Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Hallmark gene sets of each factor for different predefined factor numbers.

File Name: Supplementary Data 2

Description: Patient information including tumor stages, CMS, and MSI status. We obtained tumor stage and MSI information from the cBioPortal website and CMS information from the Colorectal Cancer Subtype Consortium (CRCSC) website (https://www.synapse.org/#!Synapse:syn4978511.1).

NOLBL means that the patient is not classified as any CMS type.