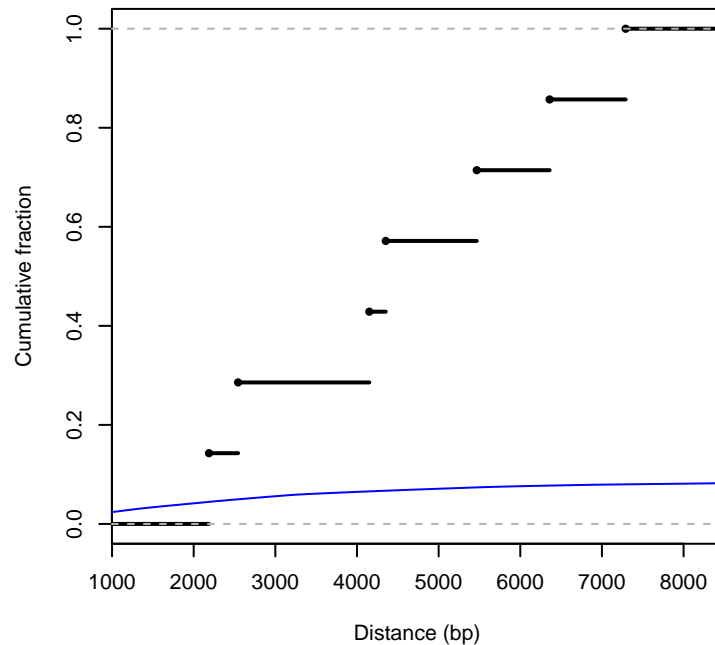
Query population : 2  
Reference population : 46  
Relative Ks p-value : 0.297699  
Relative ecdf deviation area : 0.125196  
Relative ecdf area correlation : -0.440992  
Relative ecdf deviation area p-value : 0.33  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.08  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0391511  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



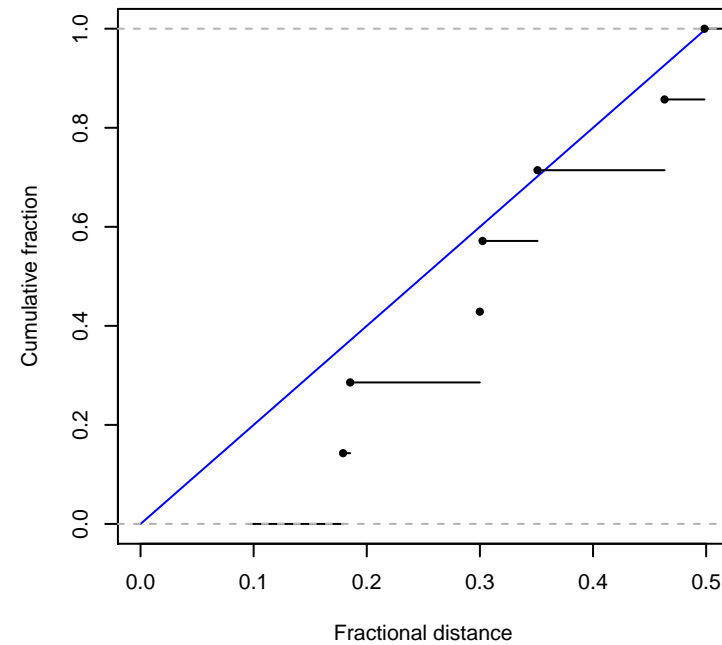
# pcontig\_089

Query population : 7  
Reference population : 39  
Relative Ks p-value : 0.261711  
Relative ecdf deviation area : 0.0754507  
Relative ecdf area correlation : -0.302488  
Relative ecdf deviation area p-value : 0.13  
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 : 0.131633  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances

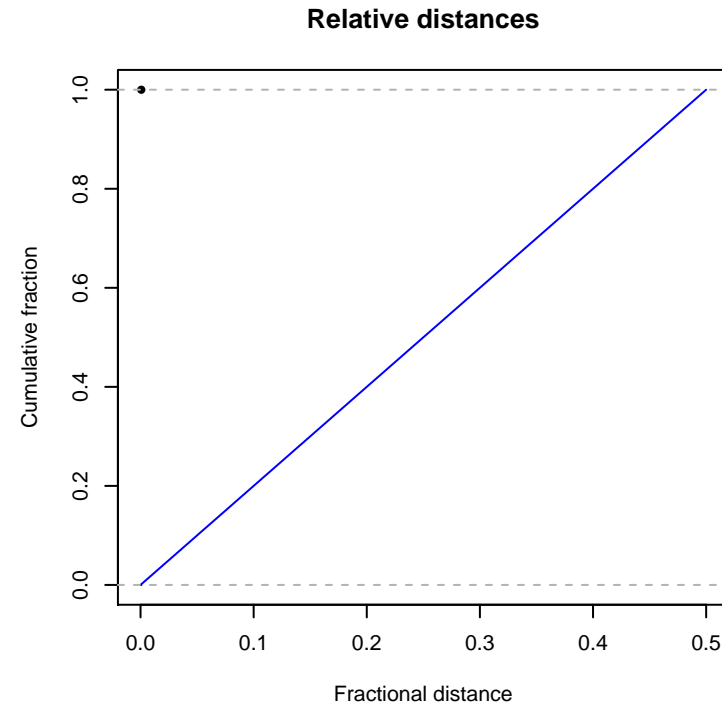
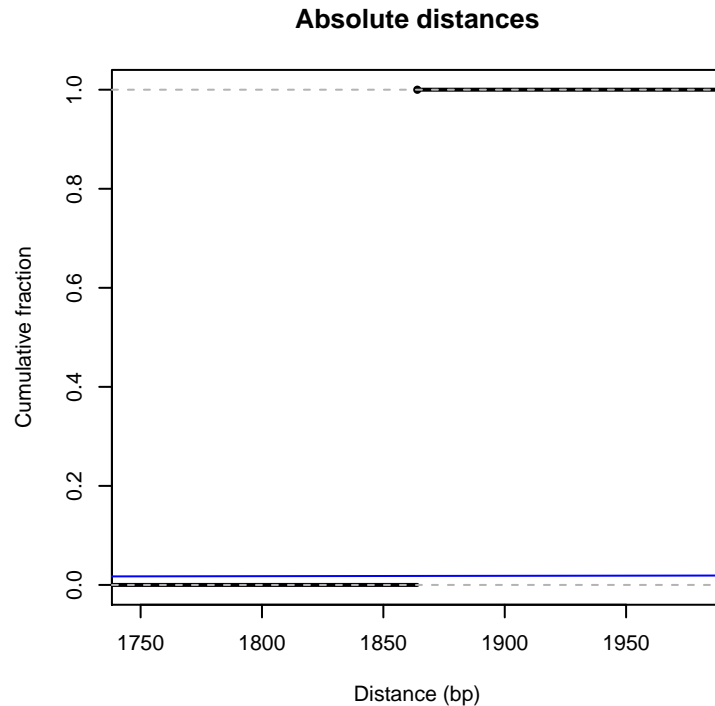


Relative distances



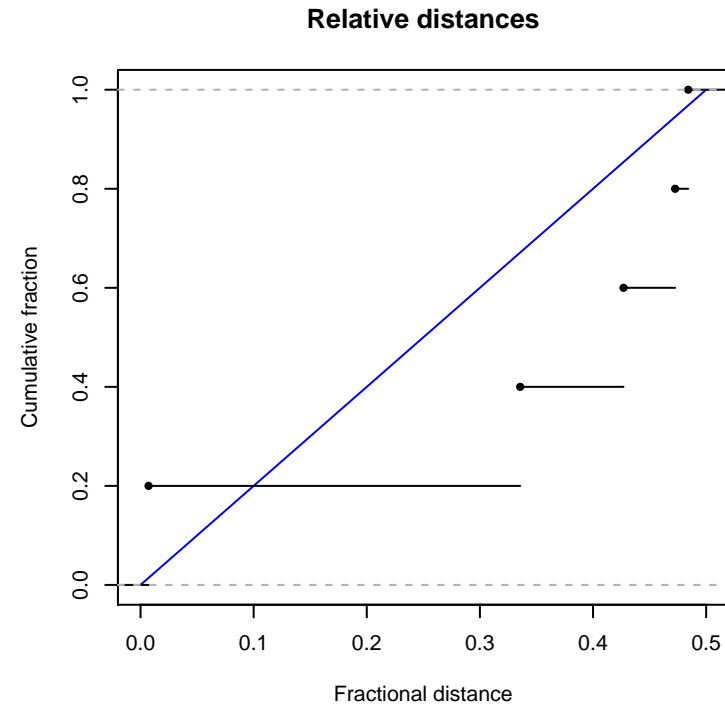
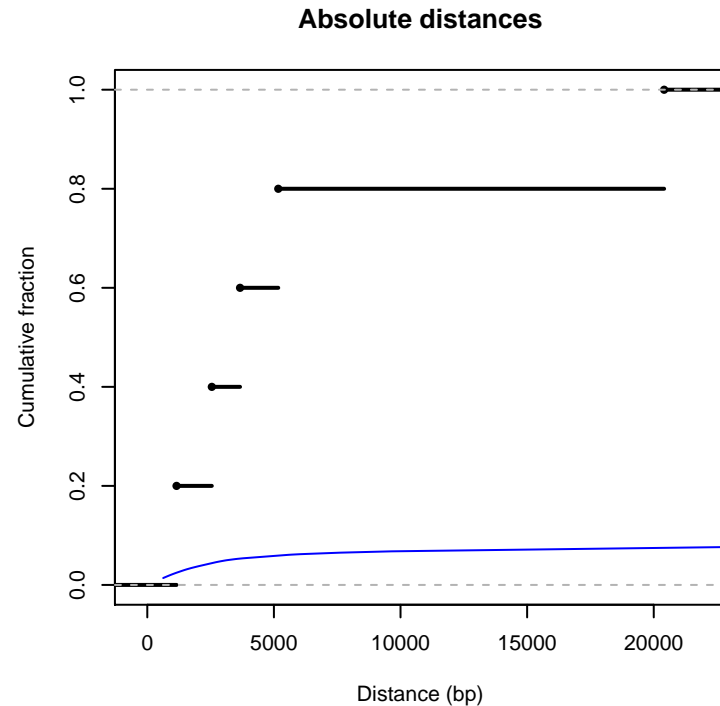
# pcontig\_090

Query population : 1  
Reference population : 20  
Relative Ks p-value : 0.00259619  
Relative ecdf deviation area : 0.25  
Relative ecdf area correlation : 0.997404  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00932154  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



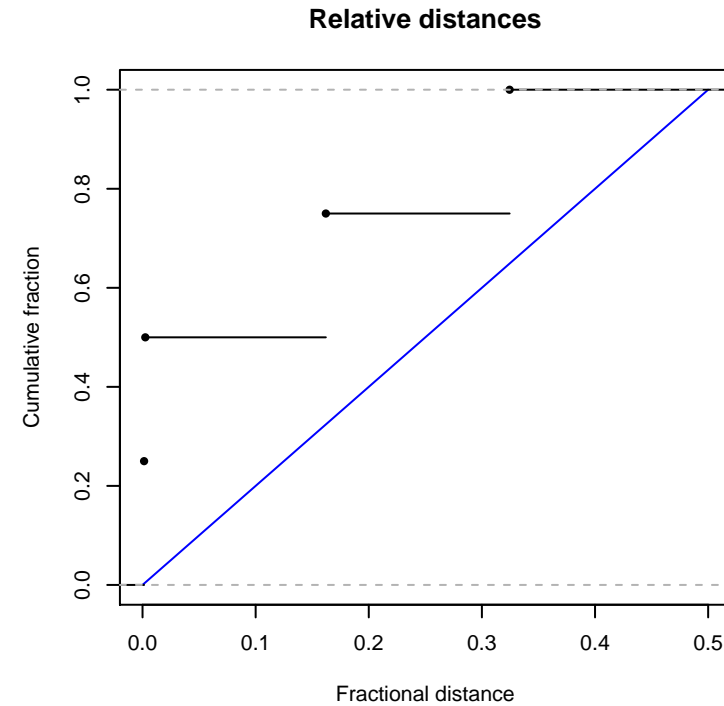
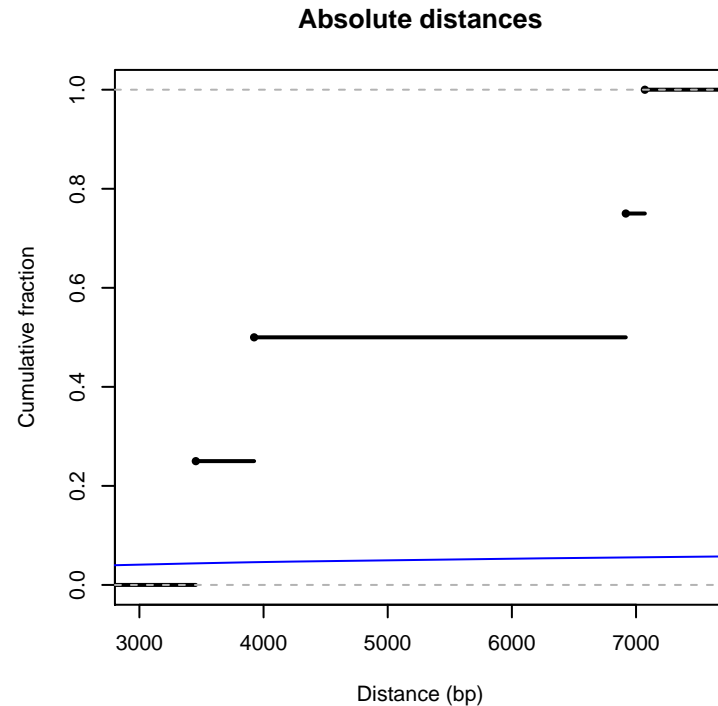
# pcontig\_091

Query population : 5  
Reference population : 34  
Relative Ks p-value : 0.155279  
Relative ecdf deviation area : 0.112594  
Relative ecdf area correlation : -0.381121  
Relative ecdf deviation area p-value : 0.09  
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 : 0.089145  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



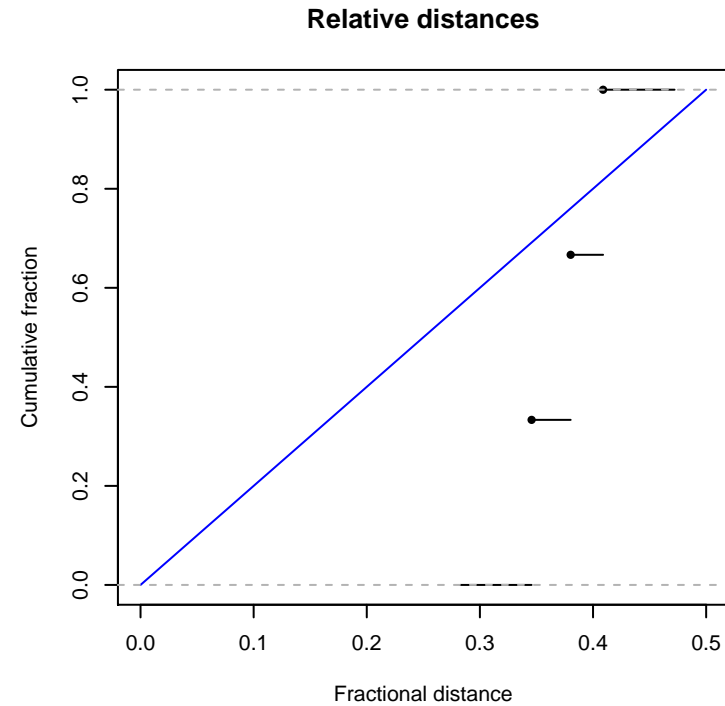
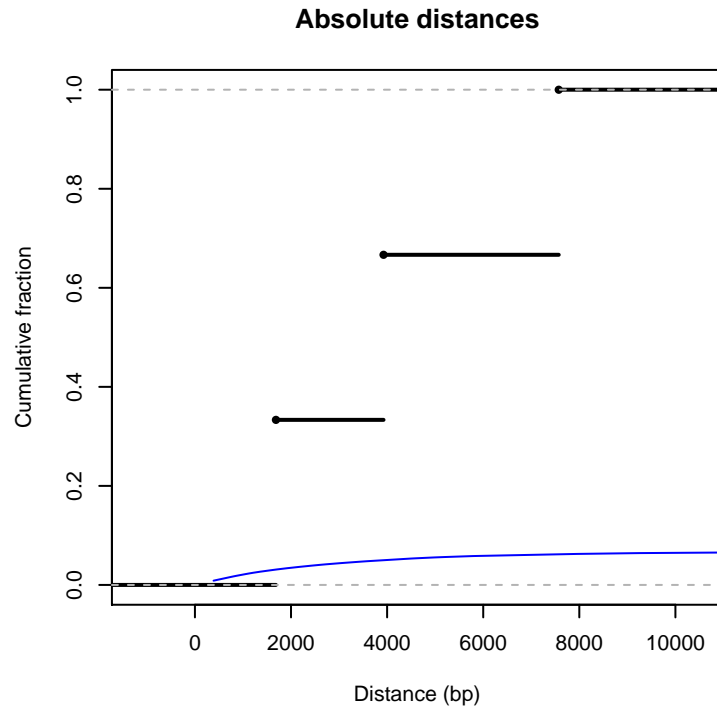
# pcontig\_092

Query population : 4  
Reference population : 31  
Relative Ks p-value : 0.19574  
Relative ecdf deviation area : 0.127284  
Relative ecdf area correlation : 0.50963  
Relative ecdf deviation area p-value : 0.07  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.12  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0749547  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



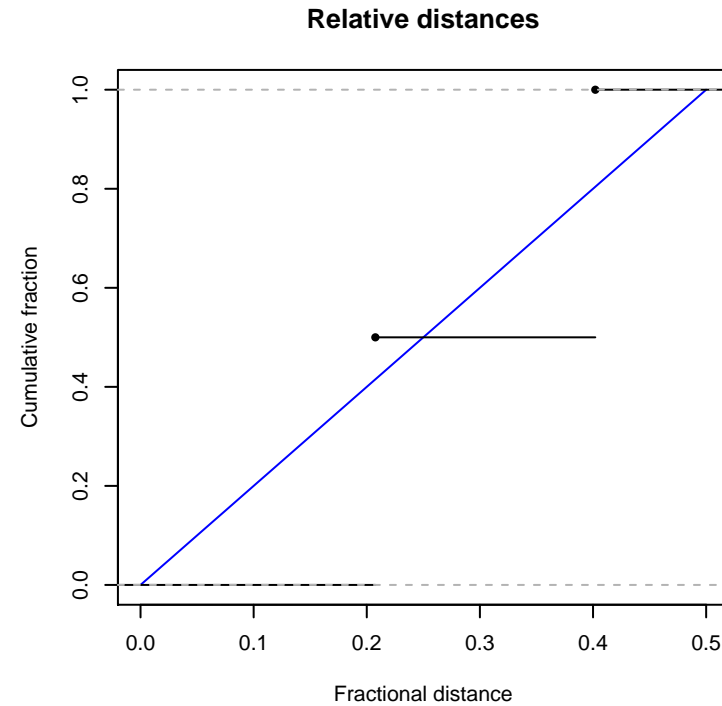
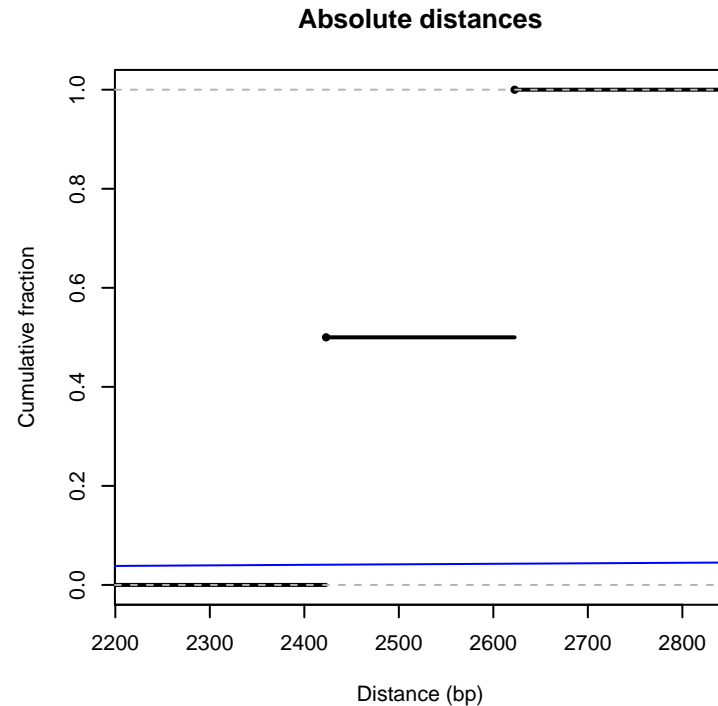
# pcontig\_095

Query population : 3  
Reference population : 34  
Relative Ks p-value : 0.0587735  
Relative ecdf deviation area : 0.145145  
Relative ecdf area correlation : -0.513098  
Relative ecdf deviation area p-value : 0.1  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.1  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.047382  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



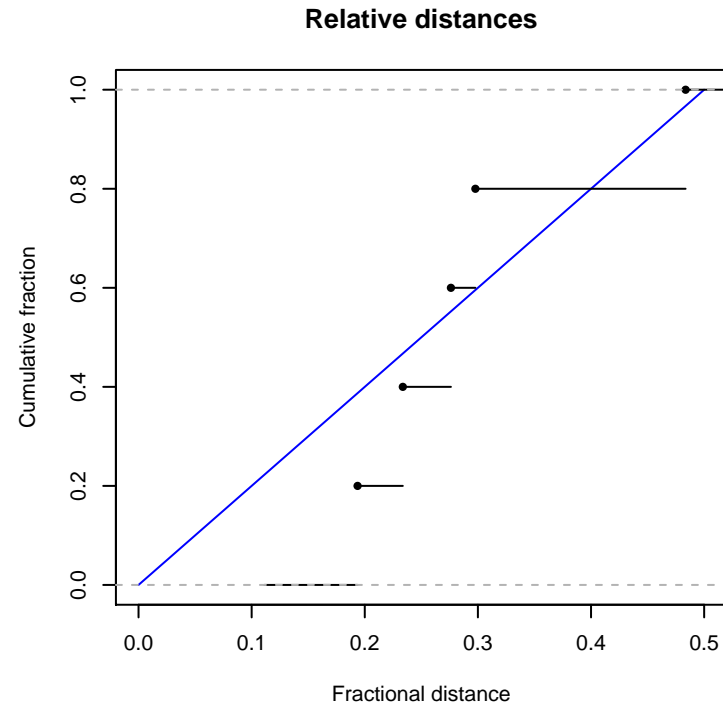
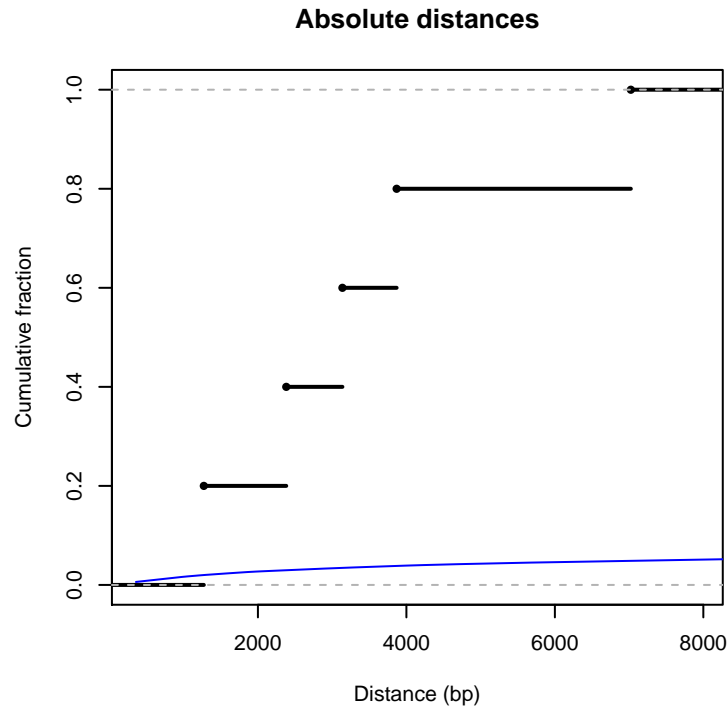
# pcontig\_097

Query population : 2  
Reference population : 33  
Relative Ks p-value : 0.781718  
Relative ecdf deviation area : 0.0774851  
Relative ecdf area correlation : -0.219231  
Relative ecdf deviation area p-value : 0.8  
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 : 0.0343385  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_100

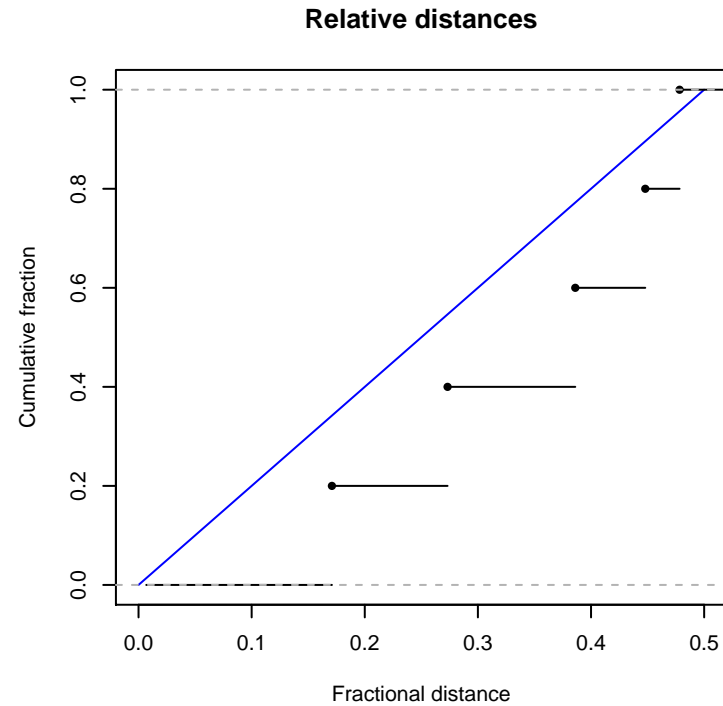
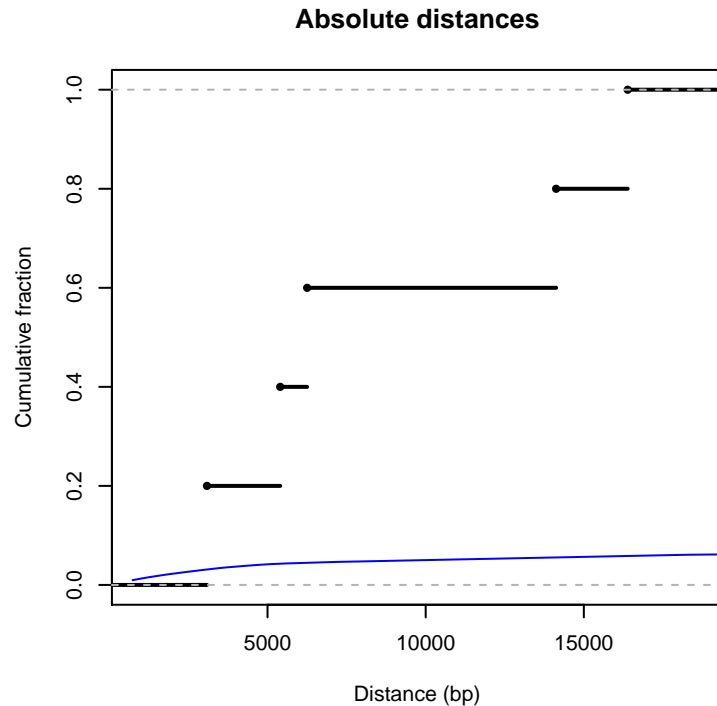
Query population : 5  
Reference population : 26  
Relative Ks p-value : 0.344511  
Relative ecdf deviation area : 0.0692819  
Relative ecdf area correlation : -0.187822  
Relative ecdf deviation area p-value : 0.45  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.08  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0584571  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





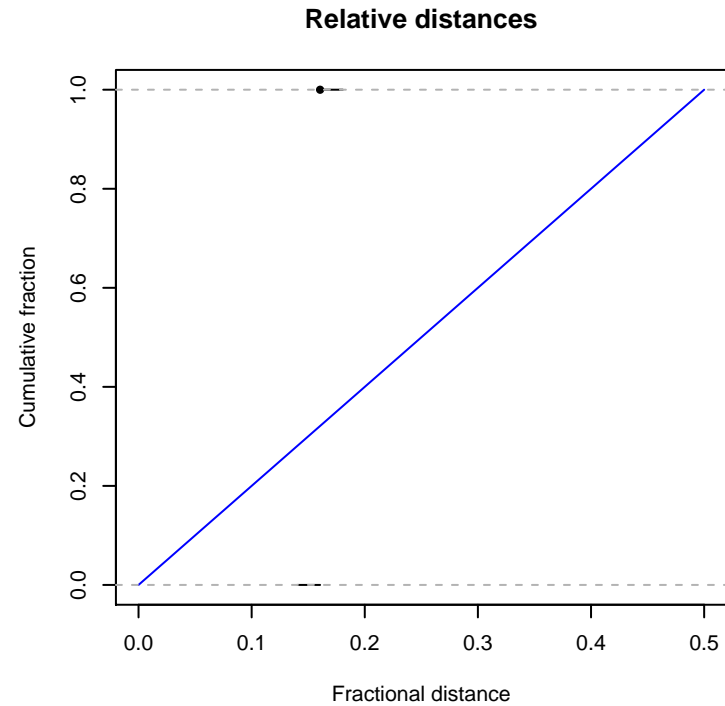
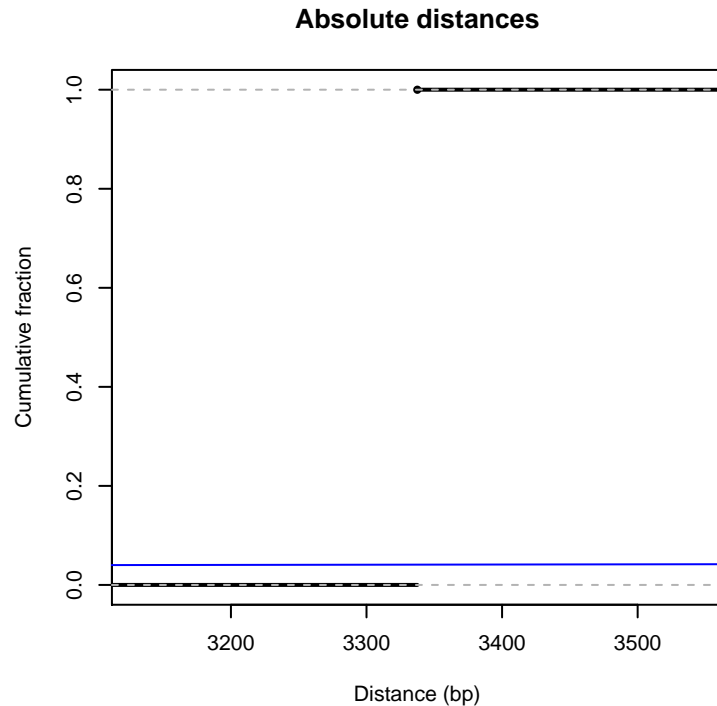
# pcontig\_103

Query population : 5  
Reference population : 20  
Relative Ks p-value : 0.39187  
Relative ecdf deviation area : 0.102464  
Relative ecdf area correlation : -0.405158  
Relative ecdf deviation area p-value : 0.12  
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 : 0.033861  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



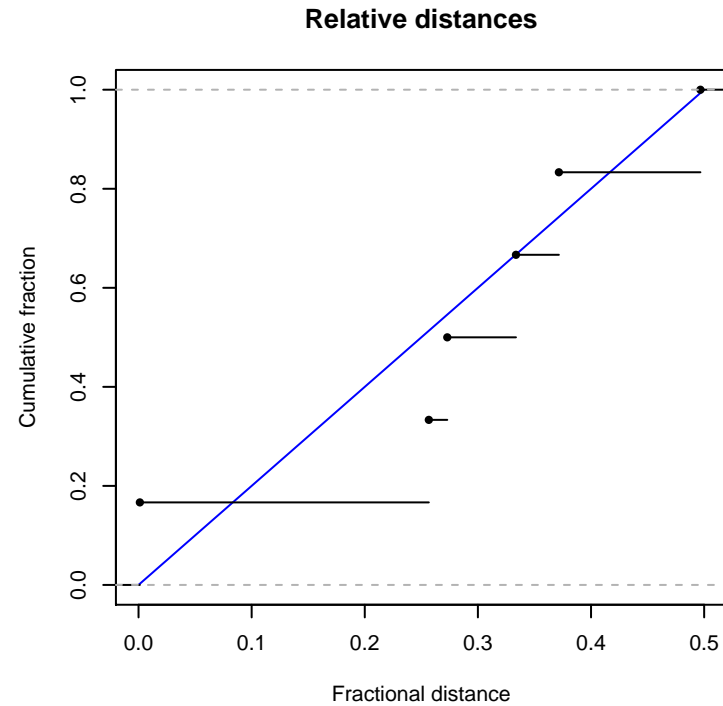
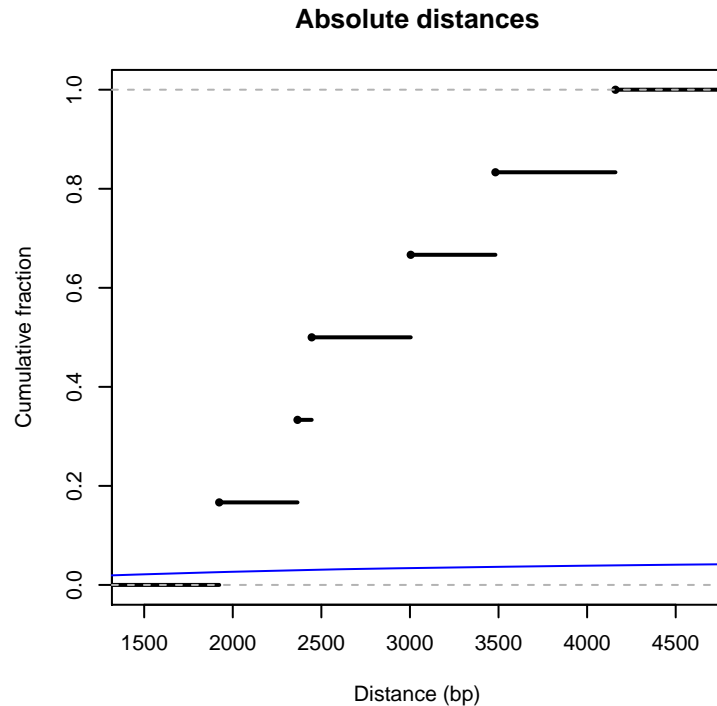
# pcontig\_104

Query population : 1  
Reference population : 33  
Relative Ks p-value : 0.641997  
Relative ecdf deviation area : 0.141047  
Relative ecdf area correlation : 0.358003  
Relative ecdf deviation area p-value : 0.59  
Scaled Absolute min. distance p-value : 0.05  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0176128  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



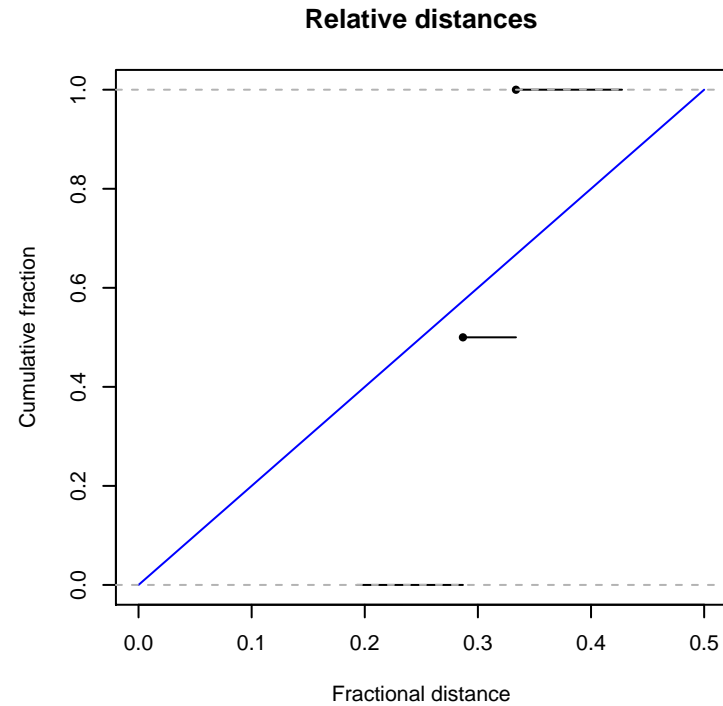
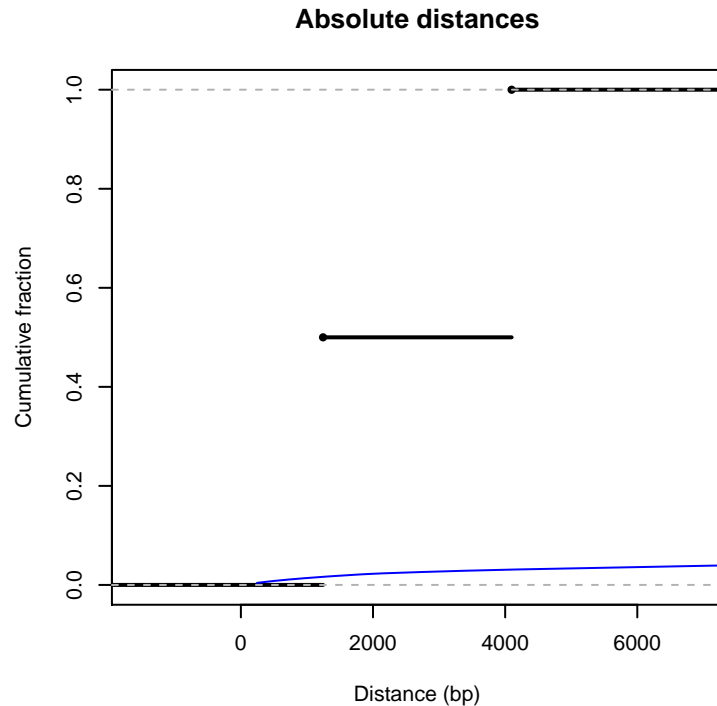
# pcontig\_106

Query population : 6  
Reference population : 24  
Relative Ks p-value : 0.378168  
Relative ecdf deviation area : 0.0563389  
Relative ecdf area correlation : -0.155115  
Relative ecdf deviation area p-value : 0.55  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.18  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0751939  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



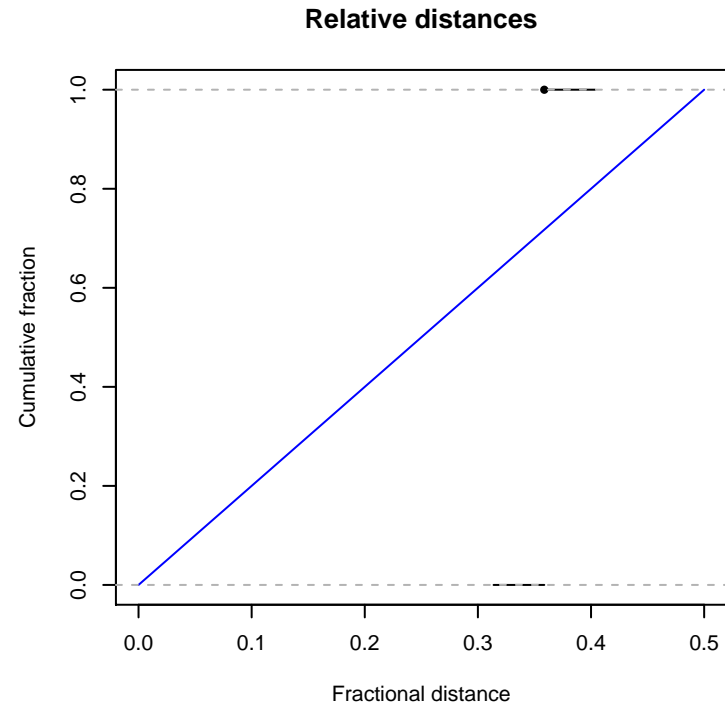
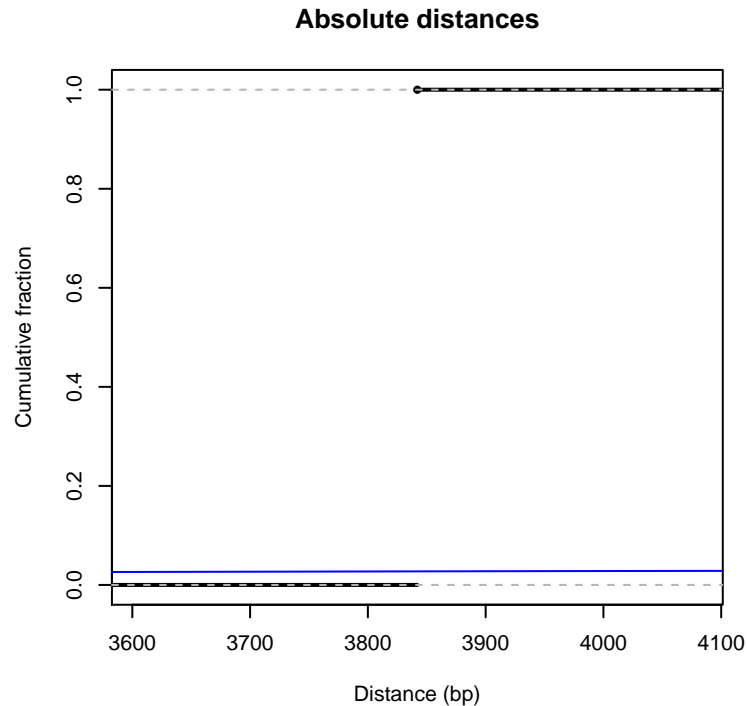
# pcontig\_110

Query population : 2  
Reference population : 26  
Relative Ks p-value : 0.363739  
Relative ecdf deviation area : 0.115954  
Relative ecdf area correlation : -0.240831  
Relative ecdf deviation area p-value : 0.43  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0216627  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



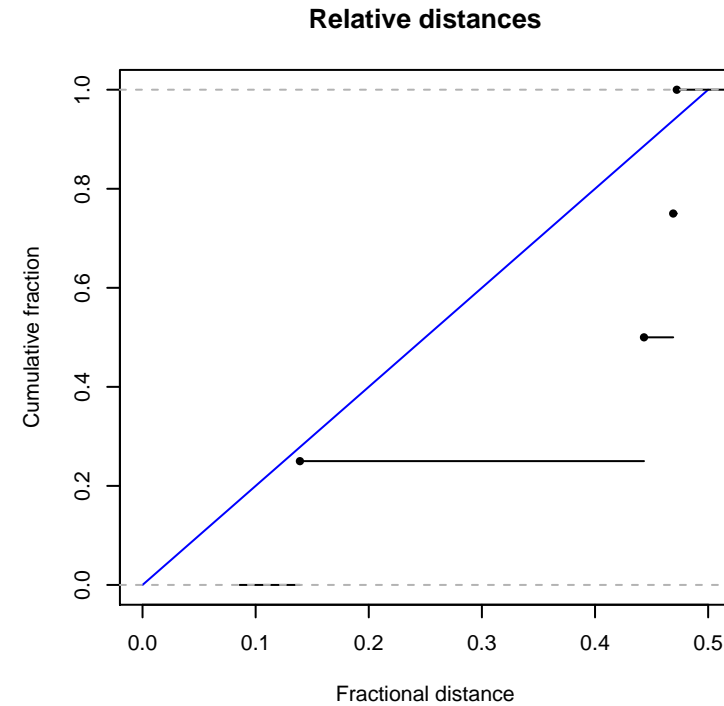
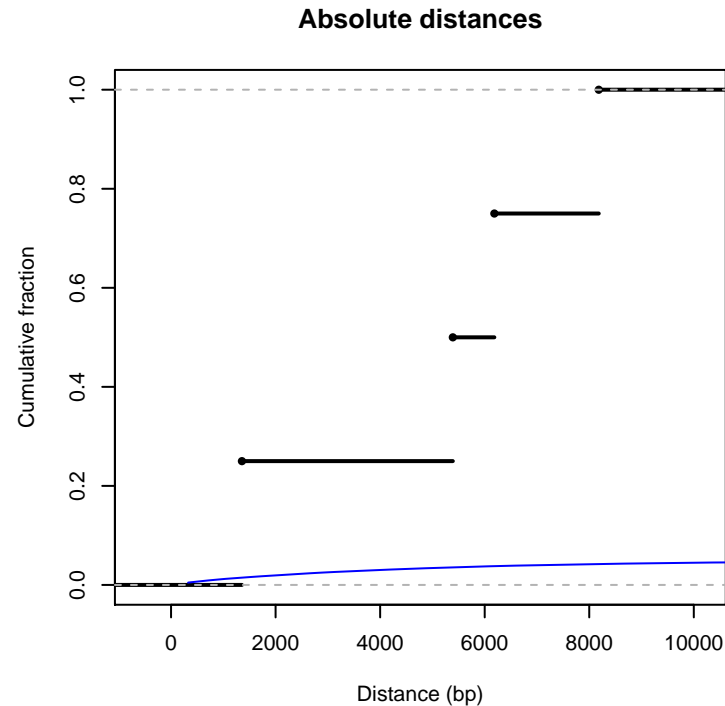
# pcontig\_112

Query population : 1  
Reference population : 17  
Relative Ks p-value : 0.56528  
Relative ecdf deviation area : 0.148922  
Relative ecdf area correlation : -0.43472  
Relative ecdf deviation area p-value : 0.53  
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 : 0.00541495  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



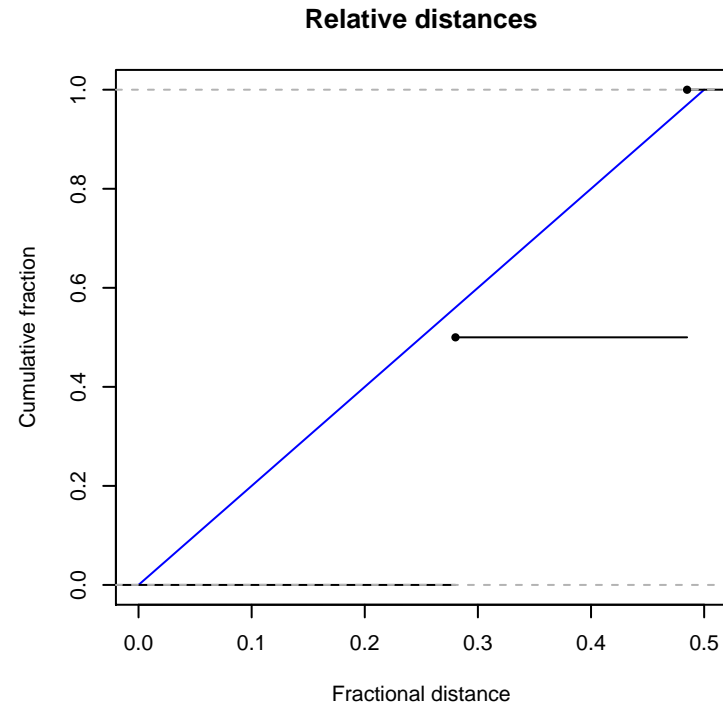
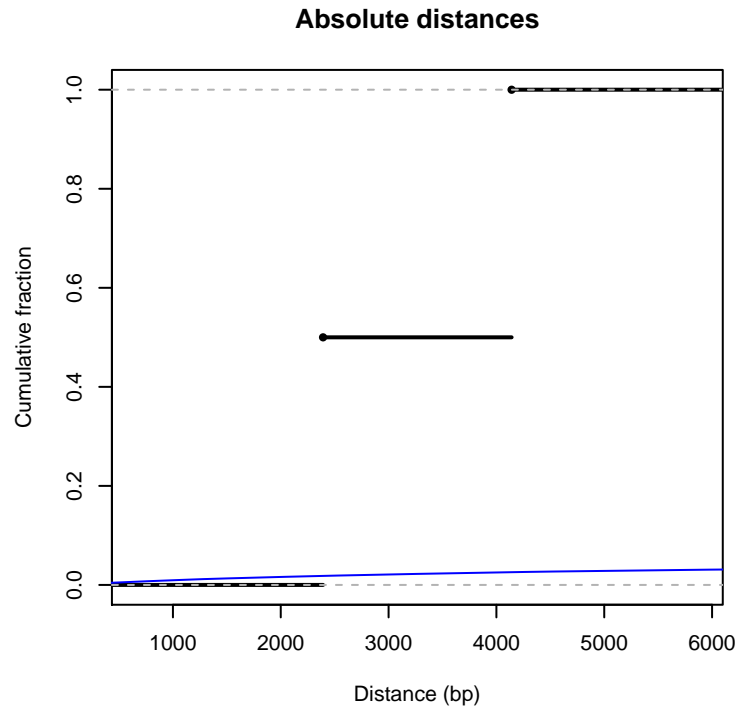
# pcontig\_115

Query population : 4  
Reference population : 22  
Relative Ks p-value : 0.0423295  
Relative ecdf deviation area : 0.132933  
Relative ecdf area correlation : -0.523797  
Relative ecdf deviation area p-value : 0.11  
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 : 0.0219882  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_120

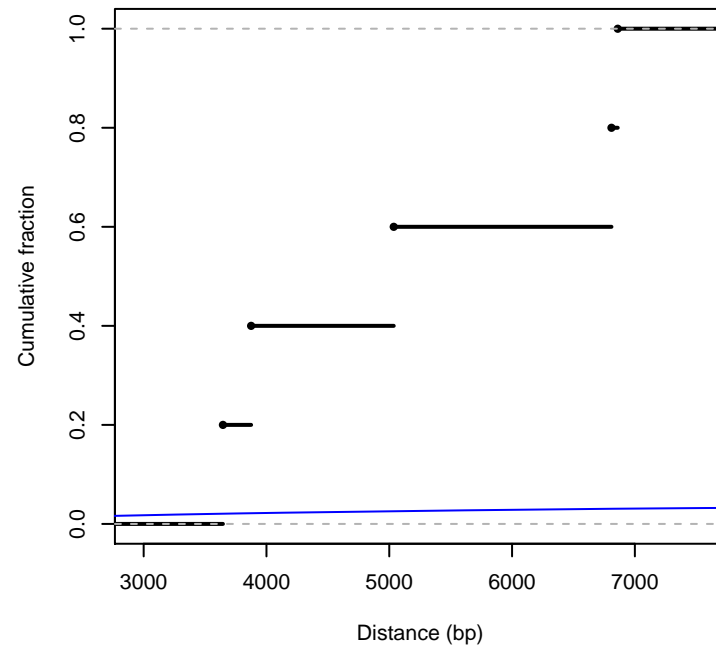
Query population : 2  
Reference population : 16  
Relative Ks p-value : 0.386607  
Relative ecdf deviation area : 0.133468  
Relative ecdf area correlation : -0.530183  
Relative ecdf deviation area p-value : 0.25  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00997545  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



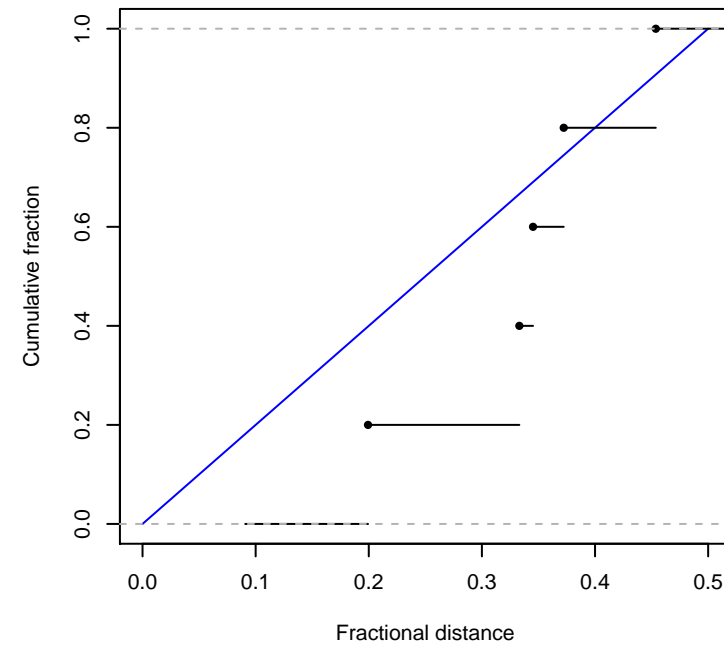
# pcontig\_130

Query population : 5  
Reference population : 11  
Relative Ks p-value : 0.163897  
Relative ecdf deviation area : 0.0966665  
Relative ecdf area correlation : -0.362952  
Relative ecdf deviation area p-value : 0.21  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.06000000000000001  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0269796  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0

Absolute distances



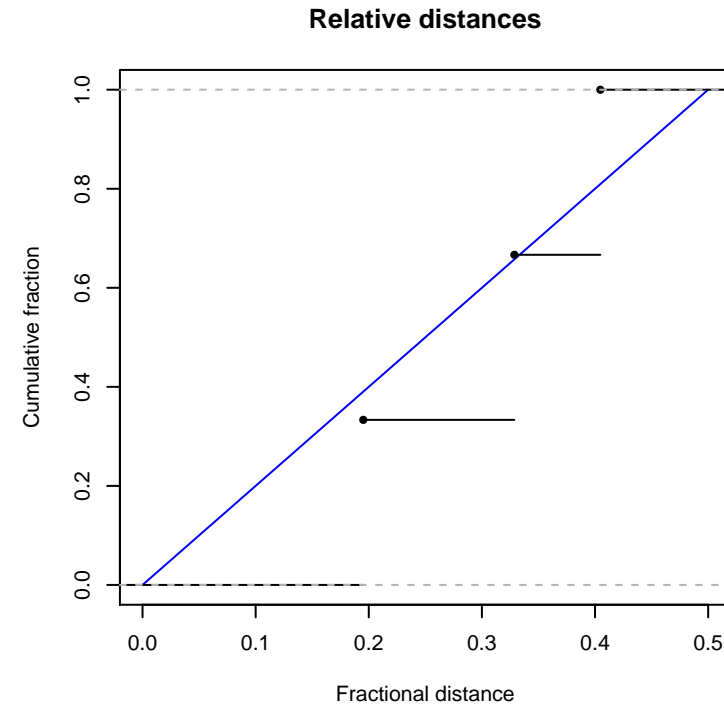
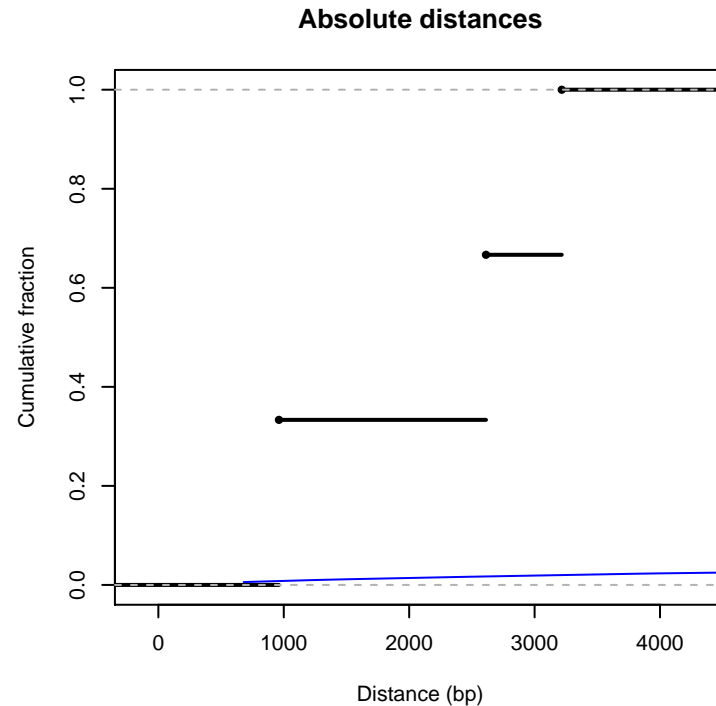
Relative distances





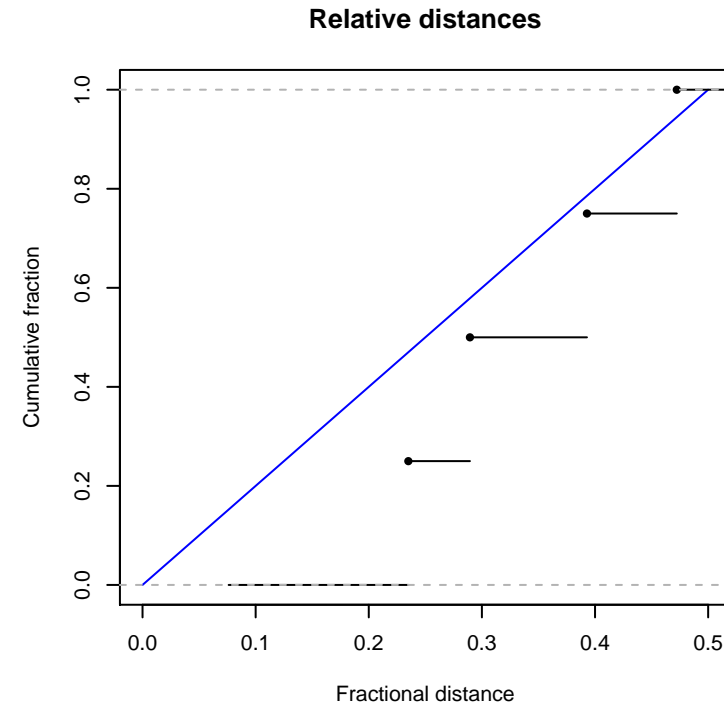
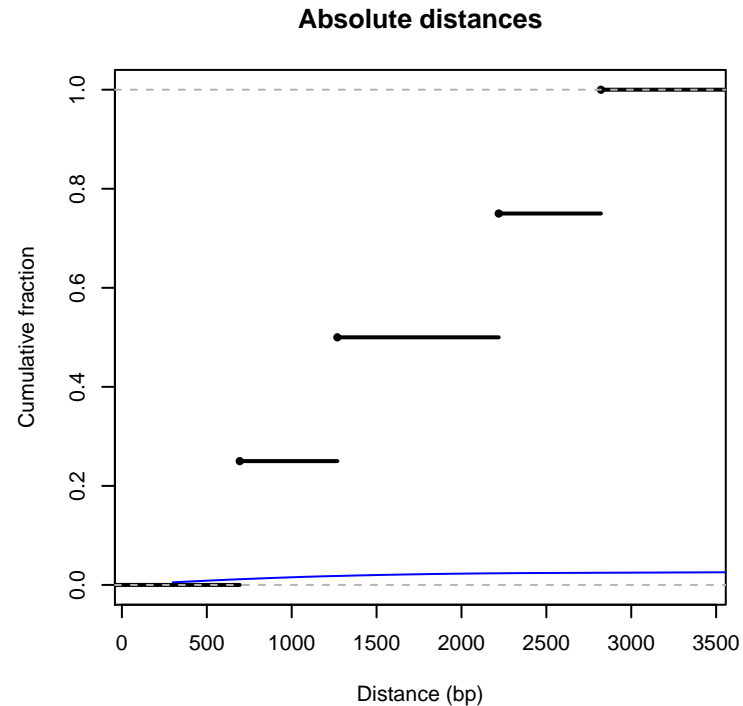
# pcontig\_138

Query population : 3  
Reference population : 13  
Relative Ks p-value : 0.621599  
Relative ecdf deviation area : 0.0780546  
Relative ecdf area correlation : -0.238055  
Relative ecdf deviation area p-value : 0.61  
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 : 0.0145514  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



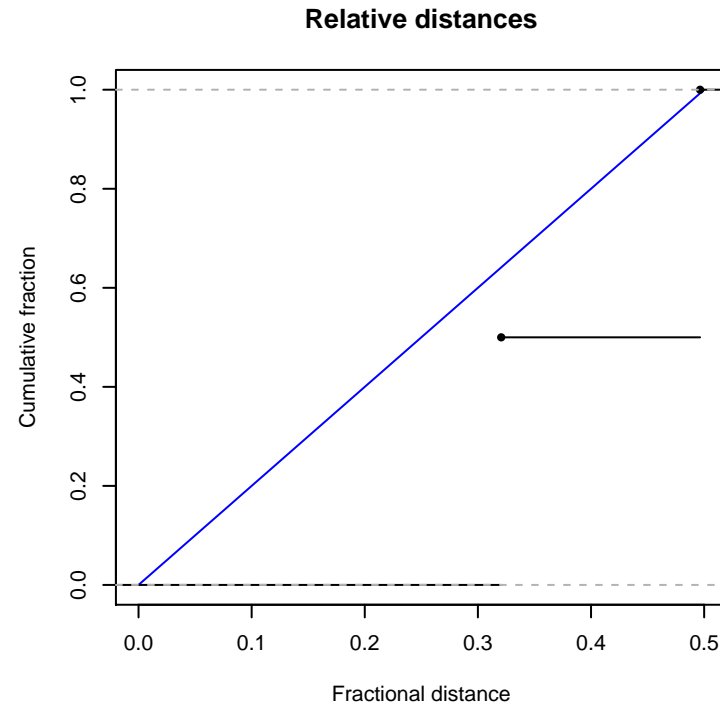
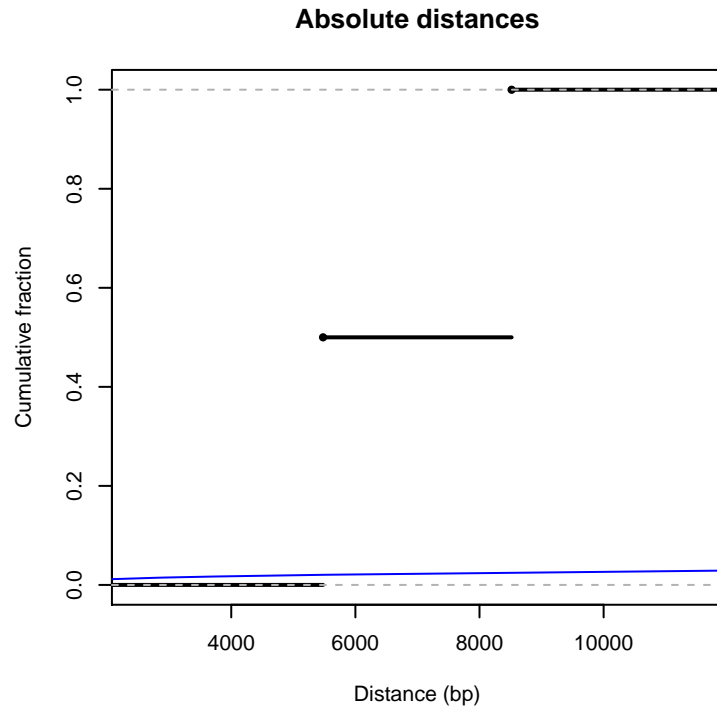
# pcontig\_146

Query population : 4  
Reference population : 27  
Relative Ks p-value : 0.245364  
Relative ecdf deviation area : 0.098698  
Relative ecdf area correlation : -0.389546  
Relative ecdf deviation area p-value : 0.26  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.07  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0471805  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



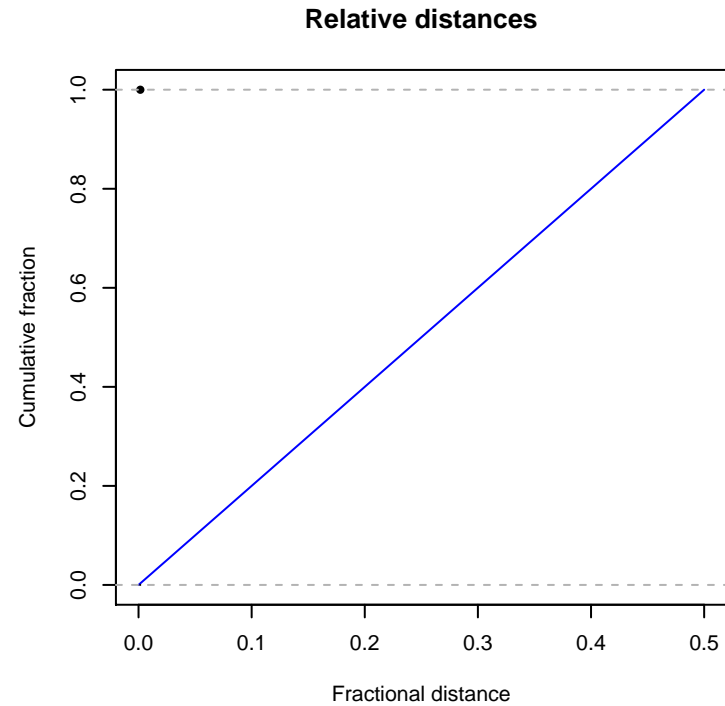
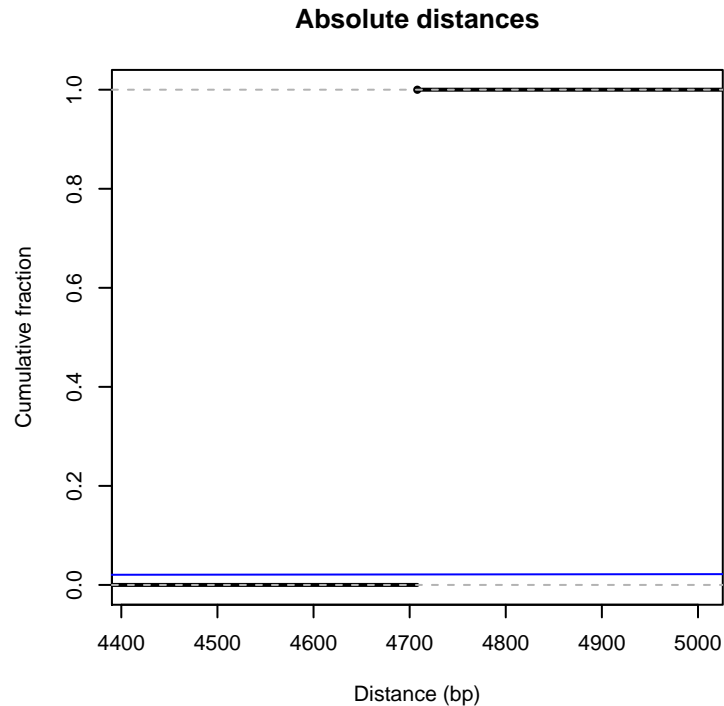
# pcontig\_147

Query population : 2  
Reference population : 11  
Relative Ks p-value : 0.257479  
Relative ecdf deviation area : 0.158896  
Relative ecdf area correlation : -0.633995  
Relative ecdf deviation area p-value : 0.22  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.06000000000000001  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0123791  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



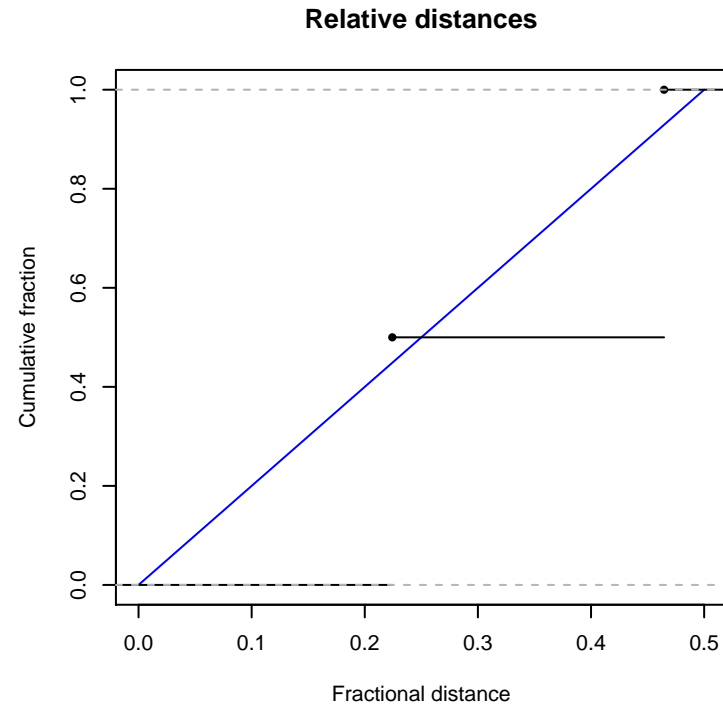
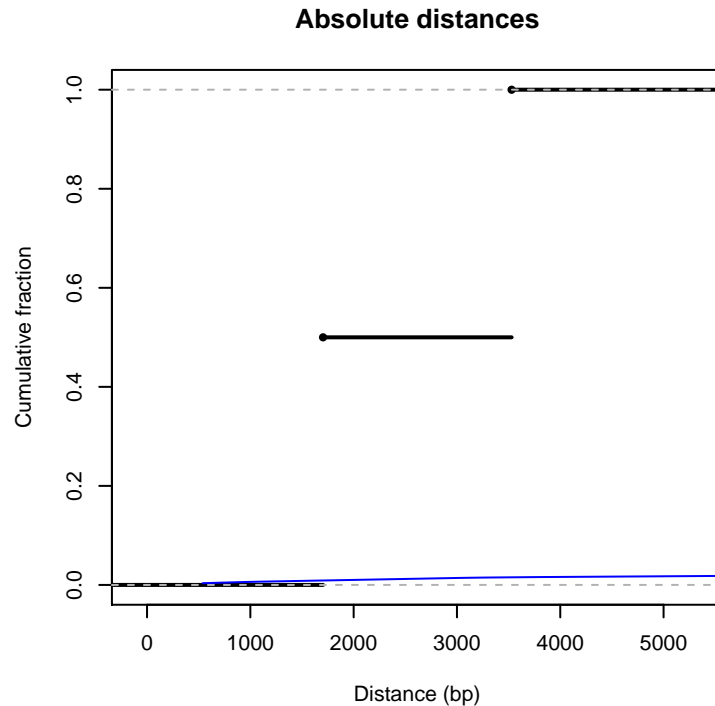
# pcontig\_148

Query population : 1  
Reference population : 12  
Relative Ks p-value : 0.00627528  
Relative ecdf deviation area : 0.24927  
Relative ecdf area correlation : 0.993725  
Relative ecdf deviation area p-value : <0.01  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00919418  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



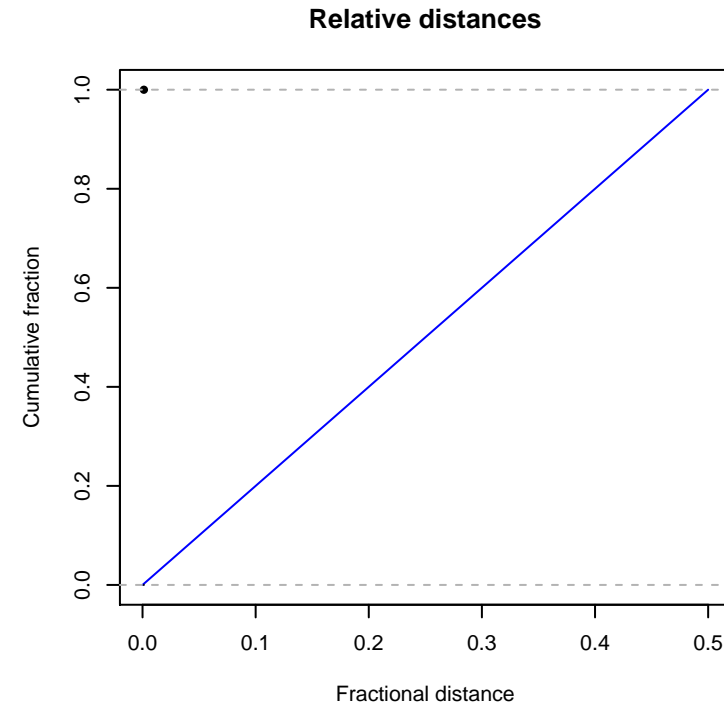
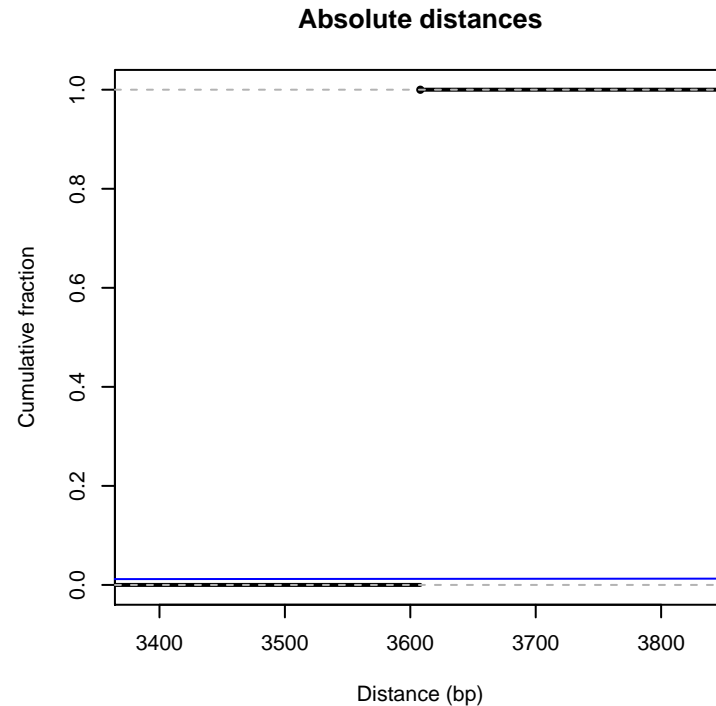
# pcontig\_157

Query population : 2  
Reference population : 10  
Relative Ks p-value : 0.684283  
Relative ecdf deviation area : 0.0984003  
Relative ecdf area correlation : -0.37783  
Relative ecdf deviation area p-value : 0.6  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.04  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00783239  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



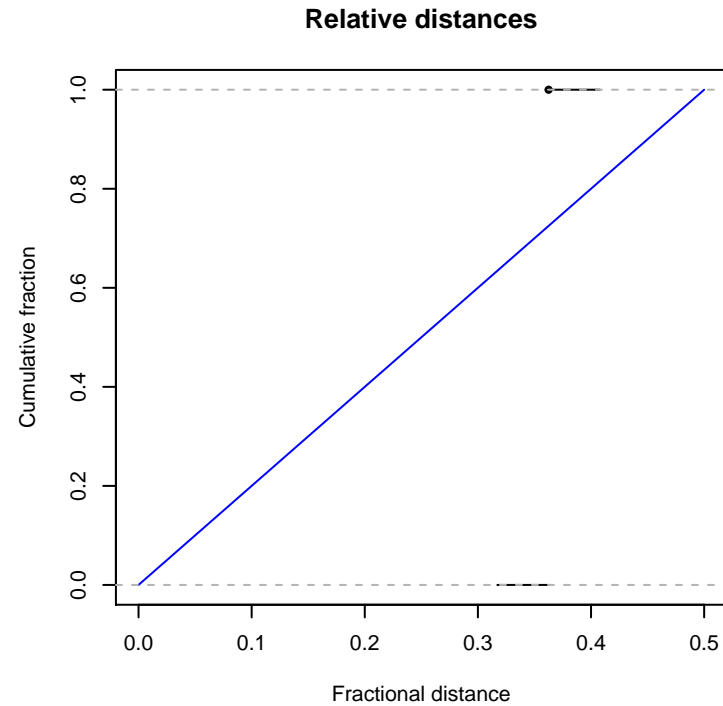
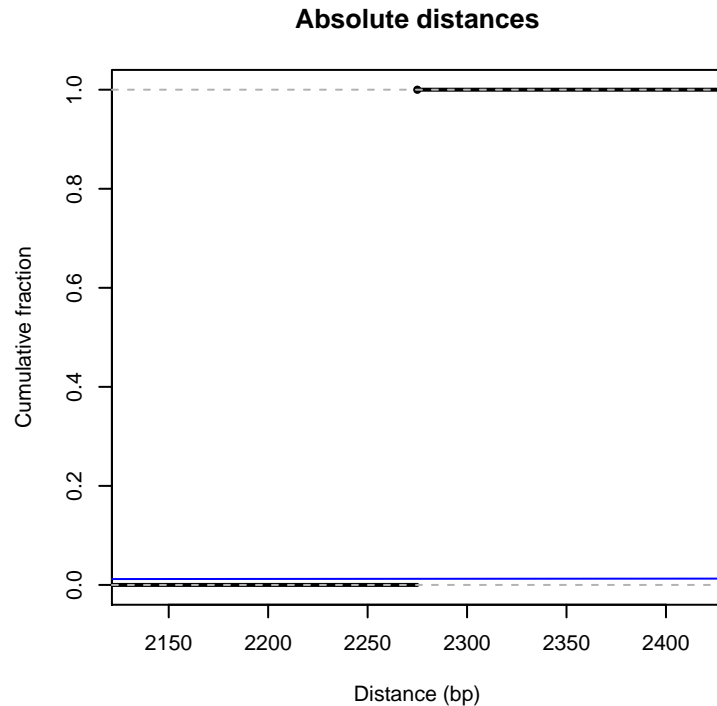
# pcontig\_166

Query population : 1  
Reference population : 8  
Relative Ks p-value : 0.00477282  
Relative ecdf deviation area : 0.24927  
Relative ecdf area correlation : 0.995227  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : 0.03  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00523992  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



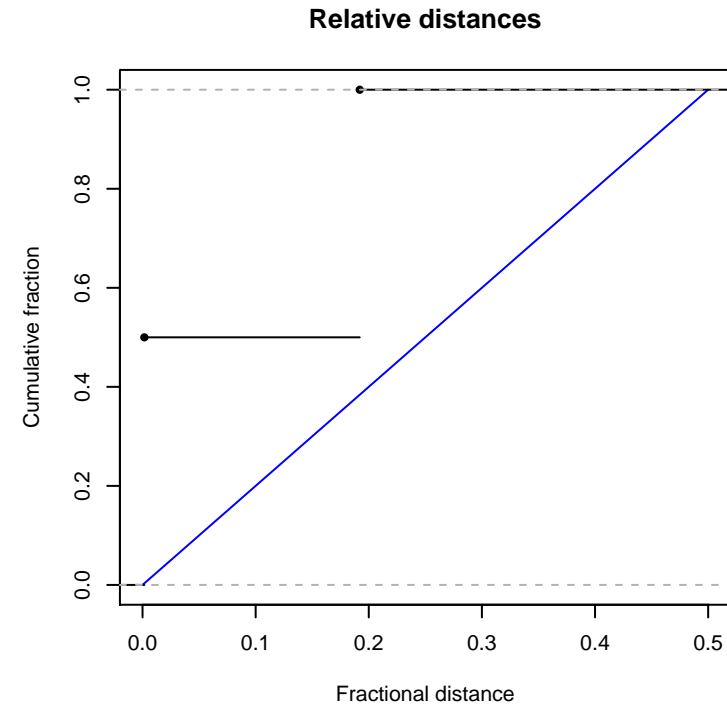
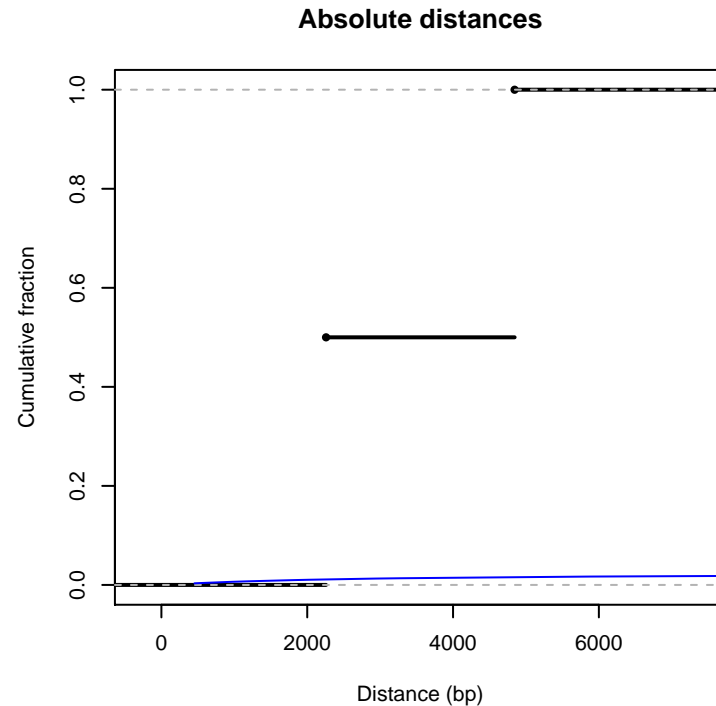
# pcontig\_174

Query population : 1  
Reference population : 11  
Relative Ks p-value : 0.550032  
Relative ecdf deviation area : 0.150641  
Relative ecdf area correlation : -0.449968  
Relative ecdf deviation area p-value : 0.53  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00651871  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



# pcontig\_179

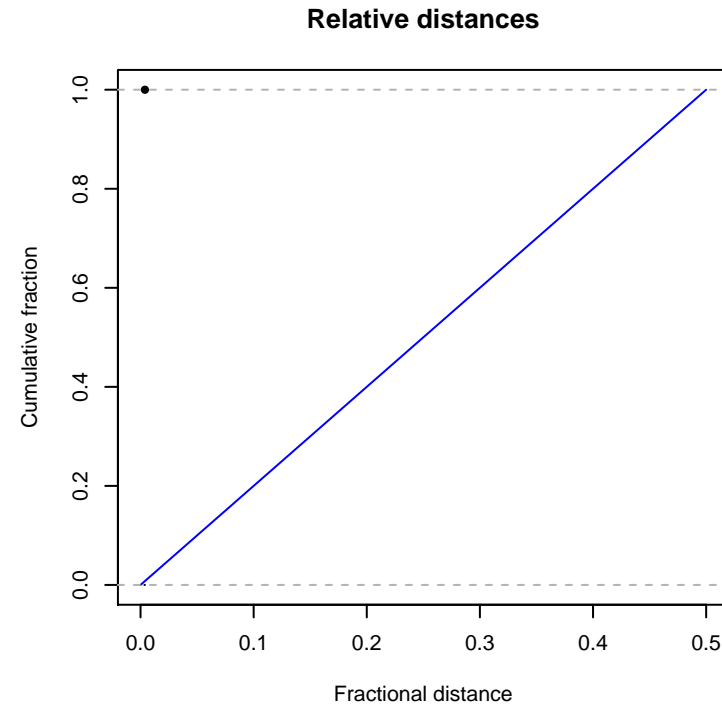
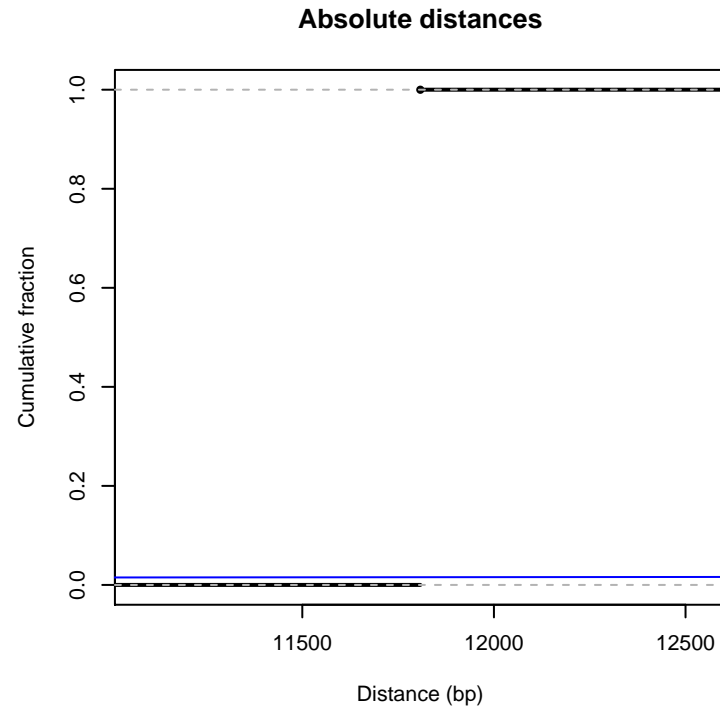
Query population : 2  
Reference population : 11  
Relative Ks p-value : 0.294813  
Relative ecdf deviation area : 0.152843  
Relative ecdf area correlation : 0.612859  
Relative ecdf deviation area p-value : 0.19  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.03  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00859144  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





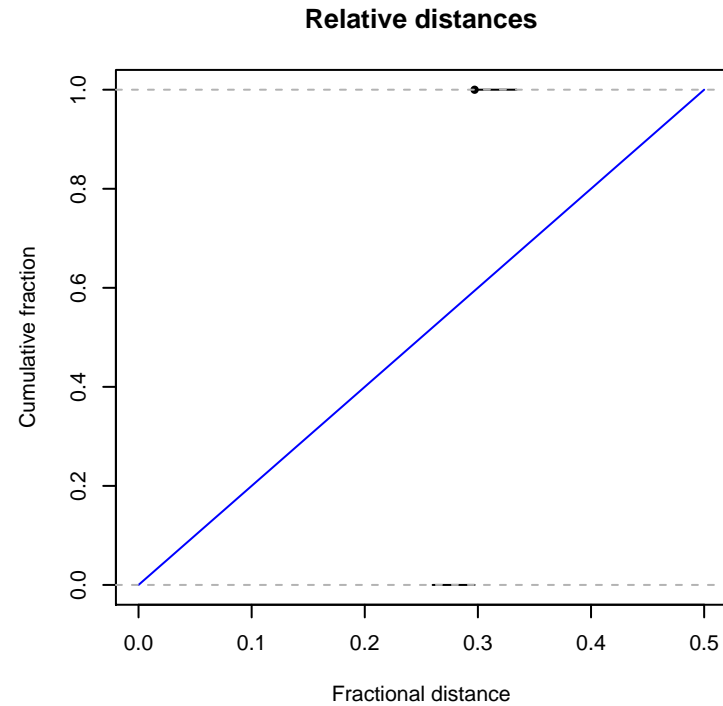
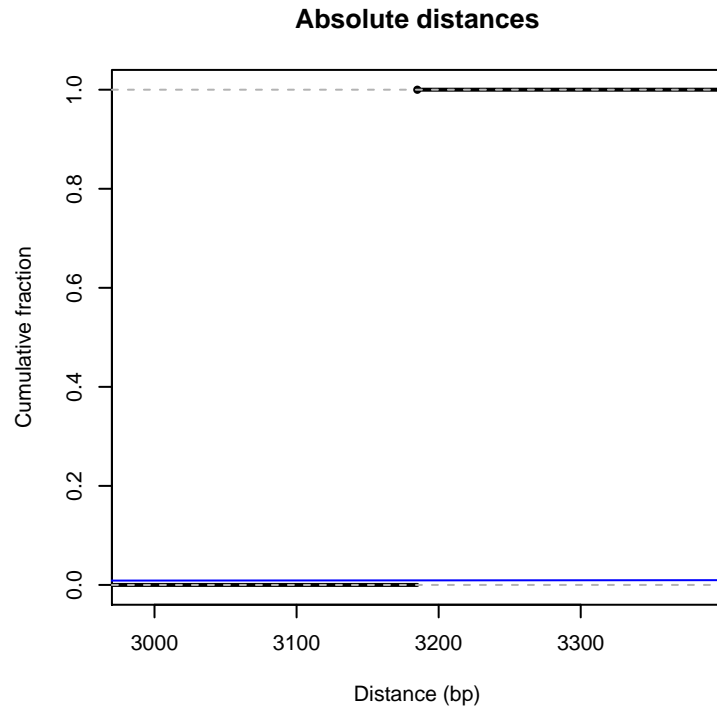
# pcontig\_181

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



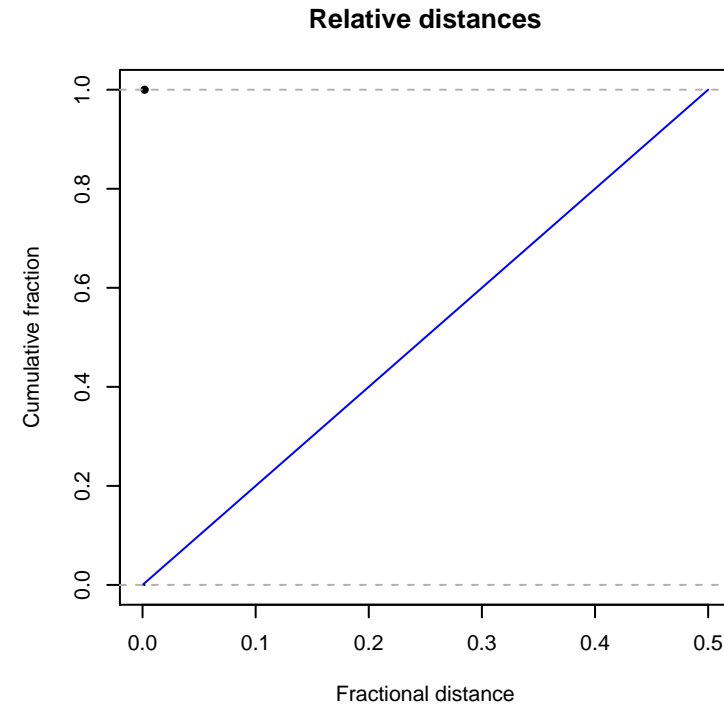
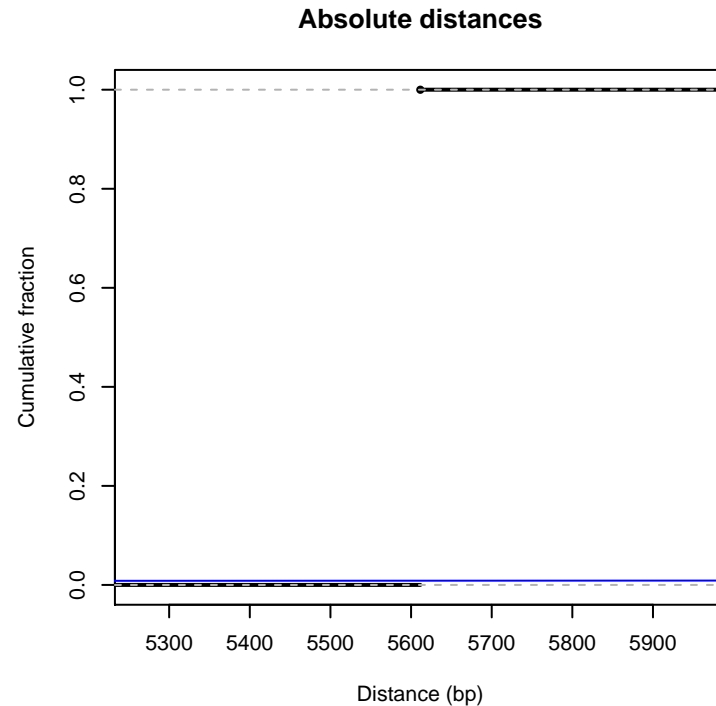
# pcontig\_186

Query population : 1  
Reference population : 6  
Relative Ks p-value : 0.811623  
Relative ecdf deviation area : 0.129391  
Relative ecdf area correlation : -0.188377  
Relative ecdf deviation area p-value : 0.82  
Scaled Absolute min. distance p-value : 0.02  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00432687  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



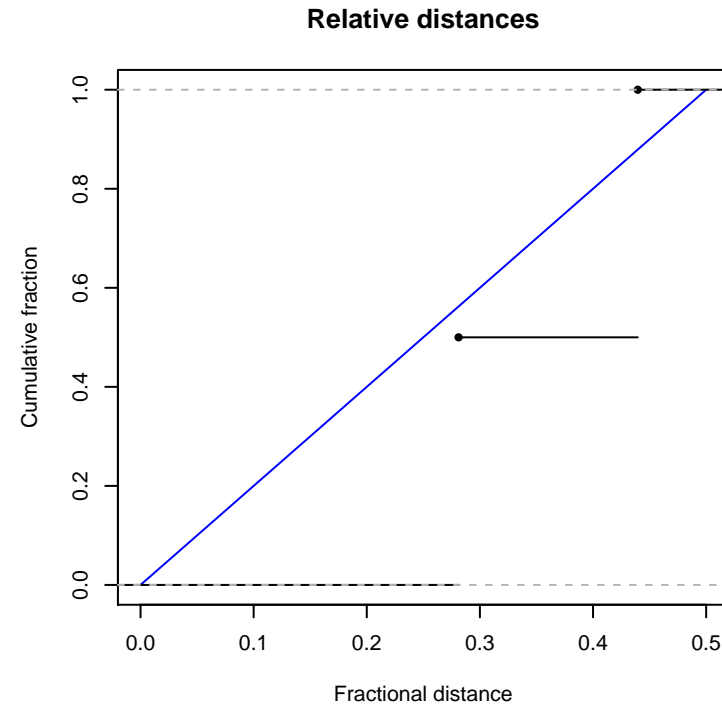
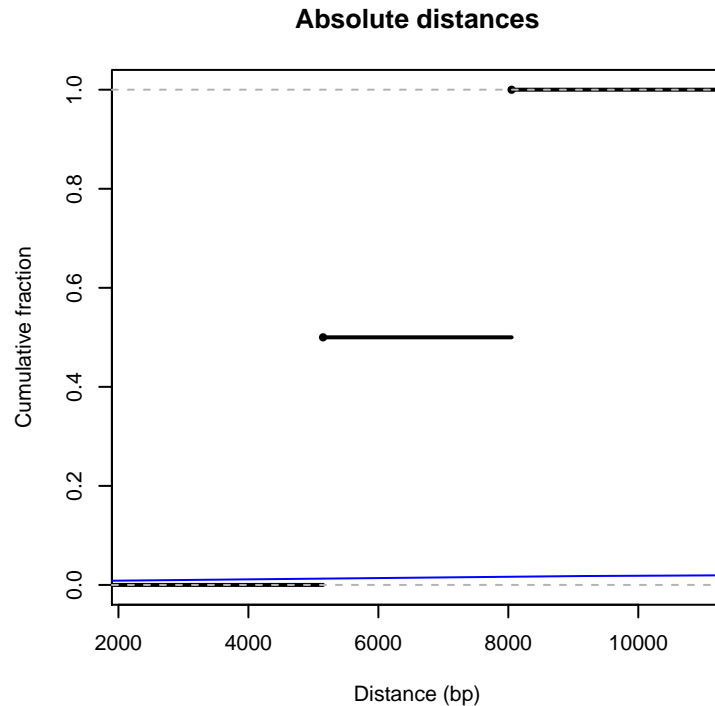
# pcontig\_187

Query population : 1  
Reference population : 4  
Relative Ks p-value : 0.00736605  
Relative ecdf deviation area : 0.248621  
Relative ecdf area correlation : 0.992634  
Relative ecdf deviation area p-value : 0.02  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.000965952  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



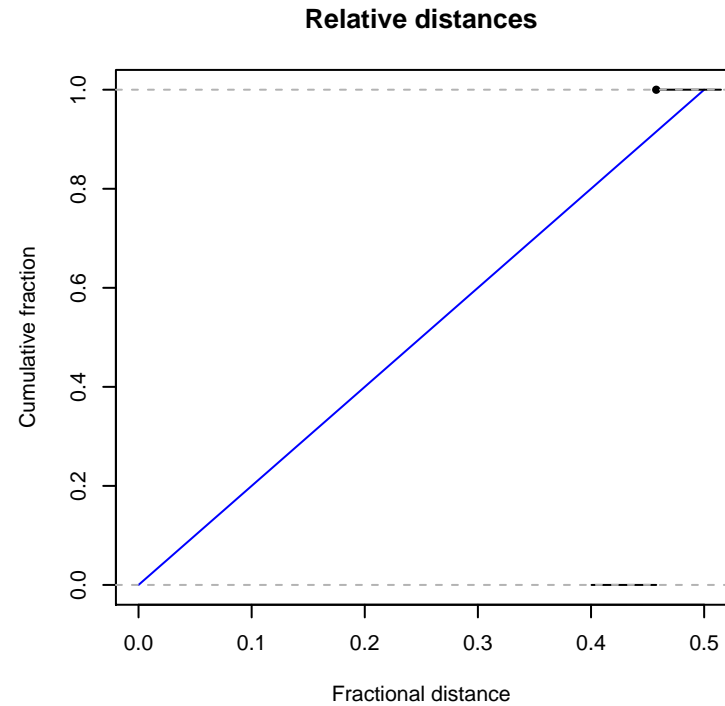
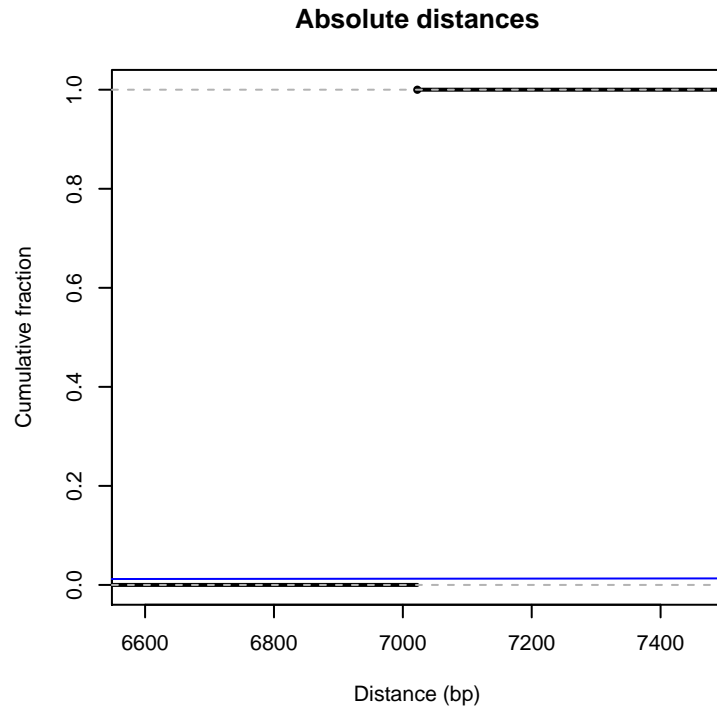
# pcontig\_188

Query population : 2  
Reference population : 10  
Relative Ks p-value : 0.38324  
Relative ecdf deviation area : 0.117445  
Relative ecdf area correlation : -0.441347  
Relative ecdf deviation area p-value : 0.39  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.0100112  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



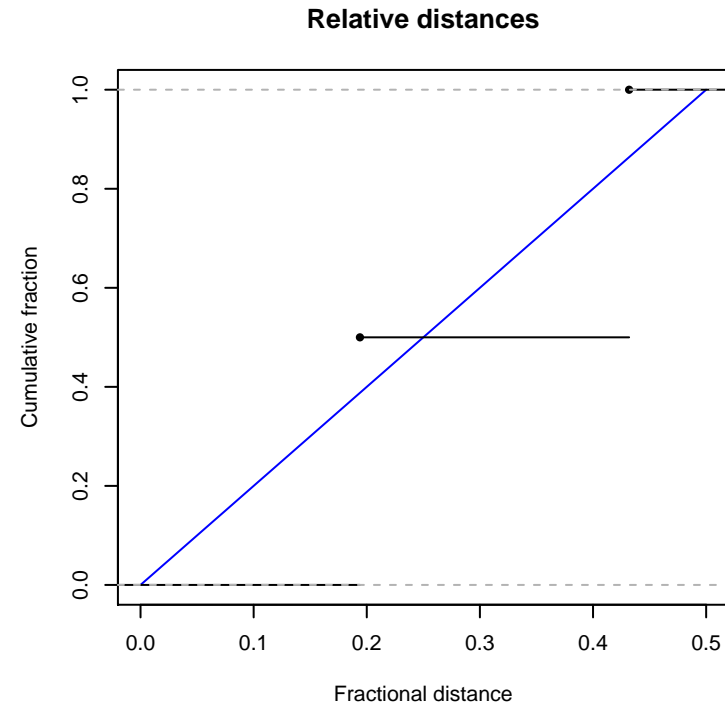
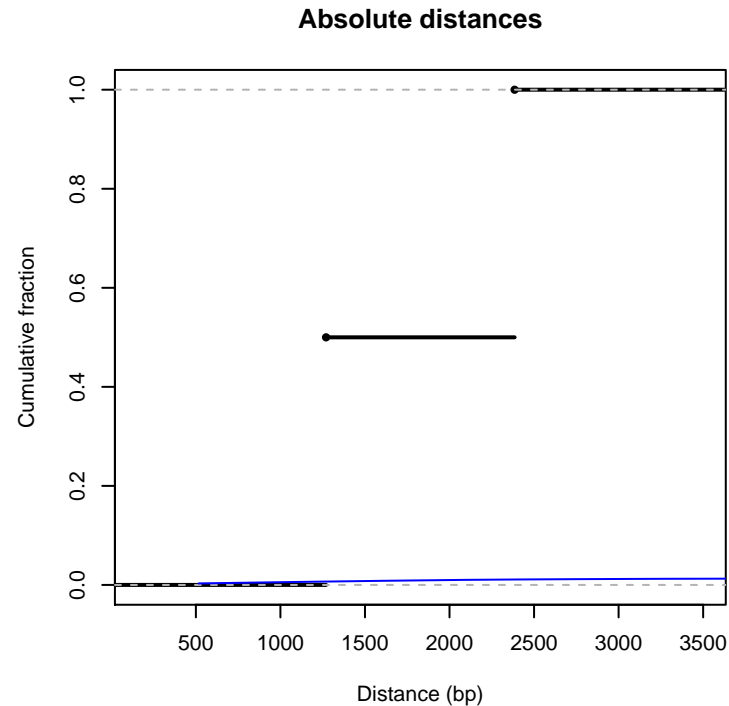
## pcontig\_189

Query population : 1  
Reference population : 6  
Relative Ks p-value : 0.169377  
Relative ecdf deviation area : 0.211598  
Relative ecdf area correlation : -0.830623  
Relative ecdf deviation area p-value : 0.12  
Scaled Absolute min. distance p-value : 0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : <0.01  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.002586  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



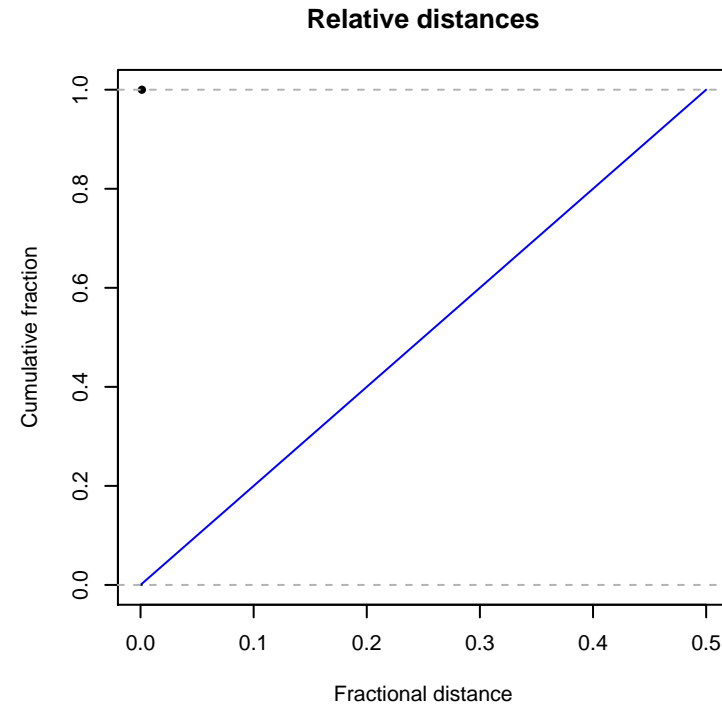
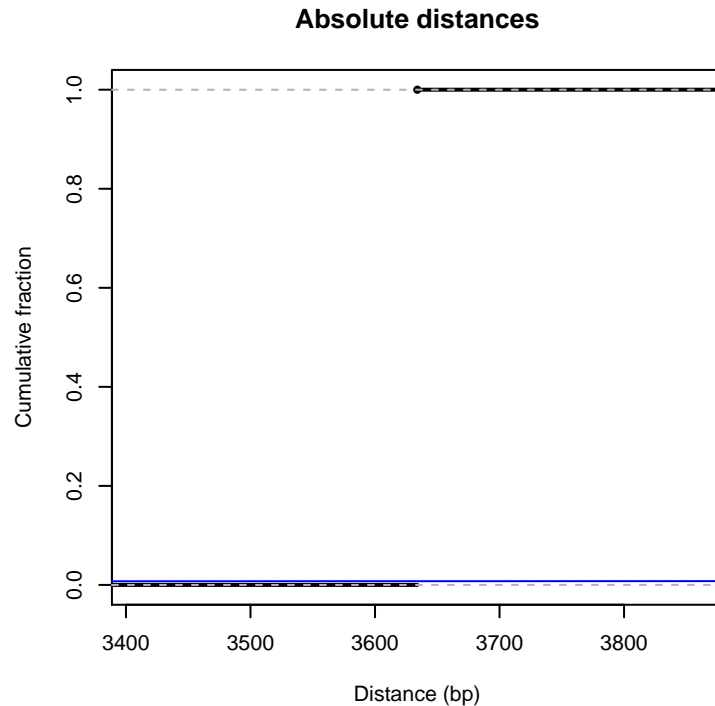
# pcontig\_203

Query population : 2  
Reference population : 9  
Relative Ks p-value : 0.847858  
Relative ecdf deviation area : 0.078241  
Relative ecdf area correlation : -0.251722  
Relative ecdf deviation area p-value : 0.81  
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 : 0.00925333  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0



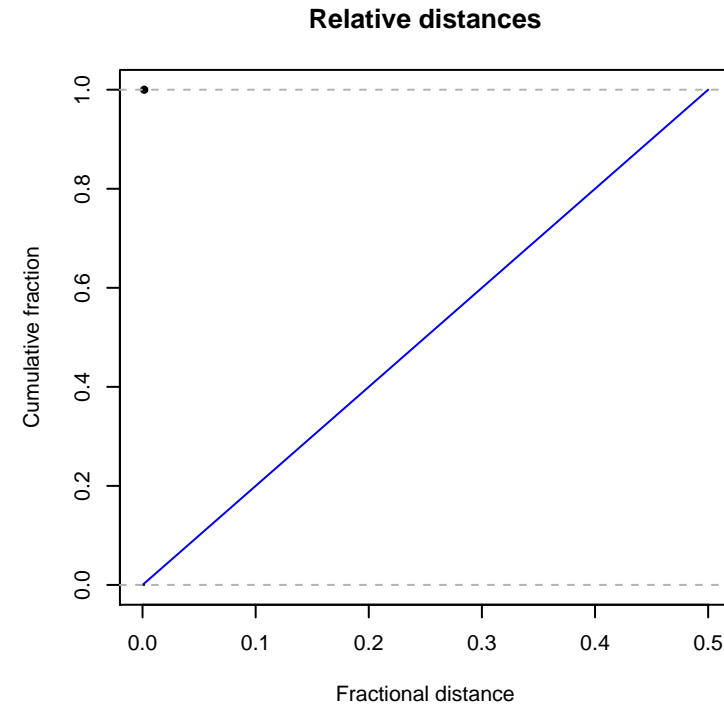
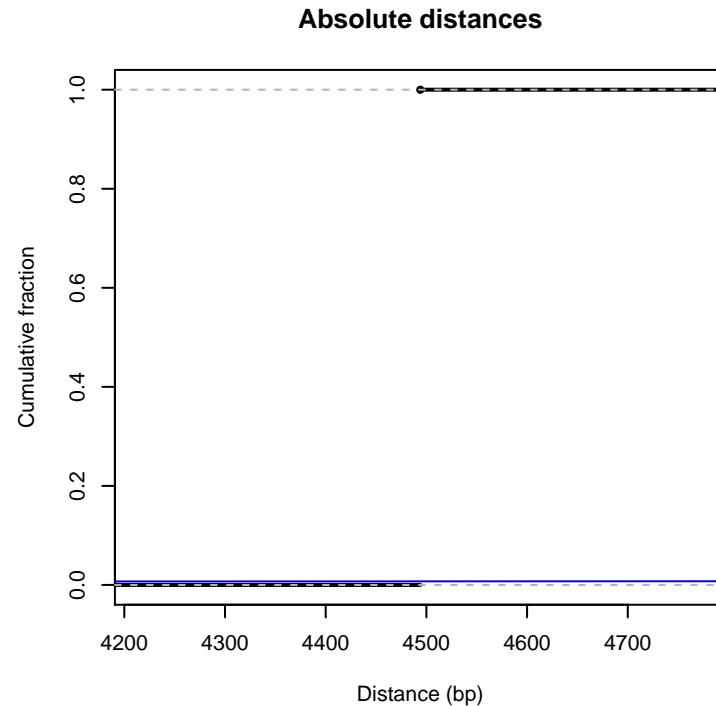
# pcontig\_218

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



# pcontig\_233

Query population : 1  
Reference population : 4  
Relative Ks p-value : 0.00589566  
Relative ecdf deviation area : 0.24927  
Relative ecdf area correlation : 0.994104  
Relative ecdf deviation area p-value : 0.01  
Scaled Absolute min. distance p-value : <0.01  
Scaled Absolute min. lower tail : TRUE  
Jaccard Measure p-value : 0.02  
Jaccard Measure lower tail : FALSE  
Projection test p-value : 0.00252852  
Projection test lower tail : FALSE  
Projection test observed to expected ratio : 0





# All Chromosomes

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

