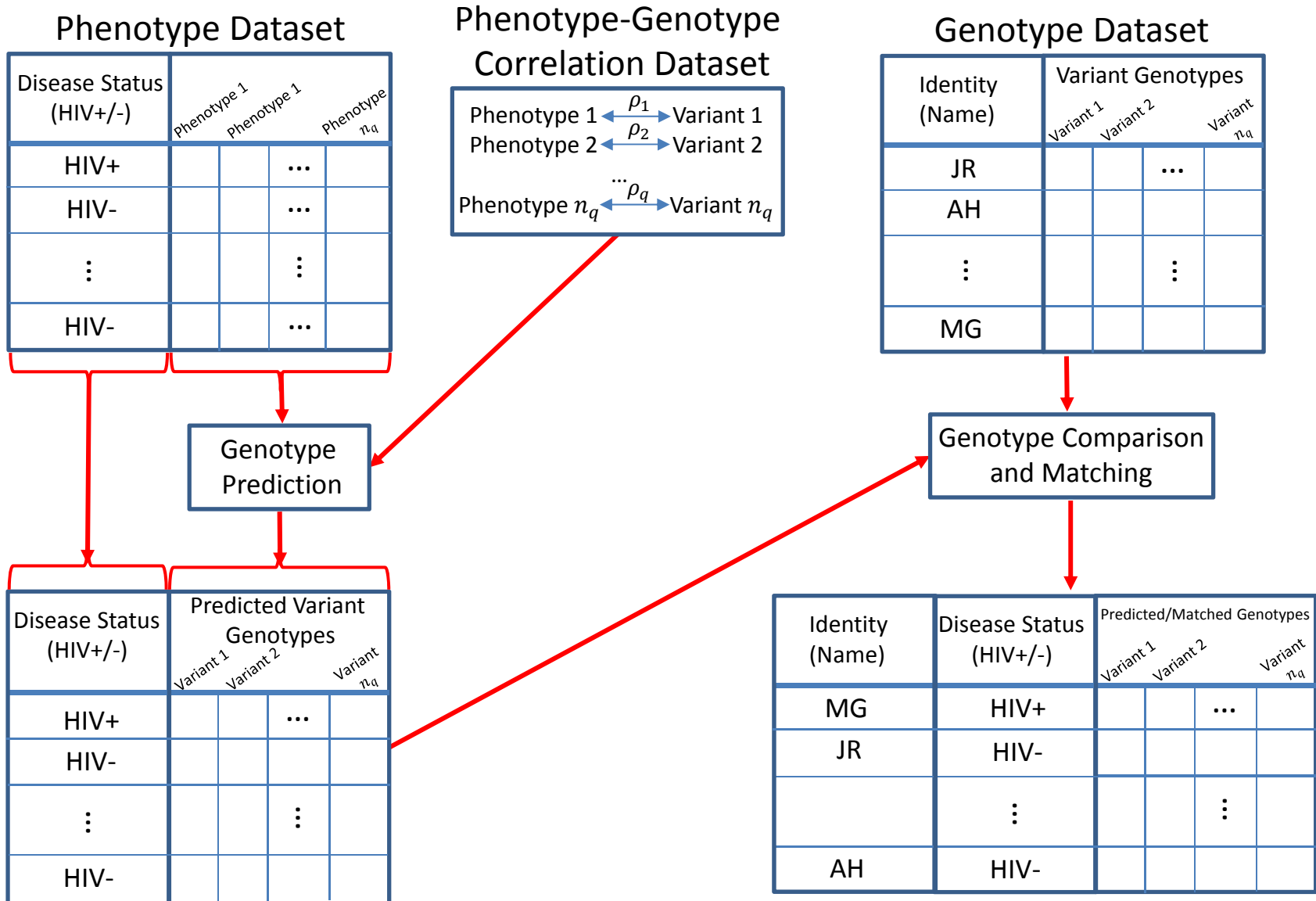


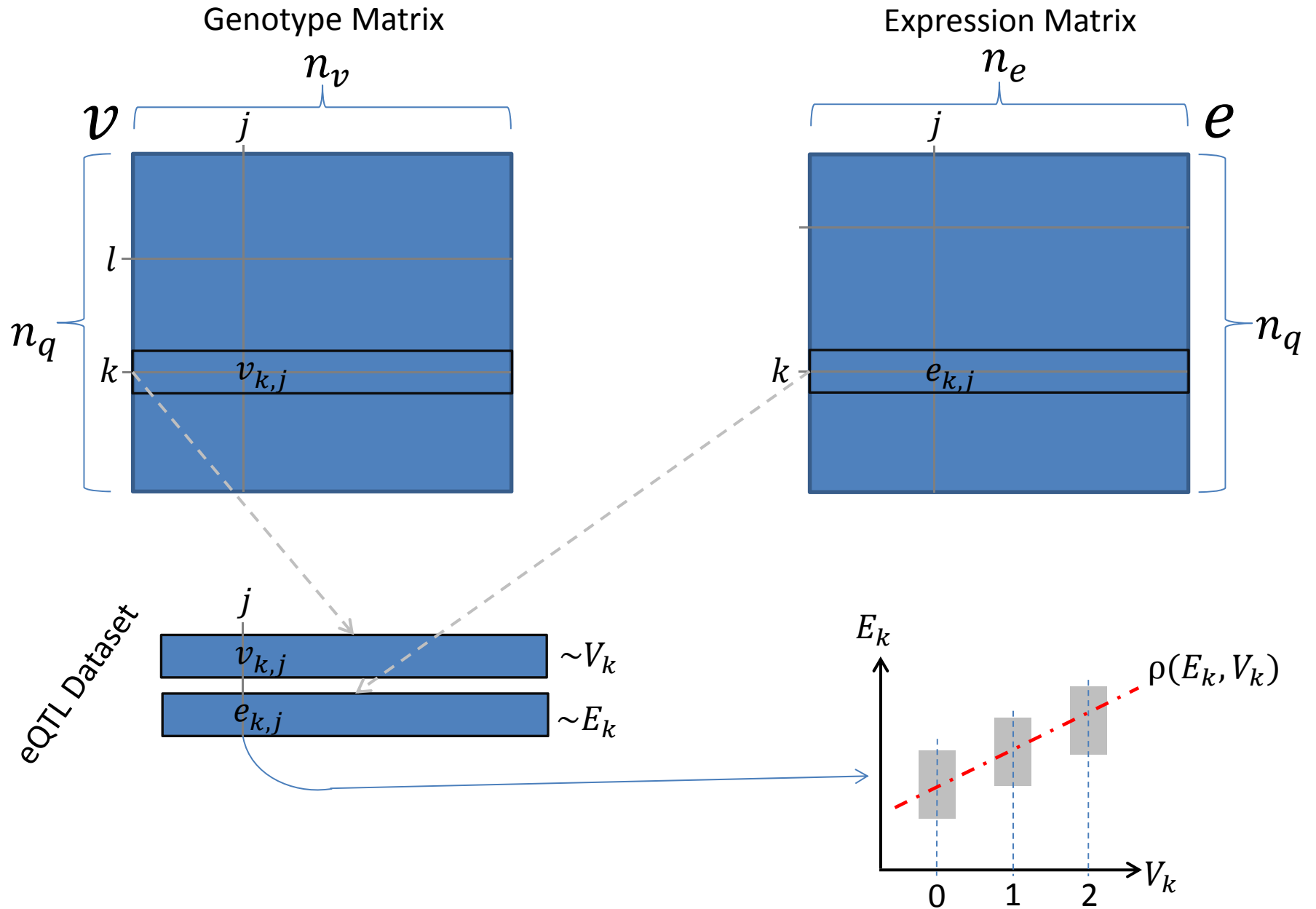
# PrivaSeq Figure Pack

May 5, 2015

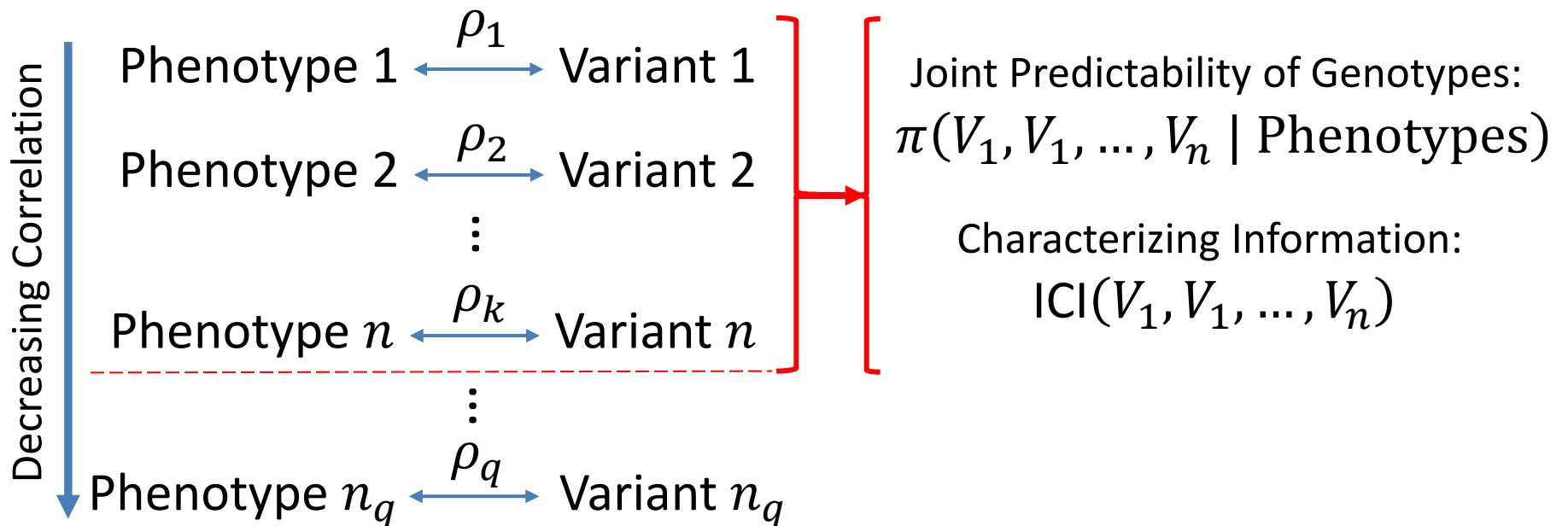
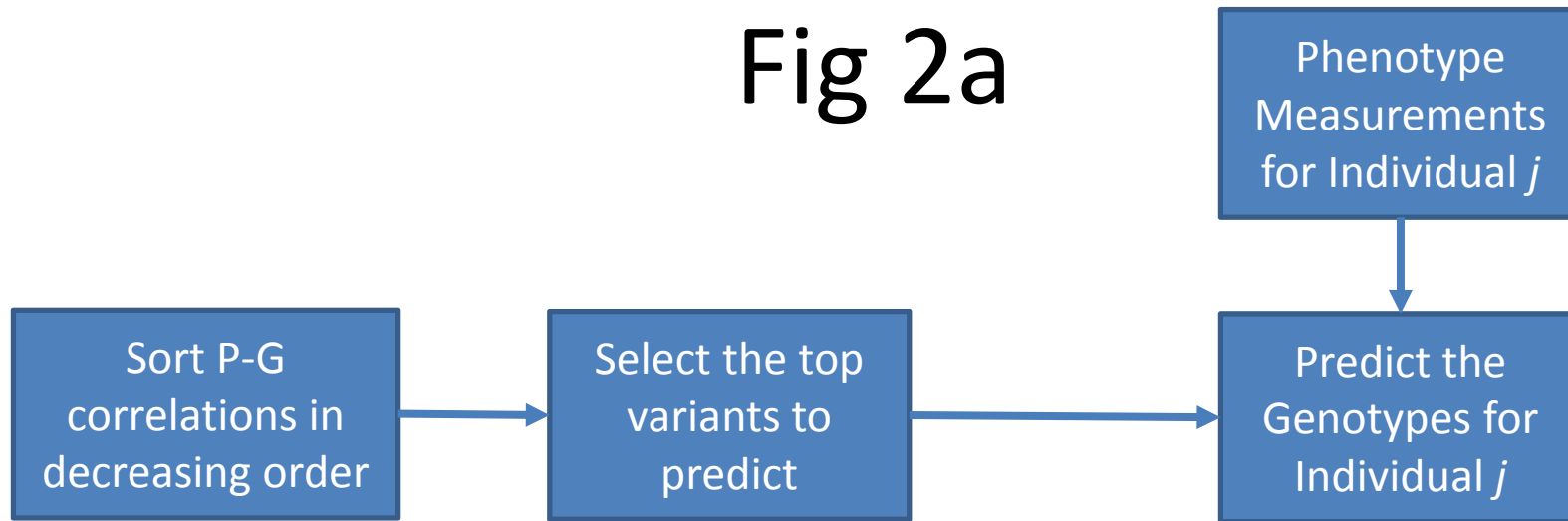
# Fig 1a: Linking Attack Scenario



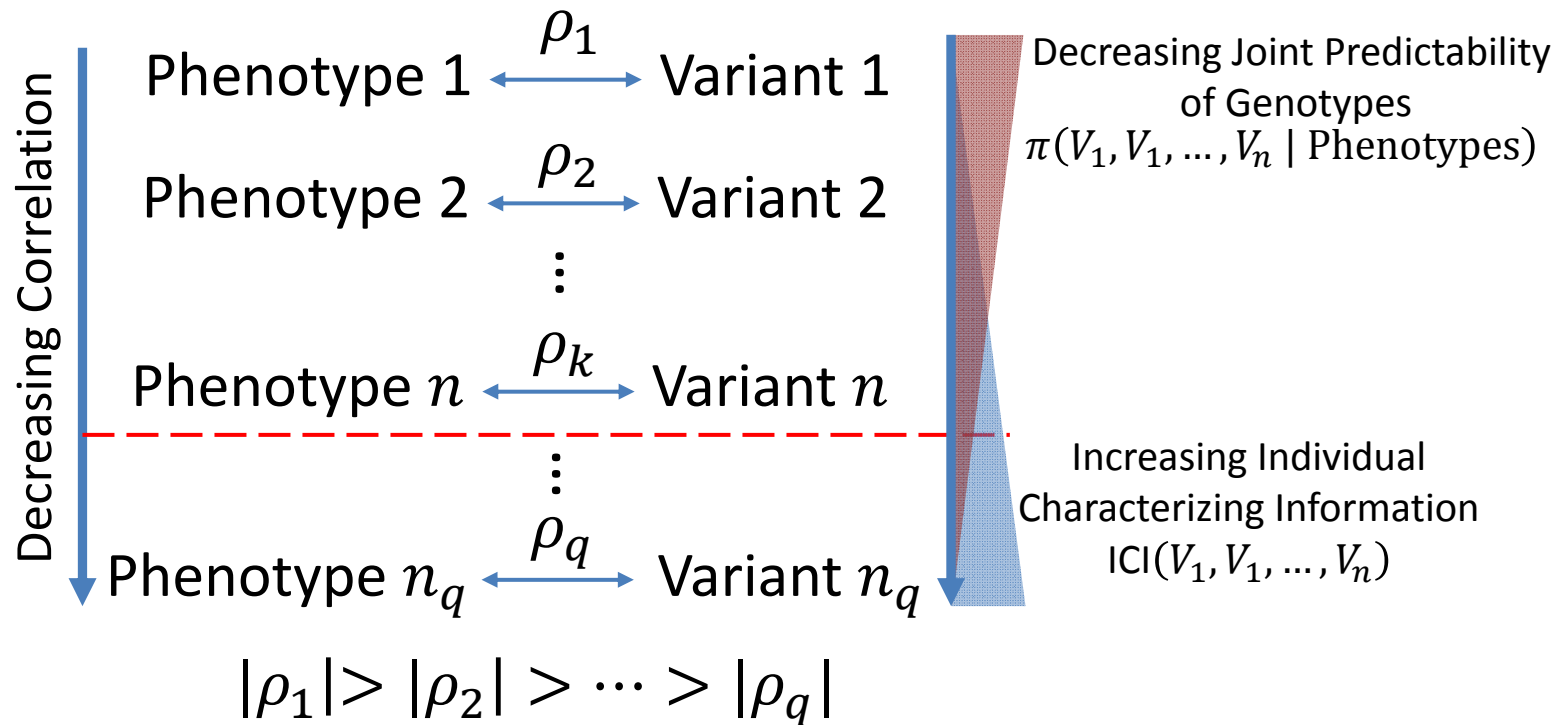
# Fig 1b: Datasets



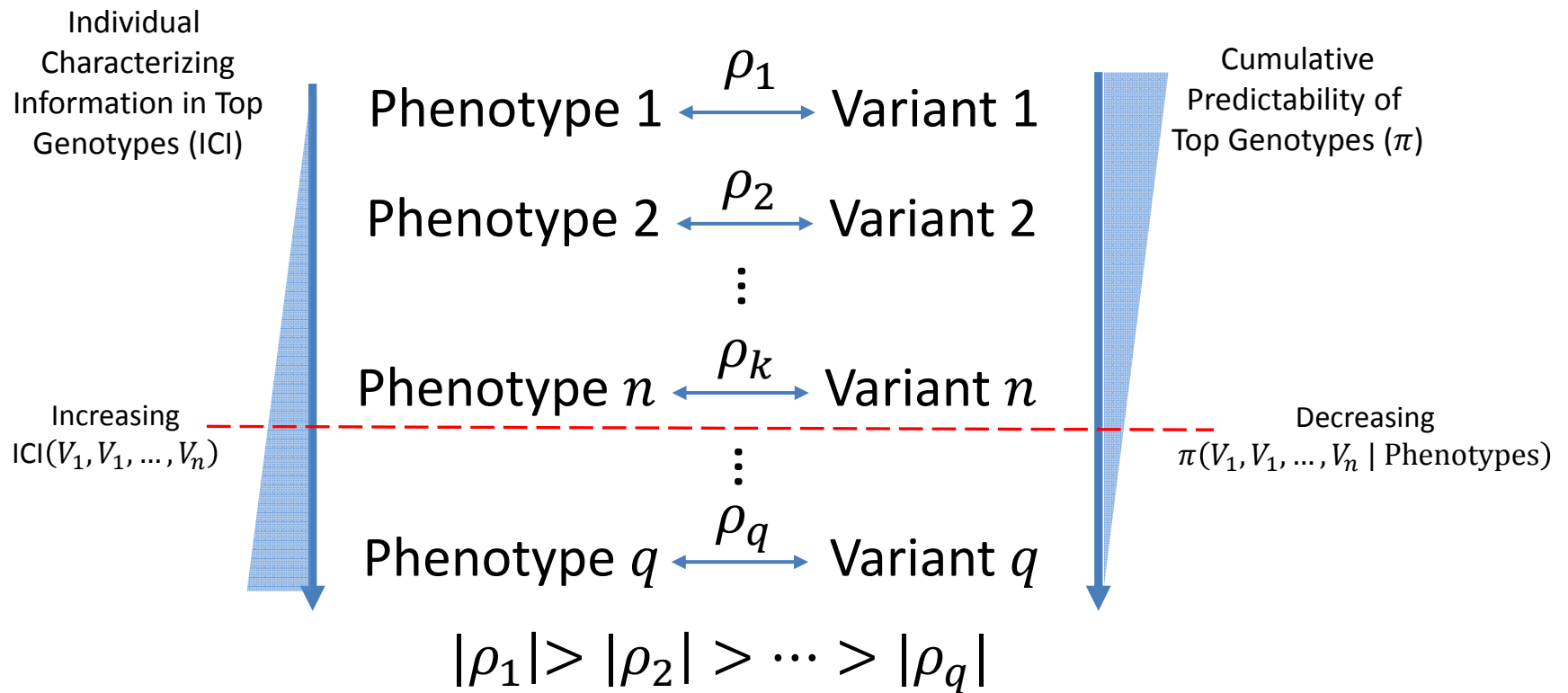
# Fig 2a



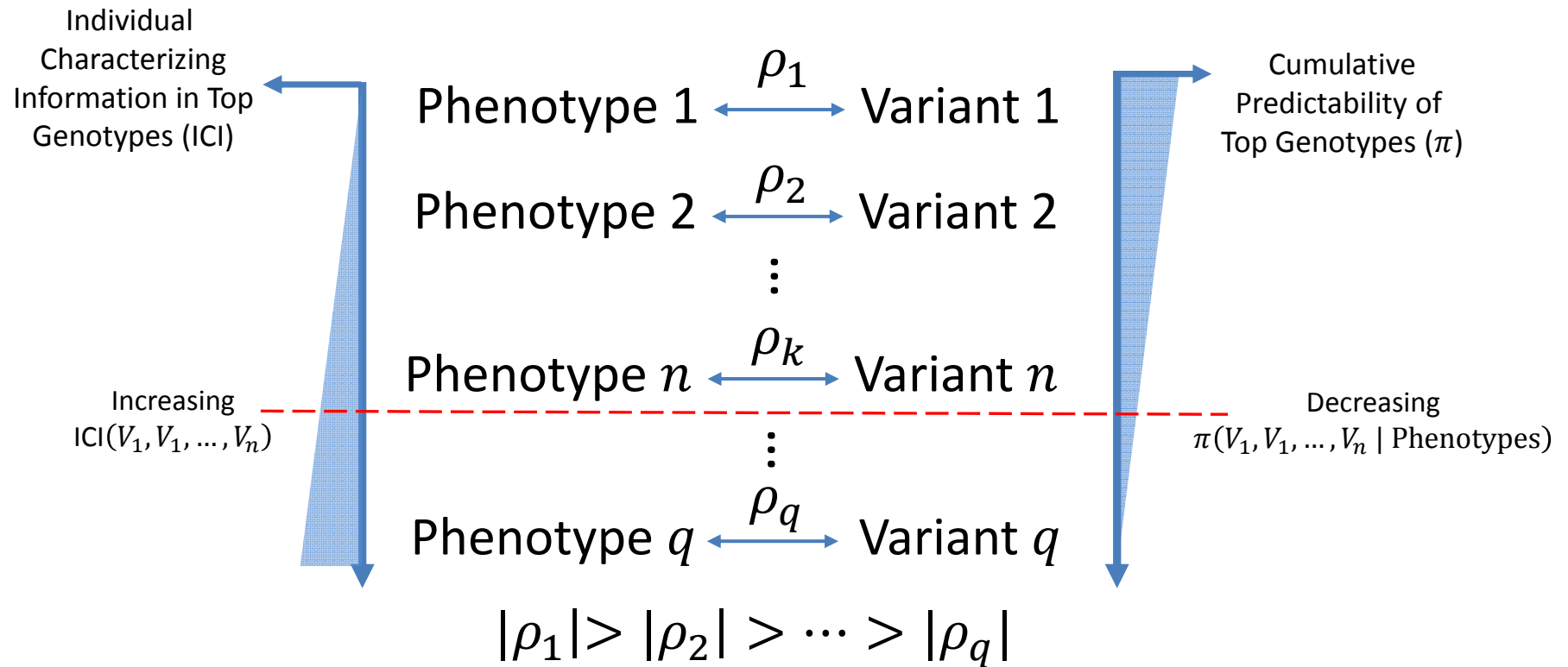
# Fig 2a



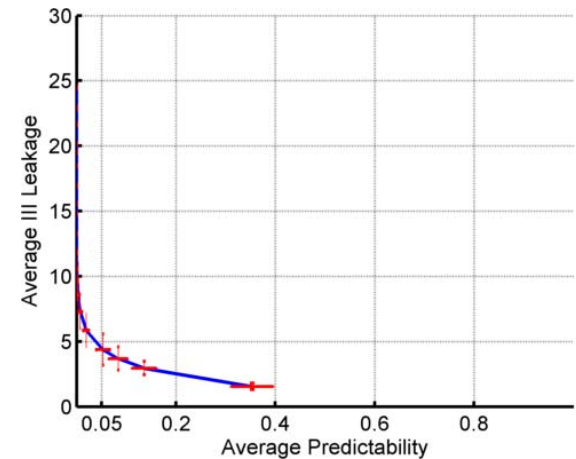
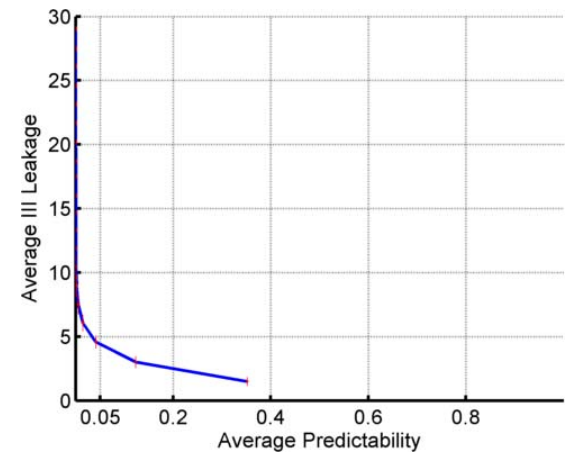
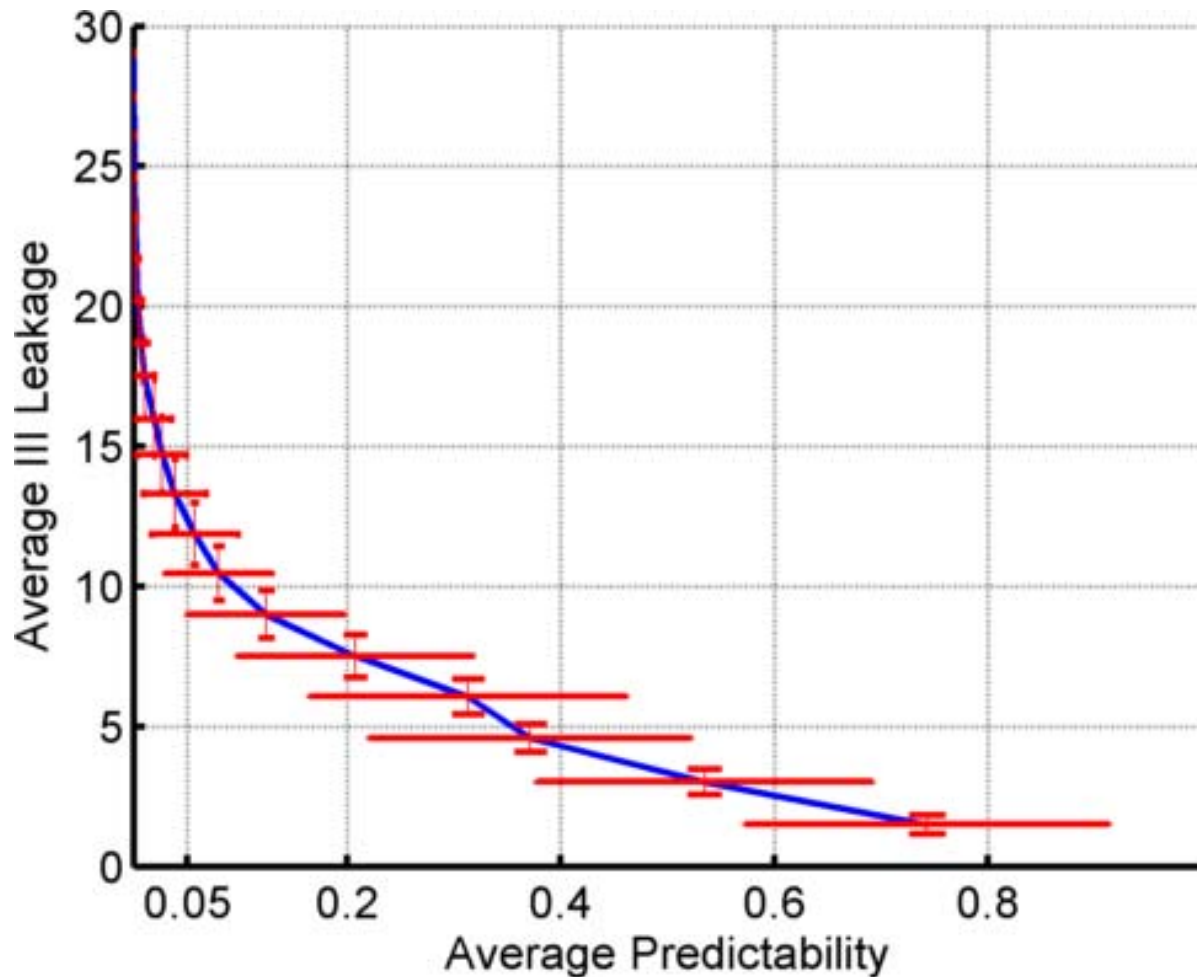
# Fig 2a



# Fig 2a

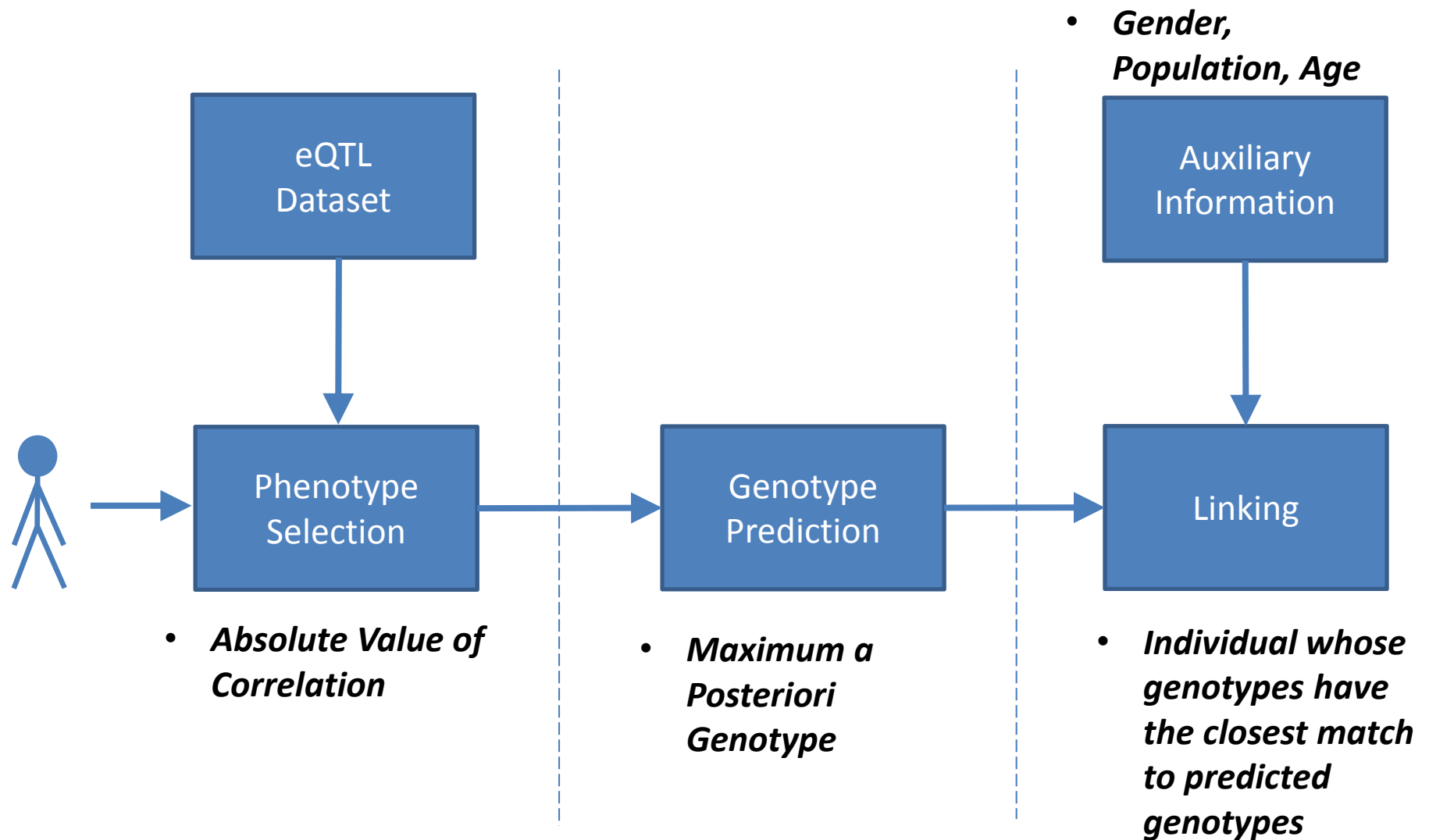


# Fig 2bcd: Predictability vs Information leakage



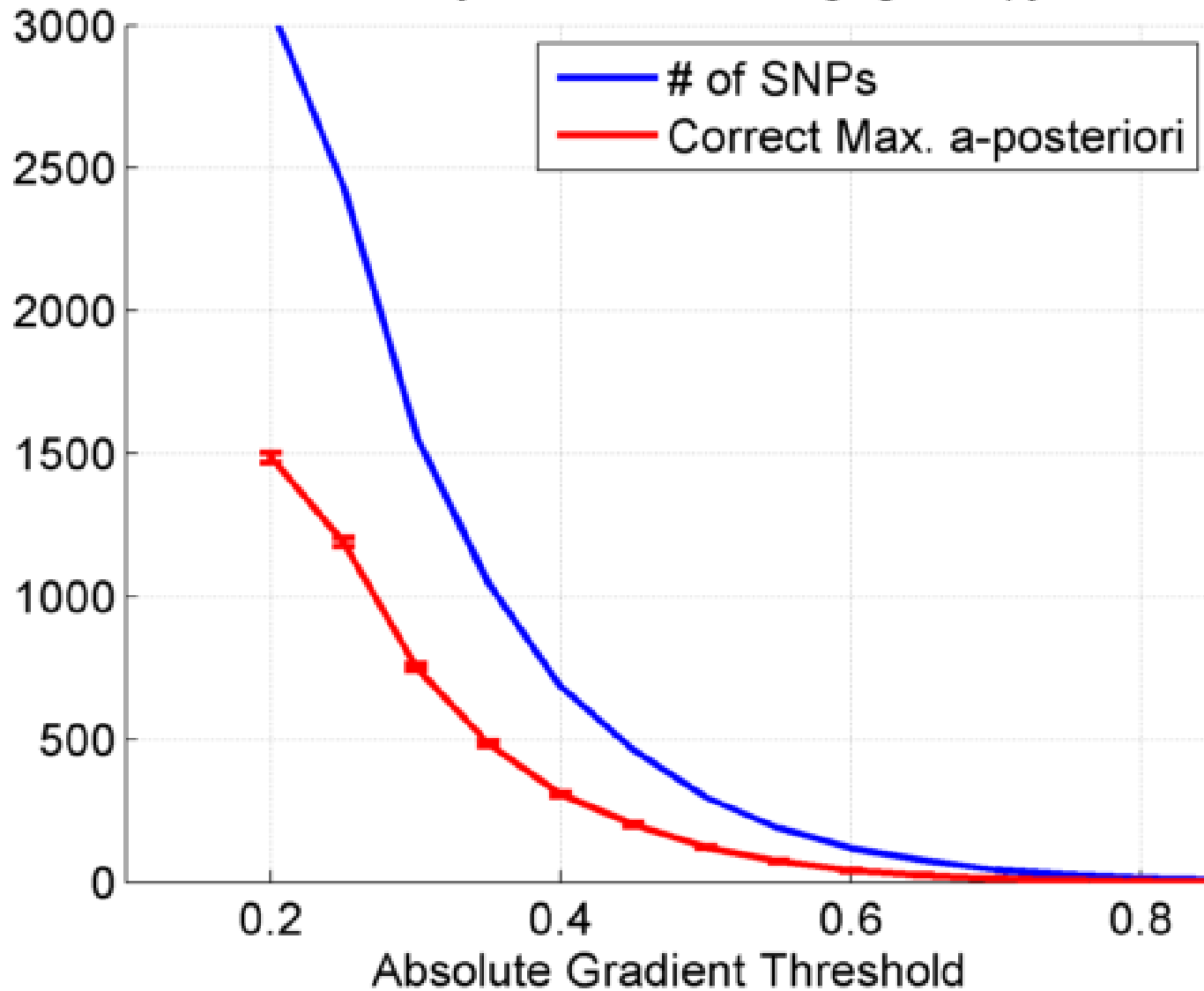


# Fig 3: 3 Steps of Linking Attack

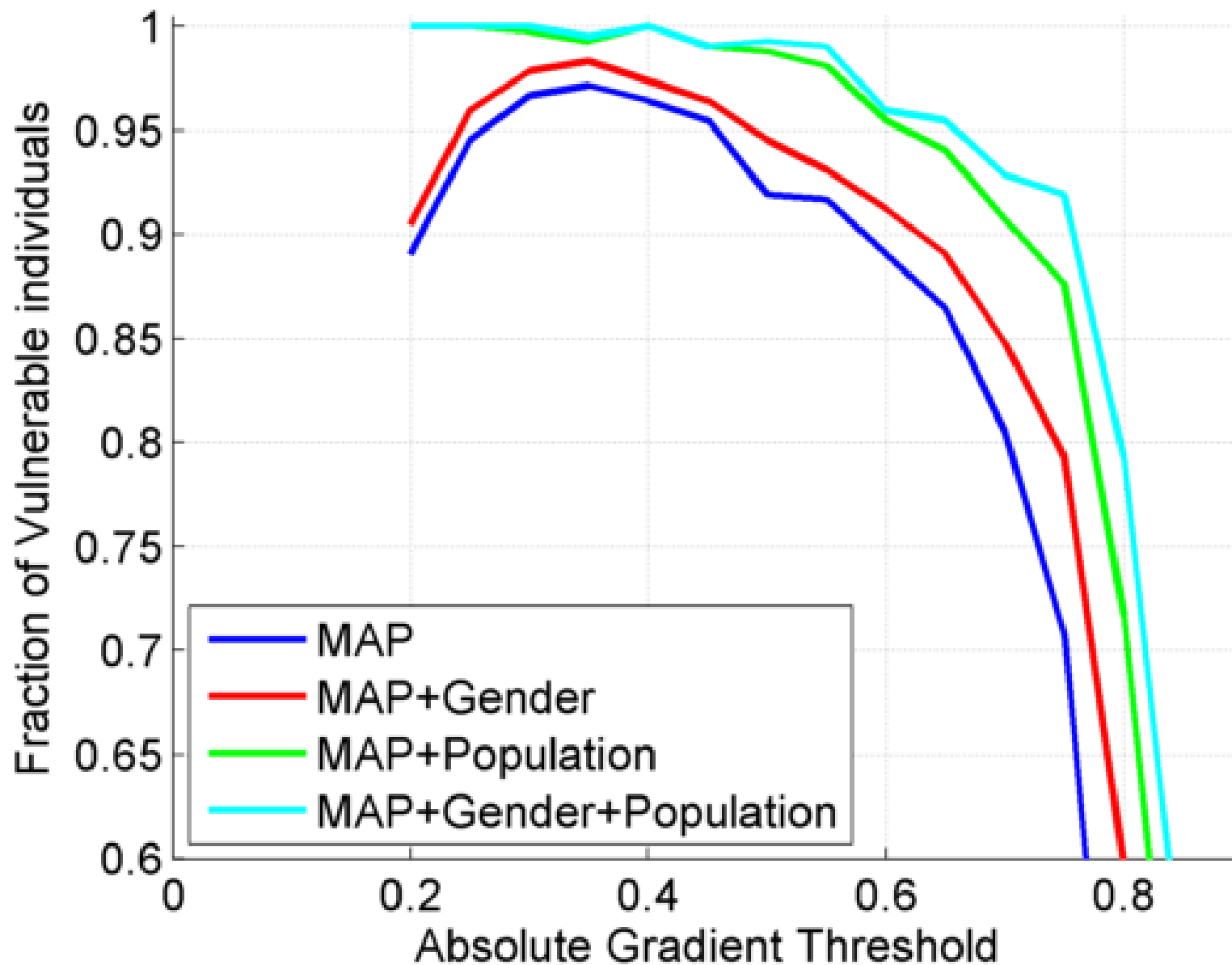


# Figure 4a: MAP Genotype Prediction Accuracy

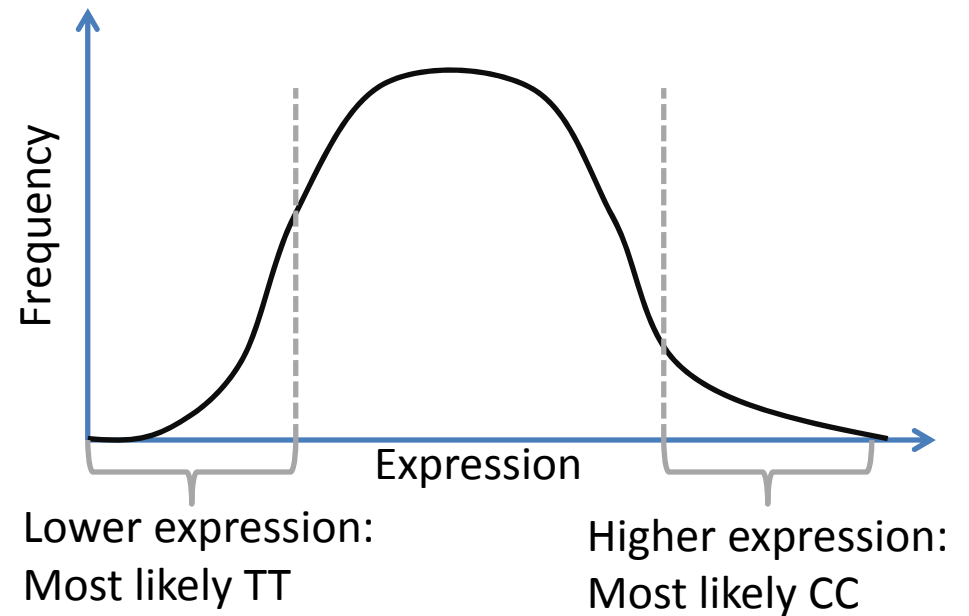
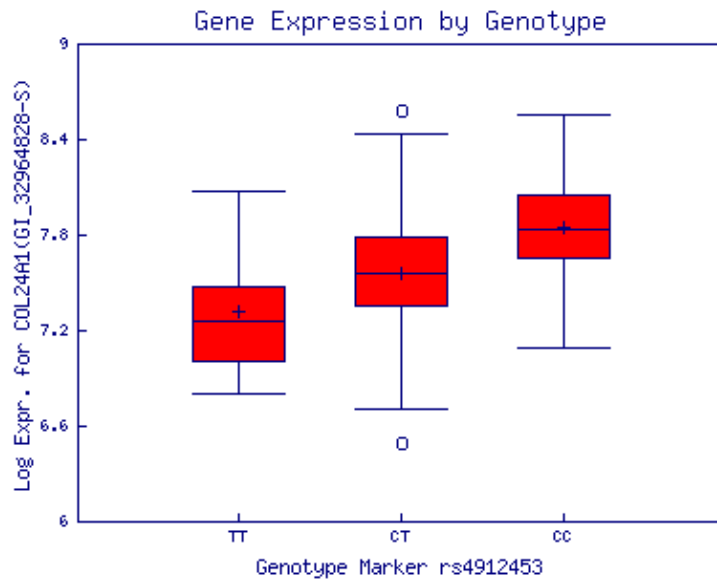
Number and accuracy of SNPs with Changing Entropy Thresholds



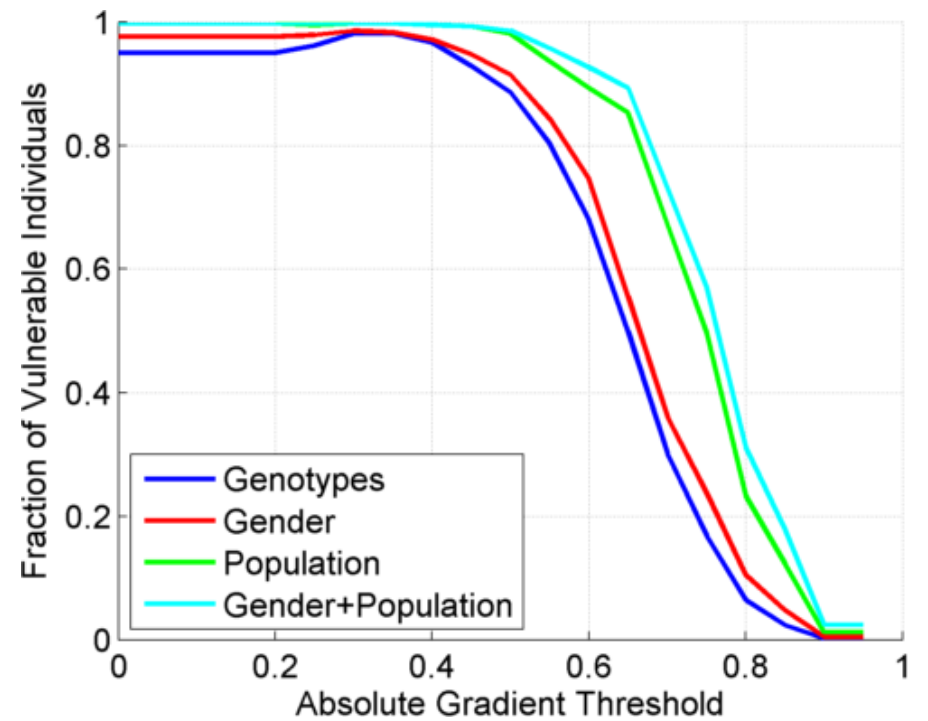
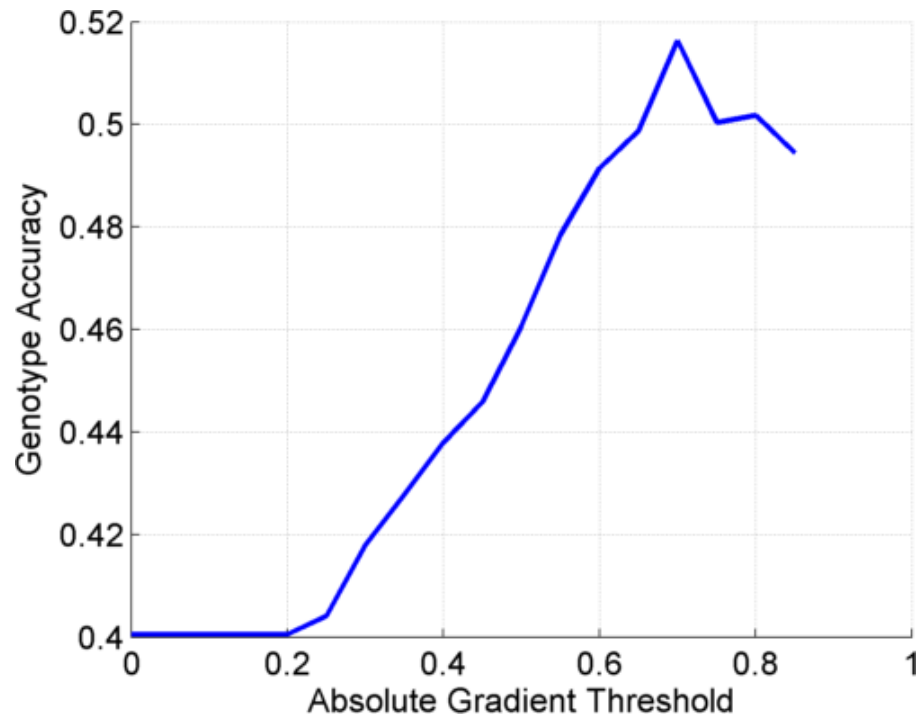
# Fig 4b: Fraction of Vulnerable Individuals



# Fig 5a: Extremity based genotype prediction

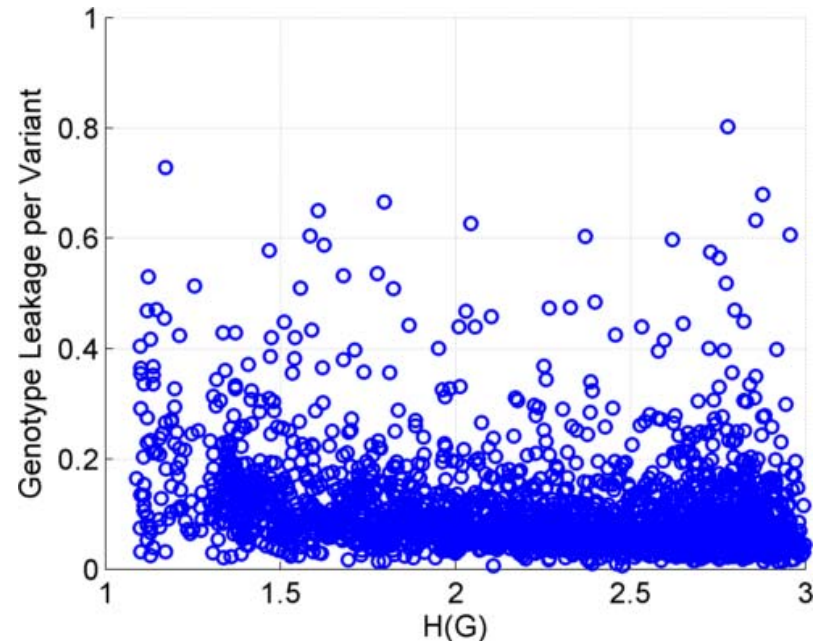
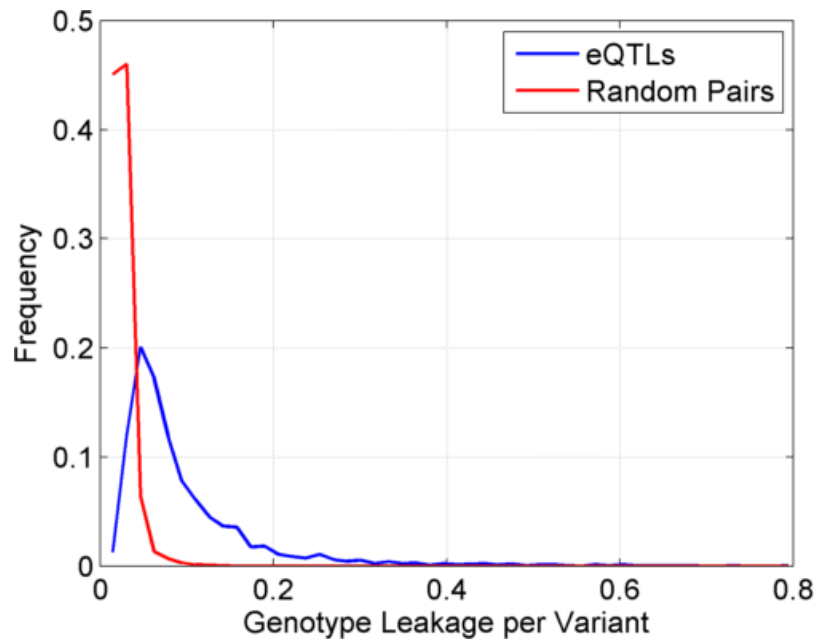
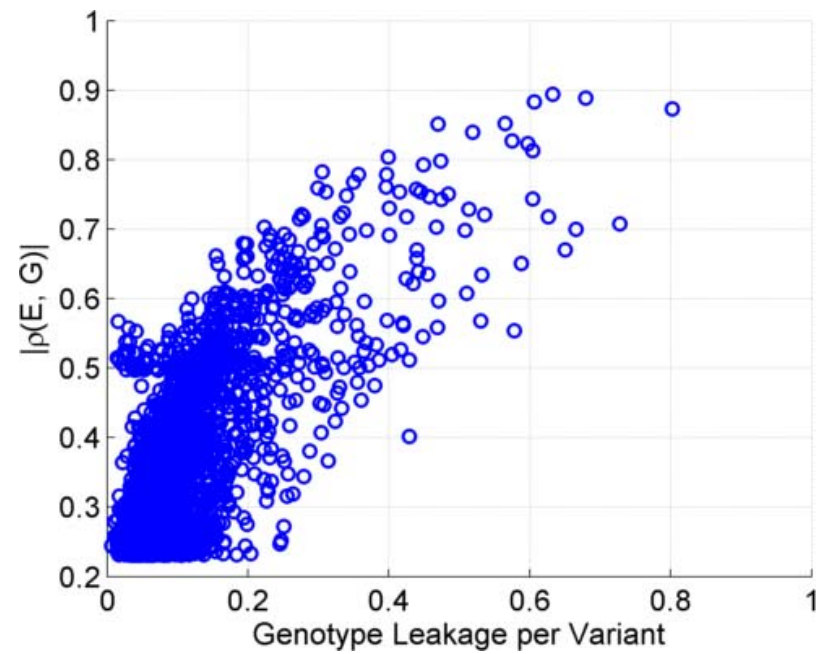
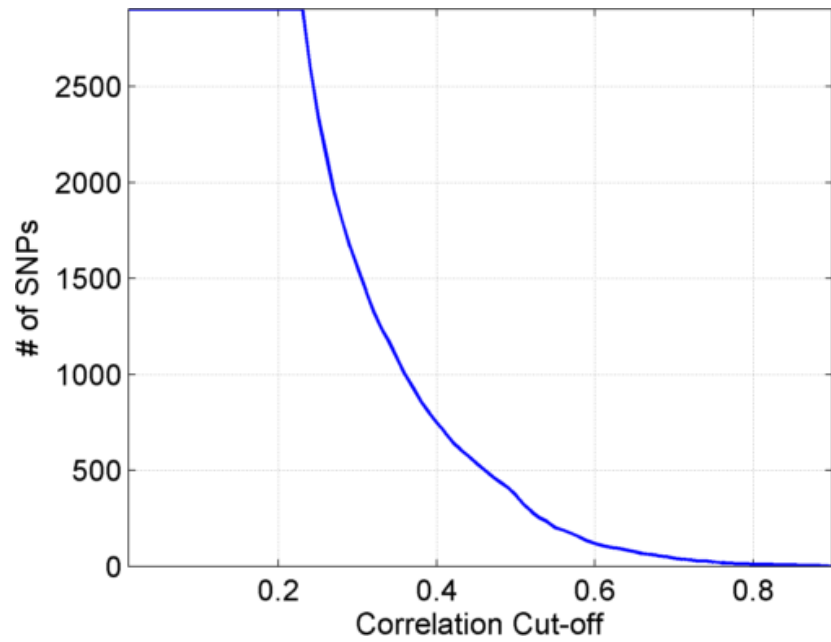


# Fig 5bc



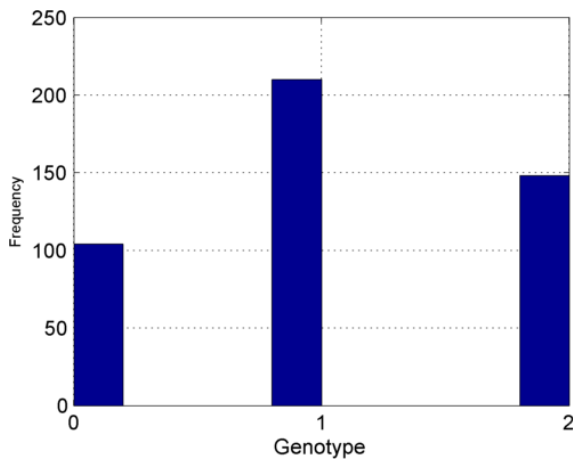
# Supplementary Figures

# Fig S1: eQTL properties

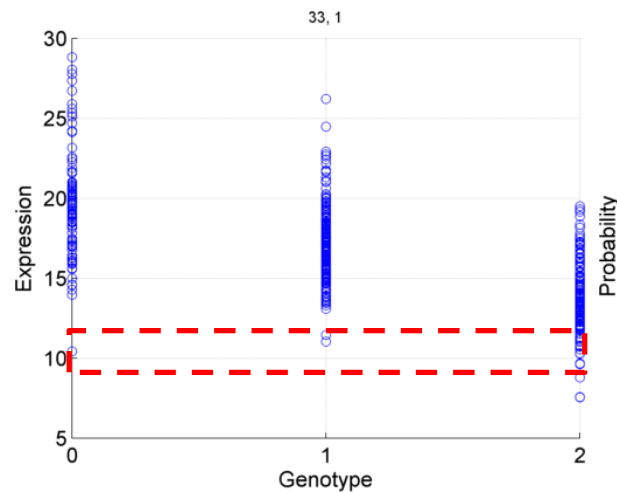


# Fig SXX: Illustration of *a priori*, *a posteriori* distributions

Prior:  $p(V_k)$

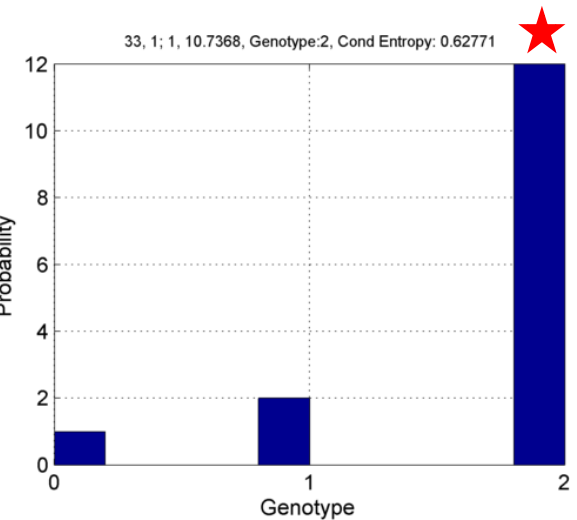


Joint:  $p(V_k, E_k)$



Posterior:

$p(V_k | E_k = 10)$

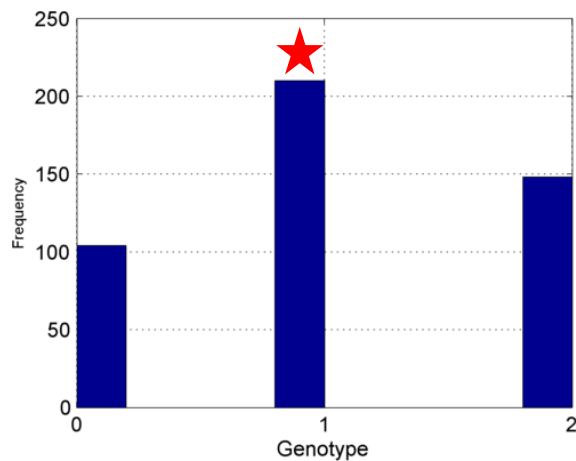


$$v'_{k,j} = 2$$



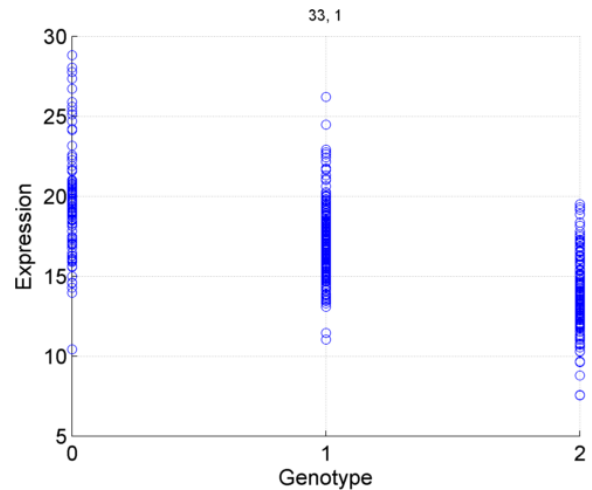
# Figure SXX: Genotype Prediction

Prior:  $p(V_k)$

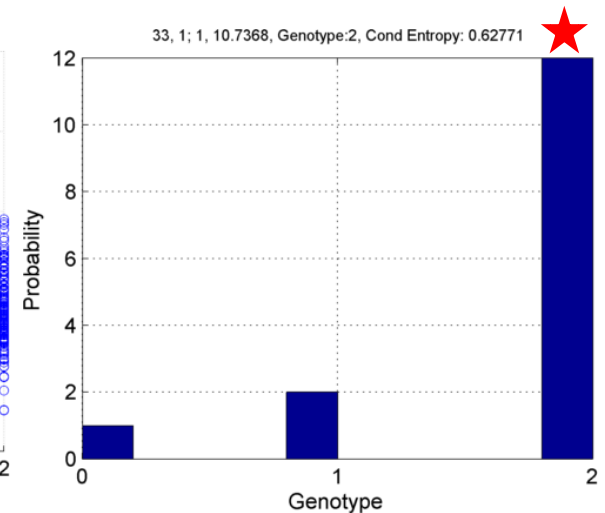


$$v'_{k,j} = 1$$

Joint:  $p(V_k, E_k)$



Conditional (Posterior):  
 $p(V_k | E_k = e_k = 10)$



$$v'_{k,j} = 2$$

# Figure SXX

Distribution of Assigned Ranks per Individual

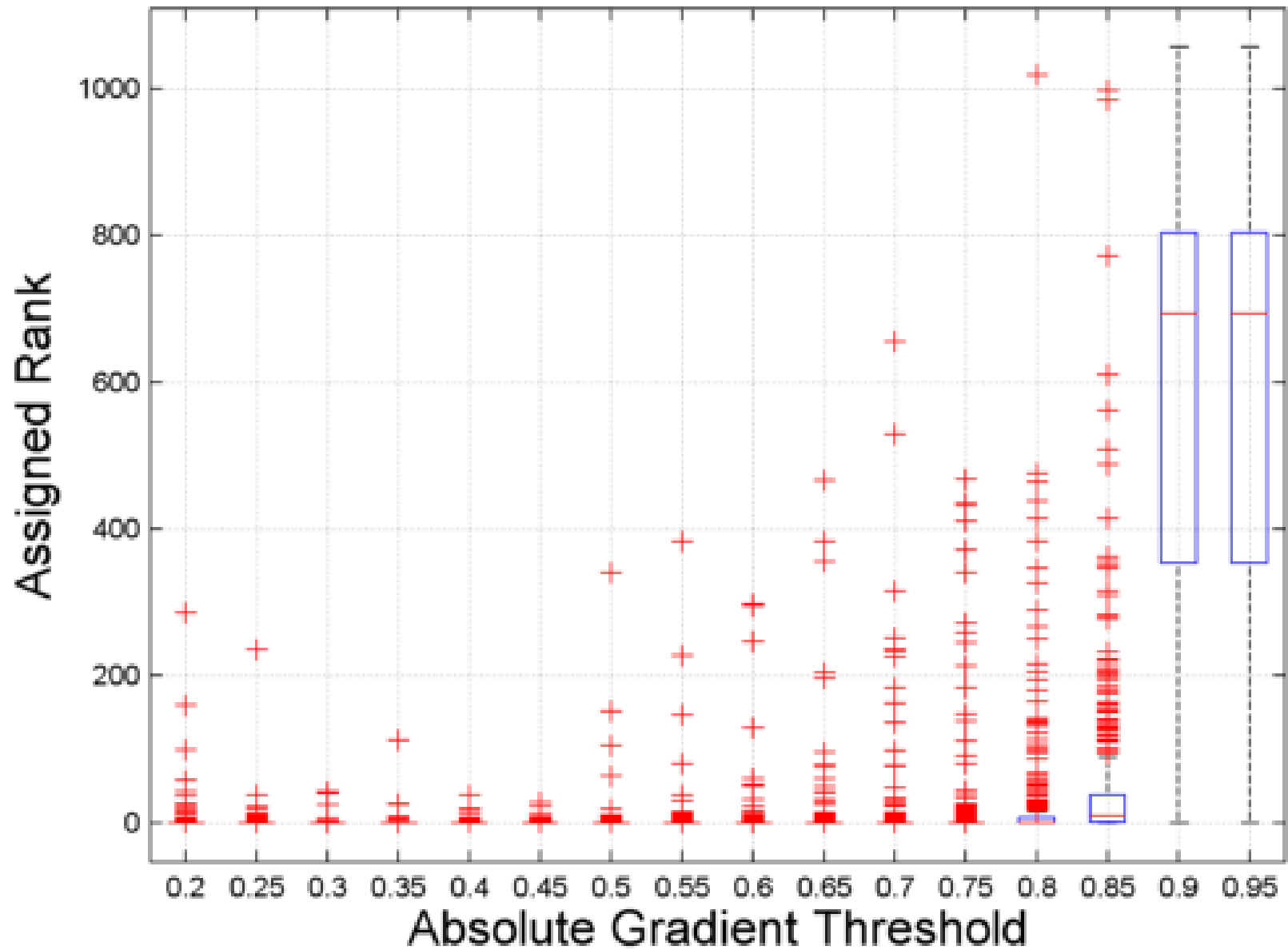


Fig SXX

