trans eQTLs Chr 10 Gene Hotspot Principal Components (Interactive Covariate = Sex) 5 0 PC1 -5 -10 -15 5 0 Sex value PC2 -5 -10 -15 5 0 -5 -10 -15 12 18 6 Age

trans eQTLs Chr 11 Gene Hotspot Principal Components (Interactive Covariate = Sex) 5 0 -PC1 -5 -10 -15· 5 Sex PC2 -5 -10 -15 5 -5 -10 -15

12

Age

6

18

value

trans eQTLs Chr 17 Gene Hotspot Principal Components (Interactive Covariate = Sex) 5 0 -5 -10 5 Sex 0 -5 -10 5 -5 -10

12

Age

6

18

value

trans eQTLs Chr 19 Gene Hotspot Principal Components (Interactive Covariate = Sex) 5 PC1 -5 -10 0 Sex -5 -10 5 0 -5 -10

12

Age

6

18

value