

- 1    **Supplemental files**
- 2    **Table S1:** Clinical information of patients in all datasets.
- 3    **Table S2:** List of 33 TRGs.
- 4    **Table S3:** Coefficient values of 10 signature genes in the multivariate Cox regression analysis.
- 5    **Table S4:** A list of the drug molecules related to four key TRGs.
- 6    **Figure S1:** The somatic mutation incidence of TRGs in patients with CRC. COAD: colon  
7    adenocarcinoma; READ: rectum adenocarcinoma.
- 8    **Figure S2:** Survival curves of prognosis-related TRGs.
- 9    **Figure S3:** The expression of the TRGs were used to perform a consensus clustering analysis to  
10    classify patients into two TRG clusters.
- 11    **Figure S4:** Patients with CRC were divided into three gene clusters using consensus clustering.
- 12    **Figure S5:** Expression of key TRGs in GSE108989 and GSE146771 single cell datasets using  
13    TISCH database.
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