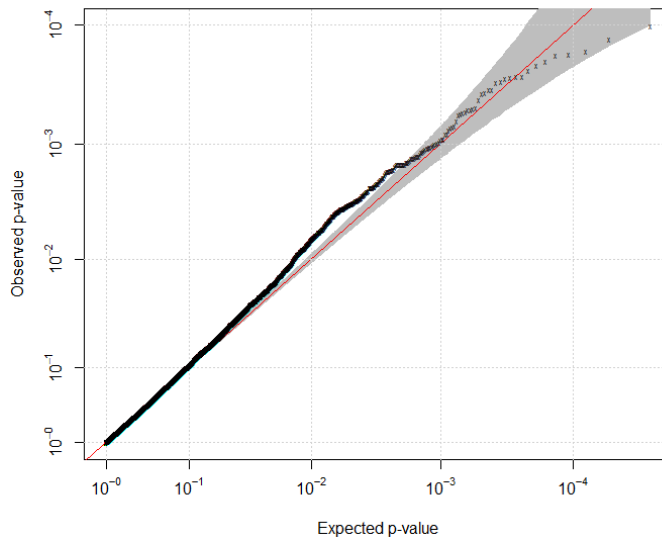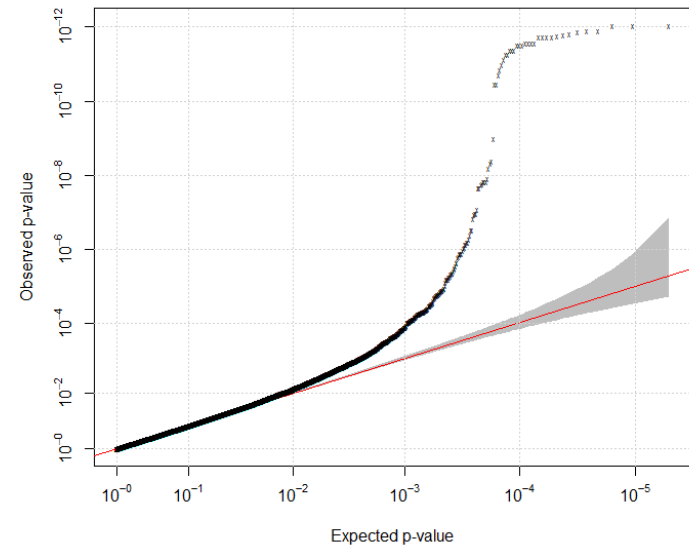**Additional File 5**: Quantile-quantile plot for ICICLE

A

B



A: QQ plot based on the 37,289 uncorrelated SNPs not selected on the basis of breast cancer risk ($\lambda$=1.065).
B:QQ plot for all SNPs in dataset ($\lambda$=1.092).