Dataset 1 (Total SNPs: 10,000 | λ = 1.0338 | Cases: 1000, Controls: 1000)  $-\log_{10}(P)$ 10  $-\log_{10}(P)$ Chromosome Dataset 2

(Total SNPs:  $10,000 \mid \lambda = 1.0338 \mid \text{Cases: } 1000, \text{ Controls: } 1000)$