

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Patient characteristics

File Name: Supplementary Data 2

Description: Genetic alterations in tumor bulk tissues

File Name: Supplementary Data 3

Description: Immune cluster differentially expressed genes

File Name: Supplementary Data 4

Description: Cancer cell differentially expressed genes

File Name: Supplementary Data 5

Description: Gene set enrichment analysis based on cancer cell differentially expressed genes

File Name: Supplementary Data 6

Description: Cancer cell gene programs

File Name: Supplementary Data 7

Description: Sequences of oligonucleotides used in this study