## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Tissue abbreviations used in the manuscript.

File Name: Supplementary Data 2

Description: The percentage of genes with an excess allelic imbalance after accounting for known

eQTLs for each GTEx individual shown in Fig.4A.

File Name: Supplementary Data 3

Description: Sample size and median number of genes among samples analyzed in Fig.4B.

File Name: Supplementary Data 4

Description: The percentage of genes with an excess allelic imbalance by self-reported ancestry

after accounting for known eQTLs for each GTEx individual shown in Fig.5A.

File Name: Supplementary Data 5

Description: Sample size and median number of genes among samples analyzed in Fig.5B.

File Name: Supplementary Data 6

Description: Sample size and median number of genes among samples analyzed in Fig.5C.