

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Genome-wide significant loci from the single cancer GWAS.

File Name: Supplementary Data 2

Description: Genome-wide significant loci from the single/all cancer meta-analysis.

File Name: Supplementary Data 3

Description: Replication analysis of the previous reported GWAS signals using the single cancer GWAS.

File Name: Supplementary Data 4

Description: Summary of the breast and prostate cancer large-scale meta-analysis.

File Name: Supplementary Data 5

Description: Genome-wide significant loci from the breast and prostate cancer large-scale meta-analysis.

File Name: Supplementary Data 6

Description: Summary of the variants newly satisfying the genome-wide significance threshold from the breast and prostate cancer large-scale meta-analysis.

File Name: Supplementary Data 7

Description: The associations between the summary statistics of the breast and prostate cancer large-scale meta-analyses and the MsigDB hallmark gene sets.

File Name: Supplementary Data 8

Description: The associations between the summary statistics of the breast and prostate cancer large-scale meta-analyses and the cell types in the single cell RNA-seq datasets.

File Name: Supplementary Data 9

Description: Summary of the time-to-event analysis investigating the variants detected from the single/all cancer GWAS/meta-analysis.