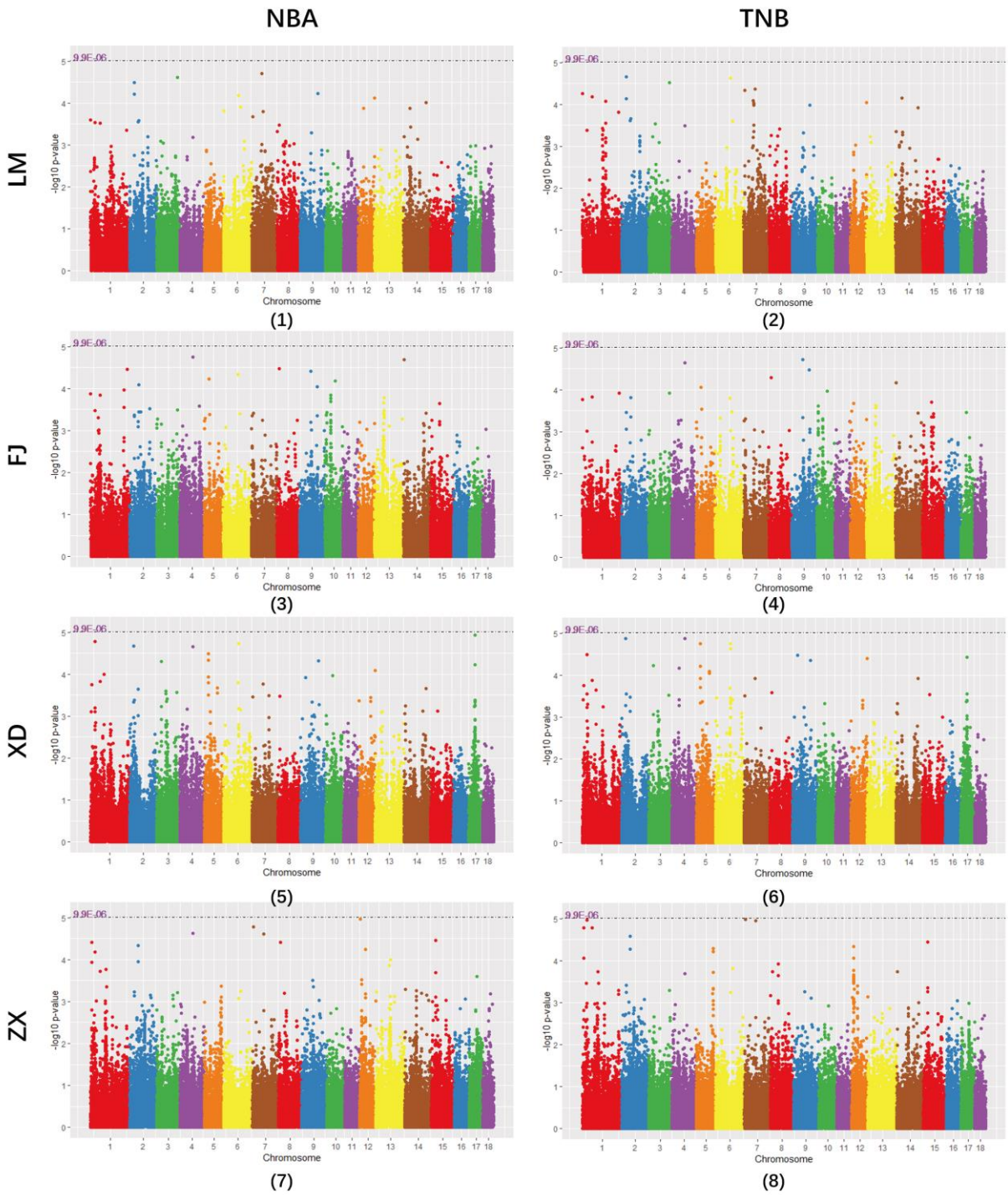
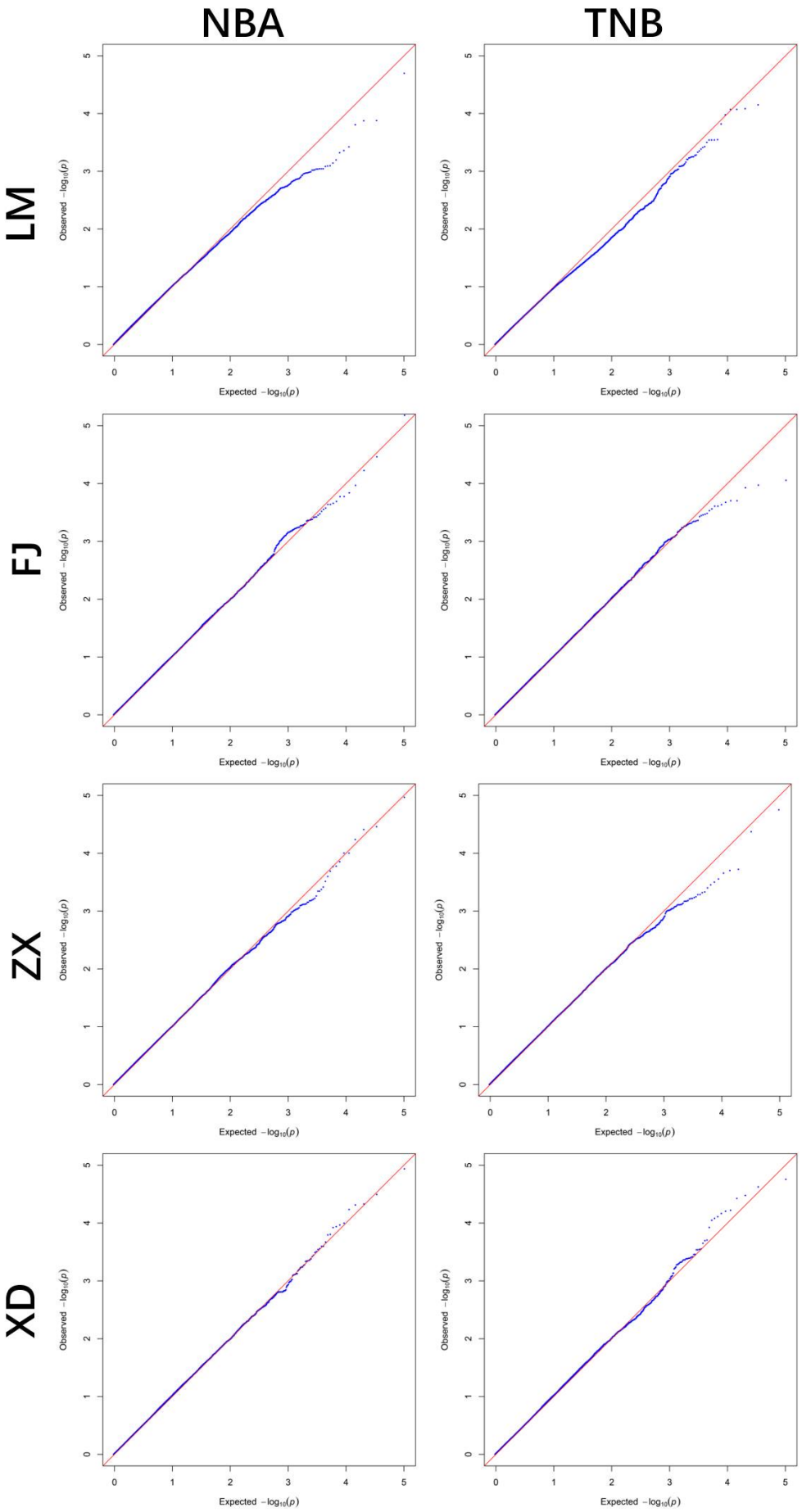


Supplemental Figure S1. Manhattan plot of single trait GWAS for TNB and NBA in four populations. The *x*-axis represents the chromosomes and the *y*-axis represents the $-\log_{10}$(p-value). The dotted line indicates the significance threshold of genome-wide level for GWAS

TNB, total number born; NBA number born alive.


NBA
TNB
LM
FJ
ZX
XD
Observed $-\log_{10}(p)$
Expected $-\log_{10}(p)$

Supplemental Figure S2. Q-Q plots of NBA and TNB in four populations. The *x*-axis and the *y*-axis represent the expected and observed $-\log_{10}$(p-value). TNB, total number born; NBA number born alive.