

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Regions of interest (ROIs) selected including samples description, methods conducted and pathology assessment (morphology and immunohistochemistry) (n=51 patients)

File Name: Supplementary Data 2

Description: Summary mutation call and Tmprss2-gene fusions for PCBM-cohort

File Name: Supplementary Data 3

Description: Summary somatic copy number alterations SCNA for PCBM-cohort

File Name: Supplementary Data 4

Description: Summary statistics for the sequenced samples

File Name: Supplementary Data 5

Description: ETS-Tmprss2 gene fusions sequencing data