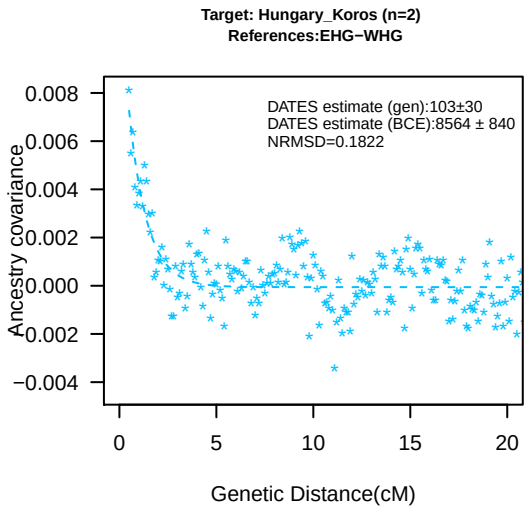
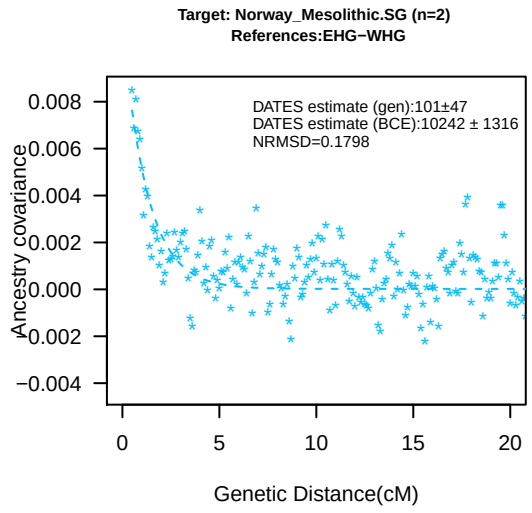
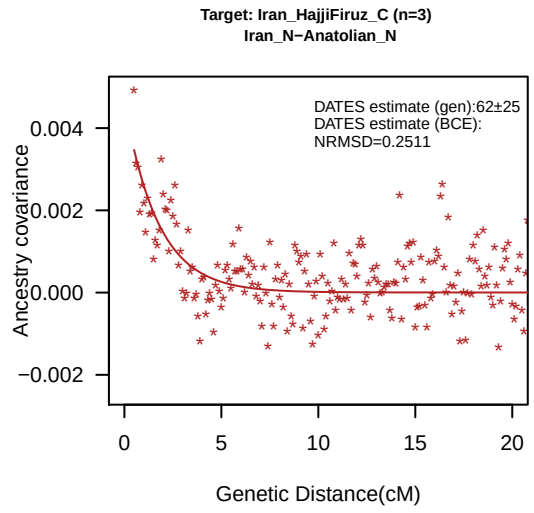
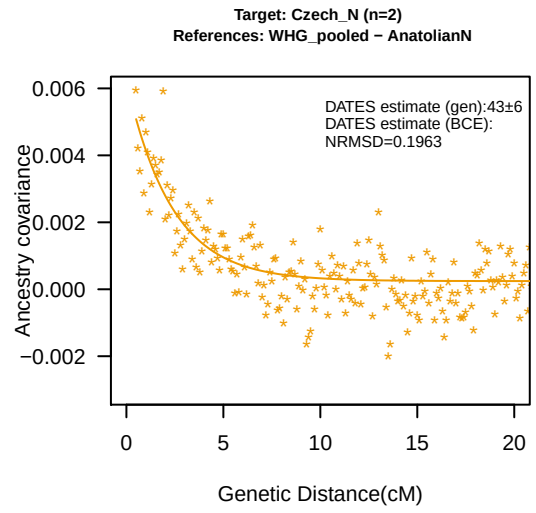
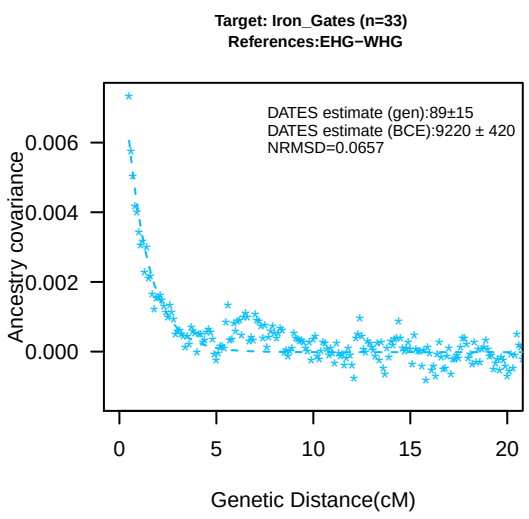
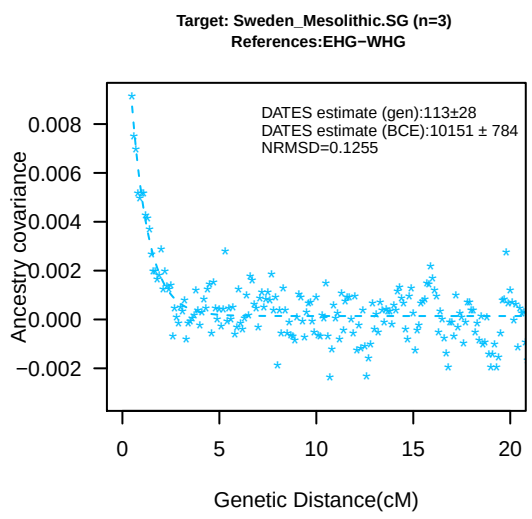

Target: Hungary_Koros (n=2)
References:EHG−WHG
DATES estimate (gen):103±30
DATES estimate (BCE):8564 ± 840
NRMSD=0.1822
Ancestry covariance
Genetic Distance(cM)

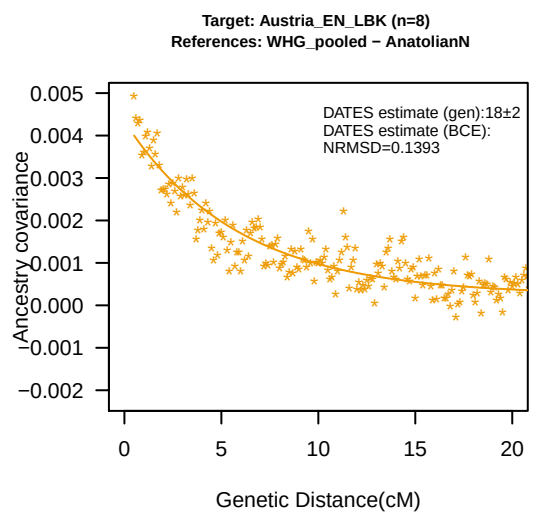

Target: Norway_Mesolithic.SG (n=2)
References:EHG−WHG
DATES estimate (gen):101±47
DATES estimate (BCE):10242 ± 1316
NRMSD=0.1798
Ancestry covariance
Genetic Distance(cM)

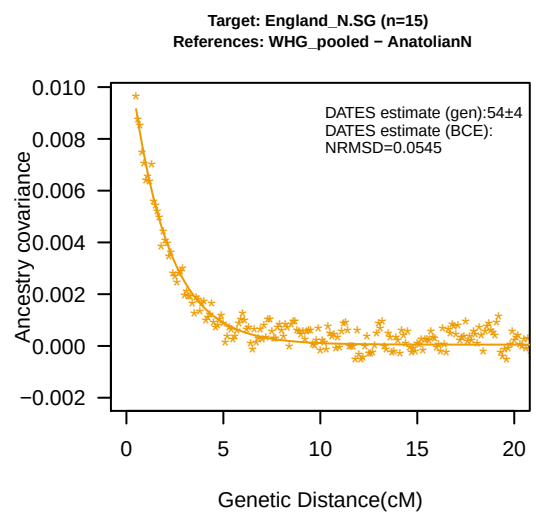

Target: Iran_HajjiFiruz_C (n=3)
Iran_N−Anatolian_N
DATES estimate (gen):62±25
DATES estimate (BCE):
NRMSD=0.2511
Ancestry covariance
Genetic Distance(cM)

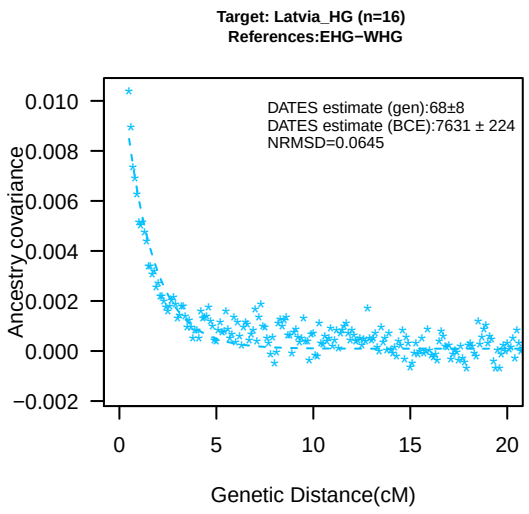

Target: Czech_N (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):43±6
DATES estimate (BCE):
NRMSD=0.1963
Ancestry covariance
Genetic Distance(cM)

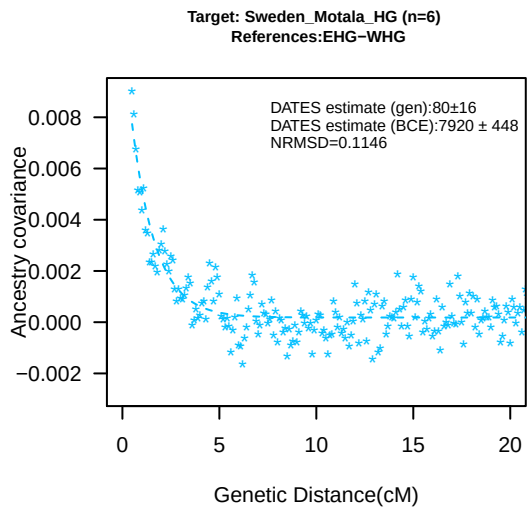

Target: Iron_Gates (n=33)
References:EHG−WHG
DATES estimate (gen):89±15
DATES estimate (BCE):9220 ± 420
NRMSD=0.0657
Ancestry covariance
Genetic Distance(cM)

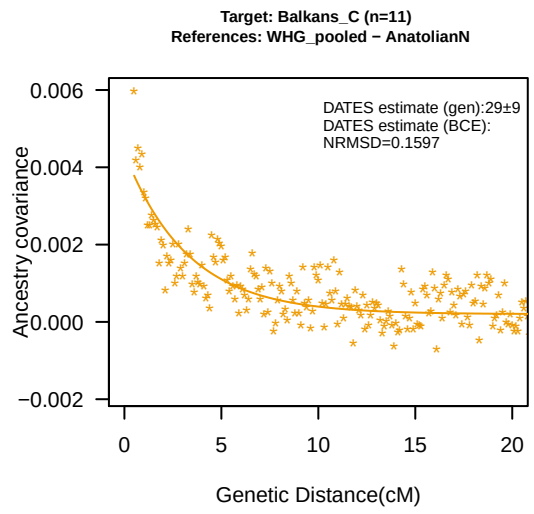

Target: Sweden_Mesolithic.SG (n=3)
References:EHG−WHG
DATES estimate (gen):113±28
DATES estimate (BCE):10151 ± 784
NRMSD=0.1255
Ancestry covariance
Genetic Distance(cM)

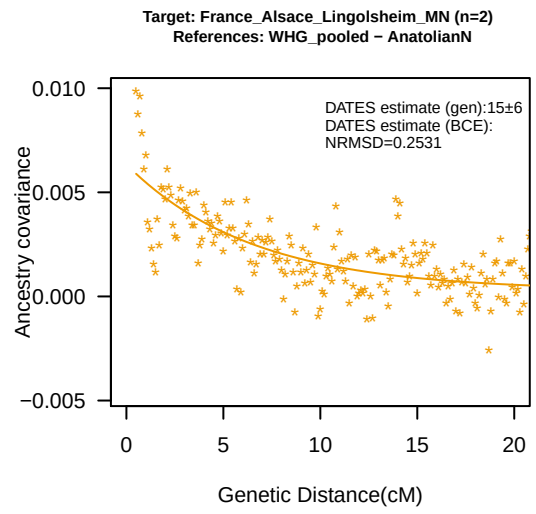

Target: Austria_EN_LBK (n=8)
References: WHG_pooled − AnatolianN
DATES estimate (gen):18±2
DATES estimate (BCE):
NRMSD=0.1393
Ancestry covariance
Genetic Distance(cM)

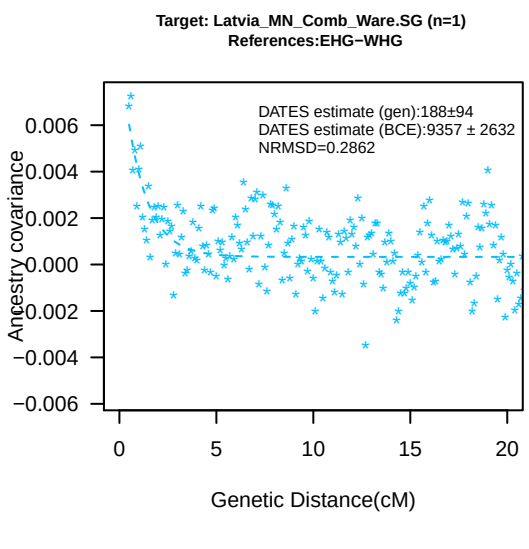

Target: England_N.SG (n=15)
References: WHG_pooled − AnatolianN
DATES estimate (gen):54±4
DATES estimate (BCE):
NRMSD=0.0545
Ancestry covariance
Genetic Distance(cM)

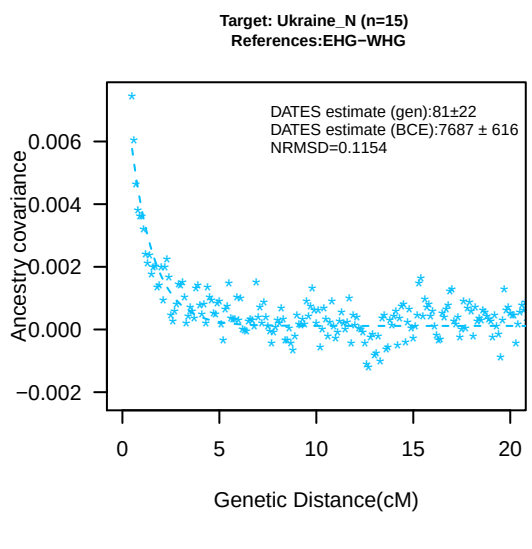

Target: Latvia_HG (n=16)
References:EHG−WHG
DATES estimate (gen):68±8
DATES estimate (BCE):7631 ± 224
NRMSD=0.0645
Ancestry covariance
Genetic Distance(cM)

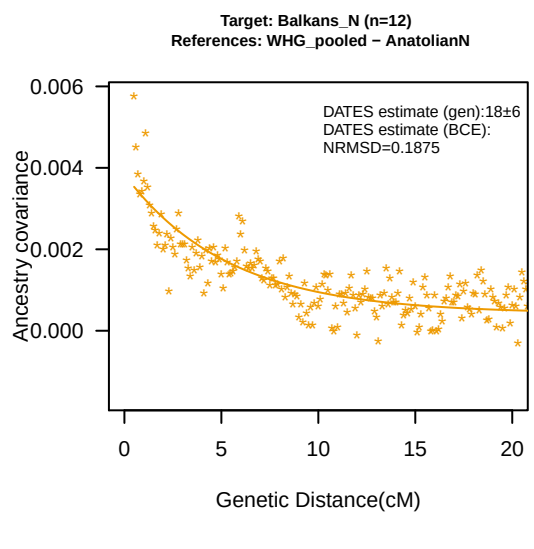

Target: Sweden_Motala_HG (n=6)
References:EHG−WHG
DATES estimate (gen):80±16
DATES estimate (BCE):7920 ± 448
NRMSD=0.1146
Ancestry covariance
Genetic Distance(cM)

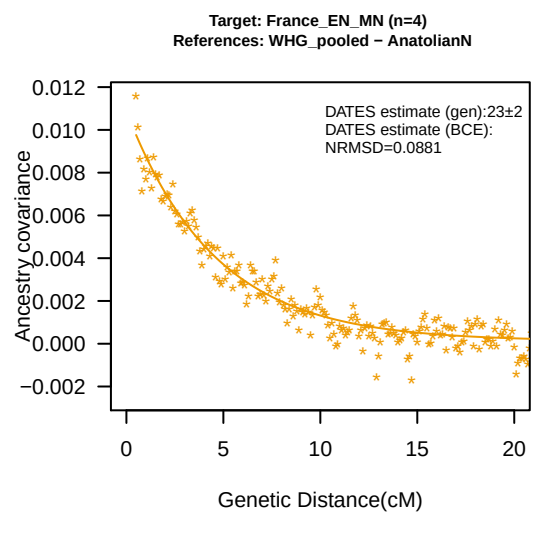

Target: Balkans_C (n=11)
References: WHG_pooled − AnatolianN
DATES estimate (gen):29±9
DATES estimate (BCE):
NRMSD=0.1597
Ancestry covariance
Genetic Distance(cM)

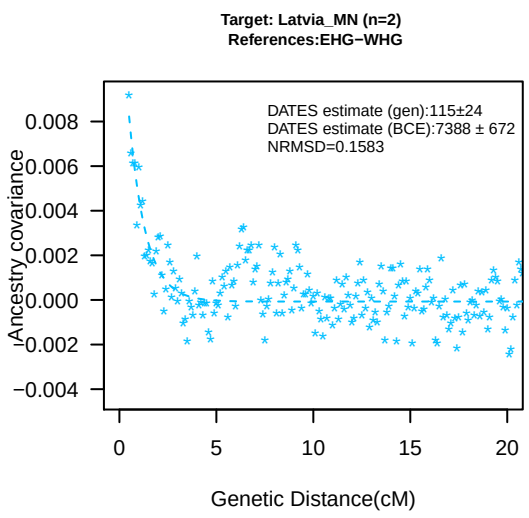

Target: France_Alsace_Lingolsheim_MN (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):15±6
DATES estimate (BCE):
NRMSD=0.2531
Ancestry covariance
Genetic Distance(cM)

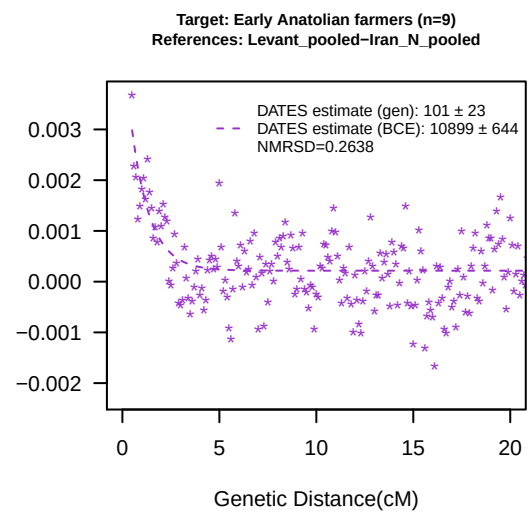

Target: Latvia_MN_Comb_Ware.SG (n=1)
References:EHG−WHG
DATES estimate (gen):188±94
DATES estimate (BCE):9357 ± 2632
NRMSD=0.2862
Ancestry covariance
Genetic Distance(cM)

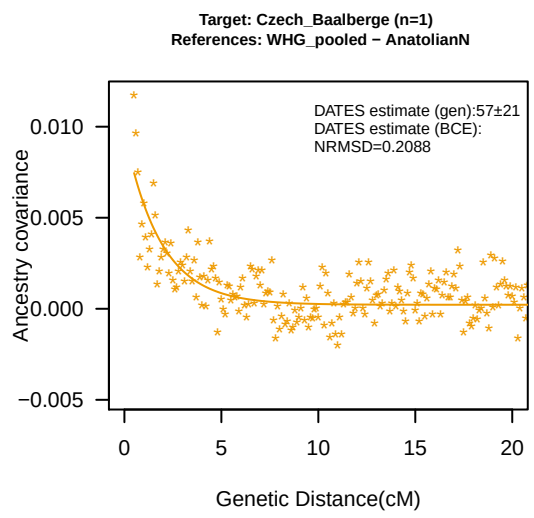

Target: Ukraine_N (n=15)
References:EHG−WHG
DATES estimate (gen):81±22
DATES estimate (BCE):7687 ± 616
NRMSD=0.1154
Ancestry covariance
Genetic Distance(cM)

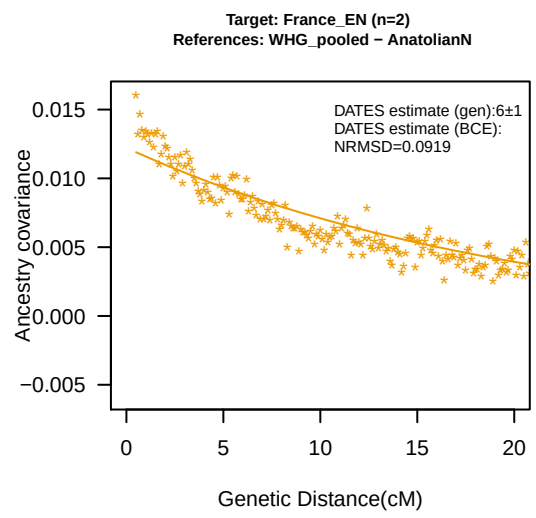

Target: Balkans_N (n=12)
References: WHG_pooled − AnatolianN
DATES estimate (gen):18±6
DATES estimate (BCE):
NRMSD=0.1875
Ancestry covariance
Genetic Distance(cM)

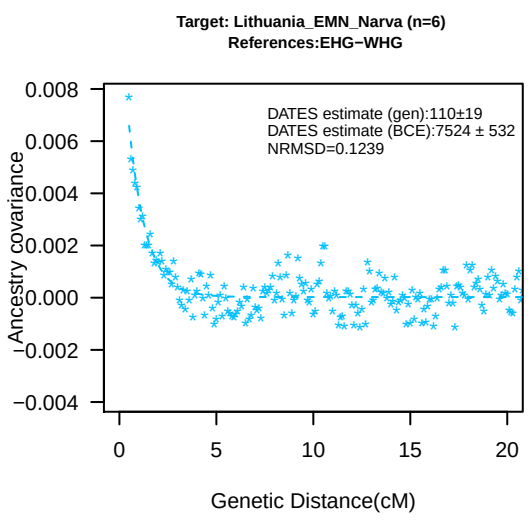

Target: France_EN_MN (n=4)
References: WHG_pooled − AnatolianN
DATES estimate (gen):23±2
DATES estimate (BCE):
NRMSD=0.0881
Ancestry covariance
Genetic Distance(cM)

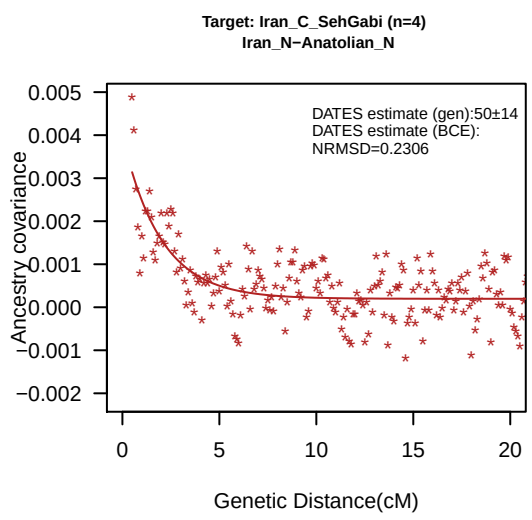

Target: Latvia_MN (n=2)
References:EHG−WHG
DATES estimate (gen):115±24
DATES estimate (BCE):7388 ± 672
NRMSD=0.1583
Ancestry covariance
Genetic Distance(cM)

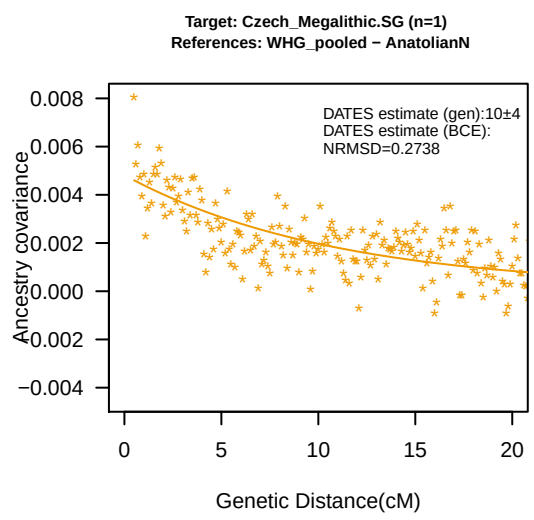

Target: Early Anatolian farmers (n=9)
References: Levant_pooled−Iran_N_pooled
DATES estimate (gen): 101 ± 23
DATES estimate (BCE): 10899 ± 644
NMRSD=0.2638
Ancestry covariance
Genetic Distance(cM)

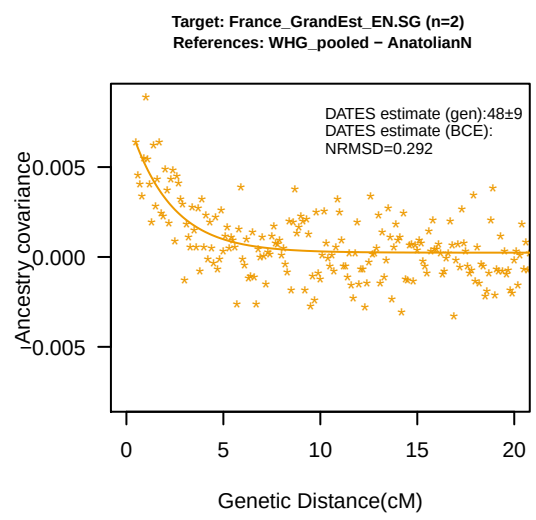

Target: Czech_Baalberge (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):57±21
DATES estimate (BCE):
NRMSD=0.2088
Ancestry covariance
Genetic Distance(cM)

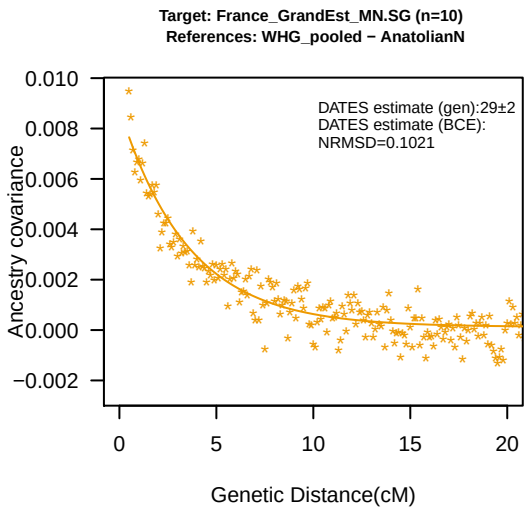

Target: France_EN (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):6±1
DATES estimate (BCE):
NRMSD=0.0919
Ancestry covariance
Genetic Distance(cM)

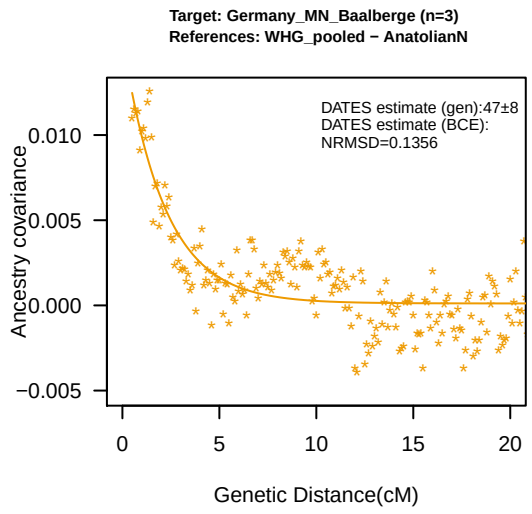

Target: Lithuania_EMN_Narva (n=6)
References:EHG−WHG
DATES estimate (gen):110±19
DATES estimate (BCE):7524 ± 532
NRMSD=0.1239
Ancestry covariance
Genetic Distance(cM)

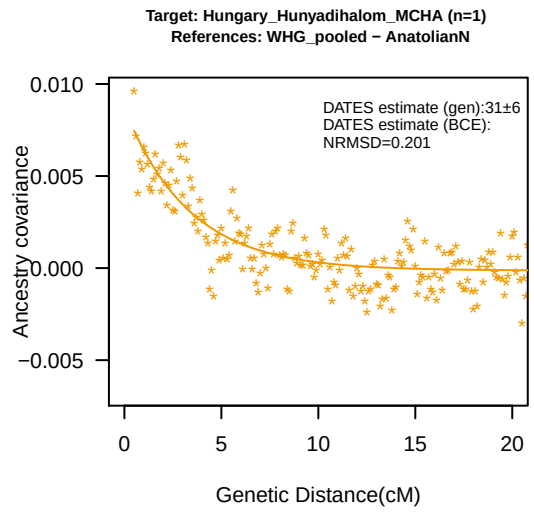

Target: Iran_C_SehGabi (n=4)
Iran_N−Anatolian_N
DATES estimate (gen):50±14
DATES estimate (BCE):
NRMSD=0.2306
Ancestry covariance
Genetic Distance(cM)

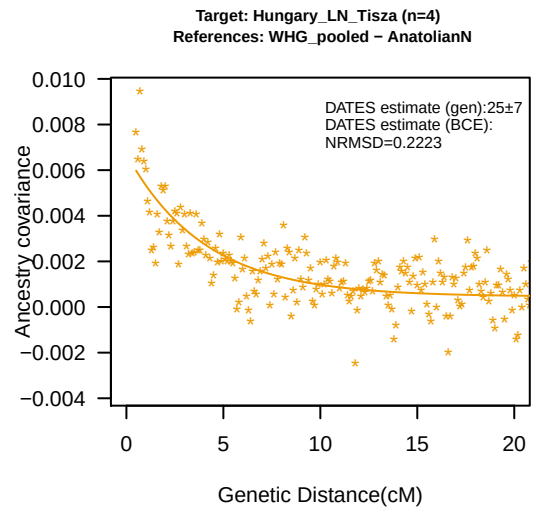

Target: Czech_Megalithic.SG (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):10±4
DATES estimate (BCE):
NRMSD=0.2738
Ancestry covariance
Genetic Distance(cM)

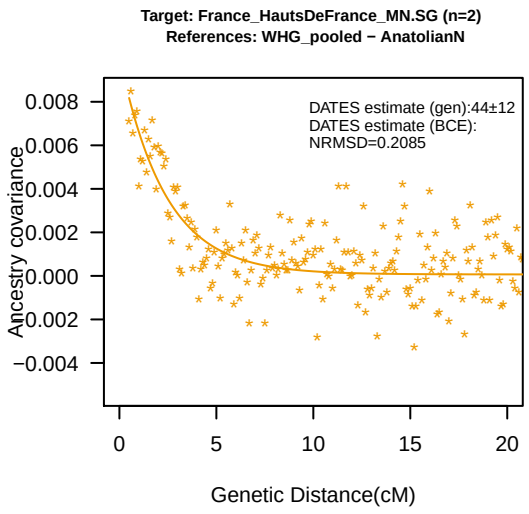

Target: France_GrandEst_EN.SG (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):48±9
DATES estimate (BCE):
NRMSD=0.292
Ancestry covariance
Genetic Distance(cM)

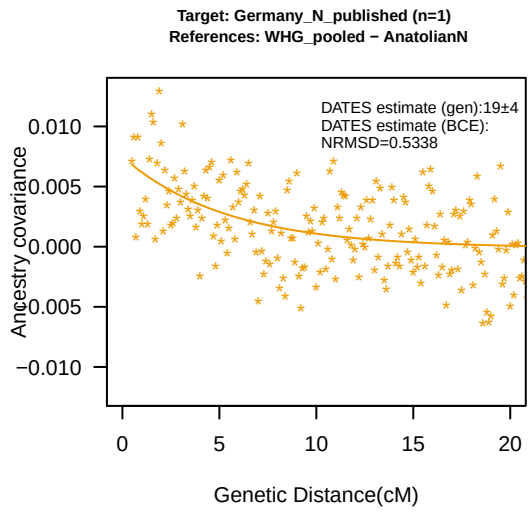

Target: France_GrandEst_MN.SG (n=10)
References: WHG_pooled − AnatolianN
DATES estimate (gen):29±2
DATES estimate (BCE):
NRMSD=0.1021
Ancestry covariance
Genetic Distance(cM)

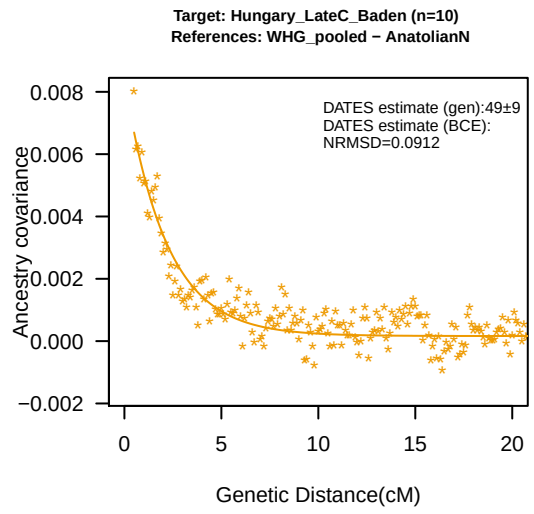

Target: Germany_MN_Baalberge (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):47±8
DATES estimate (BCE):
NRMSD=0.1356
Ancestry covariance
Genetic Distance(cM)

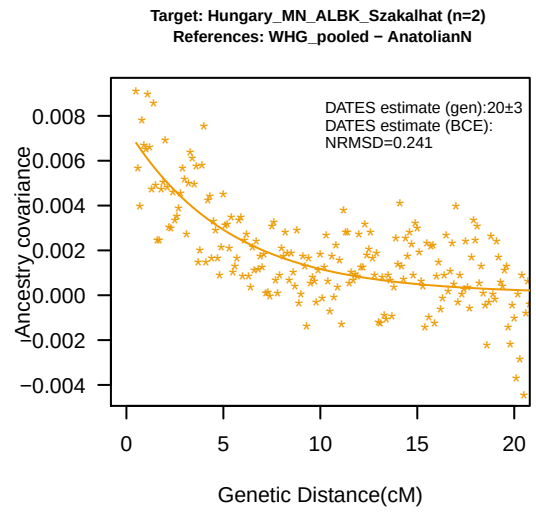

Target: Hungary_Hunyadihalom_MCHA (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):31±6
DATES estimate (BCE):
NRMSD=0.201
Ancestry covariance
Genetic Distance(cM)

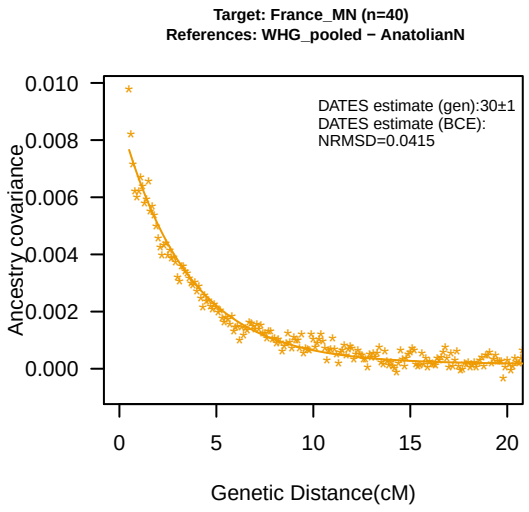

Target: Hungary_LN_Tisza (n=4)
References: WHG_pooled − AnatolianN
DATES estimate (gen):25±7
DATES estimate (BCE):
NRMSD=0.2223
Ancestry covariance
Genetic Distance(cM)

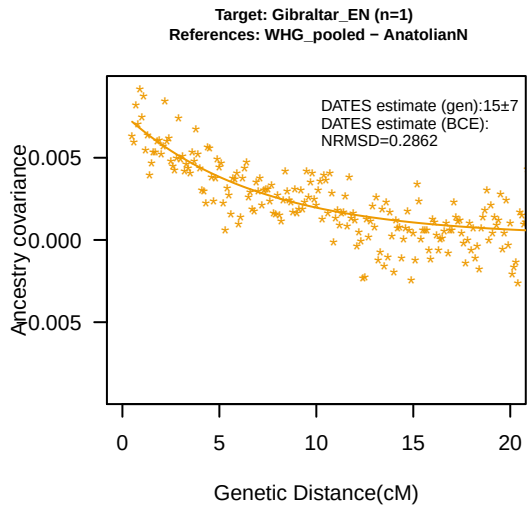

Target: France_HautsDeFrance_MN.SG (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):44±12
DATES estimate (BCE):
NRMSD=0.2085
Ancestry covariance
Genetic Distance(cM)

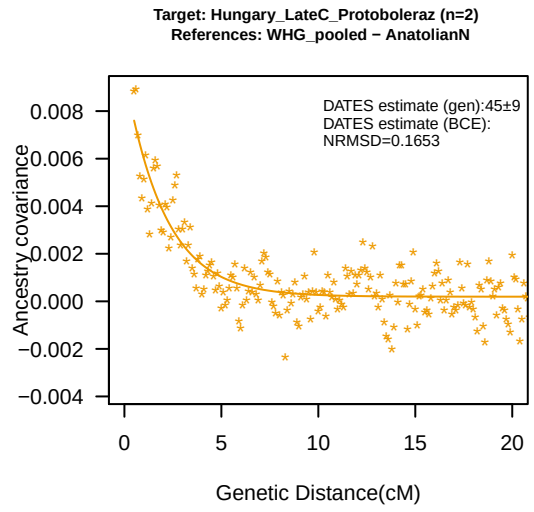

Target: Germany_N_published (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):19±4
DATES estimate (BCE):
NRMSD=0.5338
Ancestry covariance
Genetic Distance(cM)

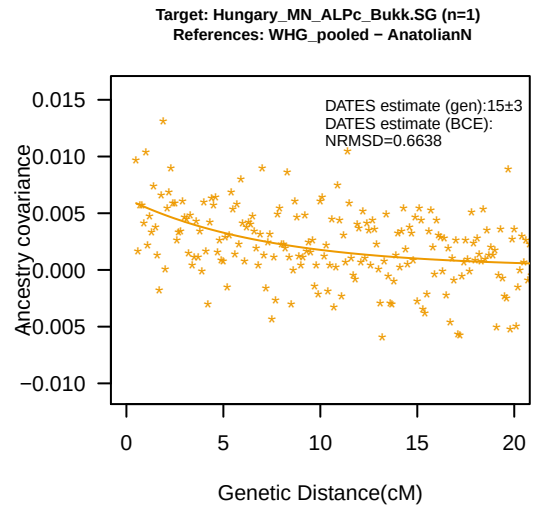

Target: Hungary_LateC_Baden (n=10)
References: WHG_pooled − AnatolianN
DATES estimate (gen):49±9
DATES estimate (BCE):
NRMSD=0.0912
Ancestry covariance
Genetic Distance(cM)

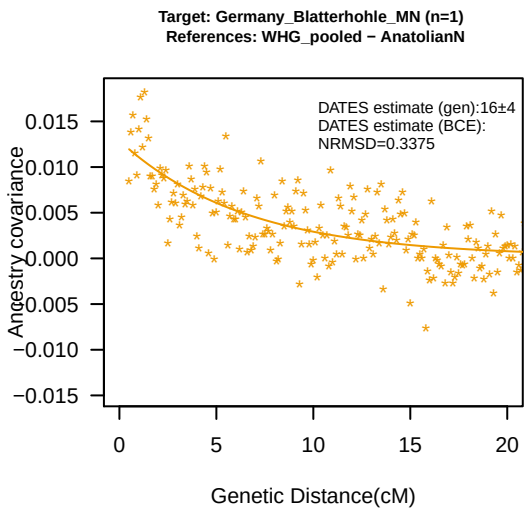

Target: Hungary_MN_ALBK_Szakalhat (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):20±3
DATES estimate (BCE):
NRMSD=0.241
Ancestry covariance
Genetic Distance(cM)

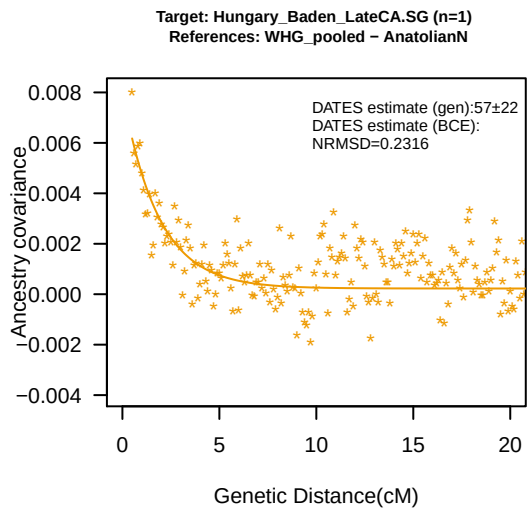

Target: France_MN (n=40)
References: WHG_pooled − AnatolianN
DATES estimate (gen):30±1
DATES estimate (BCE):
NRMSD=0.0415
Ancestry covariance
Genetic Distance(cM)

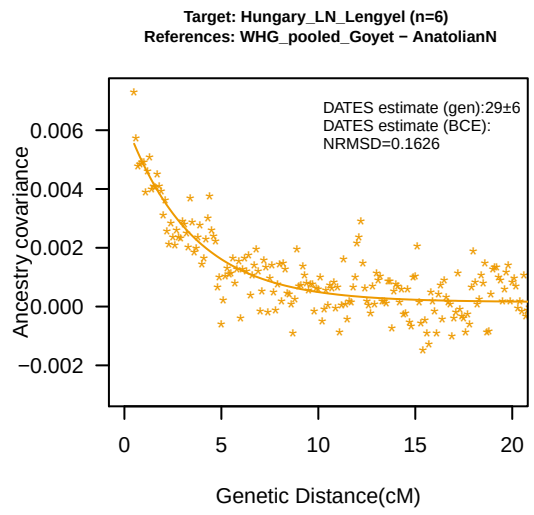

Target: Gibraltar_EN (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):15±7
DATES estimate (BCE):
NRMSD=0.2862
Ancestry covariance
Genetic Distance(cM)

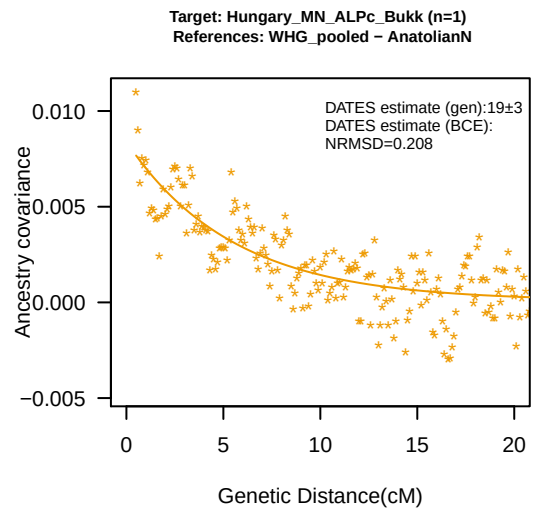

Target: Hungary_LateC_Protoboleraz (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):45±9
DATES estimate (BCE):
NRMSD=0.1653
Ancestry covariance
Genetic Distance(cM)

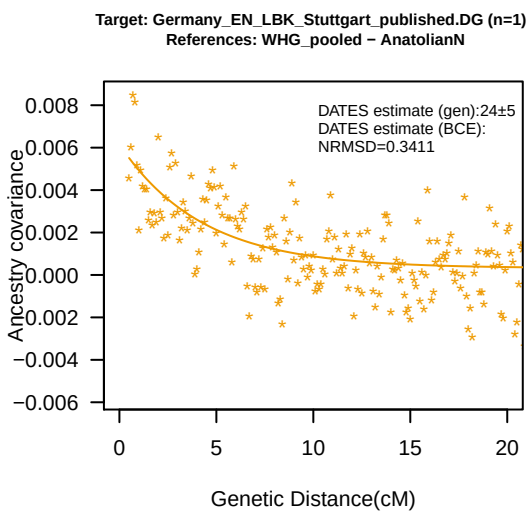

Target: Hungary_MN_ALPc_Bukk.SG (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):15±3
DATES estimate (BCE):
NRMSD=0.6638
Ancestry covariance
Genetic Distance(cM)

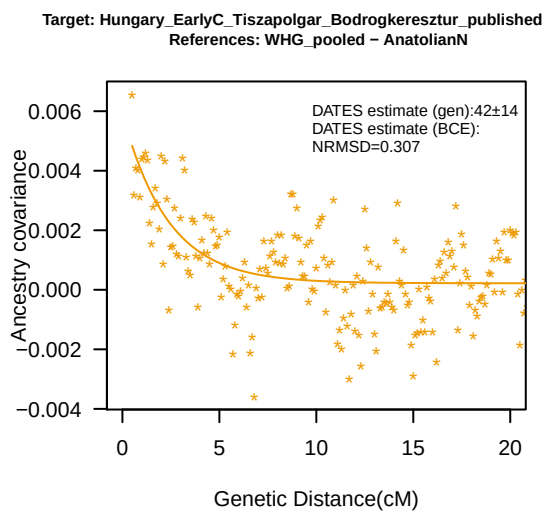

Target: Germany_Blatterhohle_MN (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):16±4
DATES estimate (BCE):
NRMSD=0.3375
Ancestry covariance
Genetic Distance(cM)

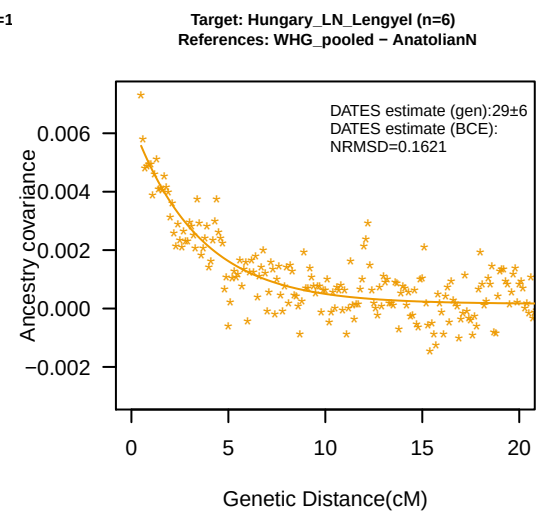

Target: Hungary_Baden_LateCA.SG (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):57±22
DATES estimate (BCE):
NRMSD=0.2316
Ancestry covariance
Genetic Distance(cM)

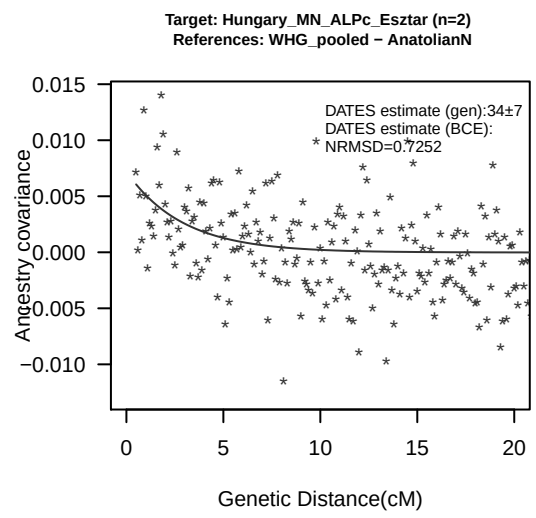

Target: Hungary_LN_Lengyel (n=6)
References: WHG_pooled_Goyet − AnatolianN
DATES estimate (gen):29±6
DATES estimate (BCE):
NRMSD=0.1626
Ancestry covariance
Genetic Distance(cM)

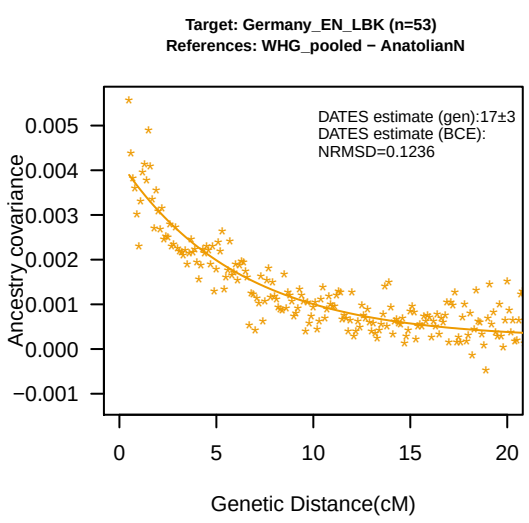

Target: Hungary_MN_ALPc_Bukk (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):19±3
DATES estimate (BCE):
NRMSD=0.208
Ancestry covariance
Genetic Distance(cM)

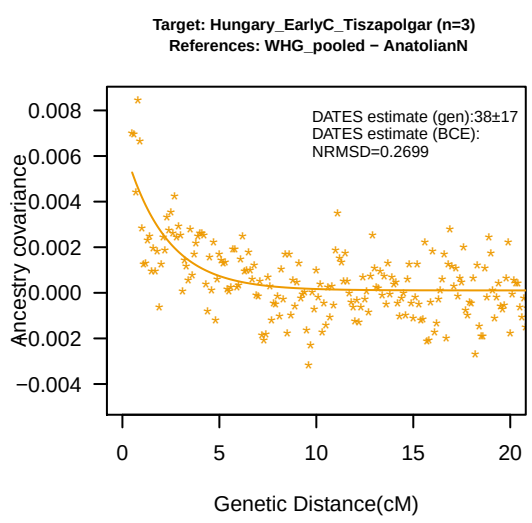

Target: Germany_EN_LBK_Stuttgart_published.DG (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):24±5
DATES estimate (BCE):
NRMSD=0.3411
Ancestry covariance
Genetic Distance(cM)

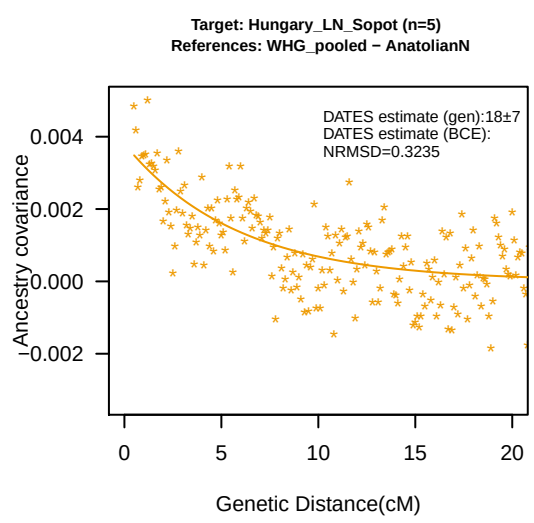

Target: Hungary_EarlyC_Tiszapolgar_Bodrogkeresztur_published (n=1
References: WHG_pooled − AnatolianN
DATES estimate (gen):42±14
DATES estimate (BCE):
NRMSD=0.307
Ancestry covariance
Genetic Distance(cM)

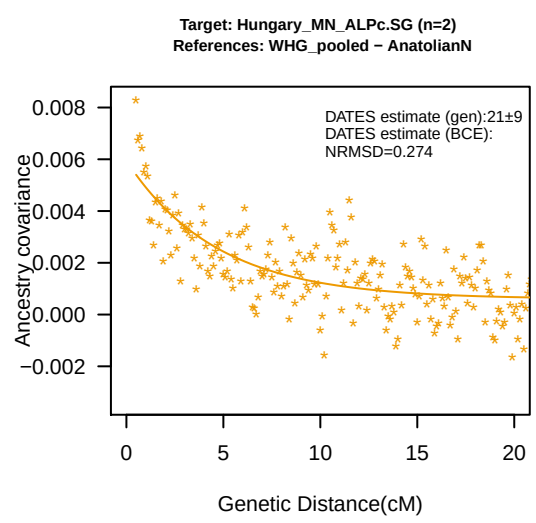

Target: Hungary_LN_Lengyel (n=6)
References: WHG_pooled − AnatolianN
DATES estimate (gen):29±6
DATES estimate (BCE):
NRMSD=0.1621
Ancestry covariance
Genetic Distance(cM)

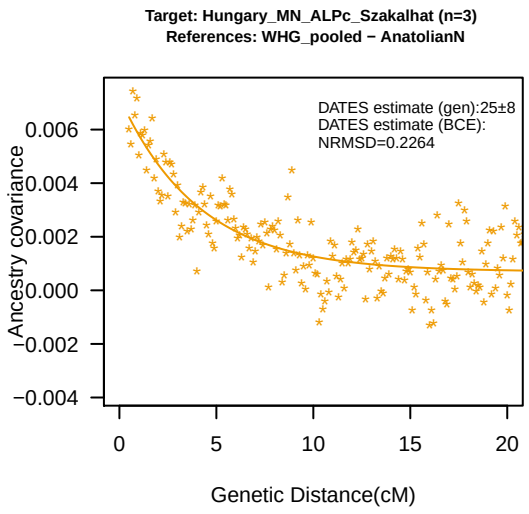

Target: Hungary_MN_ALPc_Esztar (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):34±7
DATES estimate (BCE):
NRMSD=0.7252
Ancestry covariance
Genetic Distance(cM)

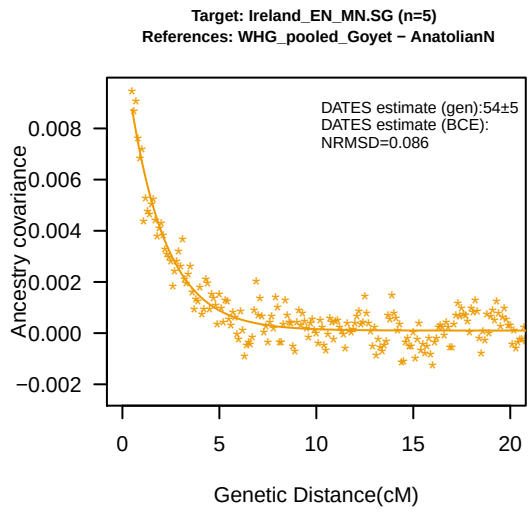

Target: Germany_EN_LBK (n=53)
References: WHG_pooled − AnatolianN
DATES estimate (gen):17±3
DATES estimate (BCE):
NRMSD=0.1236
Ancestry covariance
Genetic Distance(cM)

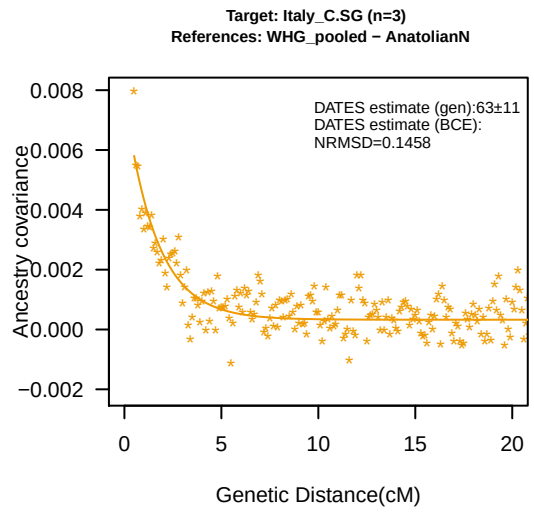

Target: Hungary_EarlyC_Tiszapolgar (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):38±17
DATES estimate (BCE):
NRMSD=0.2699
Ancestry covariance
Genetic Distance(cM)

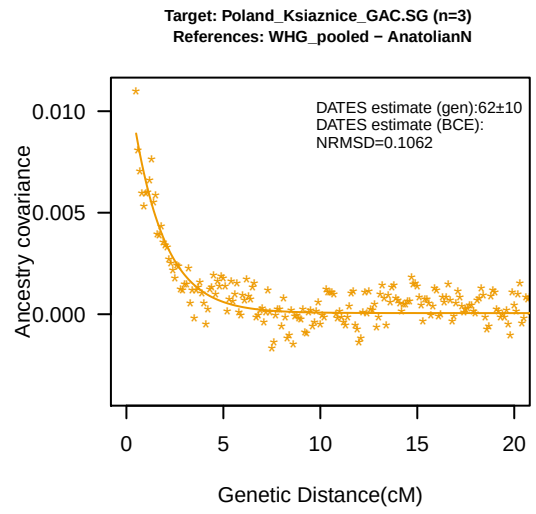

Target: Hungary_LN_Sopot (n=5)
References: WHG_pooled − AnatolianN
DATES estimate (gen):18±7
DATES estimate (BCE):
NRMSD=0.3235
Ancestry covariance
Genetic Distance(cM)

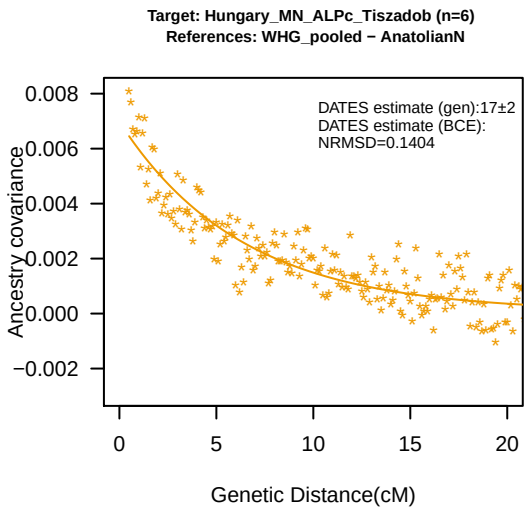

Target: Hungary_MN_ALPc.SG (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):21±9
DATES estimate (BCE):
NRMSD=0.274
Ancestry covariance
Genetic Distance(cM)

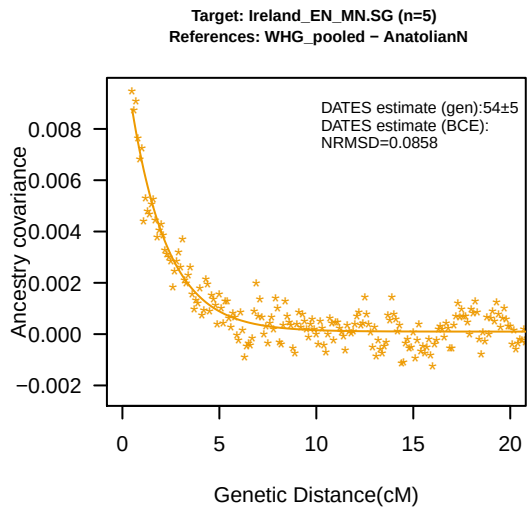

Target: Hungary_MN_ALPc_Szakalhat (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):25±8
DATES estimate (BCE):
NRMSD=0.2264
Ancestry covariance
Genetic Distance(cM)

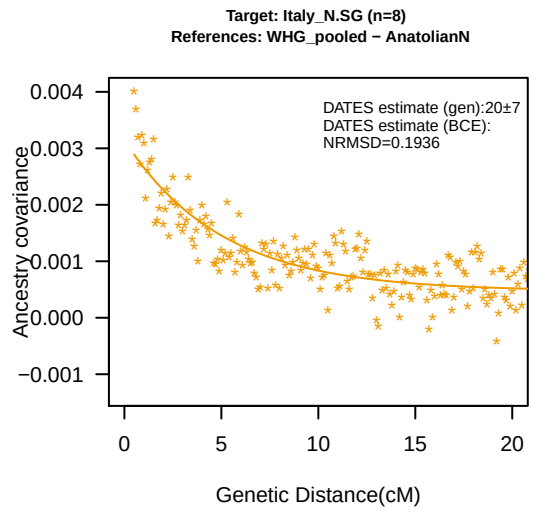

Target: Ireland_EN_MN.SG (n=5)
References: WHG_pooled_Goyet − AnatolianN
DATES estimate (gen):54±5
DATES estimate (BCE):
NRMSD=0.086
Ancestry covariance
Genetic Distance(cM)

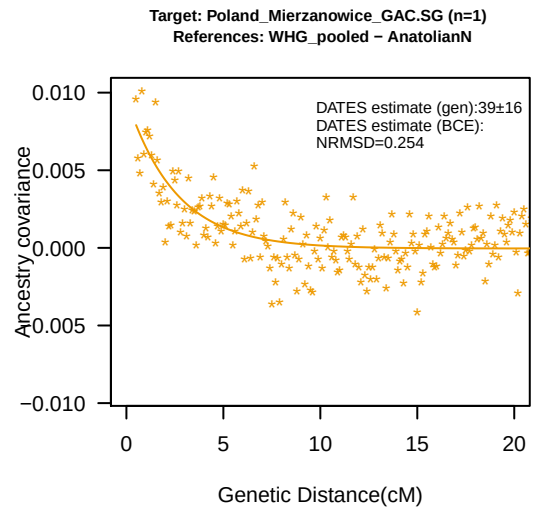

Target: Italy_C.SG (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):63±11
DATES estimate (BCE):
NRMSD=0.1458
Ancestry covariance
Genetic Distance(cM)

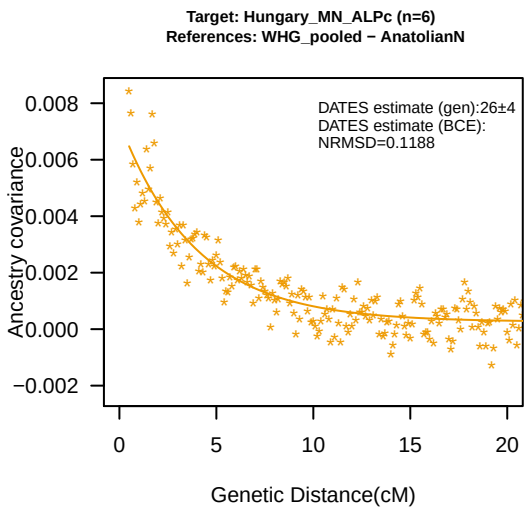

Target: Poland_Ksiaznice_GAC.SG (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):62±10
DATES estimate (BCE):
NRMSD=0.1062
Ancestry covariance
Genetic Distance(cM)

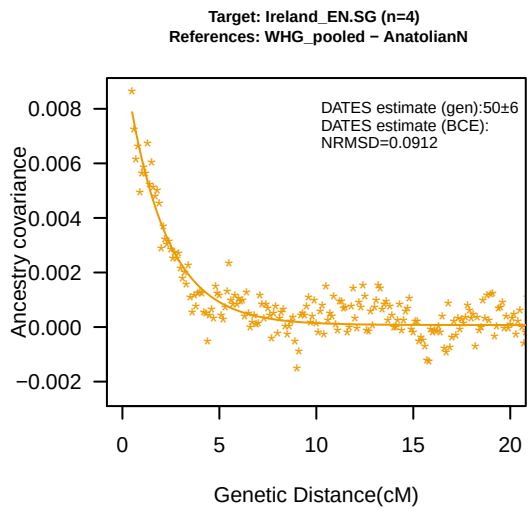

Target: Hungary_MN_ALPc_Tiszadob (n=6)
References: WHG_pooled − AnatolianN
DATES estimate (gen):17±2
DATES estimate (BCE):
NRMSD=0.1404
Ancestry covariance
Genetic Distance(cM)

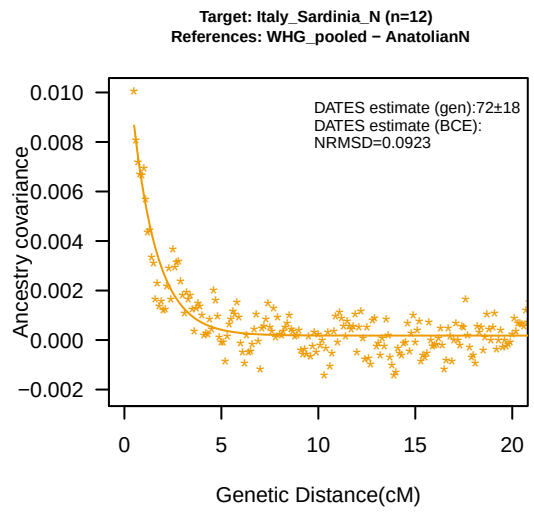

Target: Ireland_EN_MN.SG (n=5)
References: WHG_pooled − AnatolianN
DATES estimate (gen):54±5
DATES estimate (BCE):
NRMSD=0.0858
Ancestry covariance
Genetic Distance(cM)

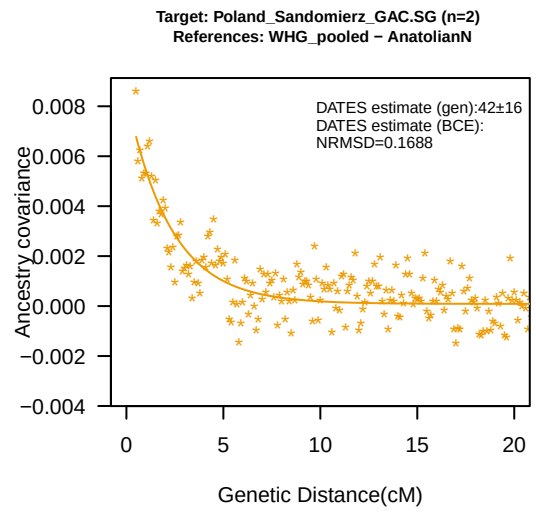

Target: Italy_N.SG (n=8)
References: WHG_pooled − AnatolianN
DATES estimate (gen):20±7
DATES estimate (BCE):
NRMSD=0.1936
Ancestry covariance
Genetic Distance(cM)

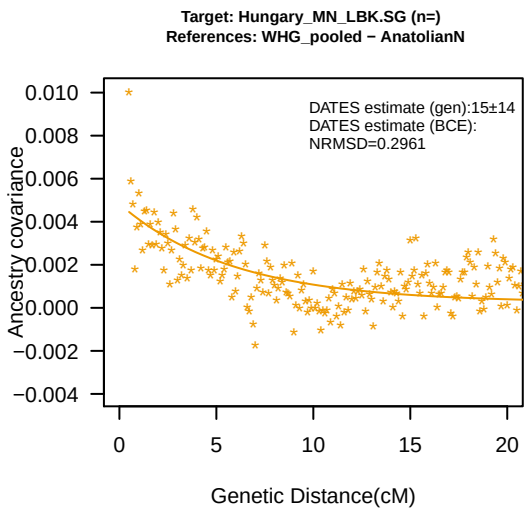

Target: Poland_Mierzanowice_GAC.SG (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):39±16
DATES estimate (BCE):
NRMSD=0.254
Ancestry covariance
Genetic Distance(cM)

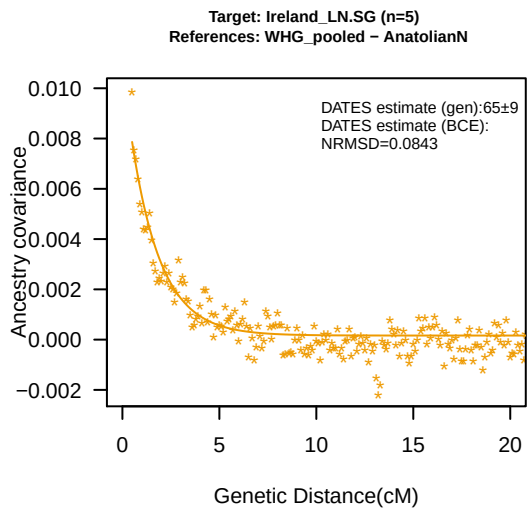

Target: Hungary_MN_ALPc (n=6)
References: WHG_pooled − AnatolianN
DATES estimate (gen):26±4
DATES estimate (BCE):
NRMSD=0.1188
Ancestry covariance
Genetic Distance(cM)

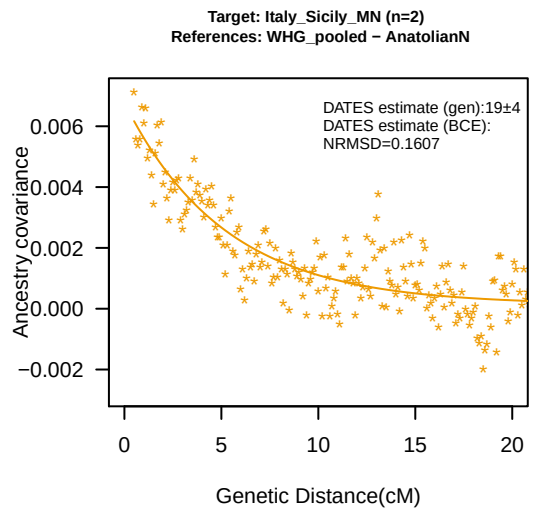

Target: Ireland_EN.SG (n=4)
References: WHG_pooled − AnatolianN
DATES estimate (gen):50±6
DATES estimate (BCE):
NRMSD=0.0912
Ancestry covariance
Genetic Distance(cM)

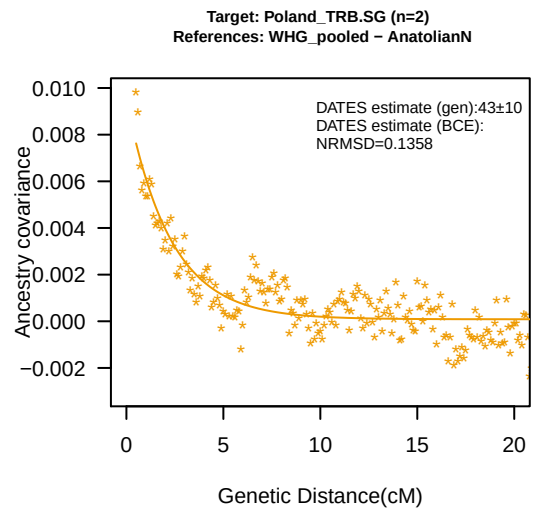

Target: Italy_Sardinia_N (n=12)
References: WHG_pooled − AnatolianN
DATES estimate (gen):72±18
DATES estimate (BCE):
NRMSD=0.0923
Ancestry covariance
Genetic Distance(cM)

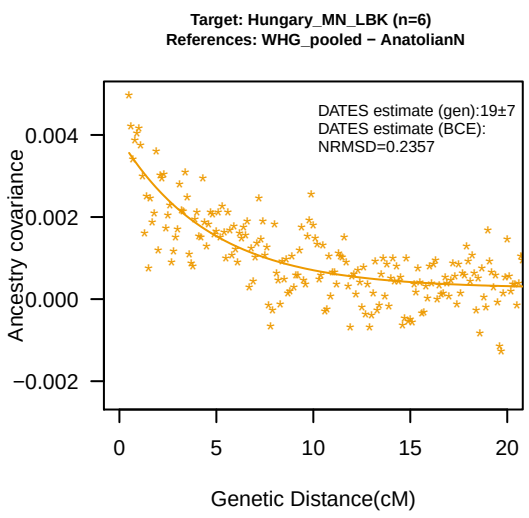

Target: Poland_Sandomierz_GAC.SG (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):42±16
DATES estimate (BCE):
NRMSD=0.1688
Ancestry covariance
Genetic Distance(cM)

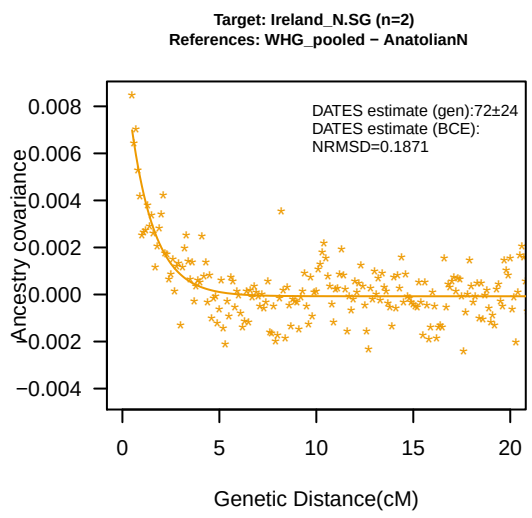

Target: Hungary_MN_LBK.SG (n=)
References: WHG_pooled − AnatolianN
DATES estimate (gen):15±14
DATES estimate (BCE):
NRMSD=0.2961
Ancestry covariance
Genetic Distance(cM)

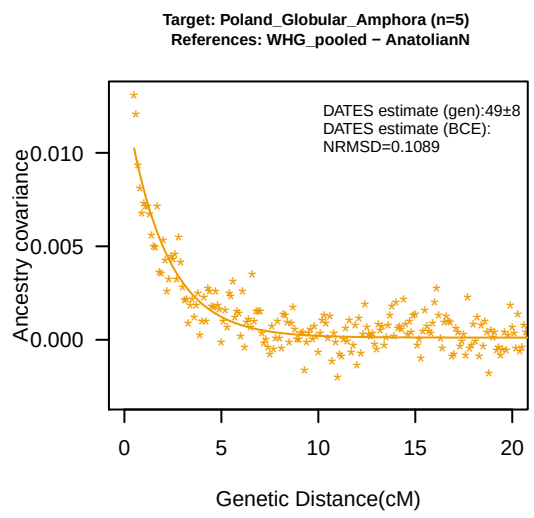

Target: Ireland_LN.SG (n=5)
References: WHG_pooled − AnatolianN
DATES estimate (gen):65±9
DATES estimate (BCE):
NRMSD=0.0843
Ancestry covariance
Genetic Distance(cM)

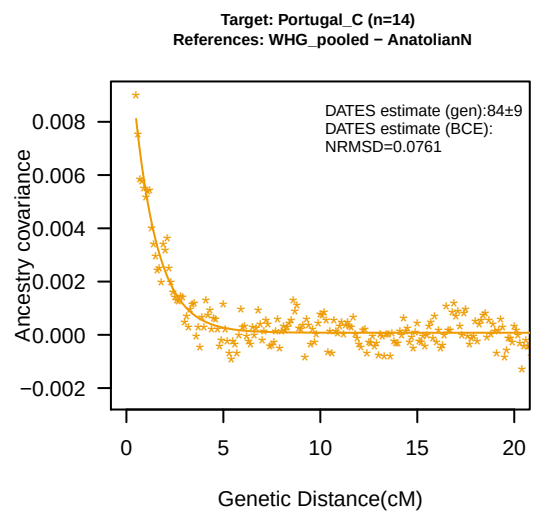

Target: Italy_Sicily_MN (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):19±4
DATES estimate (BCE):
NRMSD=0.1607
Ancestry covariance
Genetic Distance(cM)

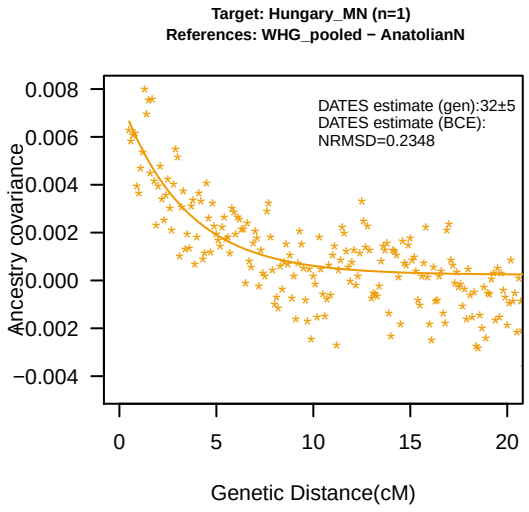

Target: Poland_TRB.SG (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):43±10
DATES estimate (BCE):
NRMSD=0.1358
Ancestry covariance
Genetic Distance(cM)

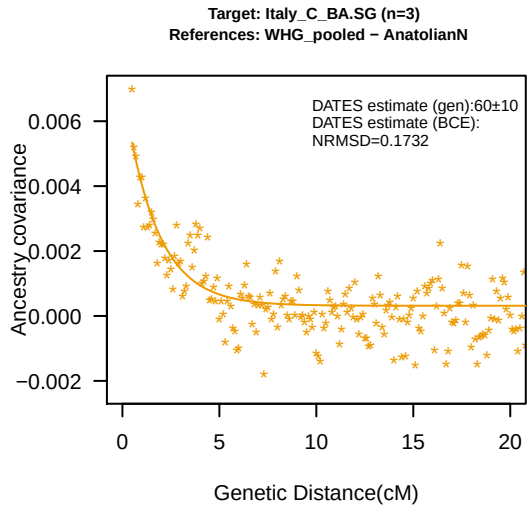

Target: Hungary_MN_LBK (n=6)
References: WHG_pooled − AnatolianN
DATES estimate (gen):19±7
DATES estimate (BCE):
NRMSD=0.2357
Ancestry covariance
Genetic Distance(cM)

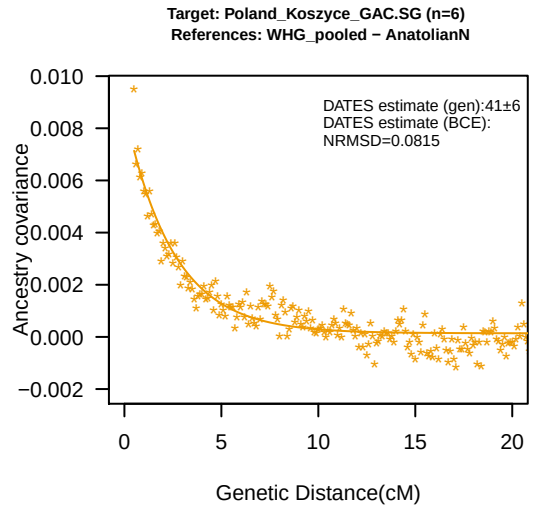

Target: Ireland_N.SG (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):72±24
DATES estimate (BCE):
NRMSD=0.1871
Ancestry covariance
Genetic Distance(cM)

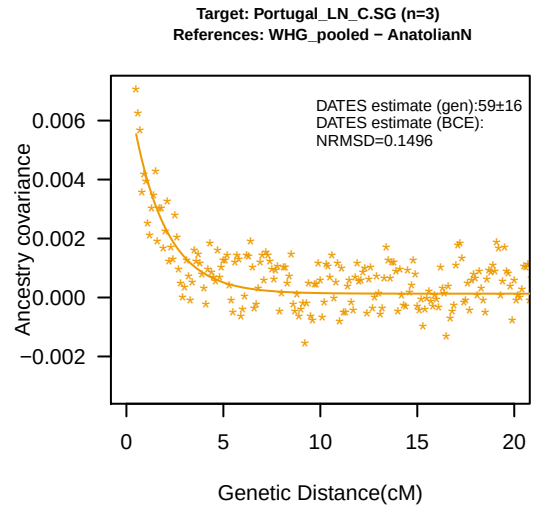

Target: Poland_Globular_Amphora (n=5)
References: WHG_pooled − AnatolianN
DATES estimate (gen):49±8
DATES estimate (BCE):
NRMSD=0.1089
Ancestry covariance
Genetic Distance(cM)

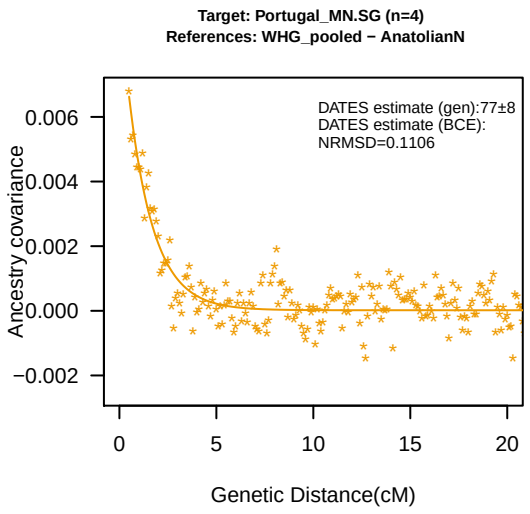

Target: Portugal_C (n=14)
References: WHG_pooled − AnatolianN
DATES estimate (gen):84±9
DATES estimate (BCE):
NRMSD=0.0761
Ancestry covariance
Genetic Distance(cM)

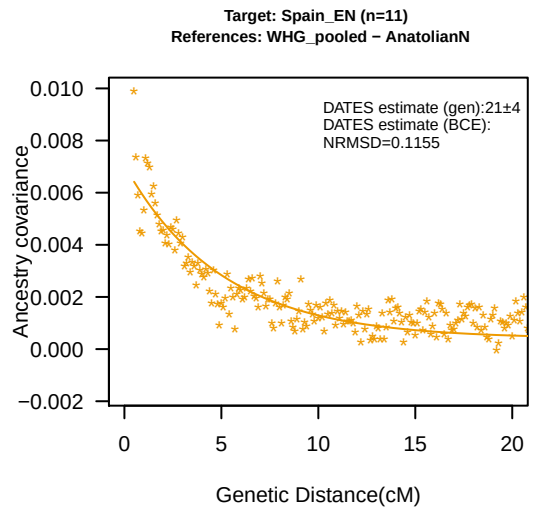

Target: Hungary_MN (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):32±5
DATES estimate (BCE):
NRMSD=0.2348
Ancestry covariance
Genetic Distance(cM)

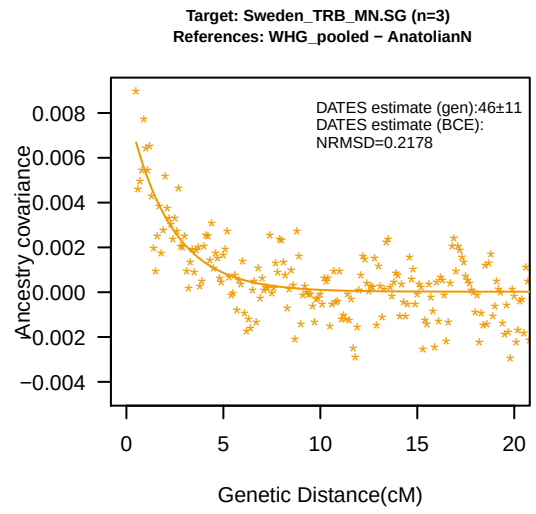

Target: Italy_C_BA.SG (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):60±10
DATES estimate (BCE):
NRMSD=0.1732
Ancestry covariance
Genetic Distance(cM)

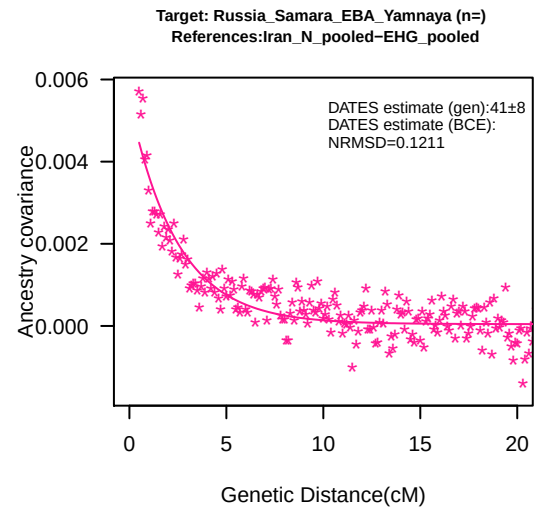

Target: Poland_Koszyce_GAC.SG (n=6)
References: WHG_pooled − AnatolianN
DATES estimate (gen):41±6
DATES estimate (BCE):
NRMSD=0.0815
Ancestry covariance
Genetic Distance(cM)

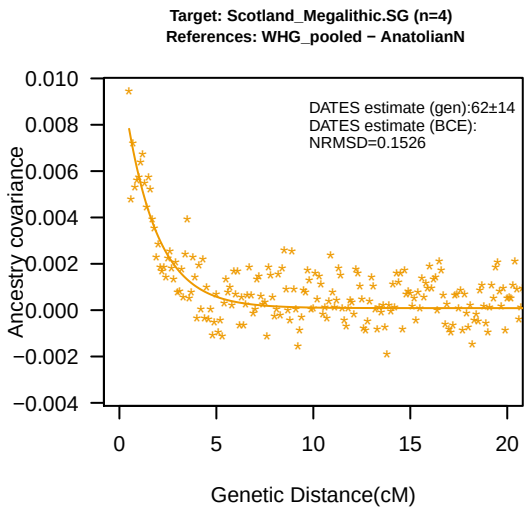

Target: Portugal_LN_C.SG (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):59±16
DATES estimate (BCE):
NRMSD=0.1496
Ancestry covariance
Genetic Distance(cM)

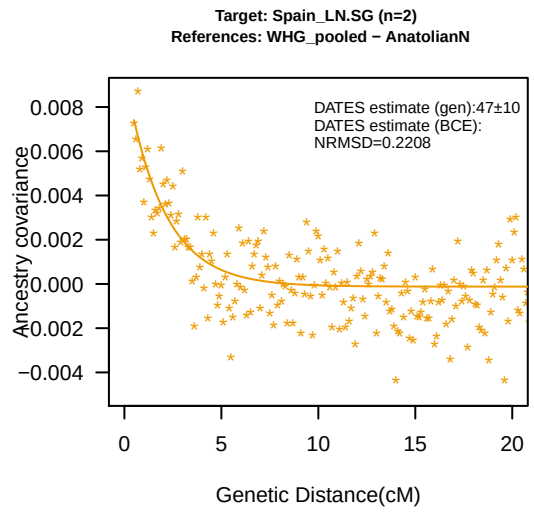

Target: Portugal_MN.SG (n=4)
References: WHG_pooled − AnatolianN
DATES estimate (gen):77±8
DATES estimate (BCE):
NRMSD=0.1106
Ancestry covariance
Genetic Distance(cM)

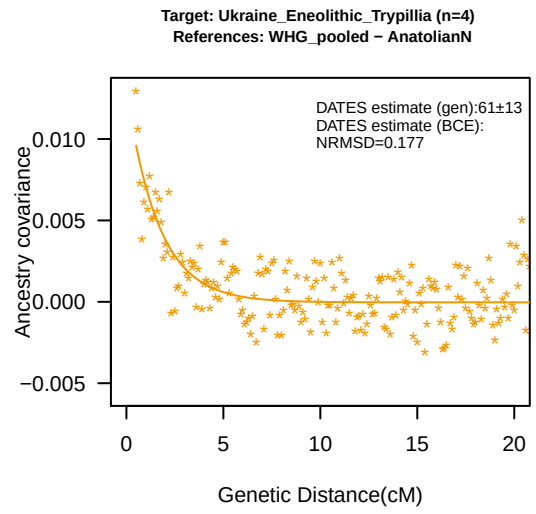

Target: Spain_EN (n=11)
References: WHG_pooled − AnatolianN
DATES estimate (gen):21±4
DATES estimate (BCE):
NRMSD=0.1155
Ancestry covariance
Genetic Distance(cM)

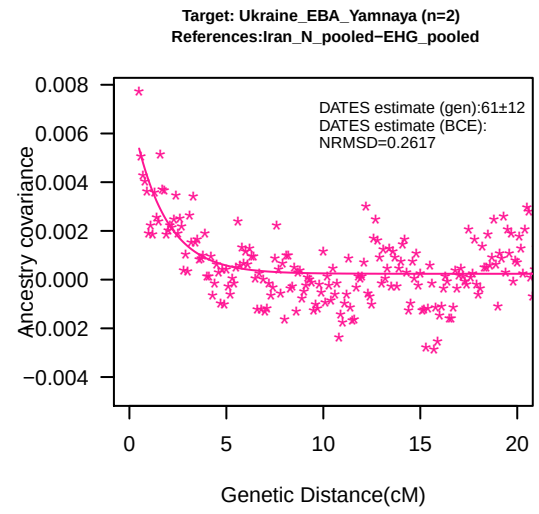

Target: Sweden_TRB_MN.SG (n=3)
References: WHG_pooled − AnatolianN
DATES estimate (gen):46±11
DATES estimate (BCE):
NRMSD=0.2178
Ancestry covariance
Genetic Distance(cM)

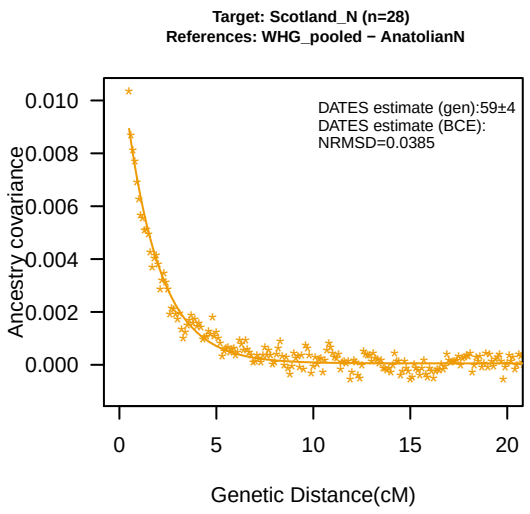

Target: Russia_Samara_EBA_Yamnaya (n=)
References:Iran_N_pooled−EHG_pooled
DATES estimate (gen):41±8
DATES estimate (BCE):
NRMSD=0.1211
Ancestry covariance
Genetic Distance(cM)

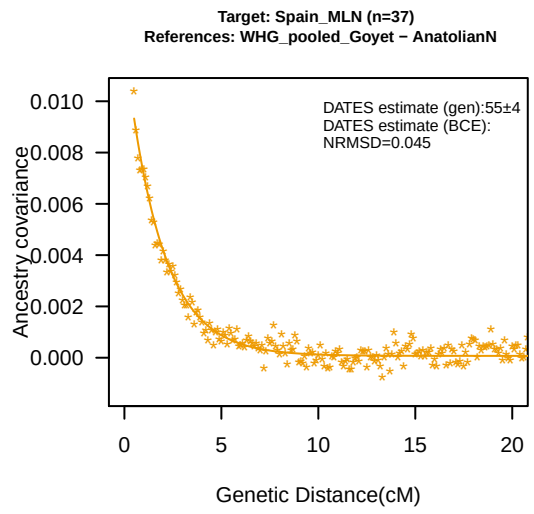

Target: Scotland_Megalithic.SG (n=4)
References: WHG_pooled − AnatolianN
DATES estimate (gen):62±14
DATES estimate (BCE):
NRMSD=0.1526
Ancestry covariance
Genetic Distance(cM)

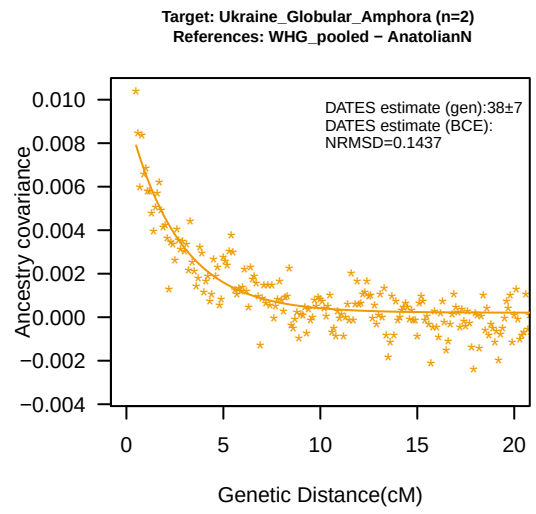

Target: Spain_LN.SG (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):47±10
DATES estimate (BCE):
NRMSD=0.2208
Ancestry covariance
Genetic Distance(cM)

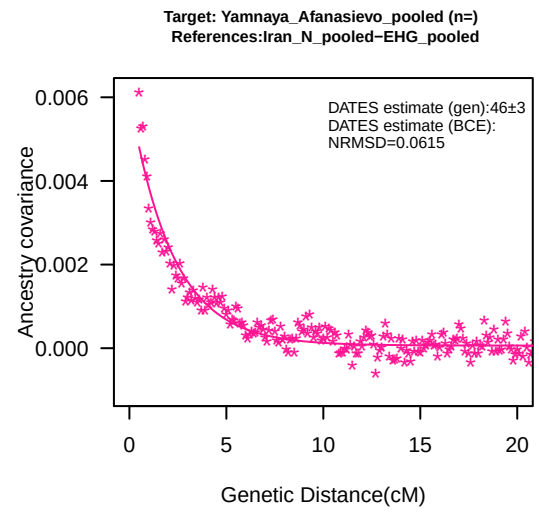

Target: Ukraine_Eneolithic_Trypillia (n=4)
References: WHG_pooled − AnatolianN
DATES estimate (gen):61±13
DATES estimate (BCE):
NRMSD=0.177
Ancestry covariance
Genetic Distance(cM)

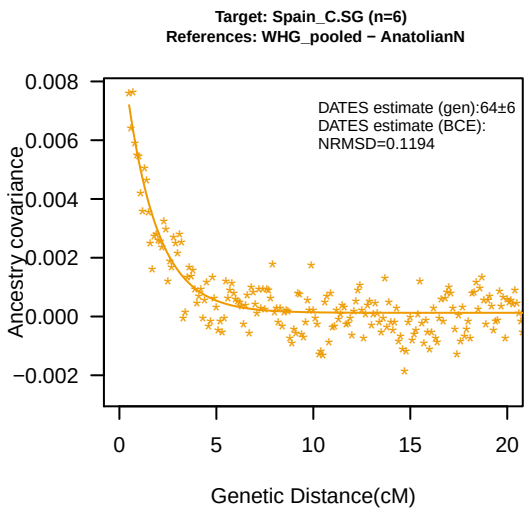

Target: Ukraine_EBA_Yamnaya (n=2)
References:Iran_N_pooled−EHG_pooled
DATES estimate (gen):61±12
DATES estimate (BCE):
NRMSD=0.2617
Ancestry covariance
Genetic Distance(cM)

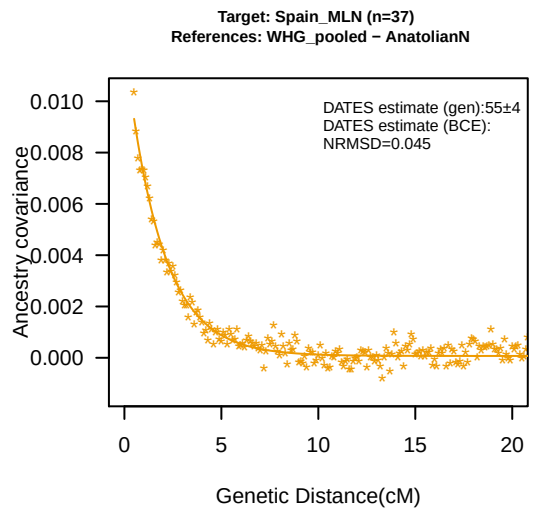

Target: Scotland_N (n=28)
References: WHG_pooled − AnatolianN
DATES estimate (gen):59±4
DATES estimate (BCE):
NRMSD=0.0385
Ancestry covariance
Genetic Distance(cM)

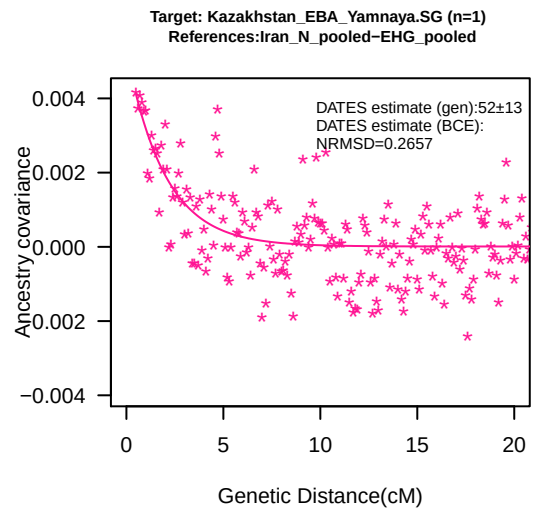

Target: Spain_MLN (n=37)
References: WHG_pooled_Goyet − AnatolianN
DATES estimate (gen):55±4
DATES estimate (BCE):
NRMSD=0.045
Ancestry covariance
Genetic Distance(cM)

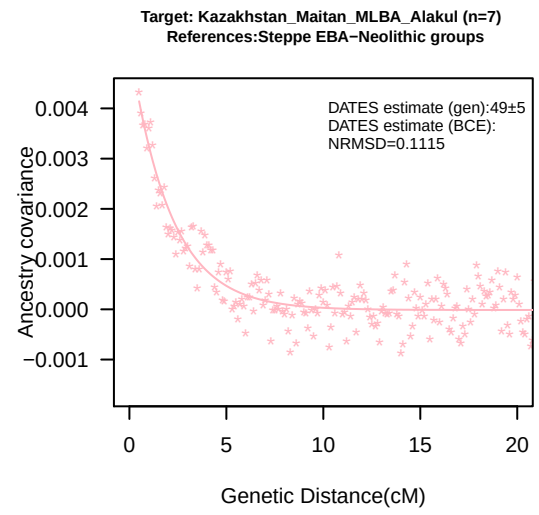

Target: Ukraine_Globular_Amphora (n=2)
References: WHG_pooled − AnatolianN
DATES estimate (gen):38±7
DATES estimate (BCE):
NRMSD=0.1437
Ancestry covariance
Genetic Distance(cM)

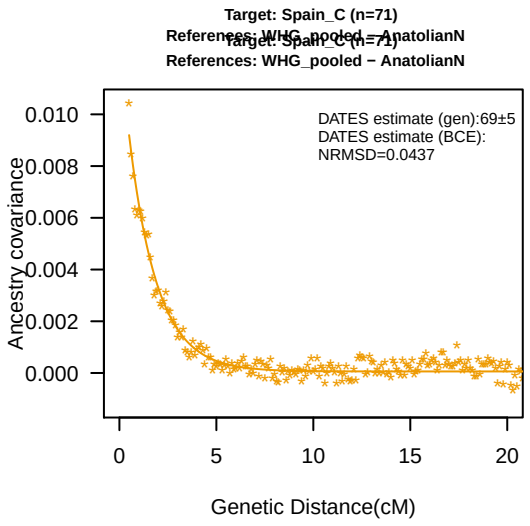

Target: Yamnaya_Afanasievo_pooled (n=)
References:Iran_N_pooled−EHG_pooled
DATES estimate (gen):46±3
DATES estimate (BCE):
NRMSD=0.0615
Ancestry covariance
Genetic Distance(cM)

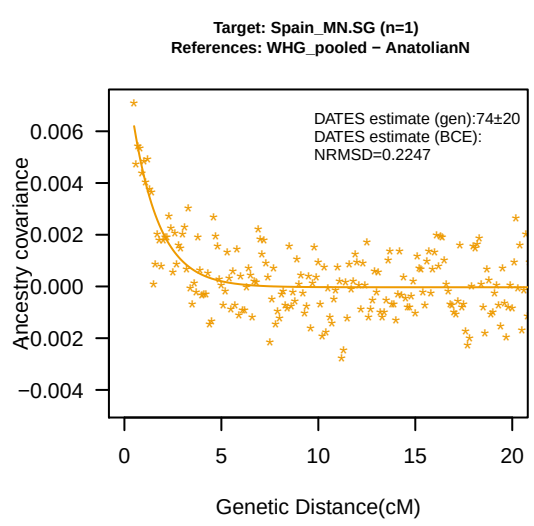

Target: Spain_C.SG (n=6)
References: WHG_pooled − AnatolianN
DATES estimate (gen):64±6
DATES estimate (BCE):
NRMSD=0.1194
Ancestry covariance
Genetic Distance(cM)

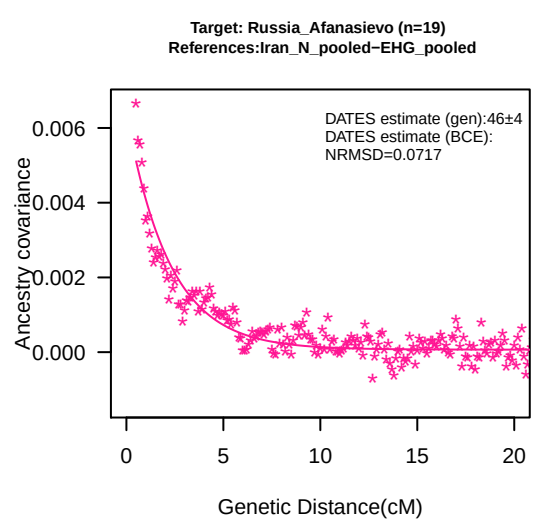

Target: Spain_MLN (n=37)
References: WHG_pooled − AnatolianN
DATES estimate (gen):55±4
DATES estimate (BCE):
NRMSD=0.045
Ancestry covariance
Genetic Distance(cM)

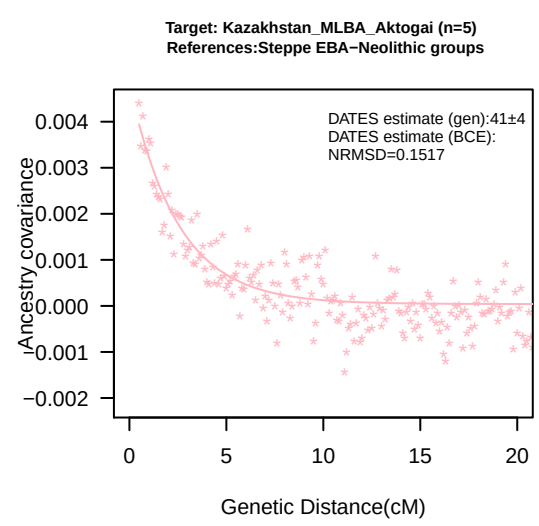

Target: Kazakhstan_EBA_Yamnaya.SG (n=1)
References:Iran_N_pooled−EHG_pooled
DATES estimate (gen):52±13
DATES estimate (BCE):
NRMSD=0.2657
Ancestry covariance
Genetic Distance(cM)

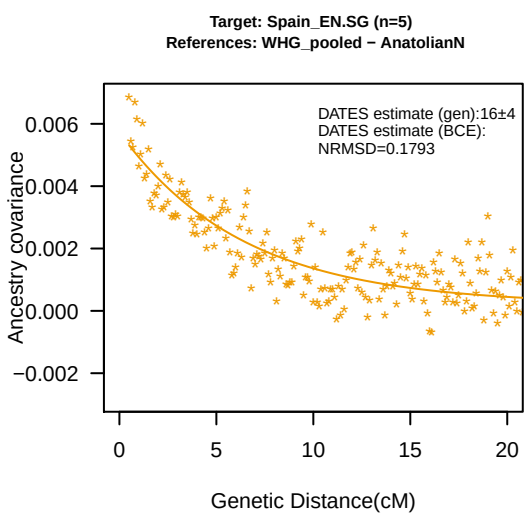

Target: Kazakhstan_Maitan_MLBA_Alakul (n=7)
References:Steppe EBA−Neolithic groups
DATES estimate (gen):49±5
DATES estimate (BCE):
NRMSD=0.1115
Ancestry covariance
Genetic Distance(cM)

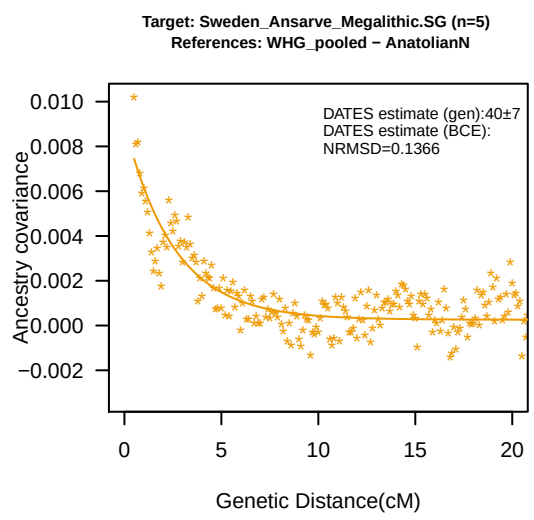

Target: Spain_C (n=71)
References: WHG_pooled − AnatolianN
DATES estimate (gen):69±5
DATES estimate (BCE):
NRMSD=0.0437
Ancestry covariance
Genetic Distance(cM)

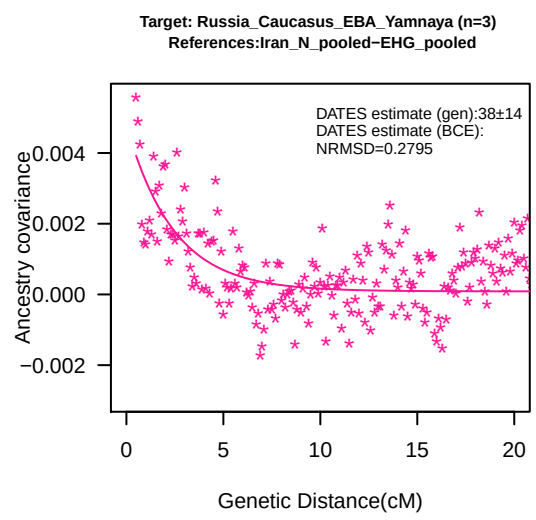

Target: Spain_MN.SG (n=1)
References: WHG_pooled − AnatolianN
DATES estimate (gen):74±20
DATES estimate (BCE):
NRMSD=0.2247
Ancestry covariance
Genetic Distance(cM)

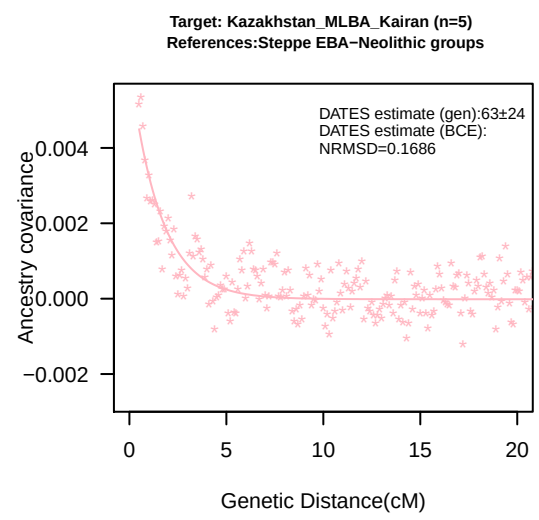

Target: Russia_Afanasievo (n=19)
References:Iran_N_pooled−EHG_pooled
DATES estimate (gen):46±4
DATES estimate (BCE):
NRMSD=0.0717
Ancestry covariance
Genetic Distance(cM)

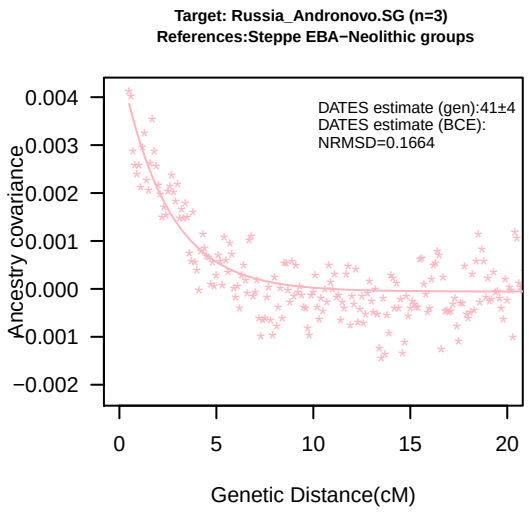

Target: Kazakhstan_MLBA_Aktogai (n=5)
References:Steppe EBA−Neolithic groups
DATES estimate (gen):41±4
DATES estimate (BCE):
NRMSD=0.1517
Ancestry covariance
Genetic Distance(cM)

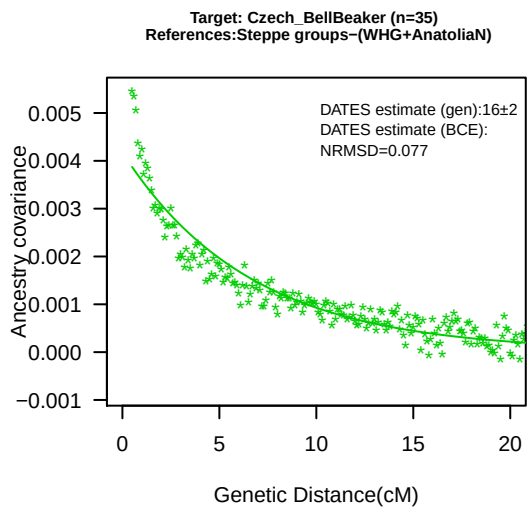

Target: Spain_EN.SG (n=5)
References: WHG_pooled − AnatolianN
DATES estimate (gen):16±4
DATES estimate (BCE):
NRMSD=0.1793
Ancestry covariance
Genetic Distance(cM)

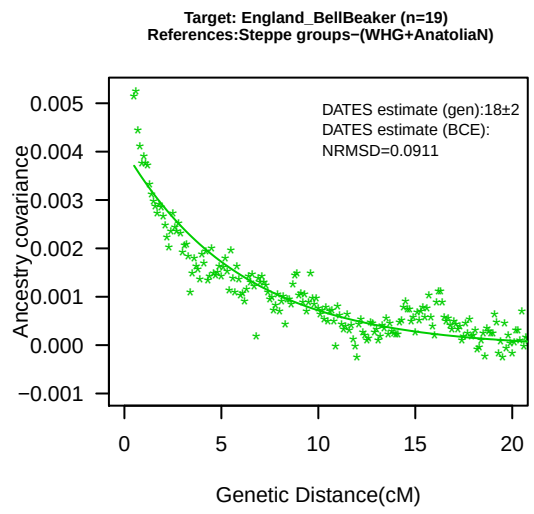

Target: Sweden_Ansarve_Megalithic.SG (n=5)
References: WHG_pooled − AnatolianN
DATES estimate (gen):40±7
DATES estimate (BCE):
NRMSD=0.1366
Ancestry covariance
Genetic Distance(cM)

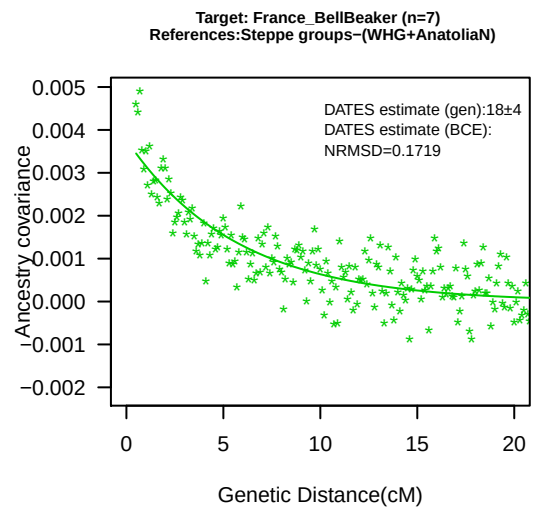

Target: Russia_Caucasus_EBA_Yamnaya (n=3)
References:Iran_N_pooled−EHG_pooled
DATES estimate (gen):38±14
DATES estimate (BCE):
NRMSD=0.2795
Ancestry covariance
Genetic Distance(cM)

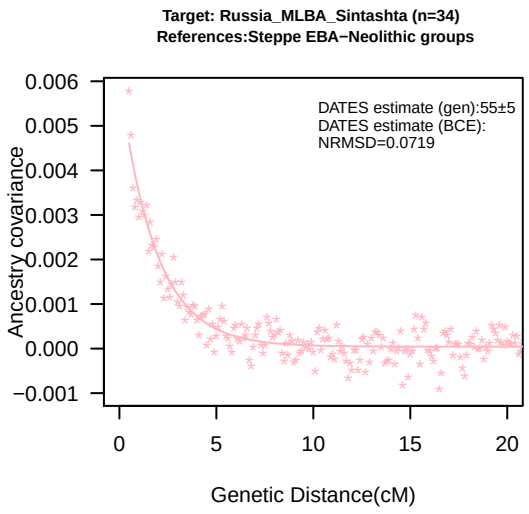

Target: Kazakhstan_MLBA_Kairan (n=5)
References:Steppe EBA−Neolithic groups
DATES estimate (gen):63±24
DATES estimate (BCE):
NRMSD=0.1686
Ancestry covariance
Genetic Distance(cM)

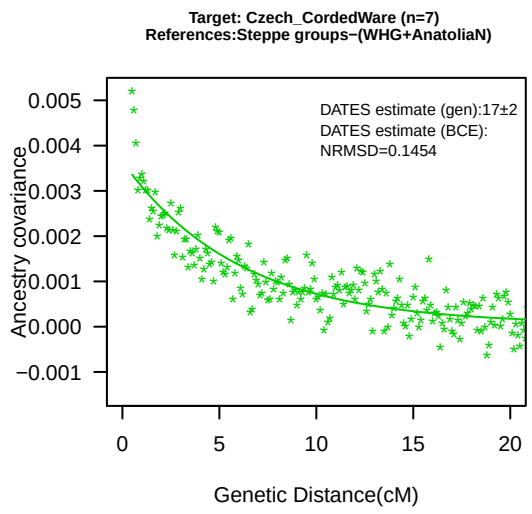

Target: Russia_Andronovo.SG (n=3)
References:Steppe EBA−Neolithic groups
DATES estimate (gen):41±4
DATES estimate (BCE):
NRMSD=0.1664
Ancestry covariance
Genetic Distance(cM)

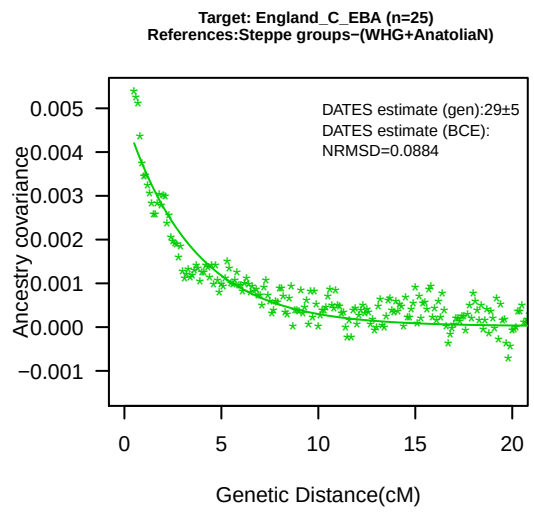

Target: Czech_BellBeaker (n=35)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):16±2
DATES estimate (BCE):
NRMSD=0.077
Ancestry covariance
Genetic Distance(cM)

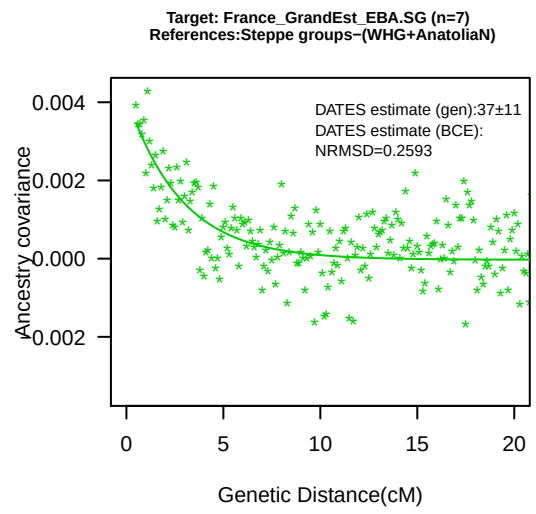

Target: England_BellBeaker (n=19)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):18±2
DATES estimate (BCE):
NRMSD=0.0911
Ancestry covariance
Genetic Distance(cM)

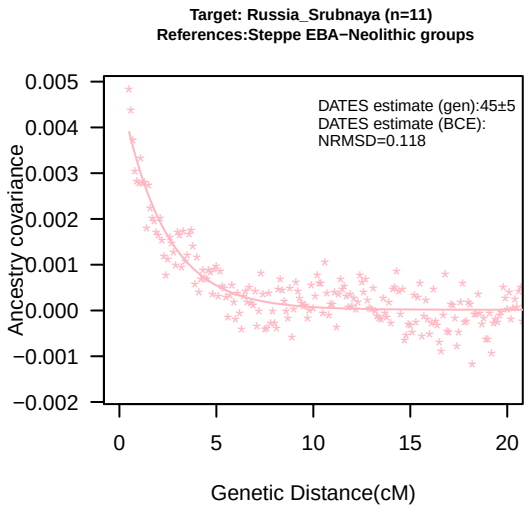

Target: France_BellBeaker (n=7)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):18±4
DATES estimate (BCE):
NRMSD=0.1719
Ancestry covariance
Genetic Distance(cM)

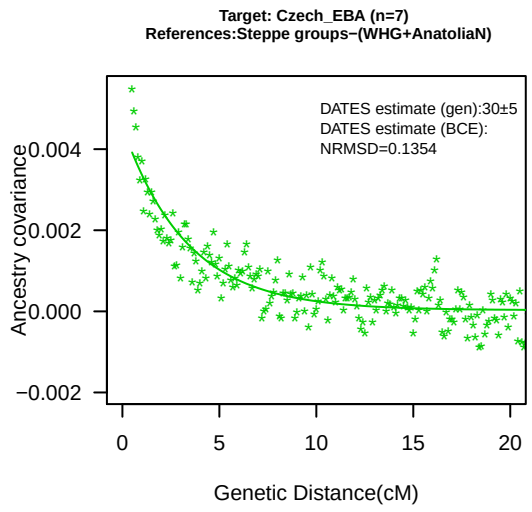

Target: Russia_MLBA_Sintashta (n=34)
References:Steppe EBA−Neolithic groups
DATES estimate (gen):55±5
DATES estimate (BCE):
NRMSD=0.0719
Ancestry covariance
Genetic Distance(cM)

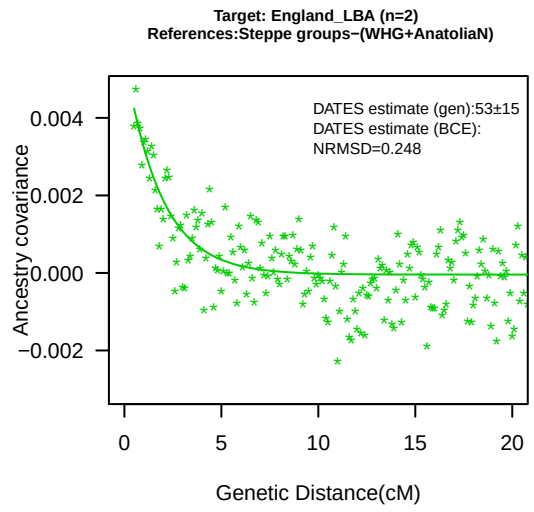

Target: Czech_CordedWare (n=7)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):17±2
DATES estimate (BCE):
NRMSD=0.1454
Ancestry covariance
Genetic Distance(cM)

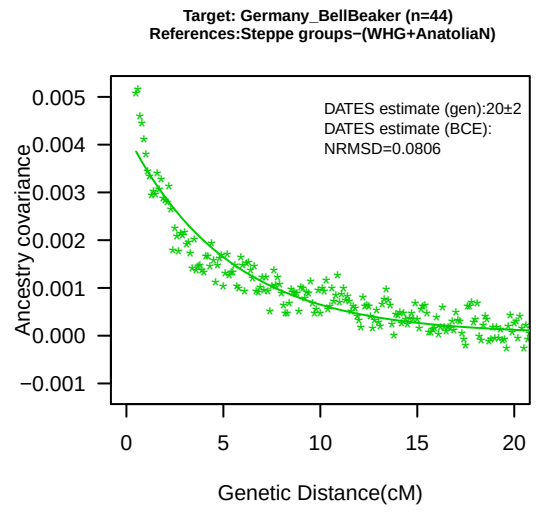

Target: England_C_EBA (n=25)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):29±5
DATES estimate (BCE):
NRMSD=0.0884
Ancestry covariance
Genetic Distance(cM)

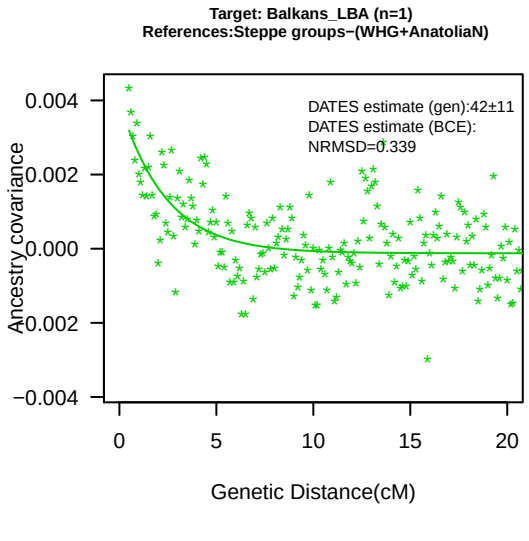

Target: France_GrandEst_EBA.SG (n=7)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):37±11
DATES estimate (BCE):
NRMSD=0.2593
Ancestry covariance
Genetic Distance(cM)

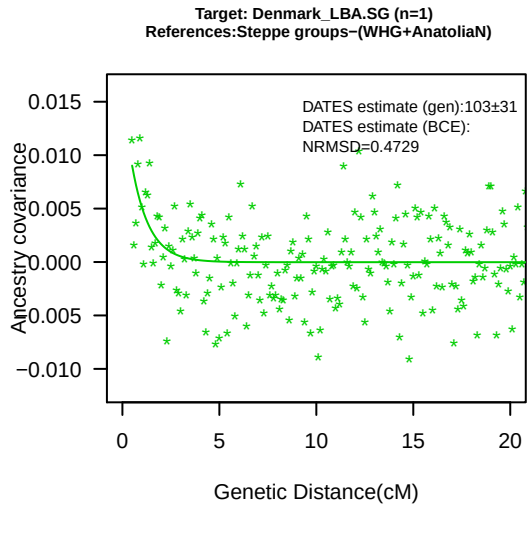

Target: Russia_Srubnaya (n=11)
References:Steppe EBA−Neolithic groups
DATES estimate (gen):45±5
DATES estimate (BCE):
NRMSD=0.118
Ancestry covariance
Genetic Distance(cM)

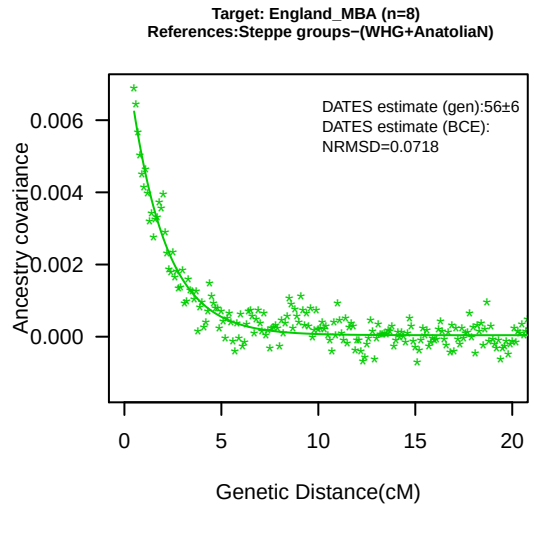

Target: Czech_EBA (n=7)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):30±5
DATES estimate (BCE):
NRMSD=0.1354
Ancestry covariance
Genetic Distance(cM)

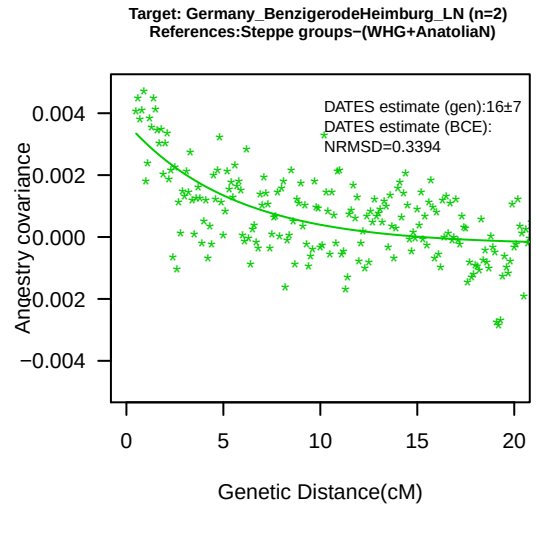

Target: England_LBA (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):53±15
DATES estimate (BCE):
NRMSD=0.248
Ancestry covariance
Genetic Distance(cM)

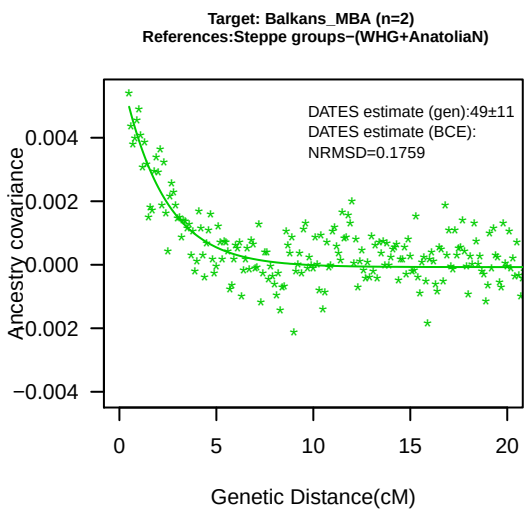

Target: Germany_BellBeaker (n=44)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):20±2
DATES estimate (BCE):
NRMSD=0.0806
Ancestry covariance
Genetic Distance(cM)

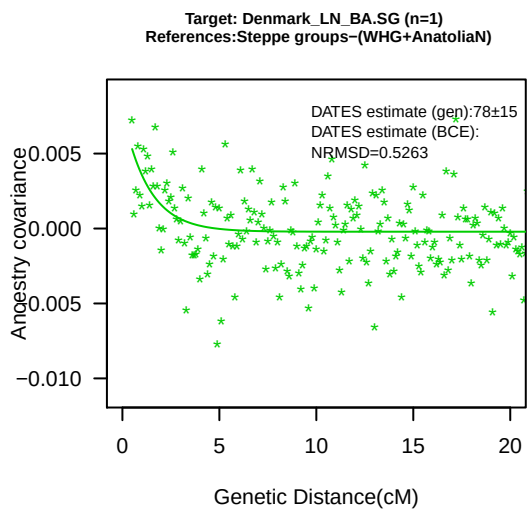

Target: Balkans_LBA (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):42±11
DATES estimate (BCE):
NRMSD=0.339
Ancestry covariance
Genetic Distance(cM)

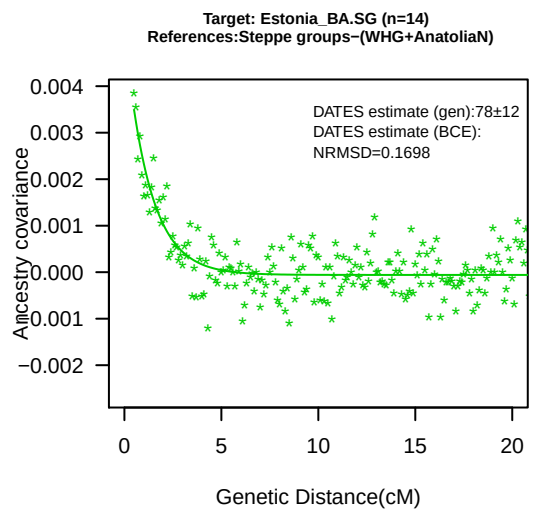

Target: Denmark_LBA.SG (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):103±31
DATES estimate (BCE):
NRMSD=0.4729
Ancestry covariance
Genetic Distance(cM)

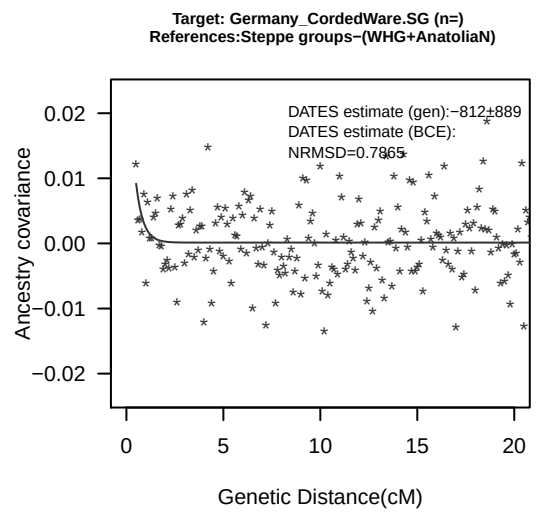

Target: England_MBA (n=8)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):56±6
DATES estimate (BCE):
NRMSD=0.0718
Ancestry covariance
Genetic Distance(cM)

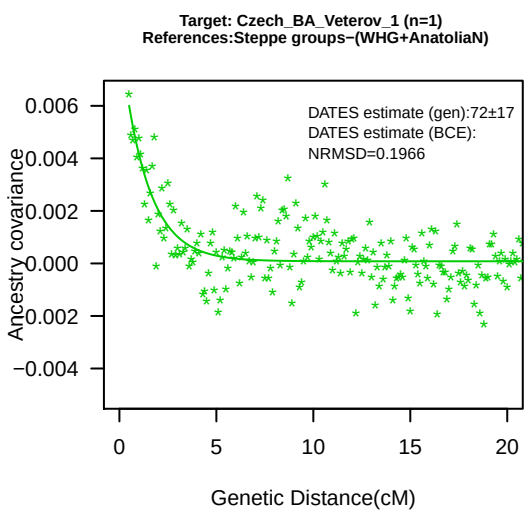

Target: Germany_BenzigerodeHeimburg_LN (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):16±7
DATES estimate (BCE):
NRMSD=0.3394
Ancestry covariance
Genetic Distance(cM)

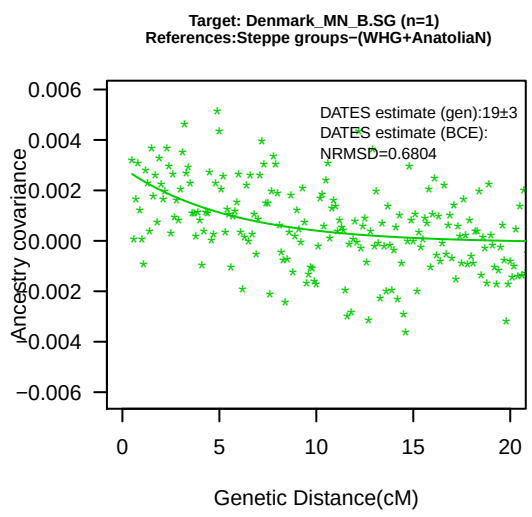

Target: Balkans_MBA (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):49±11
DATES estimate (BCE):
NRMSD=0.1759
Ancestry covariance
Genetic Distance(cM)

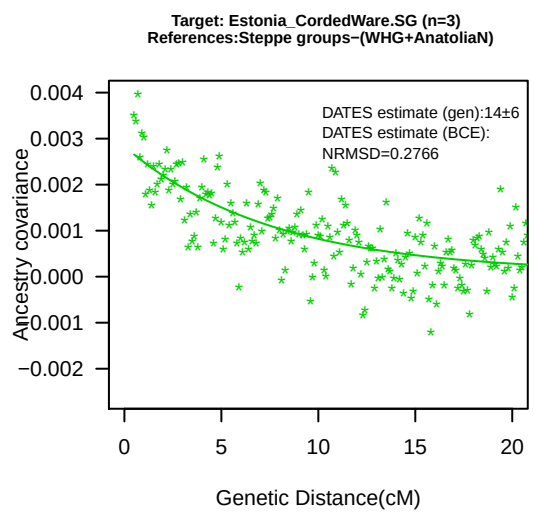

Target: Denmark_LN_BA.SG (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):78±15
DATES estimate (BCE):
NRMSD=0.5263
Ancestry covariance
Genetic Distance(cM)

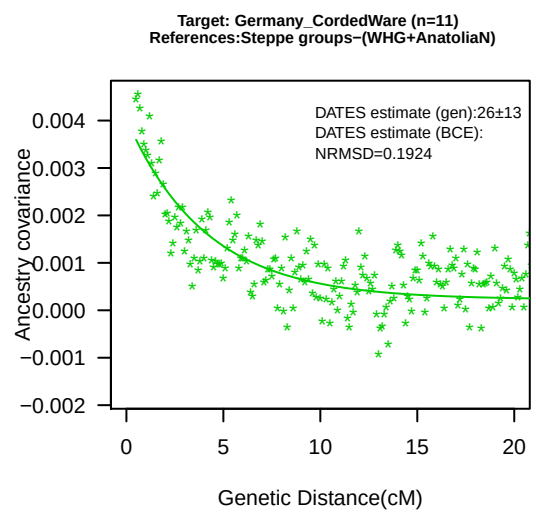

Target: Estonia_BA.SG (n=14)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):78±12
DATES estimate (BCE):
NRMSD=0.1698
Ancestry covariance
Genetic Distance(cM)

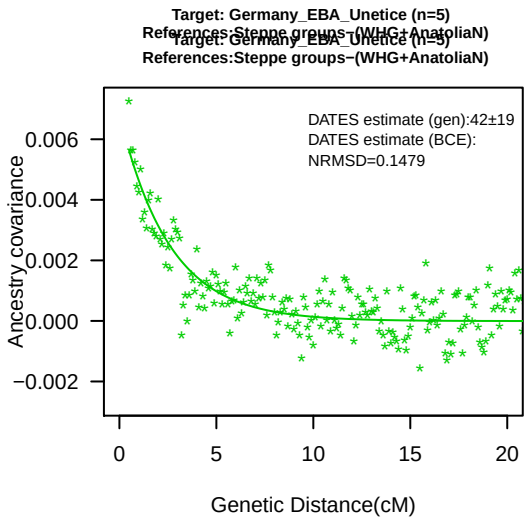

Target: Germany_CordedWare.SG (n=)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):−812±889
DATES estimate (BCE):
NRMSD=0.7865
Ancestry covariance
Genetic Distance(cM)

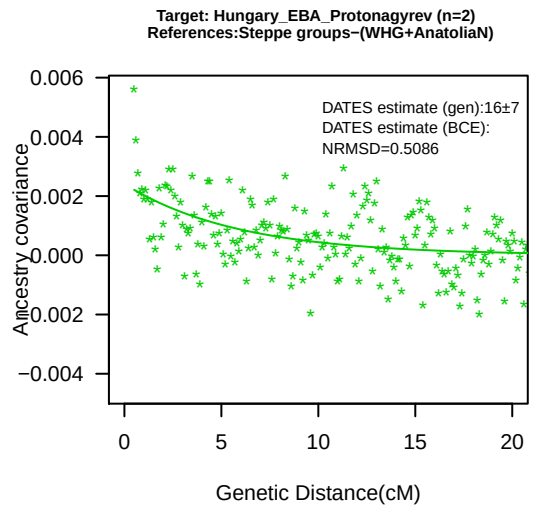

Target: Czech_BA_Veterov_1 (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):72±17
DATES estimate (BCE):
NRMSD=0.1966
Ancestry covariance
Genetic Distance(cM)

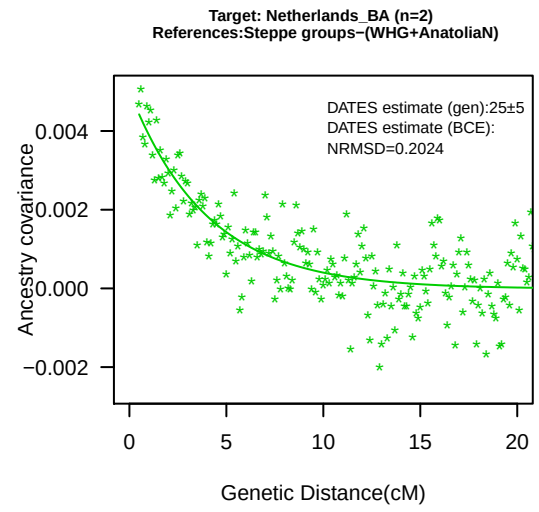

Target: Denmark_MN_B.SG (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):19±3
DATES estimate (BCE):
NRMSD=0.6804
Ancestry covariance
Genetic Distance(cM)

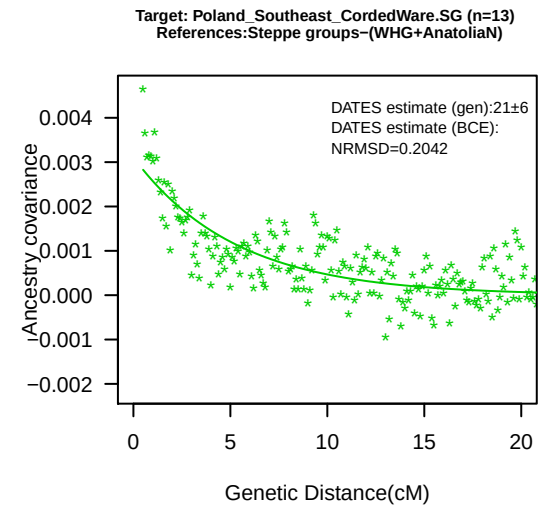

Target: Estonia_CordedWare.SG (n=3)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):14±6
DATES estimate (BCE):
NRMSD=0.2766
Ancestry covariance
Genetic Distance(cM)

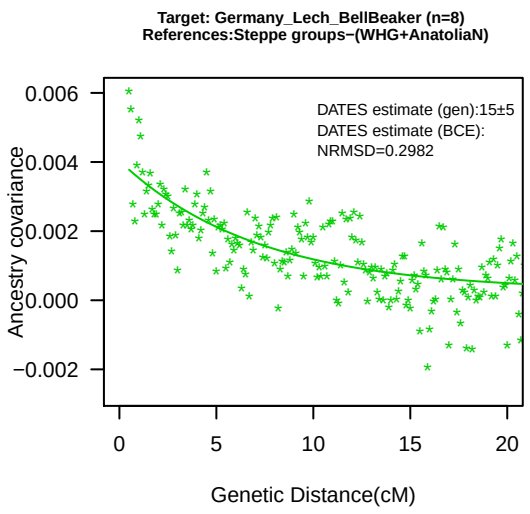

Target: Germany_CordedWare (n=11)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):26±13
DATES estimate (BCE):
NRMSD=0.1924
Ancestry covariance
Genetic Distance(cM)

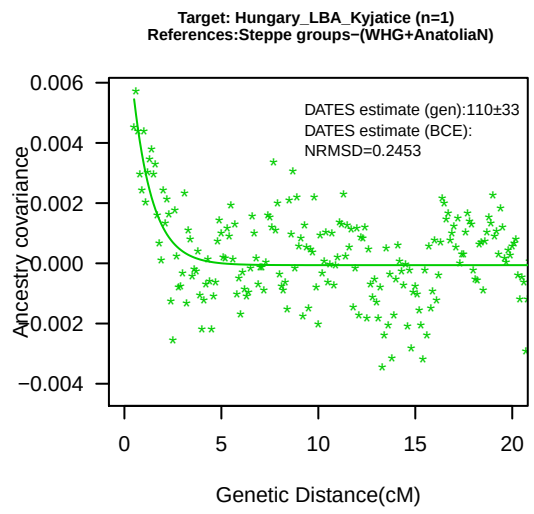

Target: Germany_EBA_Unetice (n=5)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):42±19
DATES estimate (BCE):
NRMSD=0.1479
Ancestry covariance
Genetic Distance(cM)

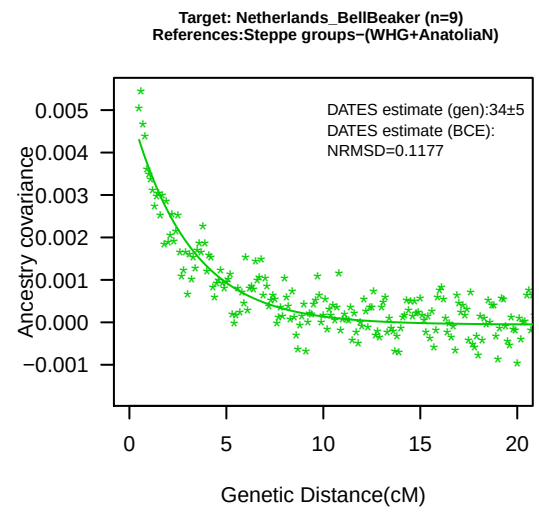

Target: Hungary_EBA_Protonagyrev (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):16±7
DATES estimate (BCE):
NRMSD=0.5086
Ancestry covariance
Genetic Distance(cM)

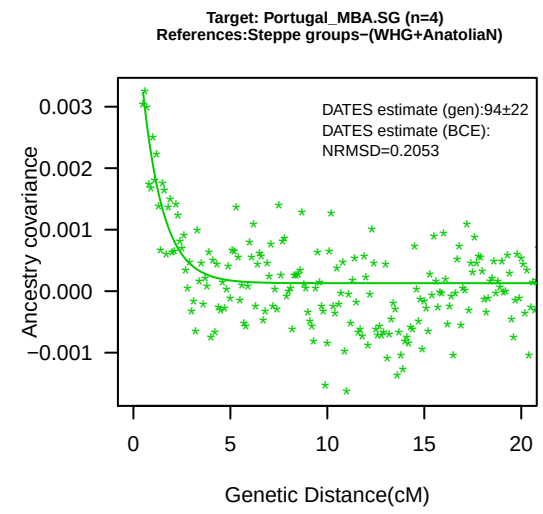

Target: Netherlands_BA (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):25±5
DATES estimate (BCE):
NRMSD=0.2024
Ancestry covariance
Genetic Distance(cM)

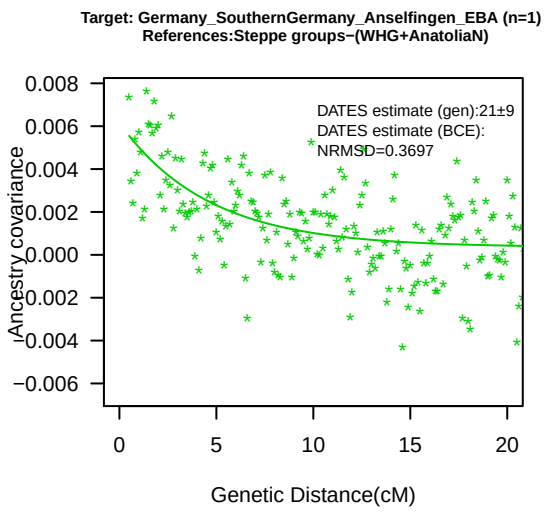

Target: Poland_Southeast_CordedWare.SG (n=13)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):21±6
DATES estimate (BCE):
NRMSD=0.2042
Ancestry covariance
Genetic Distance(cM)

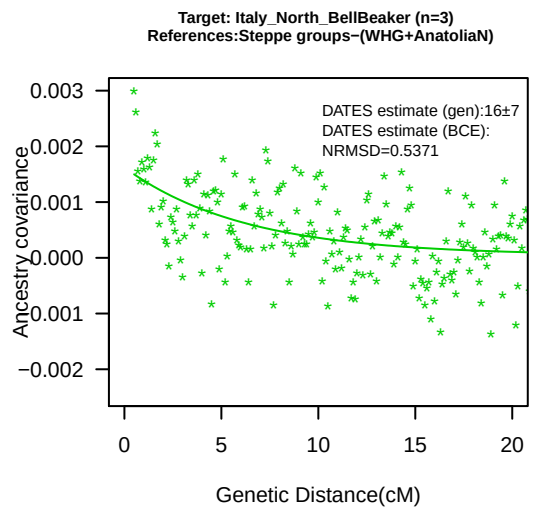

Target: Germany_Lech_BellBeaker (n=8)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):15±5
DATES estimate (BCE):
NRMSD=0.2982
Ancestry covariance
Genetic Distance(cM)

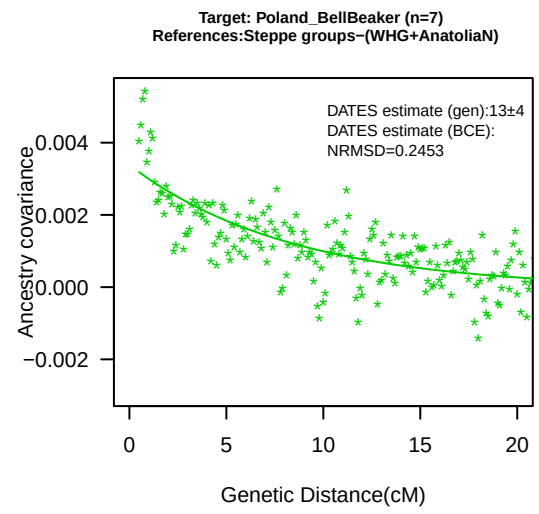

Target: Hungary_LBA_Kyjatice (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):110±33
DATES estimate (BCE):
NRMSD=0.2453
Ancestry covariance
Genetic Distance(cM)

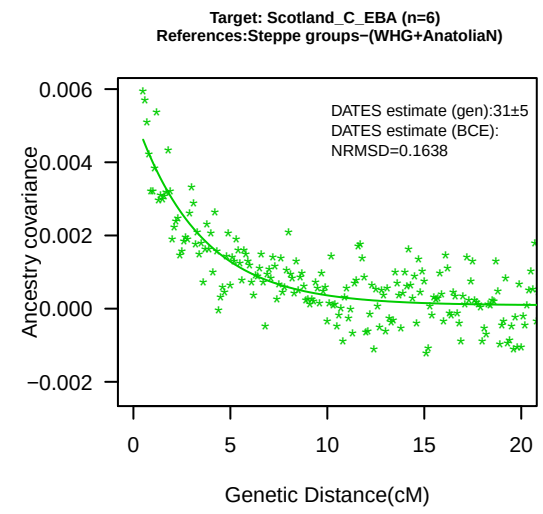

Target: Netherlands_BellBeaker (n=9)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):34±5
DATES estimate (BCE):
NRMSD=0.1177
Ancestry covariance
Genetic Distance(cM)

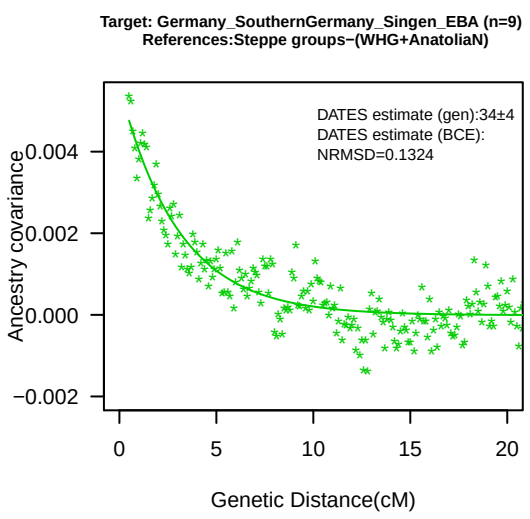

Target: Portugal_MBA.SG (n=4)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):94±22
DATES estimate (BCE):
NRMSD=0.2053
Ancestry covariance
Genetic Distance(cM)

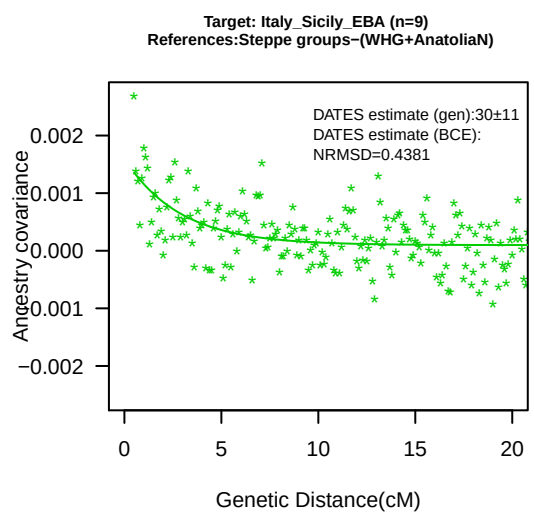

Target: Germany_SouthernGermany_Anselfingen_EBA (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):21±9
DATES estimate (BCE):
NRMSD=0.3697
Ancestry covariance
Genetic Distance(cM)

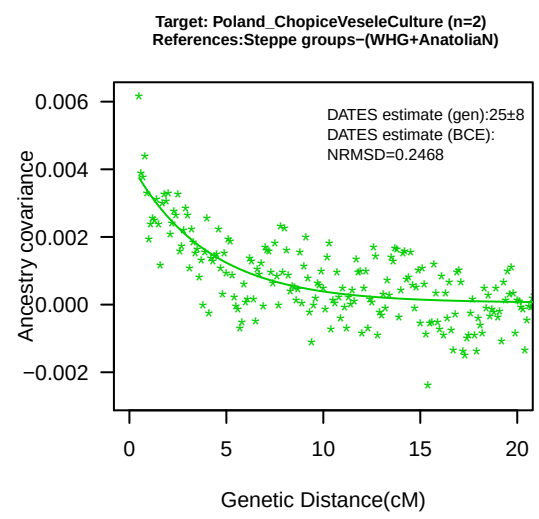

Target: Italy_North_BellBeaker (n=3)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):16±7
DATES estimate (BCE):
NRMSD=0.5371
Ancestry covariance
Genetic Distance(cM)

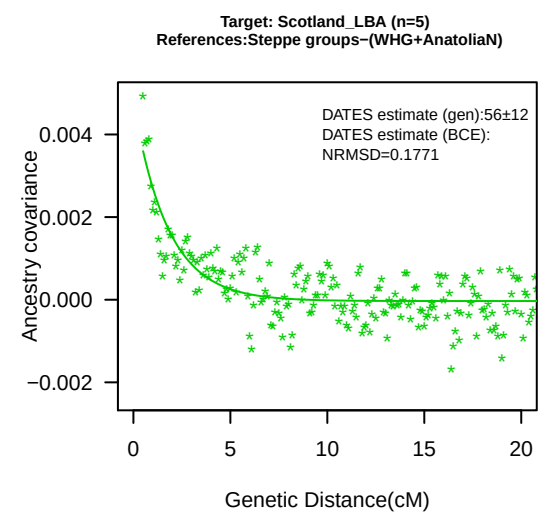

Target: Poland_BellBeaker (n=7)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):13±4
DATES estimate (BCE):
NRMSD=0.2453
Ancestry covariance
Genetic Distance(cM)

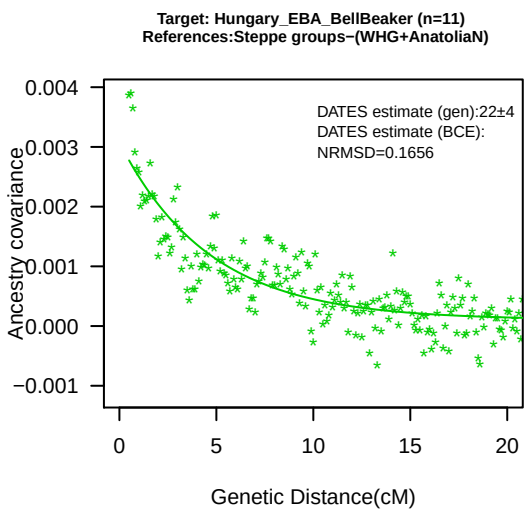

Target: Scotland_C_EBA (n=6)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):31±5
DATES estimate (BCE):
NRMSD=0.1638
Ancestry covariance
Genetic Distance(cM)

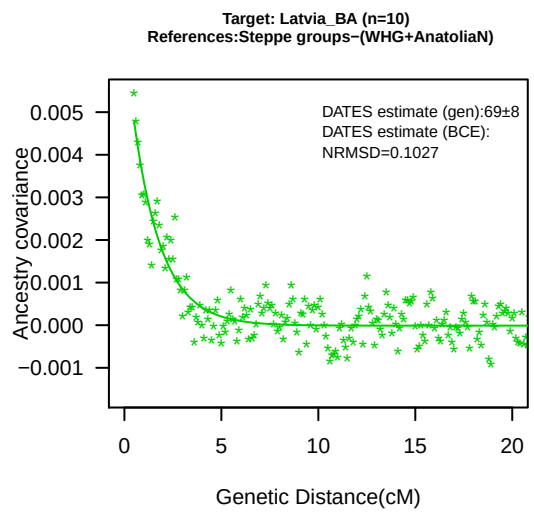

Target: Germany_SouthernGermany_Singen_EBA (n=9)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):34±4
DATES estimate (BCE):
NRMSD=0.1324
Ancestry covariance
Genetic Distance(cM)

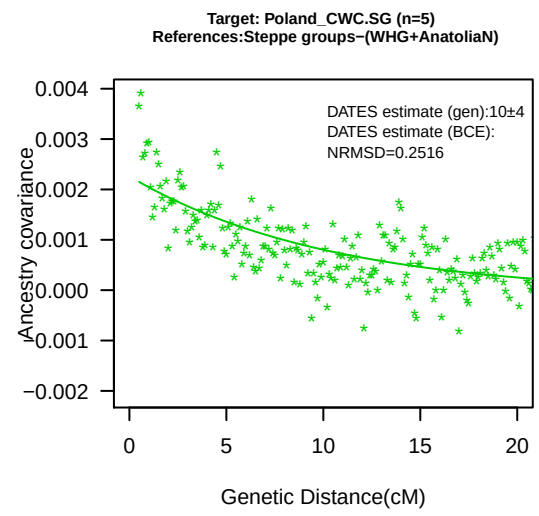

Target: Italy_Sicily_EBA (n=9)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):30±11
DATES estimate (BCE):
NRMSD=0.4381
Ancestry covariance
Genetic Distance(cM)

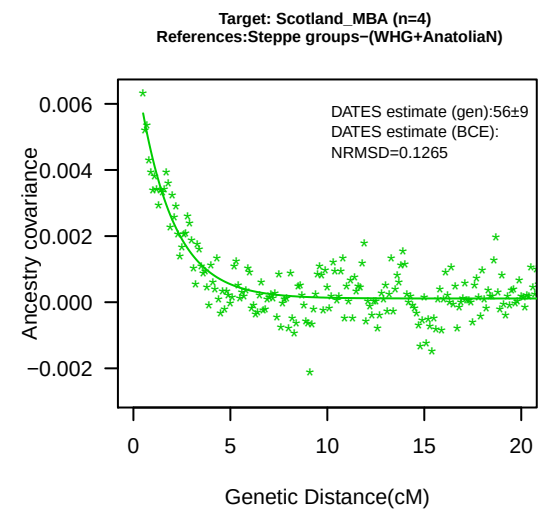

Target: Poland_ChopiceVeseleCulture (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):25±8
DATES estimate (BCE):
NRMSD=0.2468
Ancestry covariance
Genetic Distance(cM)

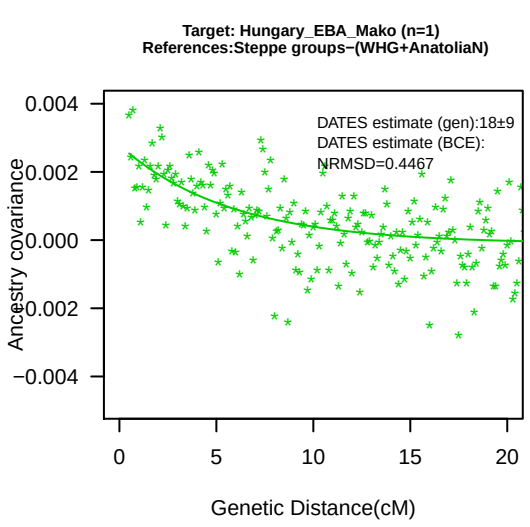

Target: Scotland_LBA (n=5)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):56±12
DATES estimate (BCE):
NRMSD=0.1771
Ancestry covariance
Genetic Distance(cM)

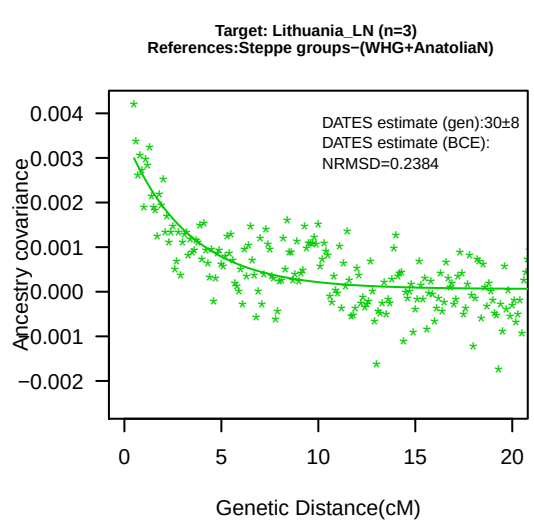

Target: Hungary_EBA_BellBeaker (n=11)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):22±4
DATES estimate (BCE):
NRMSD=0.1656
Ancestry covariance
Genetic Distance(cM)

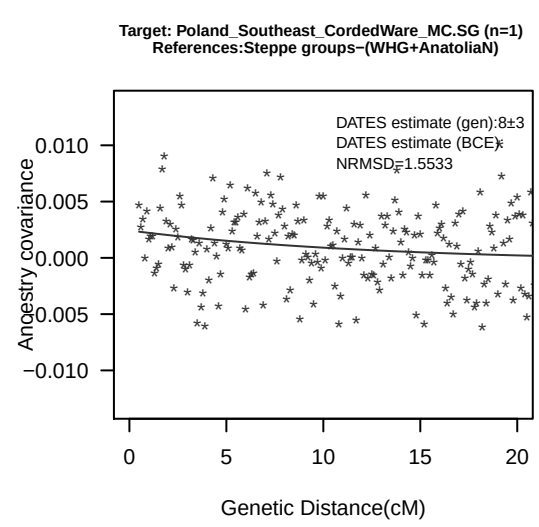

Target: Latvia_BA (n=10)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):69±8
DATES estimate (BCE):
NRMSD=0.1027
Ancestry covariance
Genetic Distance(cM)

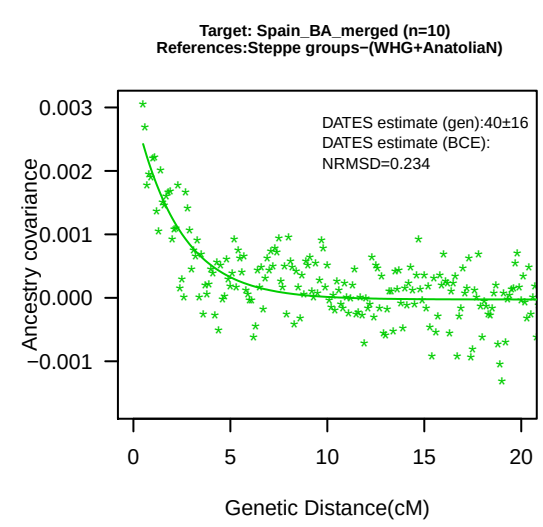

Target: Poland_CWC.SG (n=5)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):10±4
DATES estimate (BCE):
NRMSD=0.2516
Ancestry covariance
Genetic Distance(cM)

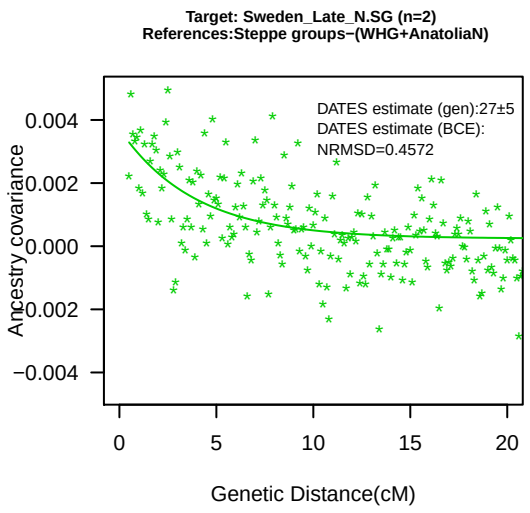

Target: Scotland_MBA (n=4)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):56±9
DATES estimate (BCE):
NRMSD=0.1265
Ancestry covariance
Genetic Distance(cM)

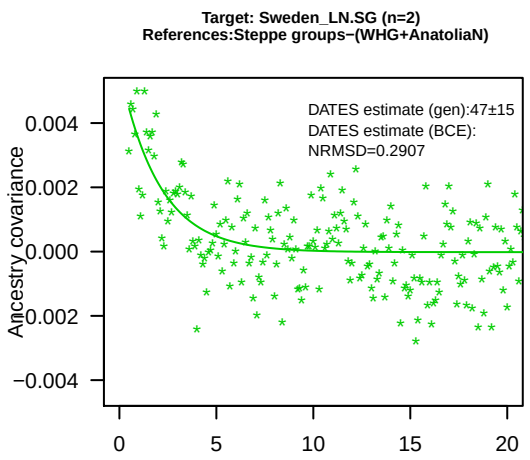

Target: Hungary_EBA_Mako (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):18±9
DATES estimate (BCE):
NRMSD=0.4467
Ancestry covariance
Genetic Distance(cM)

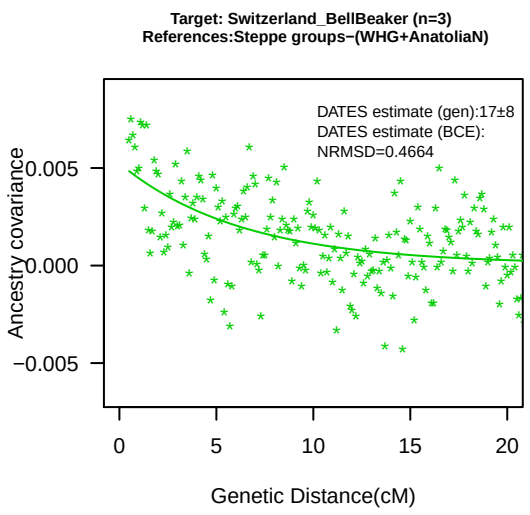

Target: Lithuania_LN (n=3)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):30±8
DATES estimate (BCE):
NRMSD=0.2384
Ancestry covariance
Genetic Distance(cM)

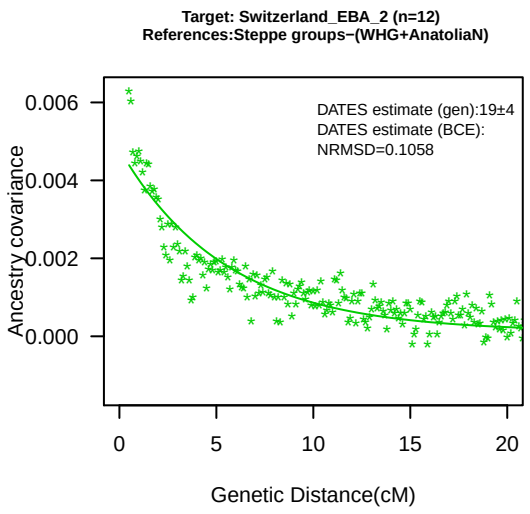

Target: Poland_Southeast_CordedWare_MC.SG (n=1)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):8±3
DATES estimate (BCE):
NRMSD=1.5533
Ancestry covariance
Genetic Distance(cM)


Target: Spain_BA_merged (n=10)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):40±16
DATES estimate (BCE):
NRMSD=0.234
Ancestry covariance
Genetic Distance(cM)


Target: Sweden_Late_N.SG (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):27±5
DATES estimate (BCE):
NRMSD=0.4572
Ancestry covariance
Genetic Distance(cM)


Target: Sweden_LN.SG (n=2)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):47±15
DATES estimate (BCE):
NRMSD=0.2907
Ancestry covariance
Genetic Distance(cM)


Target: Switzerland_BellBeaker (n=3)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):17±8
DATES estimate (BCE):
NRMSD=0.4664
Ancestry covariance
Genetic Distance(cM)


Target: Switzerland_EBA_2 (n=12)
References:Steppe groups−(WHG+AnatoliaN)
DATES estimate (gen):19±4
DATES estimate (BCE):
NRMSD=0.1058
Ancestry covariance
Genetic Distance(cM)