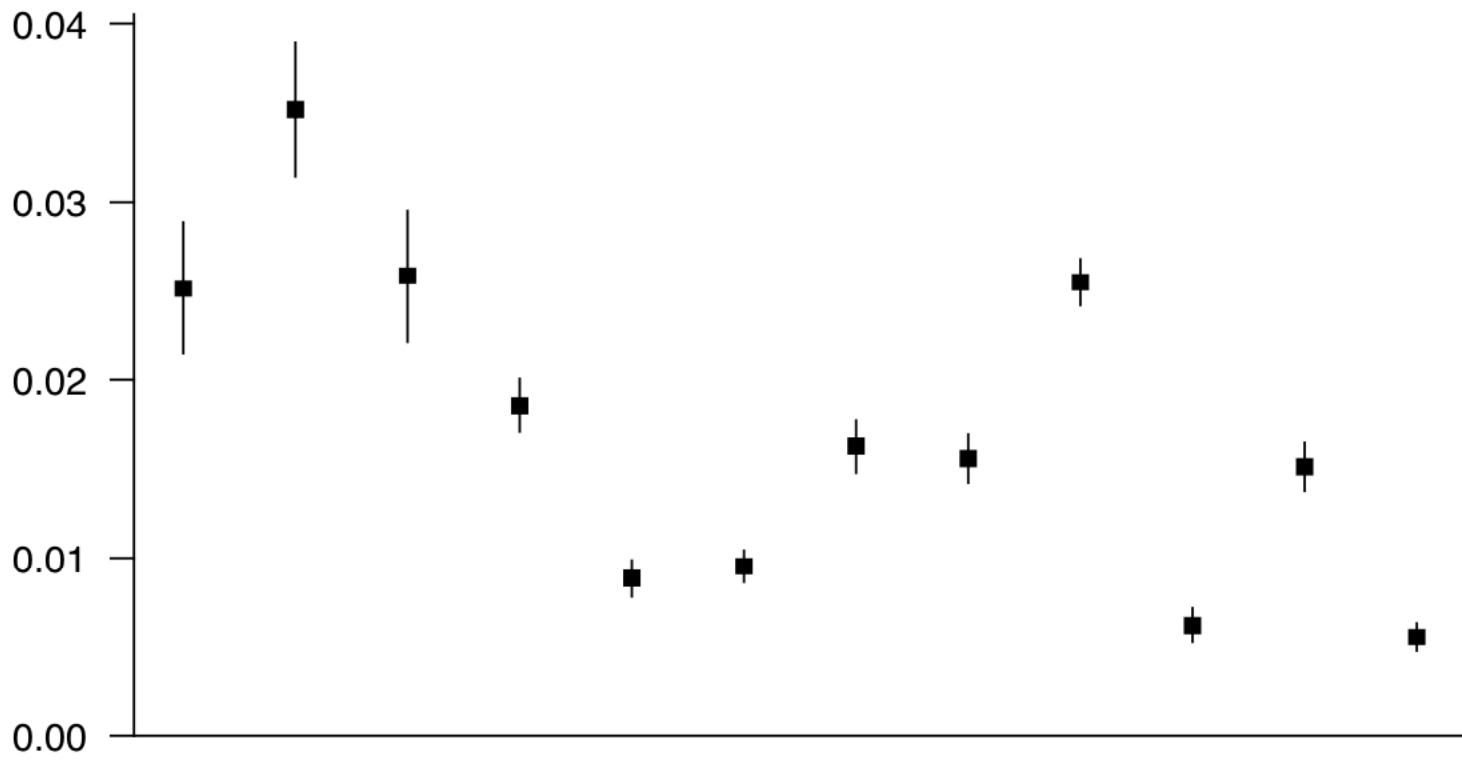
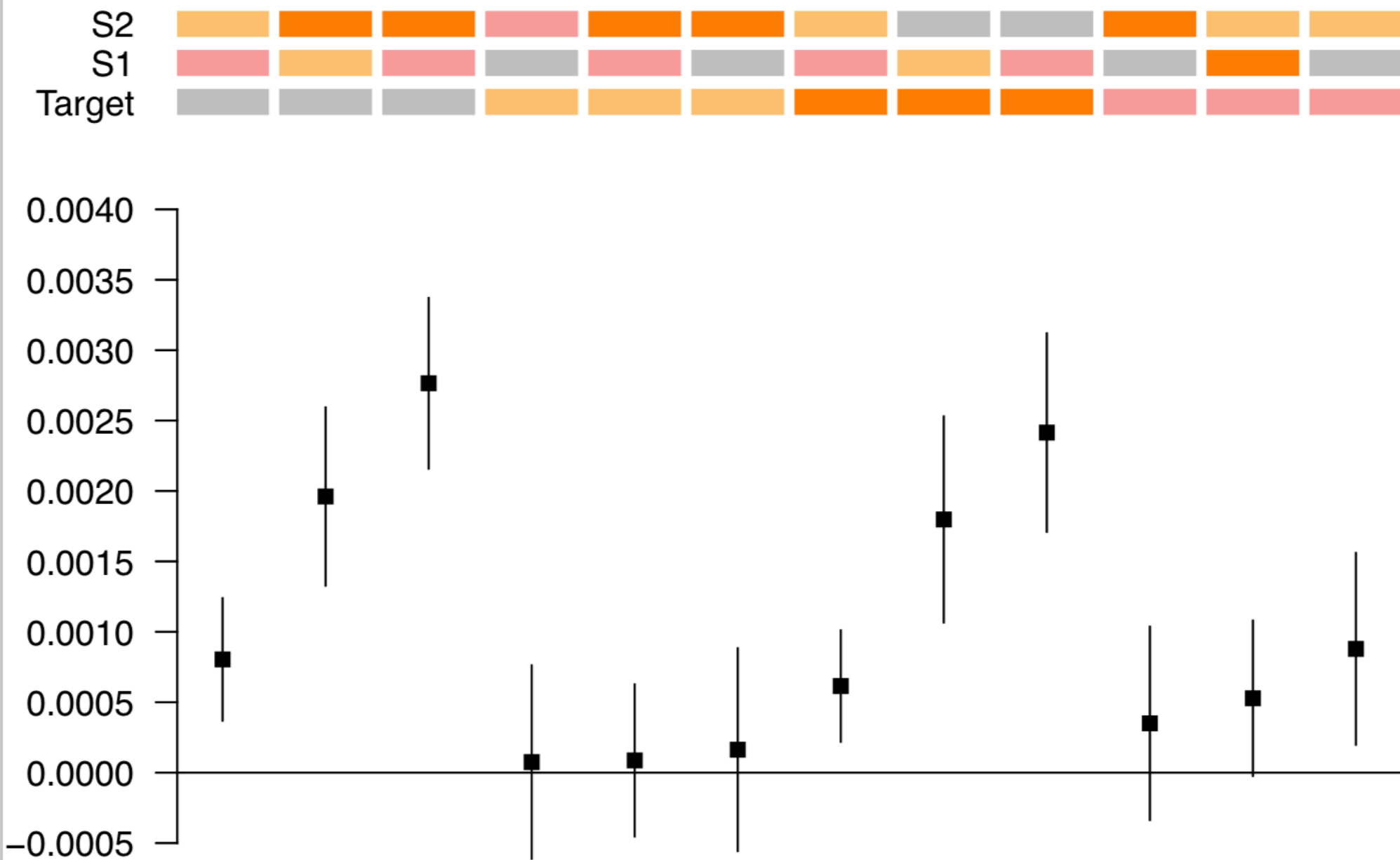
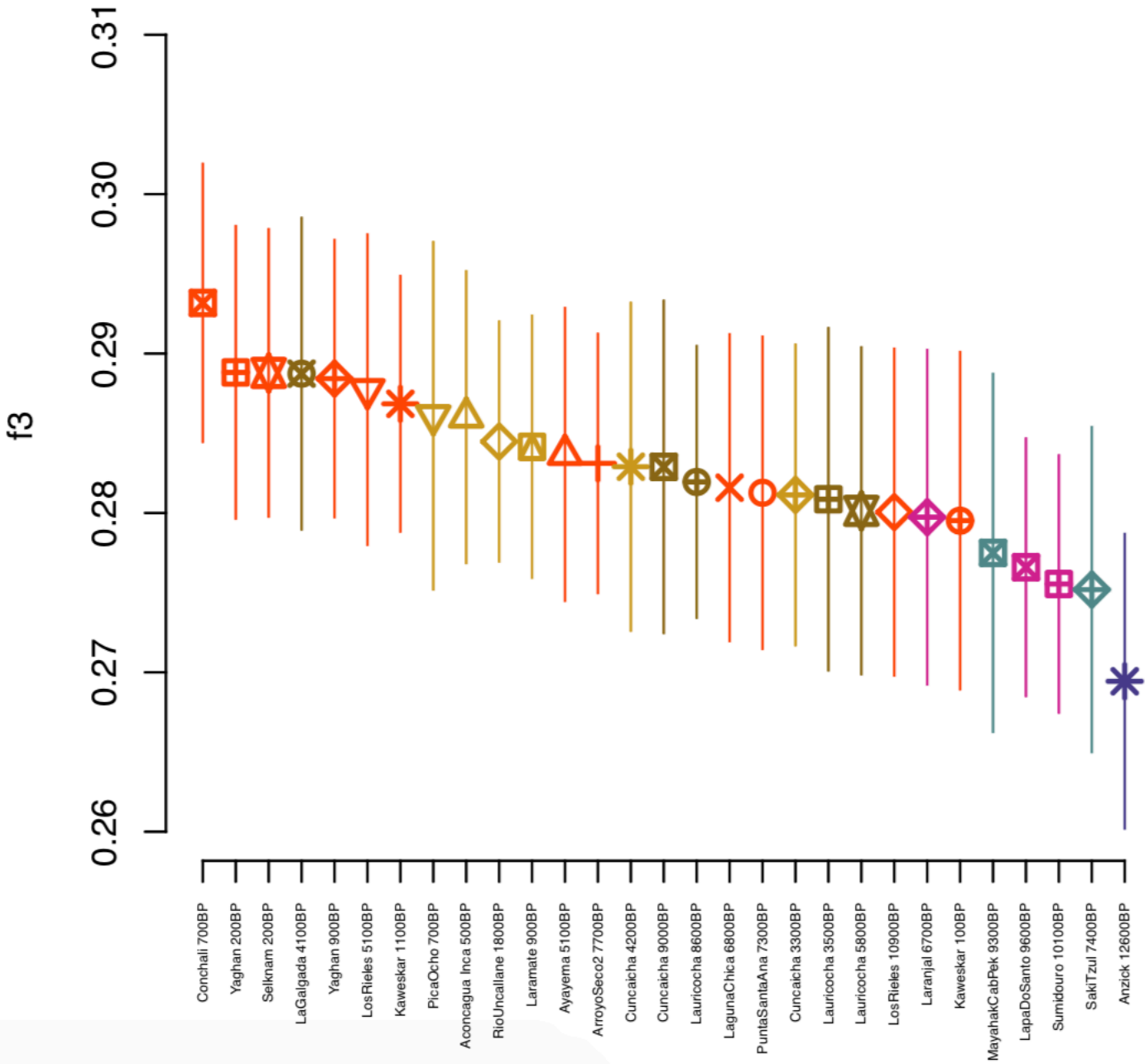


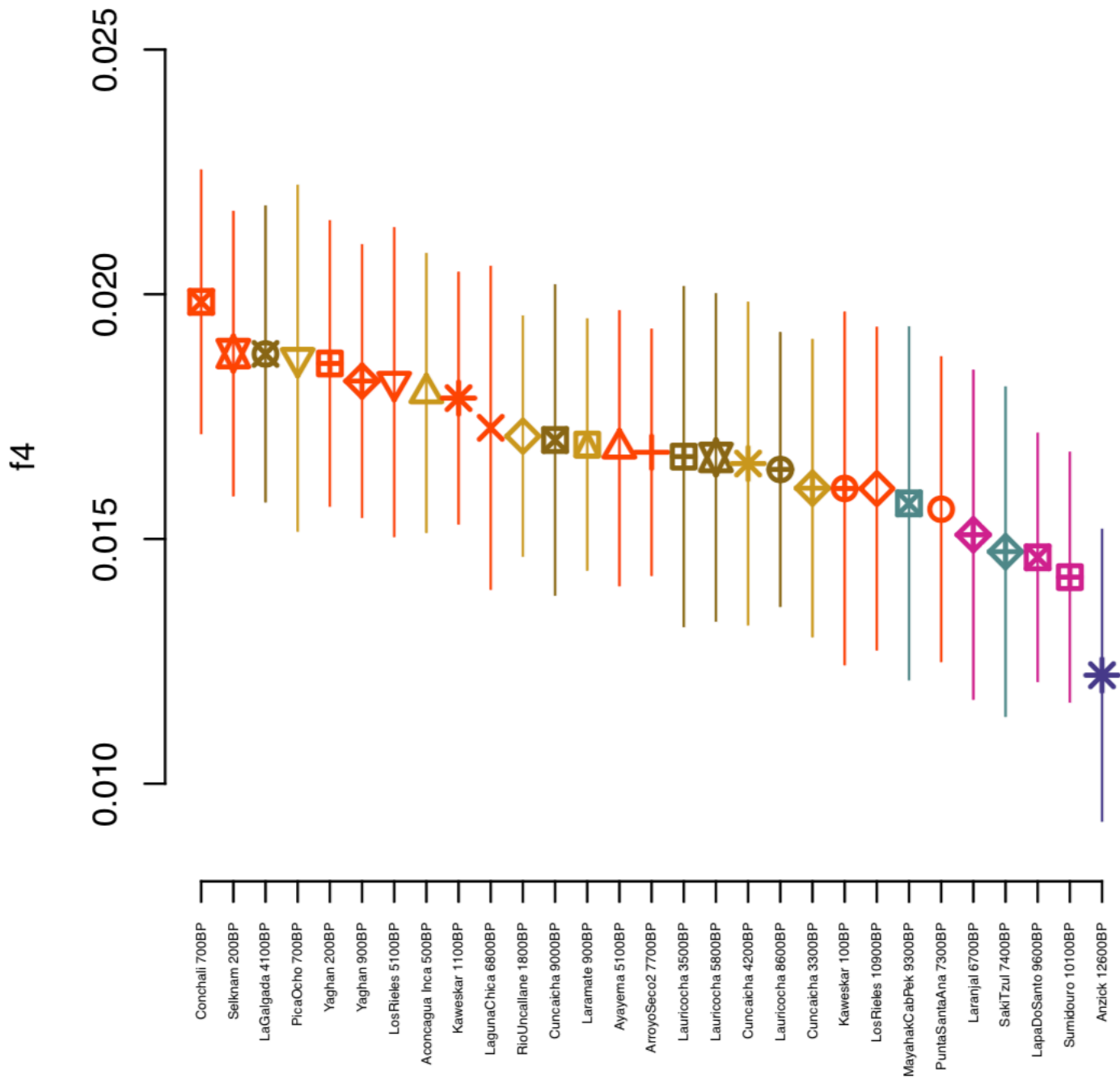
A.**f3 for Treeness: $f_3(\text{Target}; S_1, S_2)$** 

B.**Shared history f4(YRI,Target; S1, S2)**

C.**f3(YRI; CWA without Santiago, Ancient)**

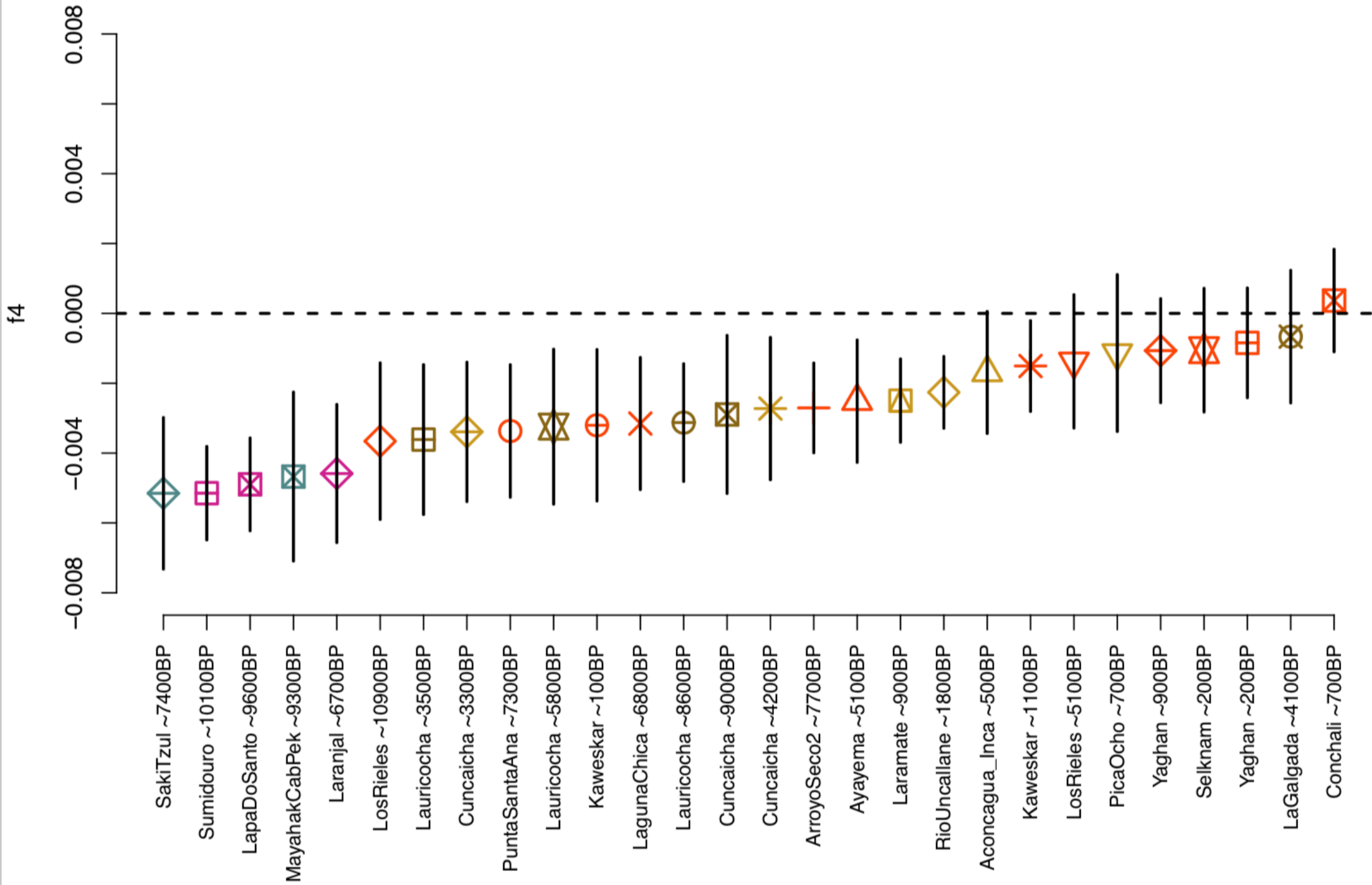
D.

f4(YRI, CWA without Santiago; Ancient Beringia, Ancient)



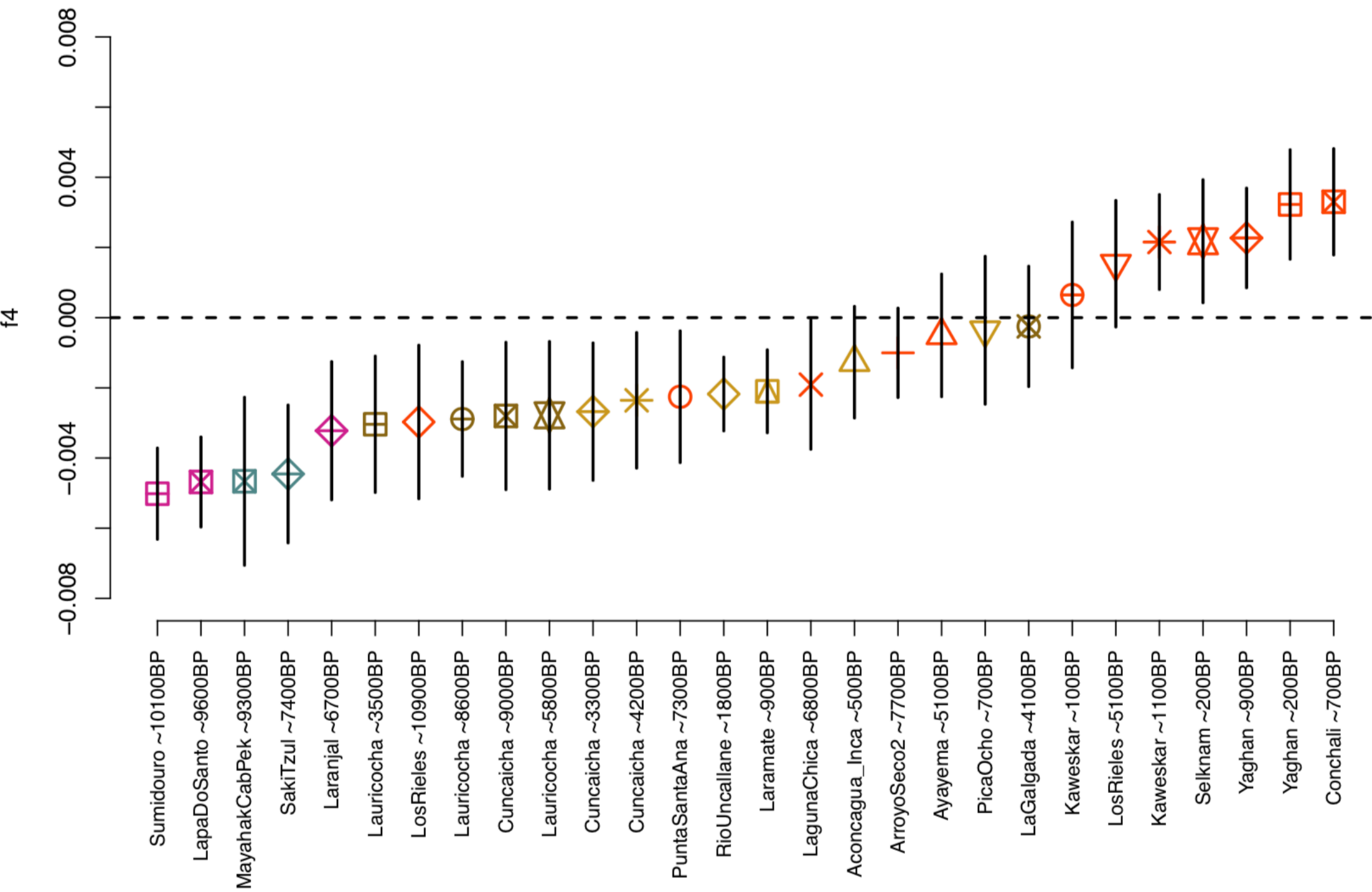
E.

f4(Ancient, CCP ; CWA without Santiago , YRI)



F.

f4(Ancient, CWA without Santiago ; CCP , YRI)



G.

f4(YRI, Ancient; CWA without Santiago, CCP)

