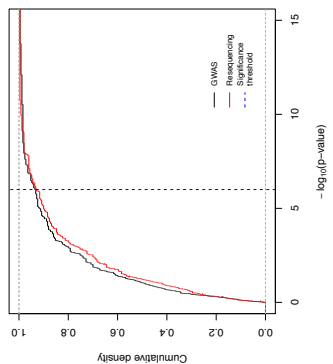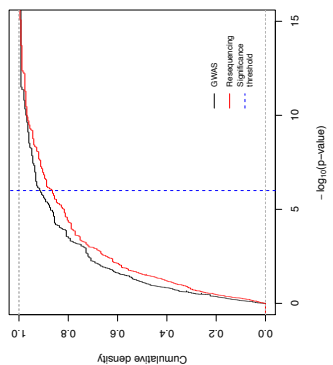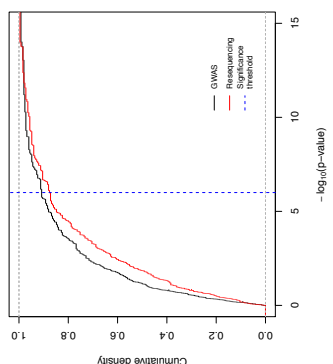(a) $\lambda = 0$
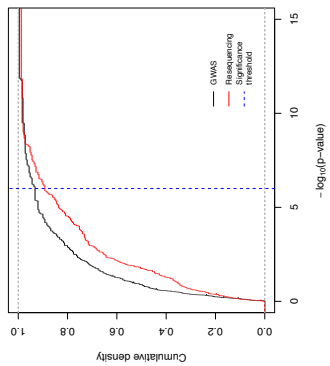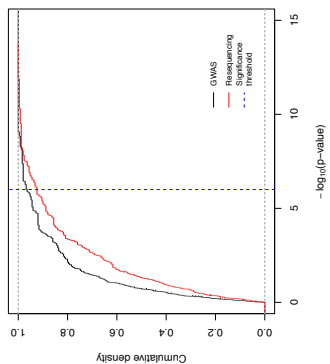
(b) $\lambda = 0.01$

(c) $\lambda = 0.025$
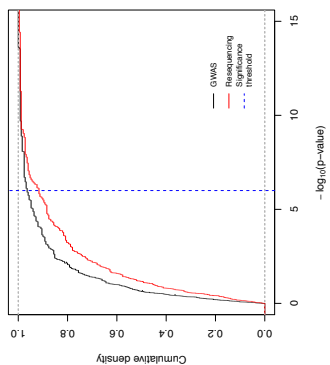
(d) $\lambda = 0.05$
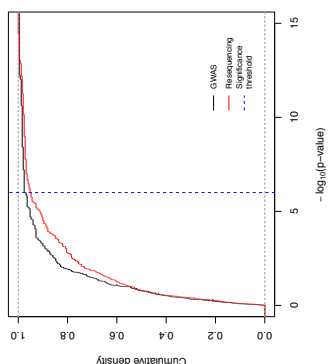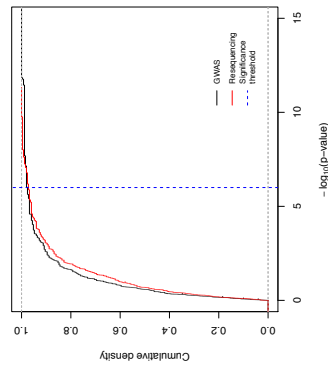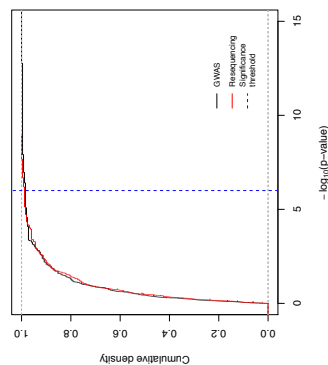
(e) $\lambda = 0.075$
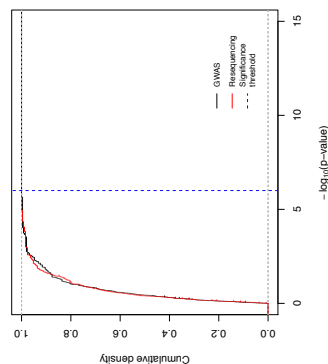
(f) $\lambda = 0.1$

(g) $\lambda = 0.125$

(h) $\lambda = 0.175$

(i) $\lambda = 0.25$

(j) $\lambda = 0.35$

(k) $\lambda = 0.5$

Figure S7: Distributions of $-log_{10}$ p-values for the Madsen and Browning [4] statistic with no recombination.