

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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