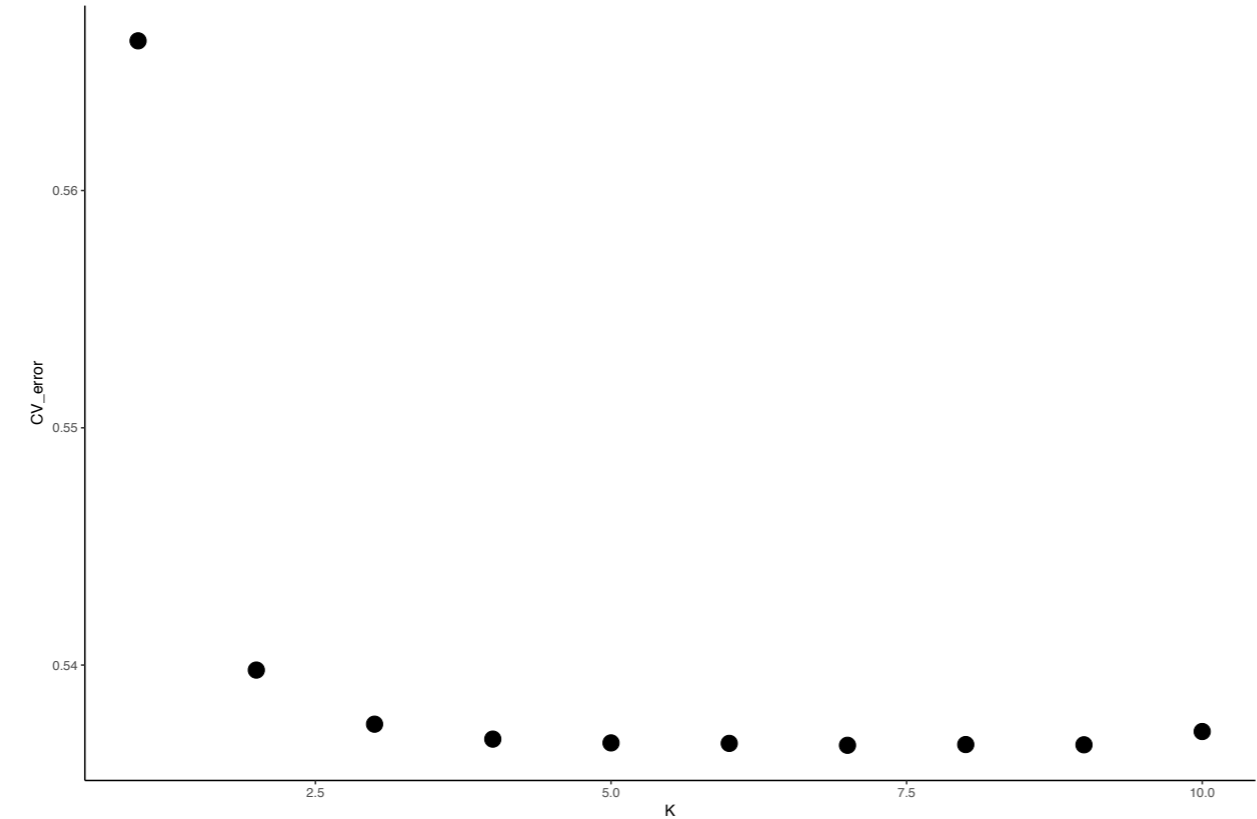
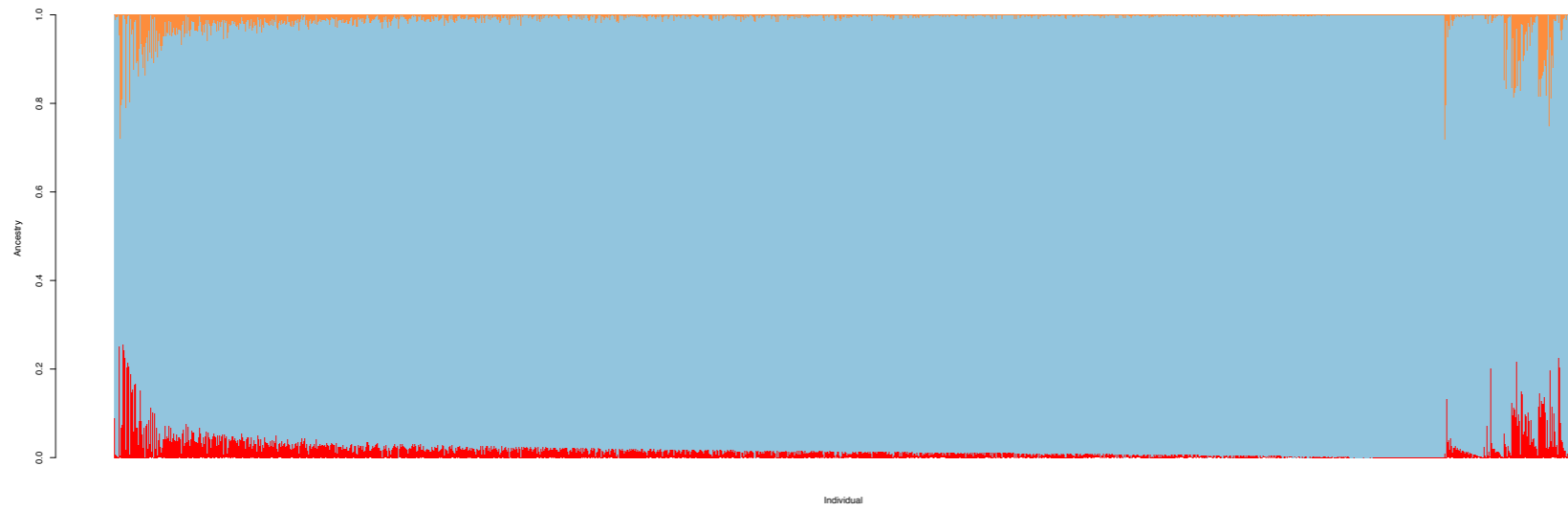
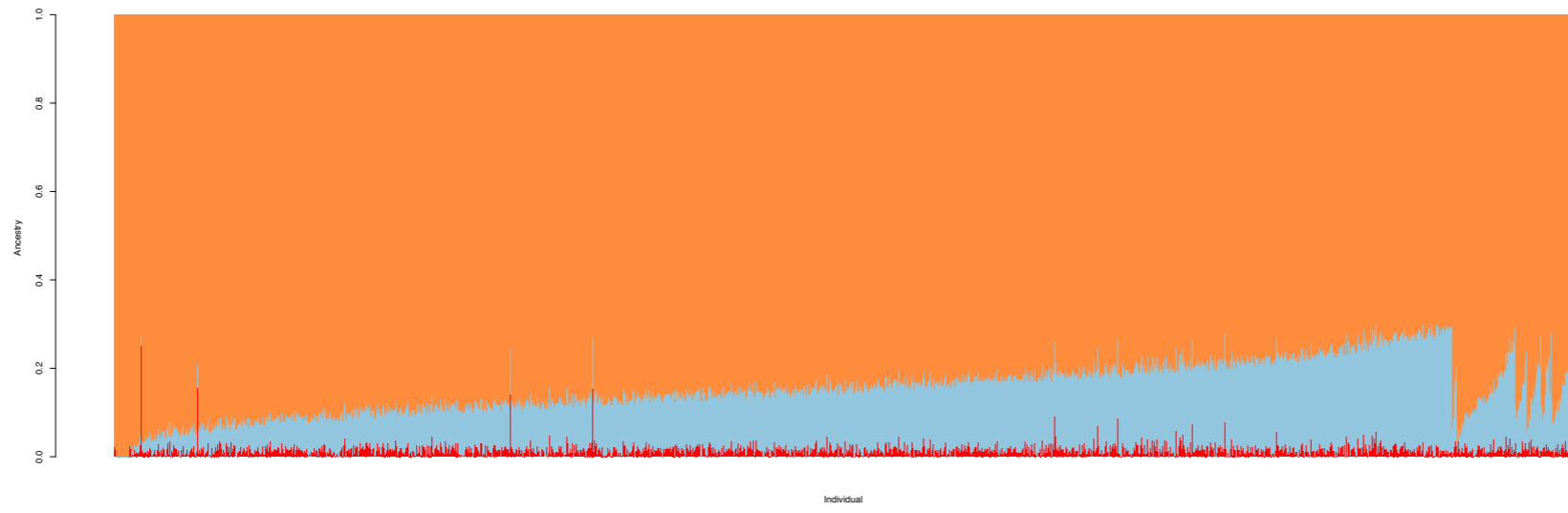
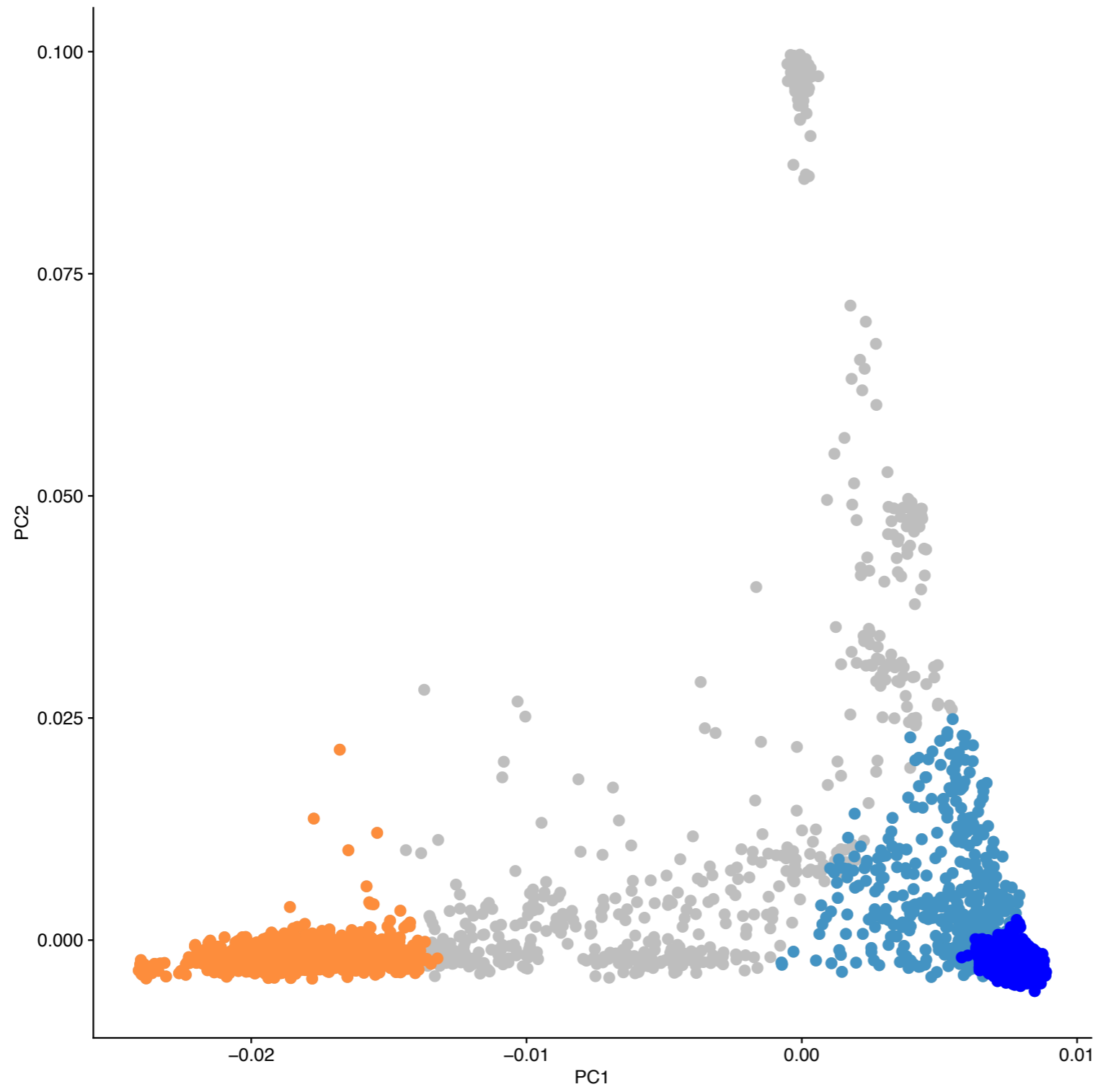
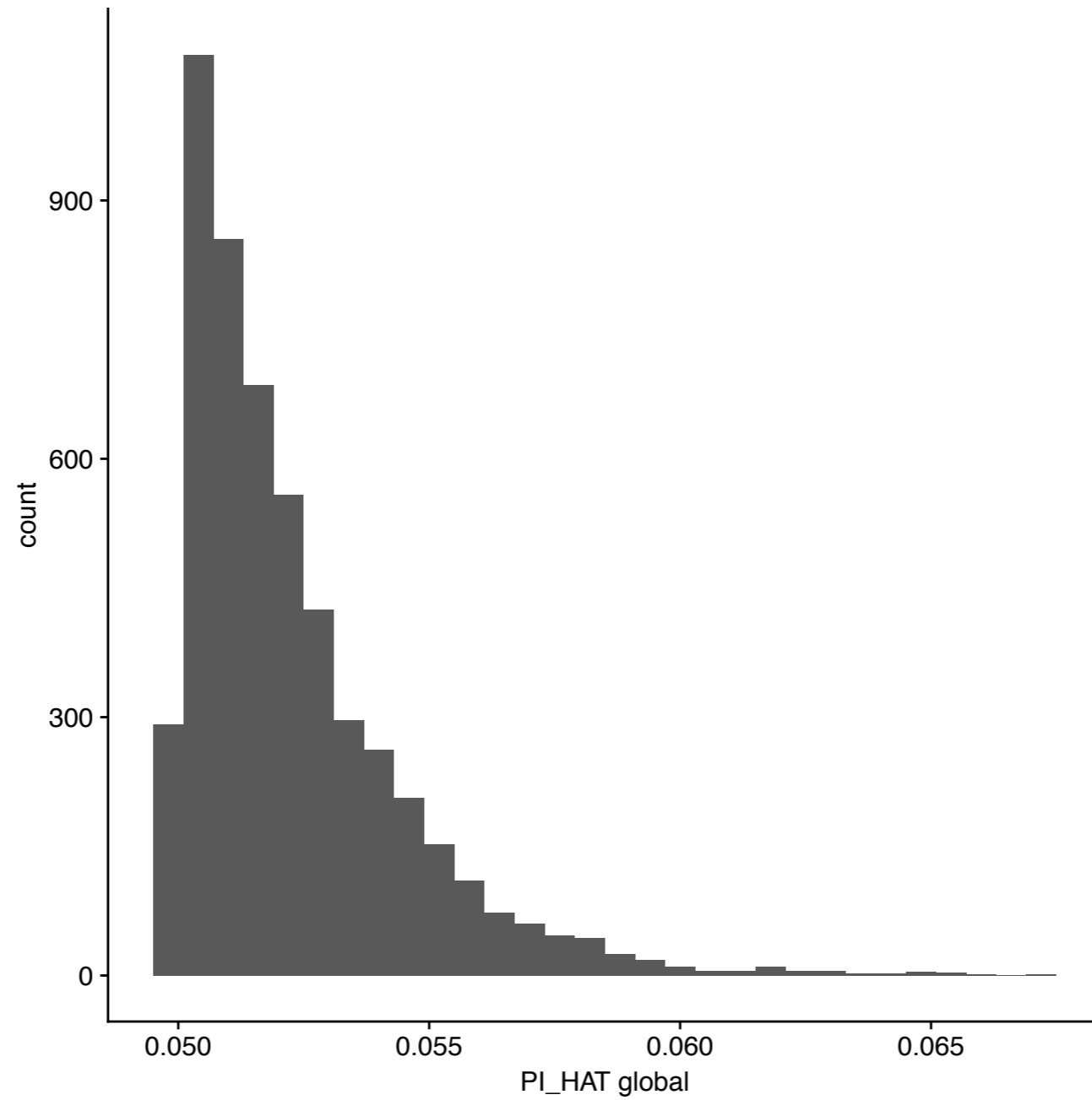


## **Supplementary Figures**



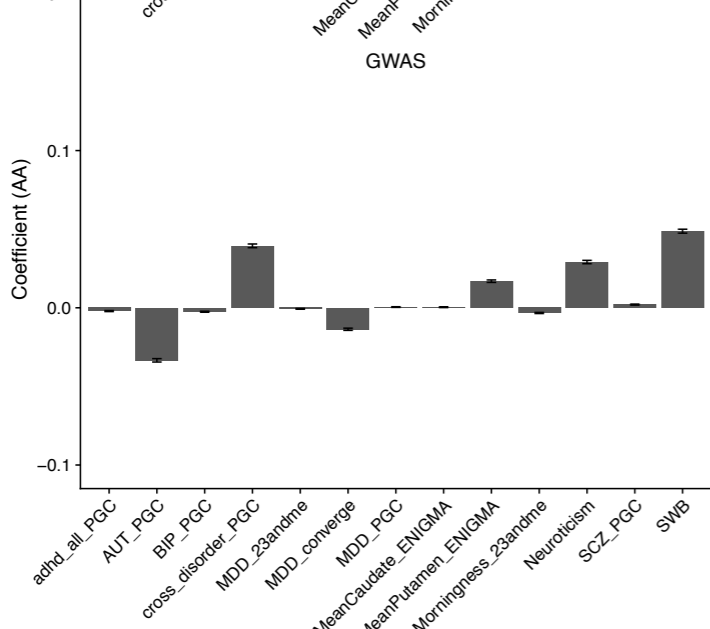
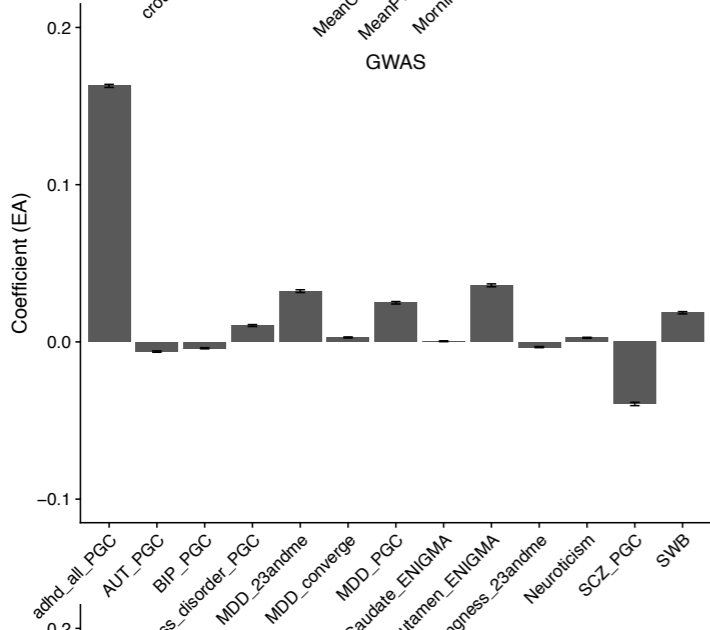
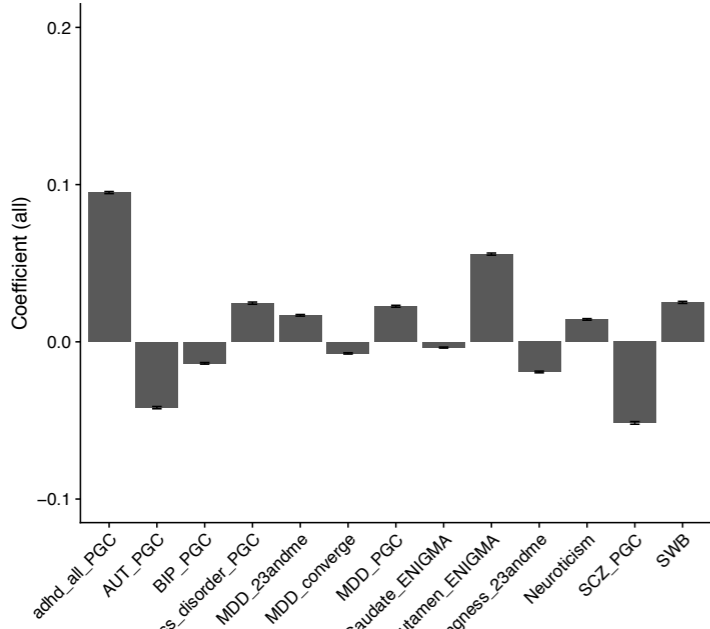
**S Fig 1**



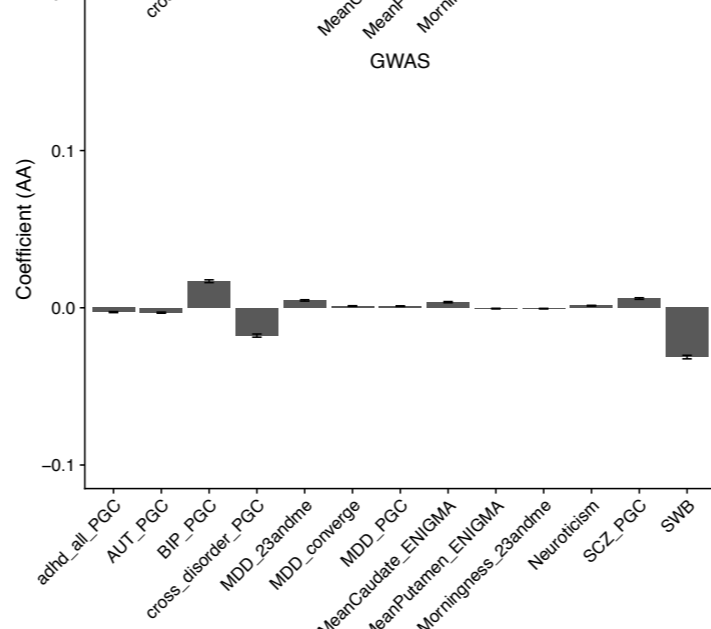
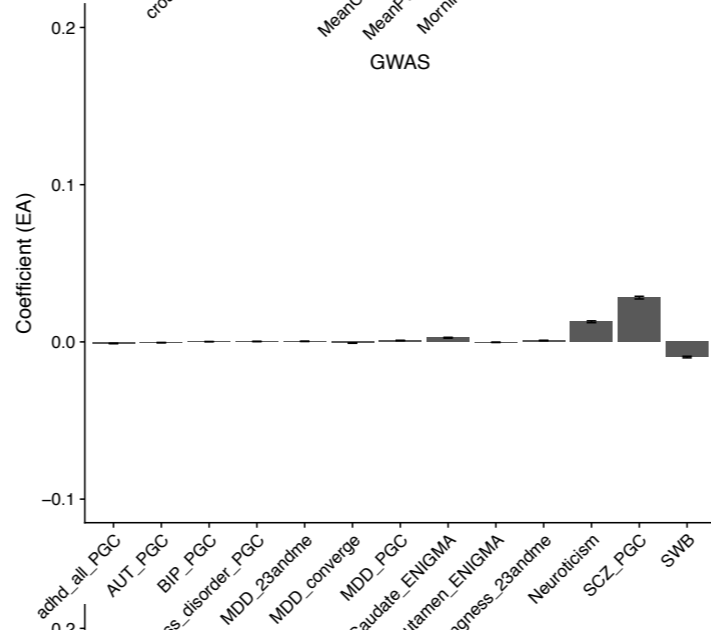
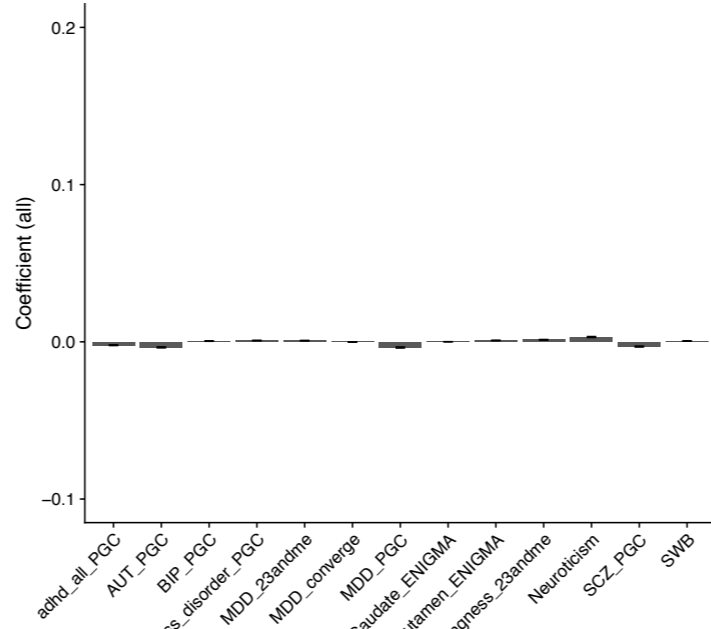


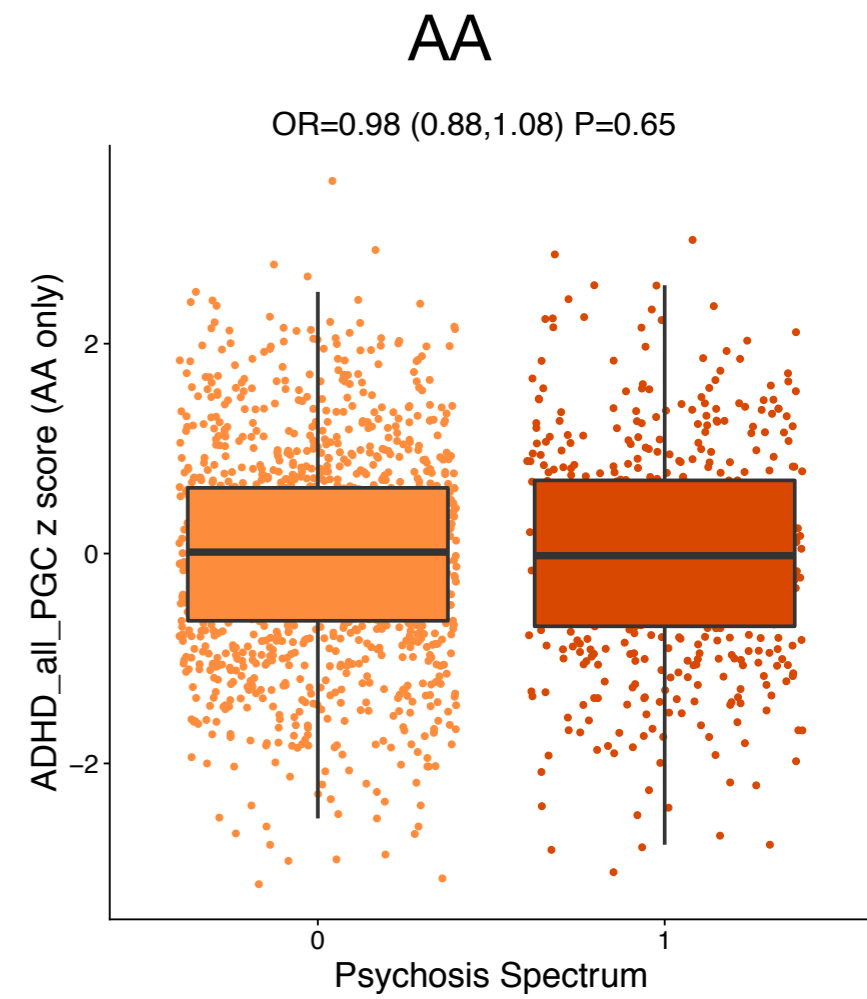
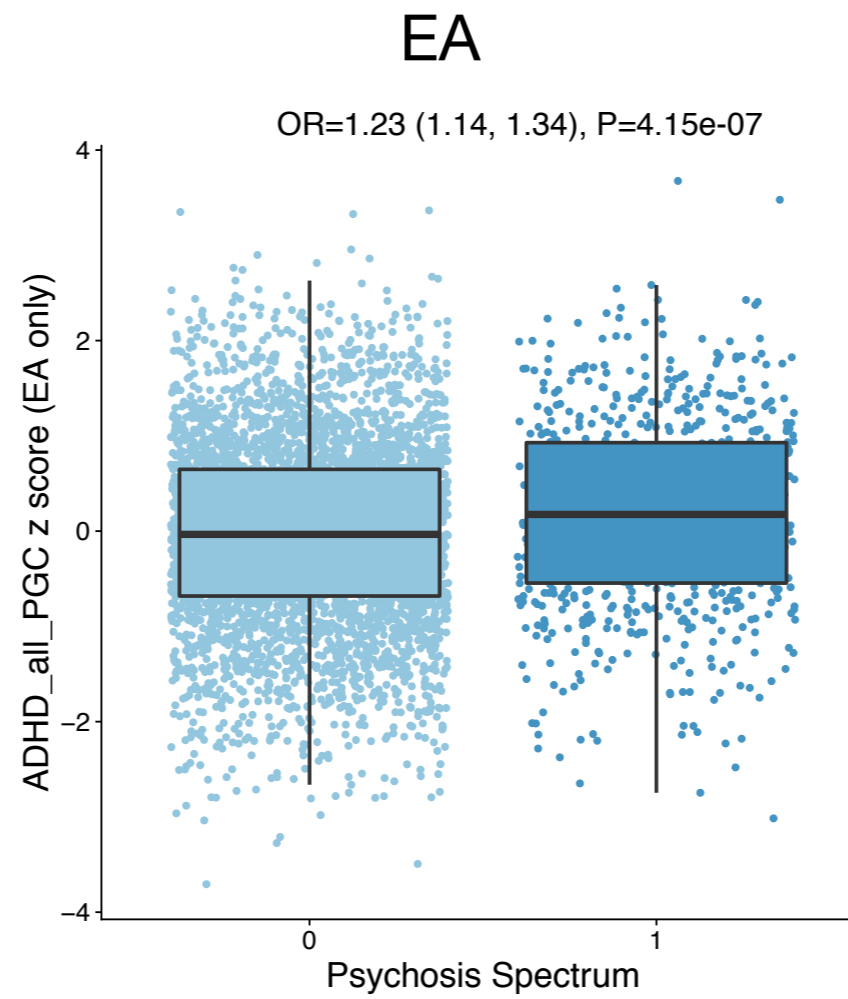
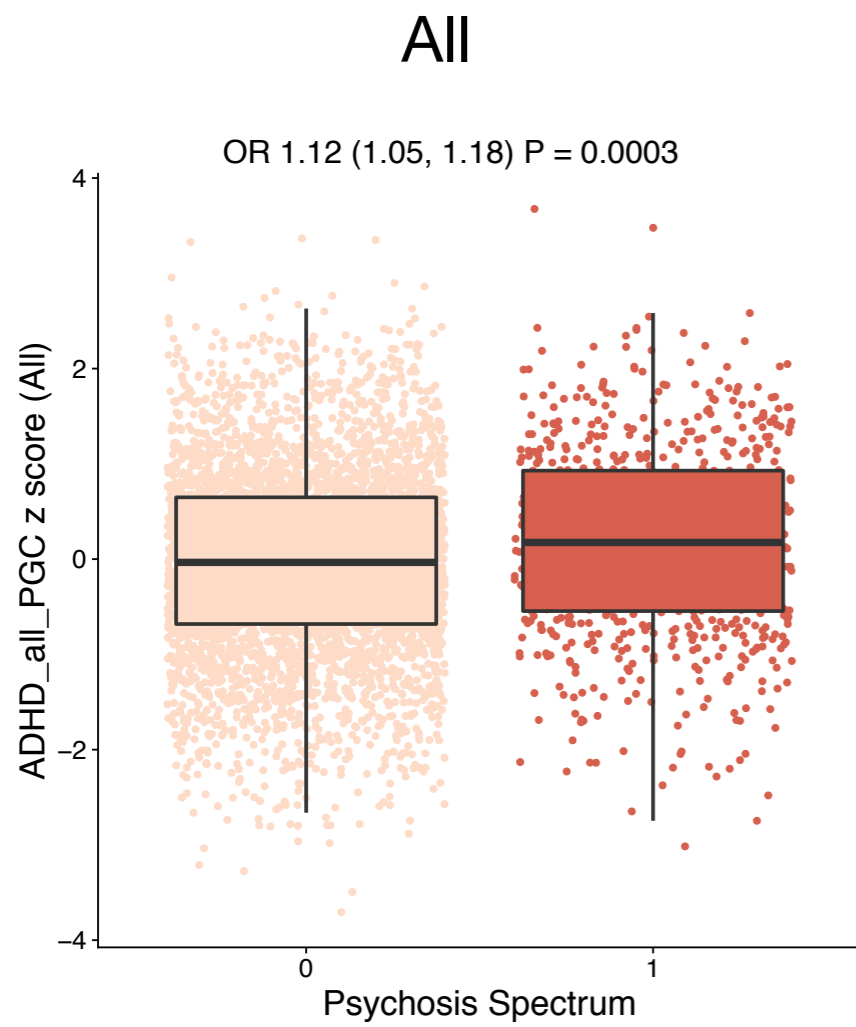
Identity by state estimates  $>0.05$  between EA and AA pairs estimated from a global analyses that were not identified in within-ancestry analyses. Nearly all pairs (~98%) were AA pairs.

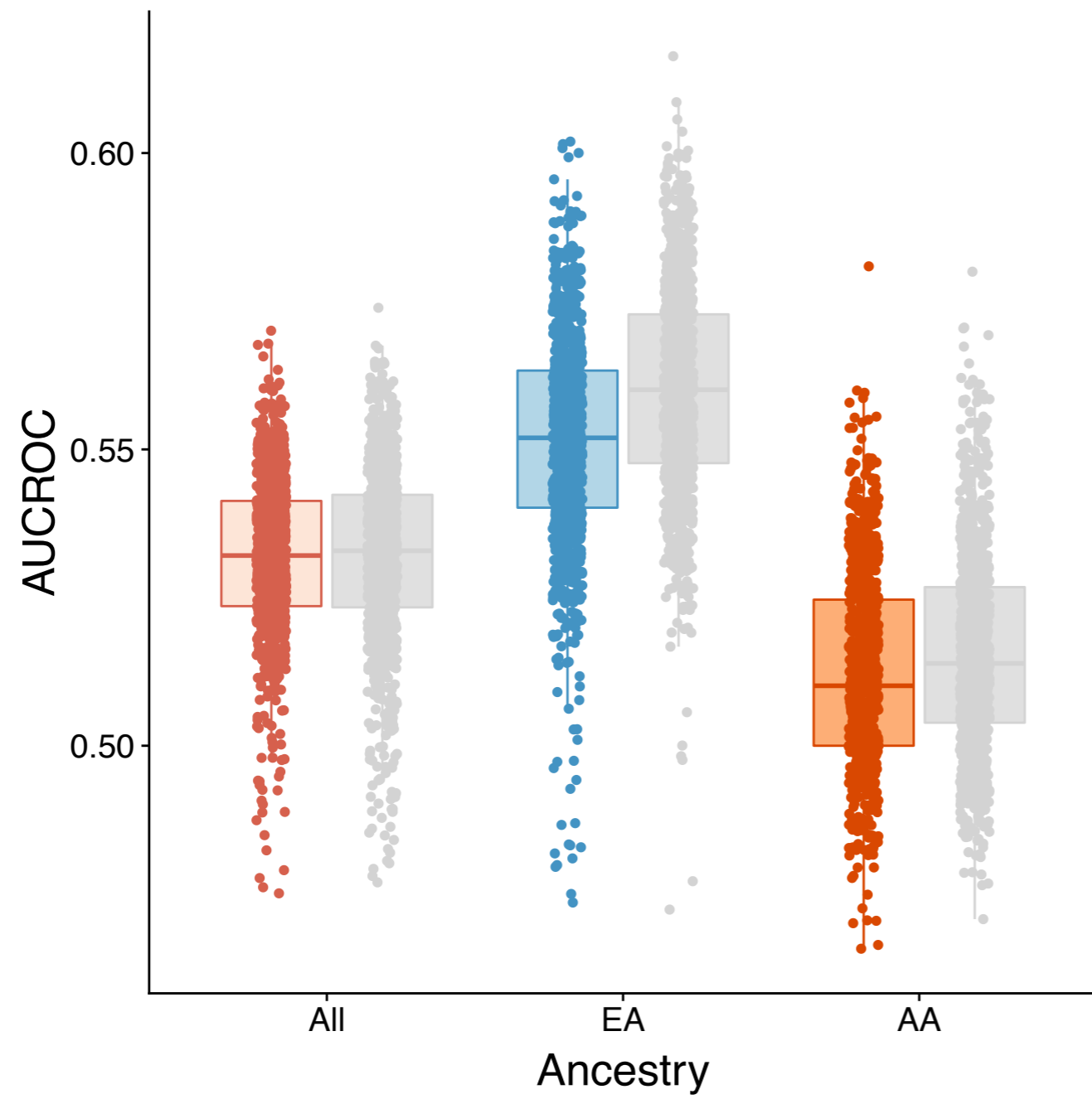
# Actual data

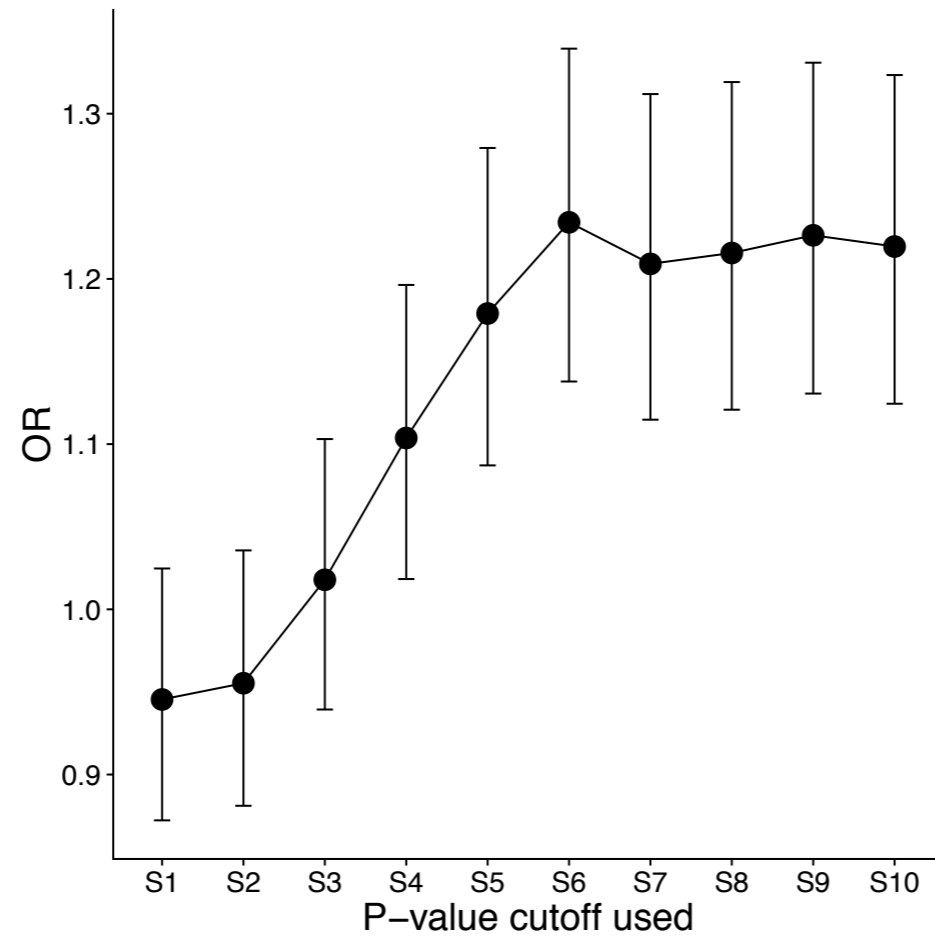


# Permuted data

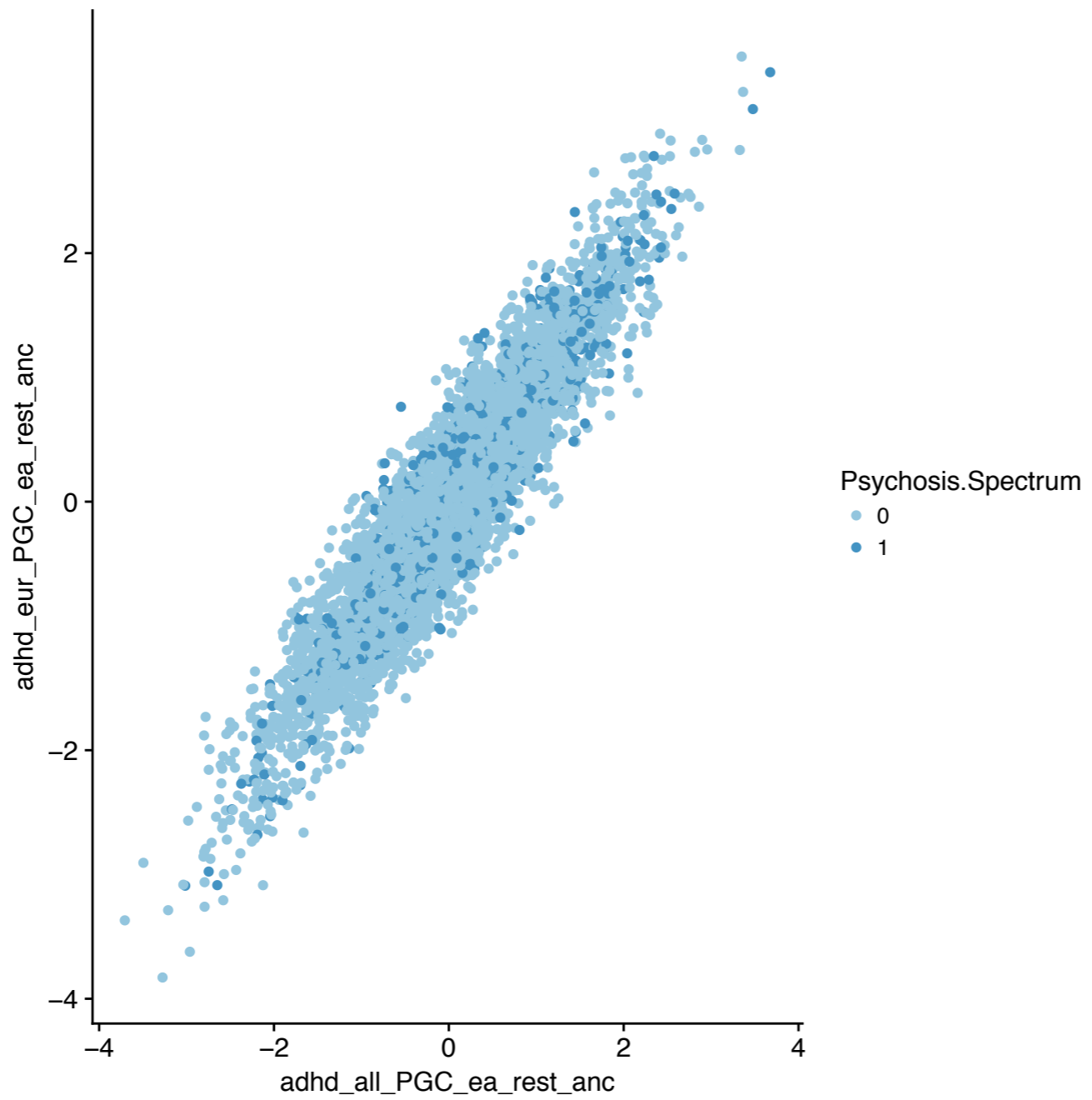




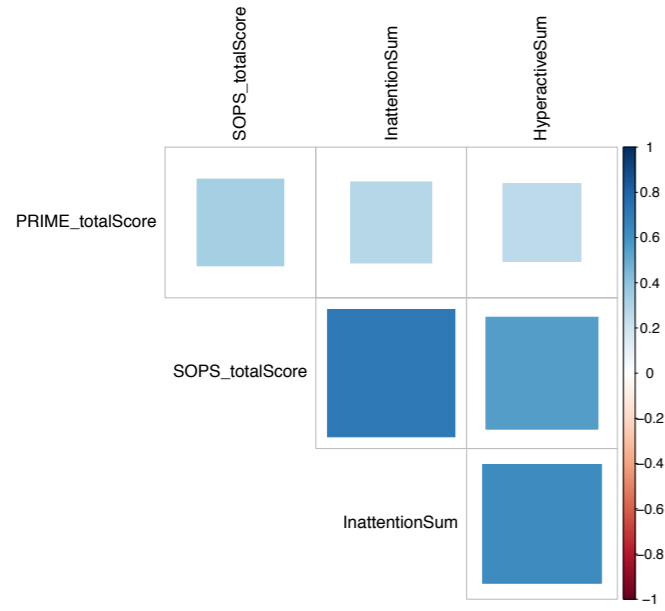




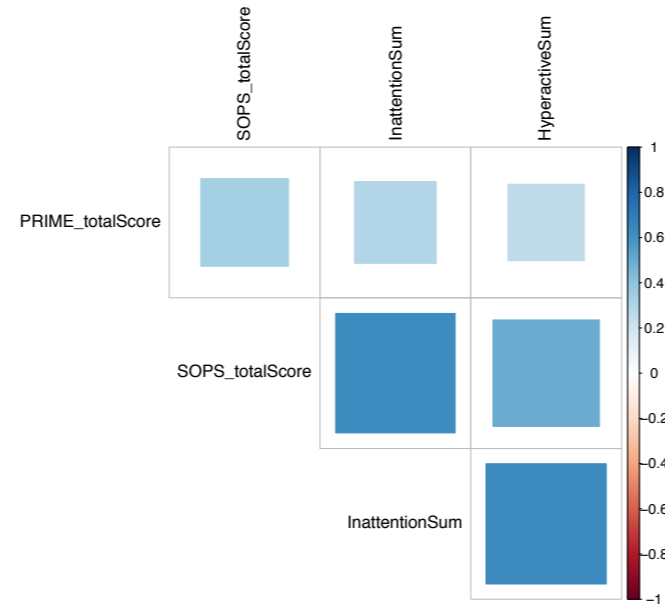




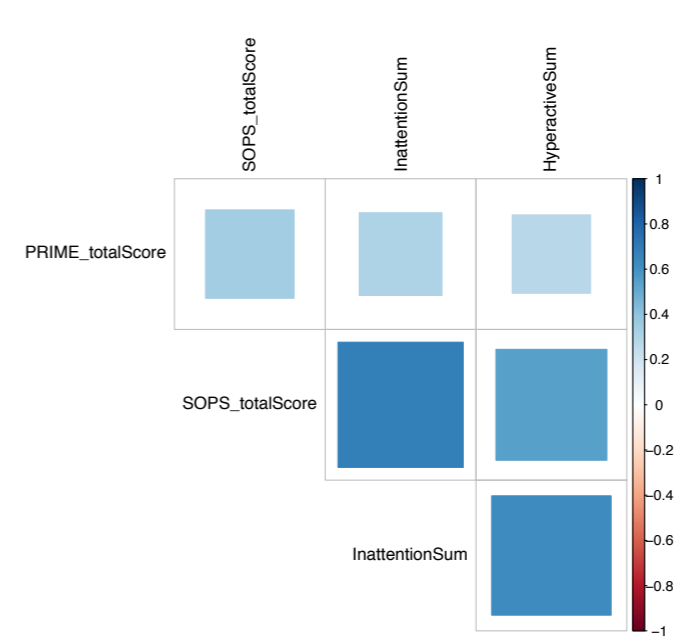
# EA



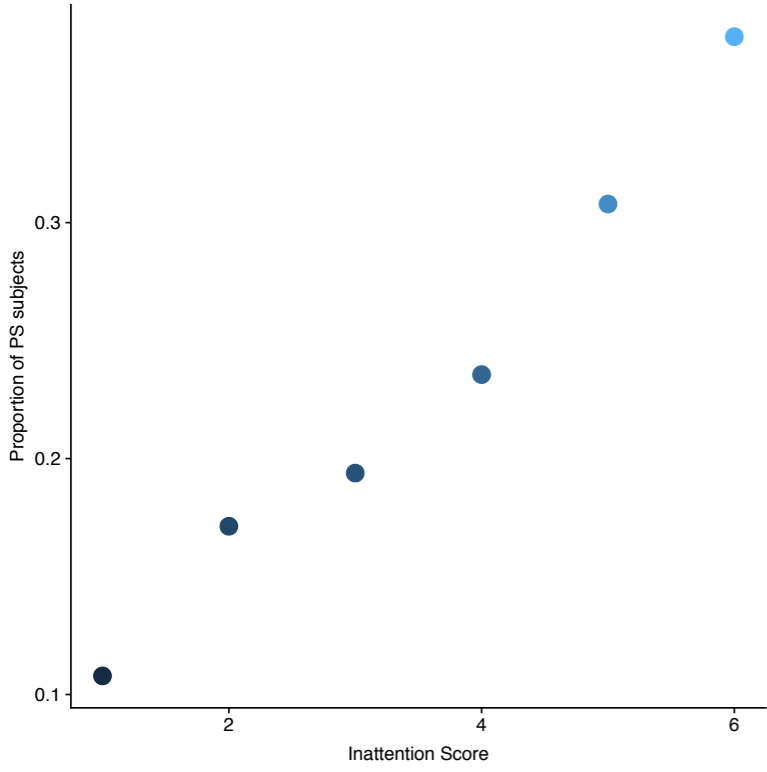
# AA



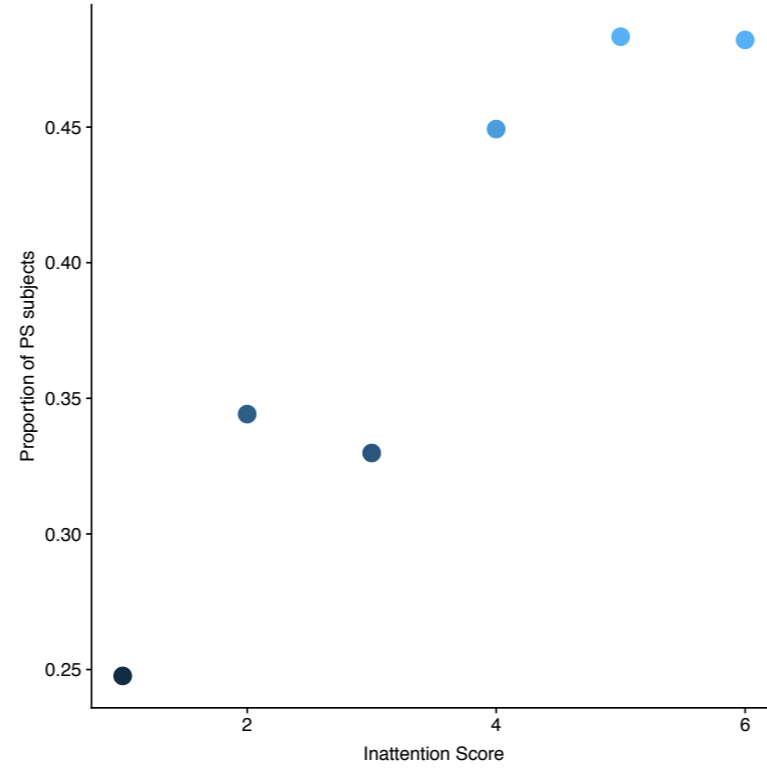
# AII



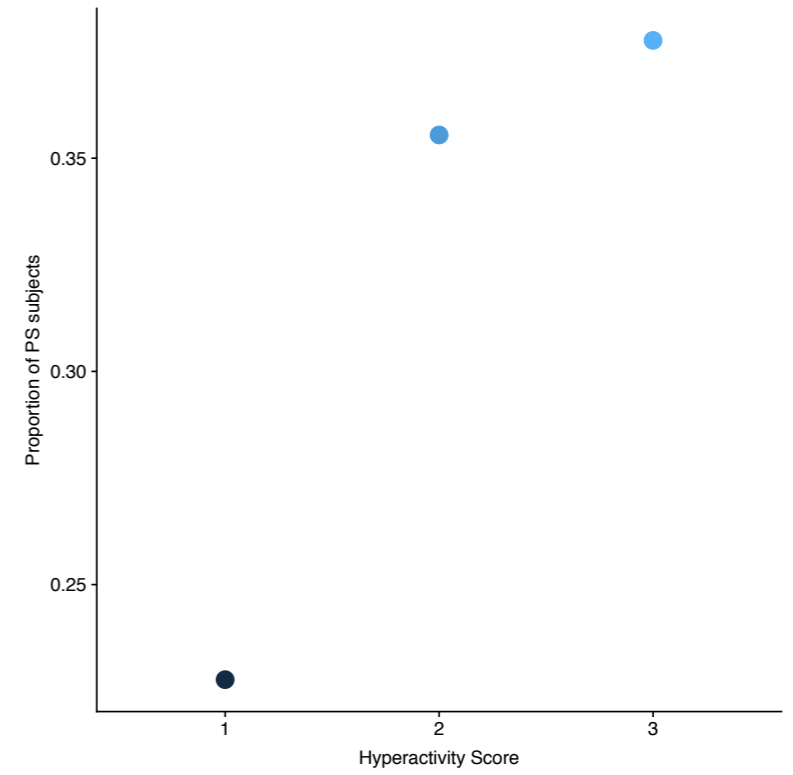
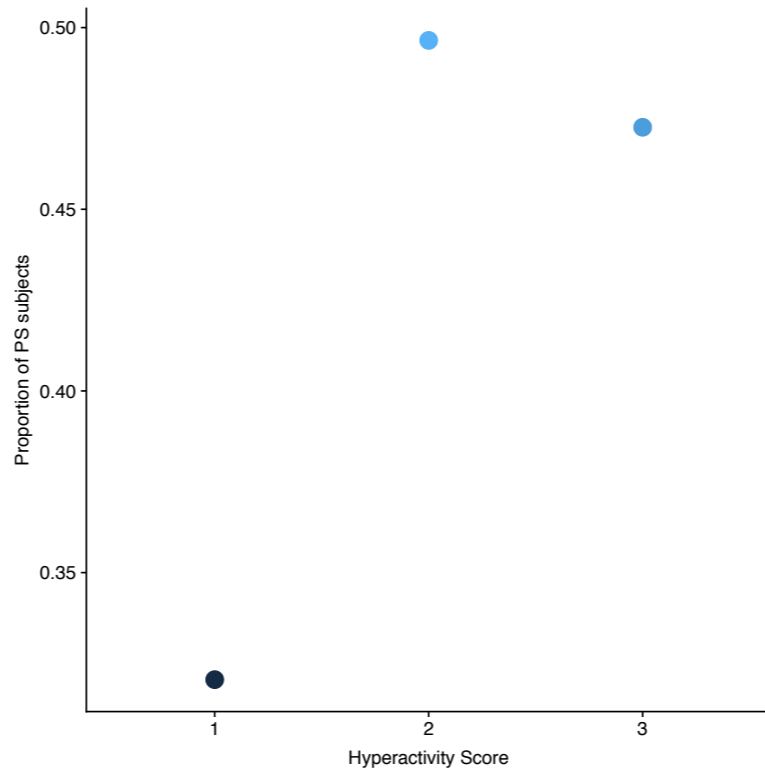
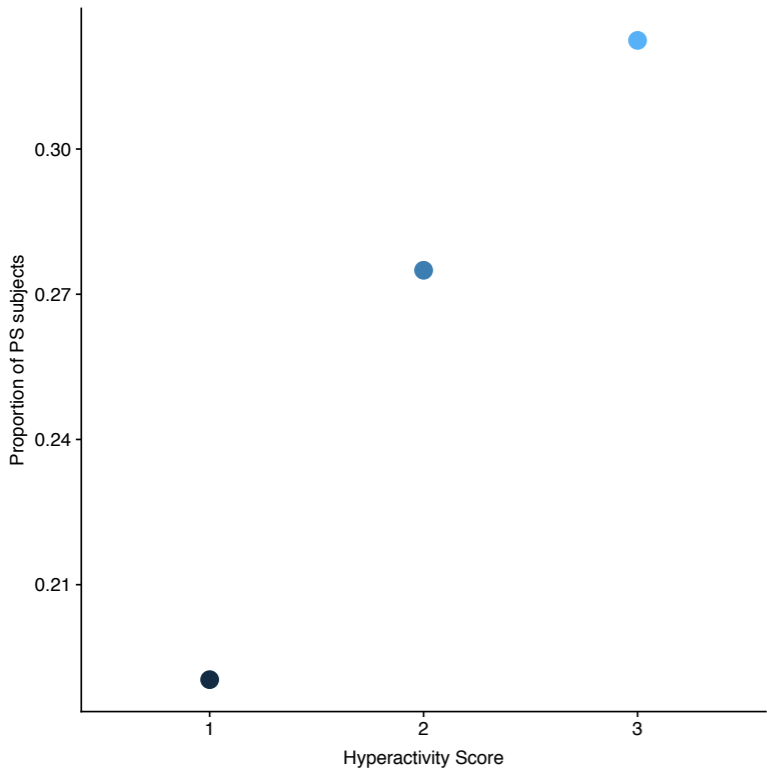
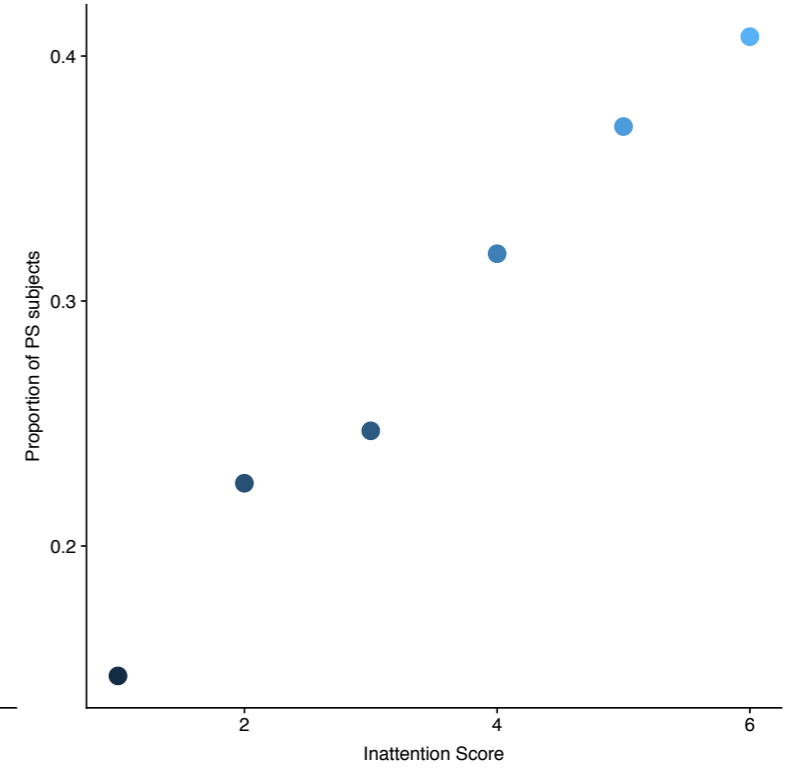
# EA



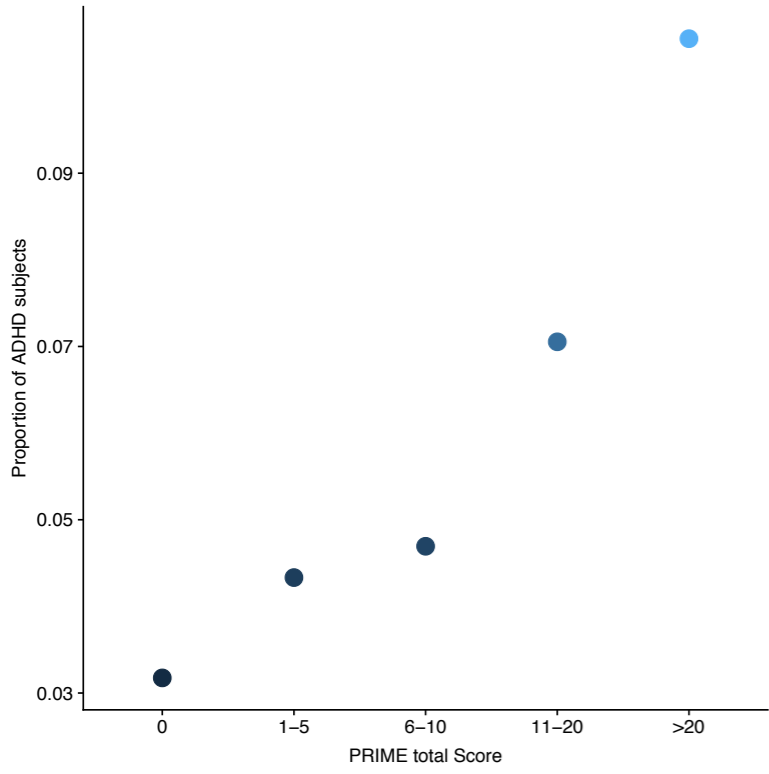
# AA



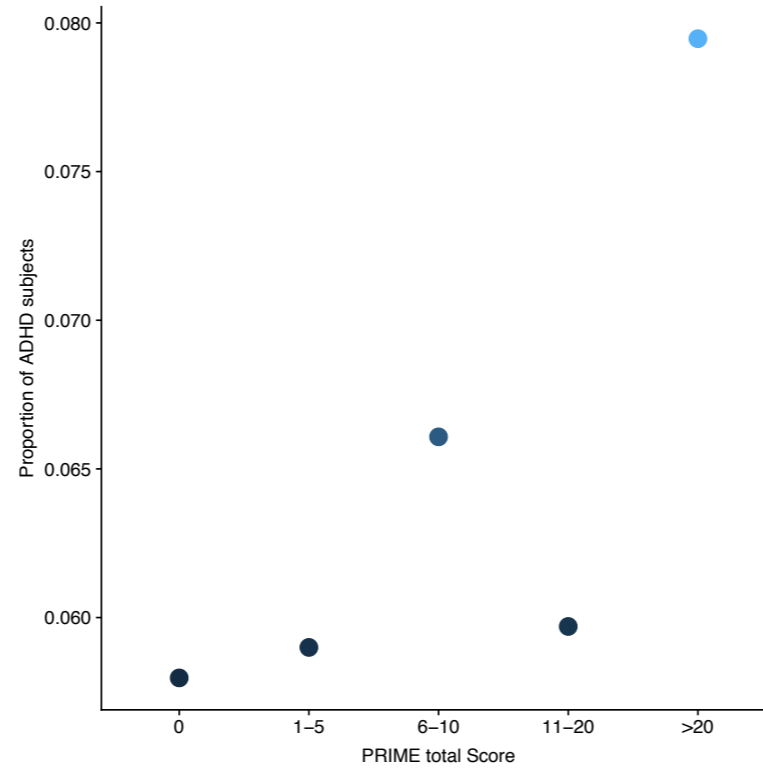
# All



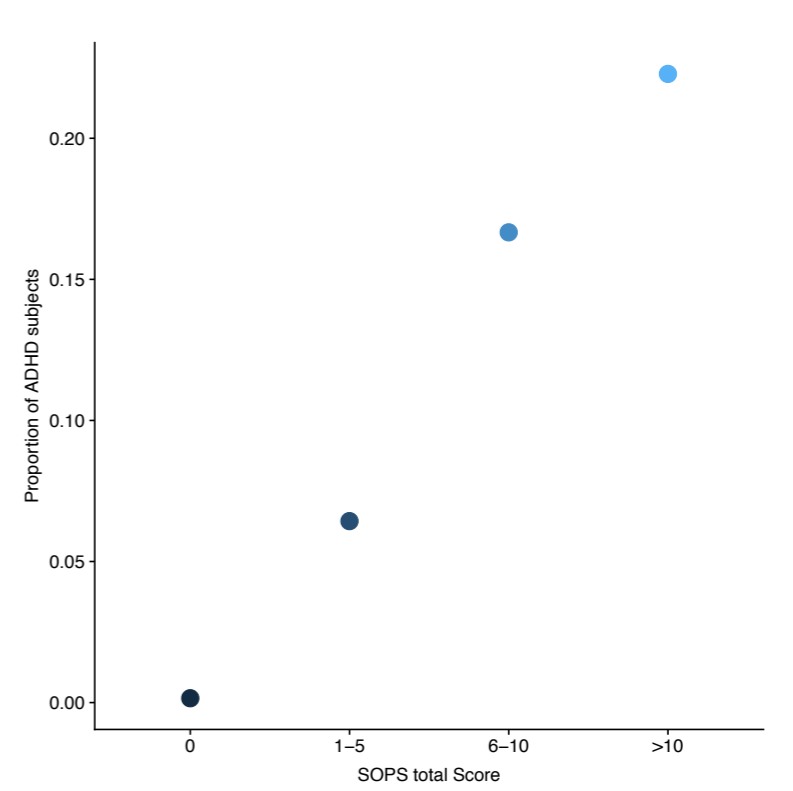
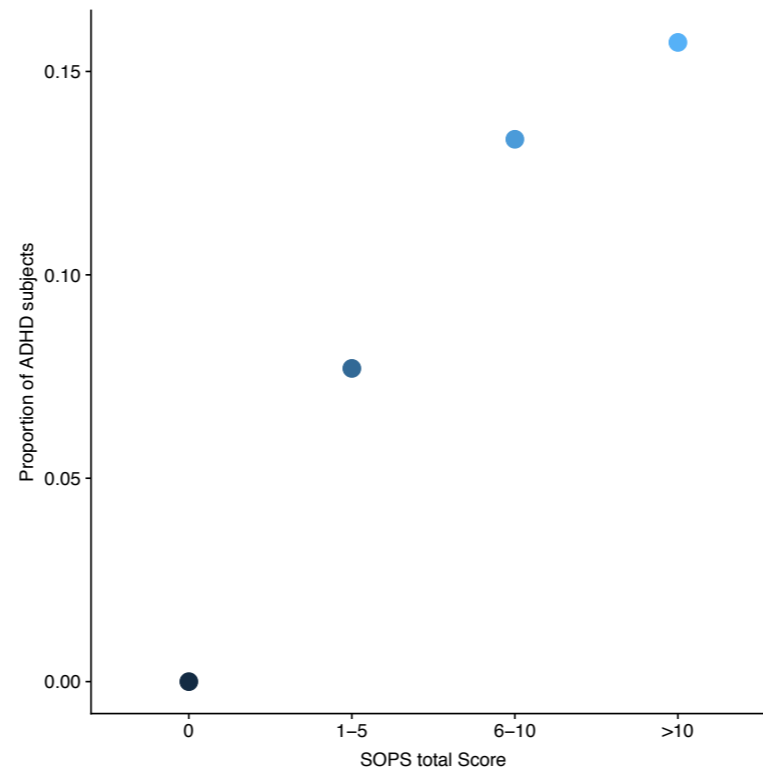
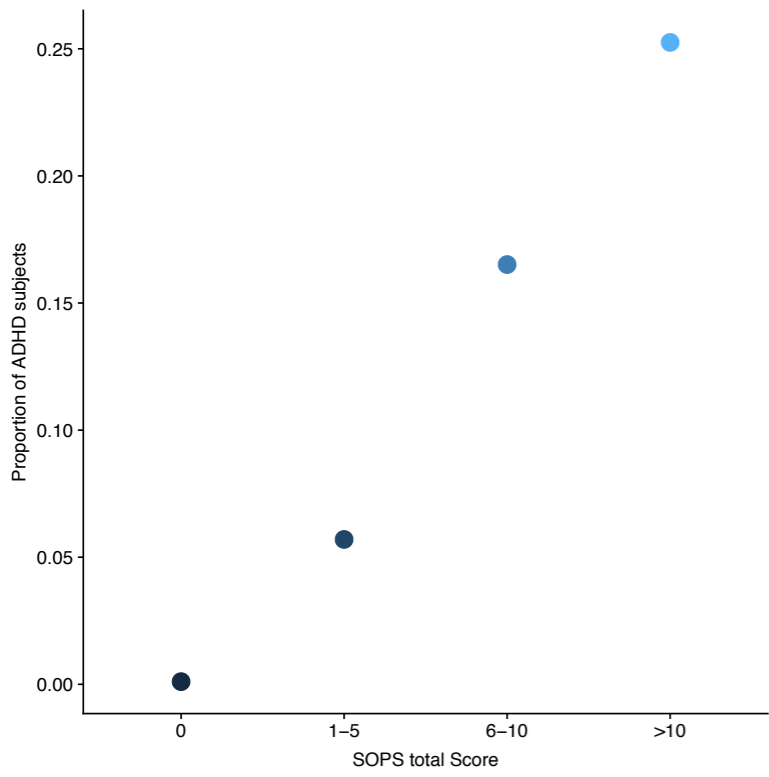
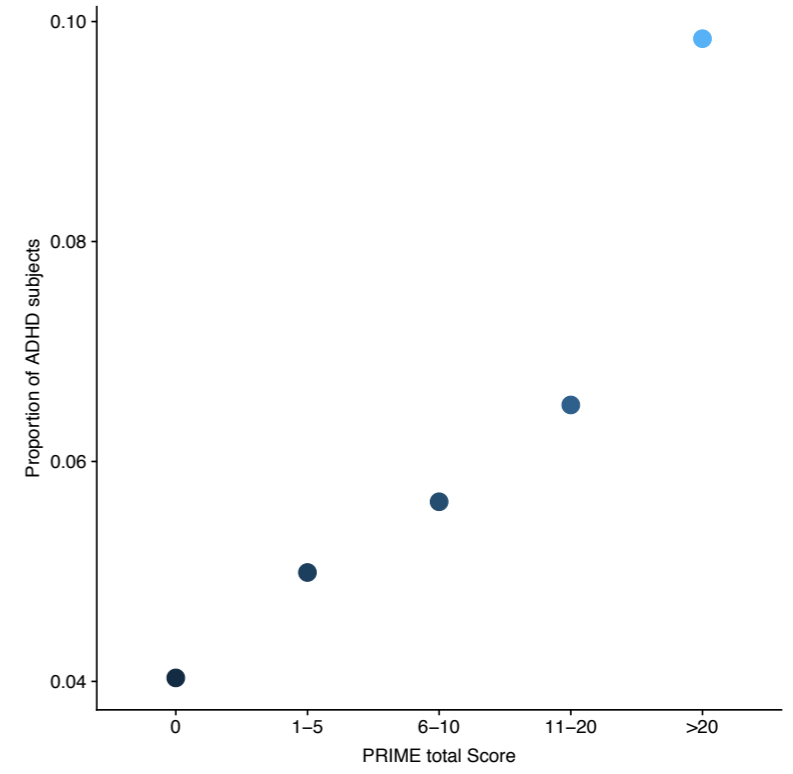
# EA

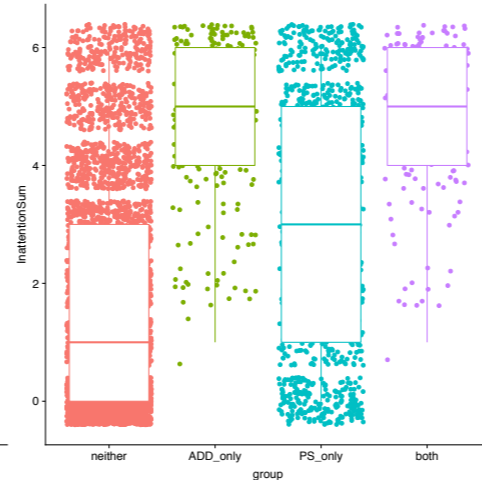
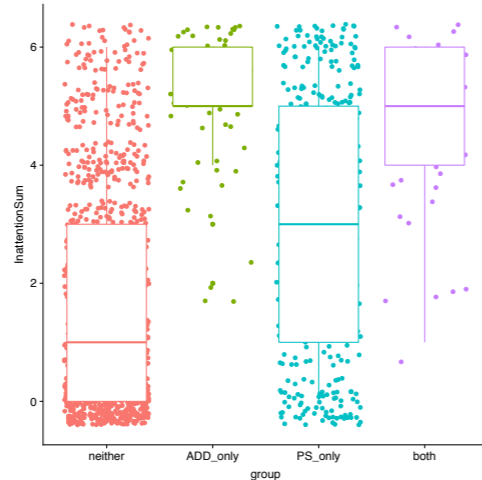
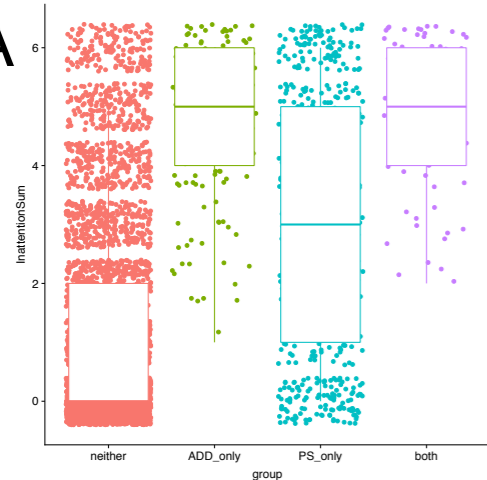
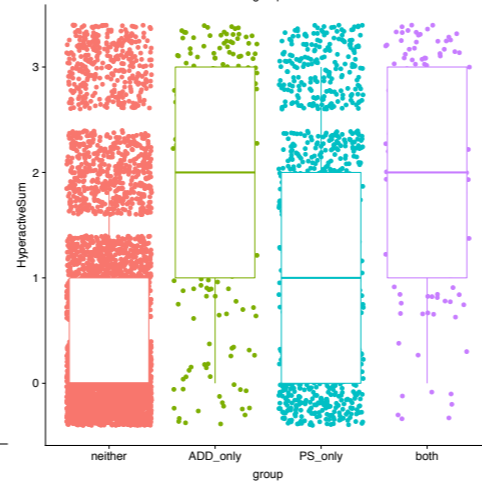
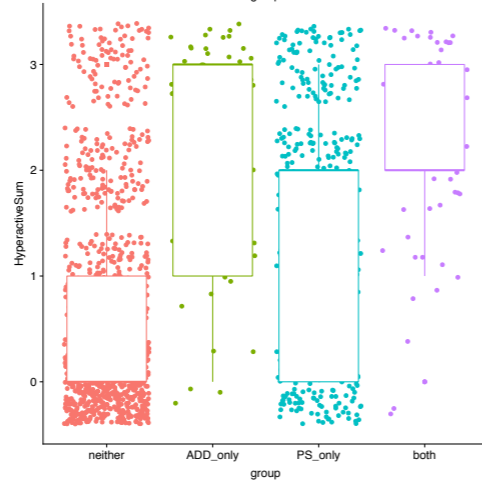
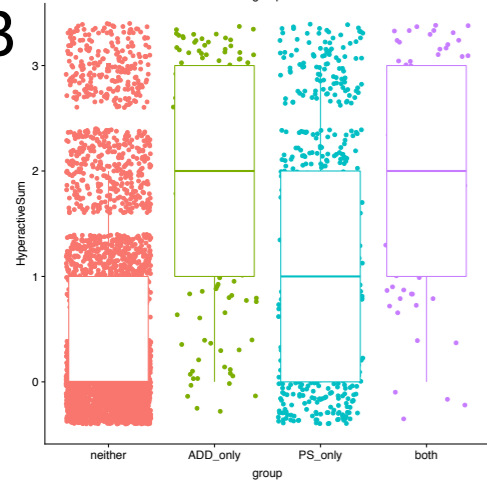
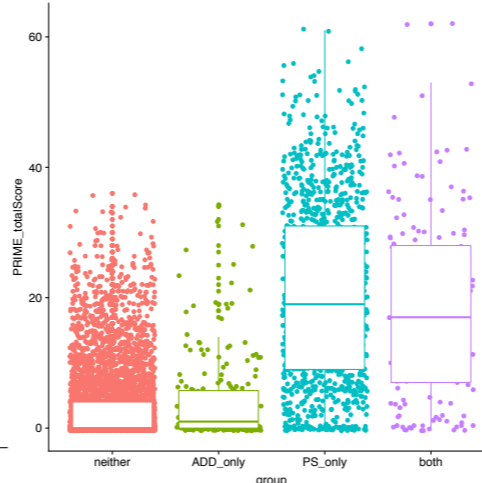
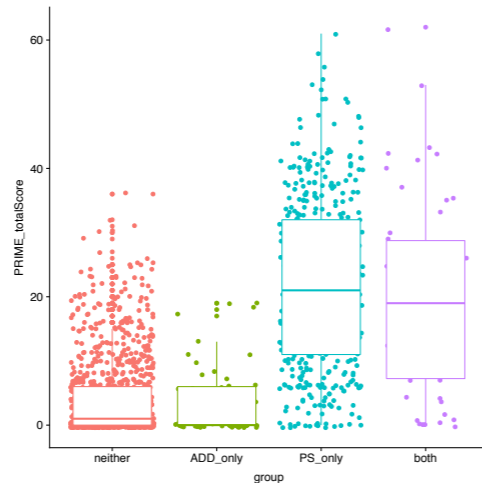
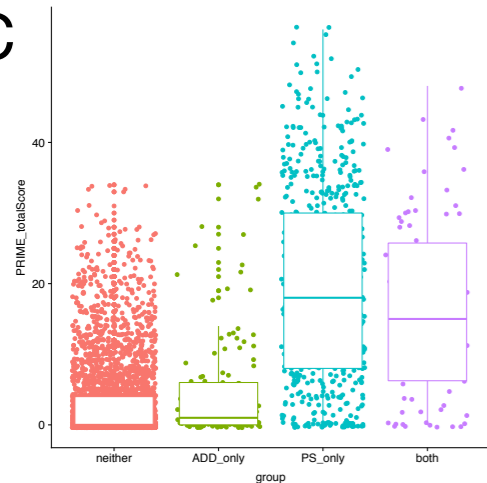


# AA



# All



**EA****AA****All****A****B****C****D**