

Figure S1

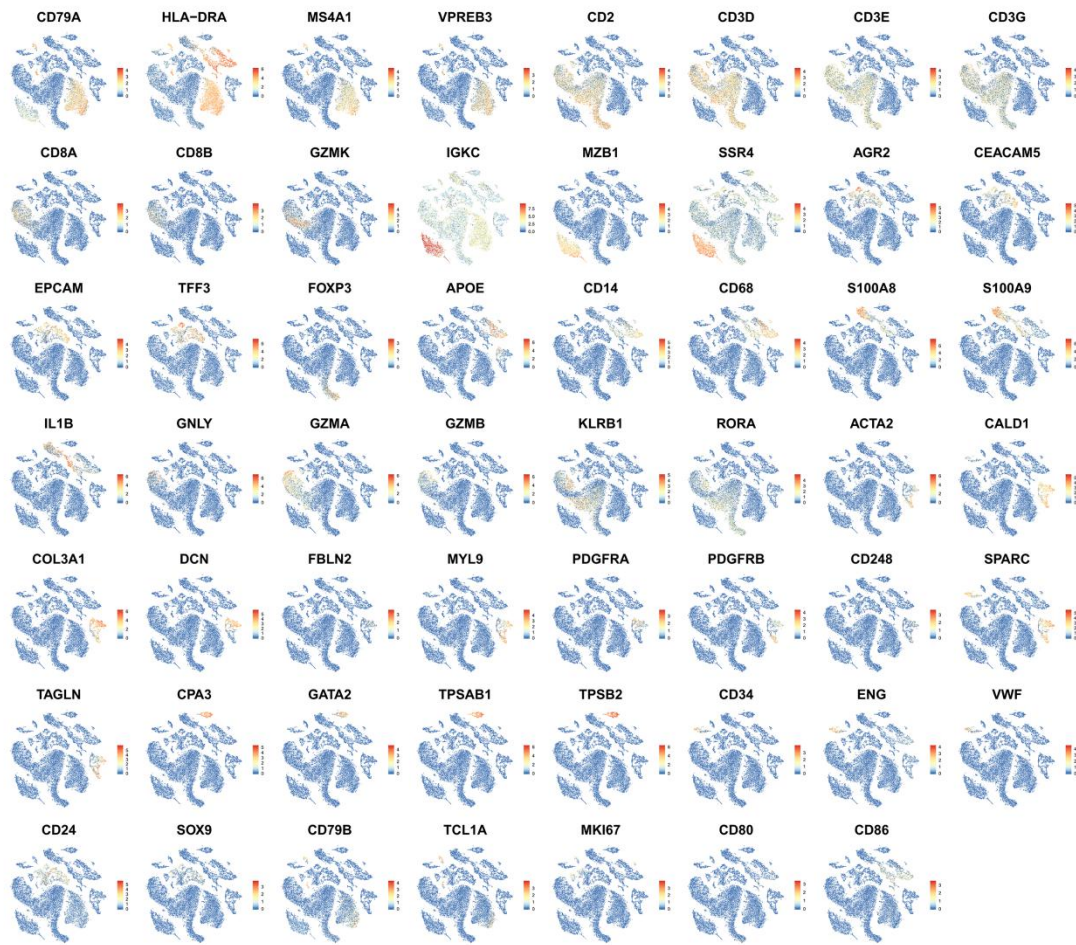


Figure S1 Selected gene expression in 27,927 T cells.

Figure S2

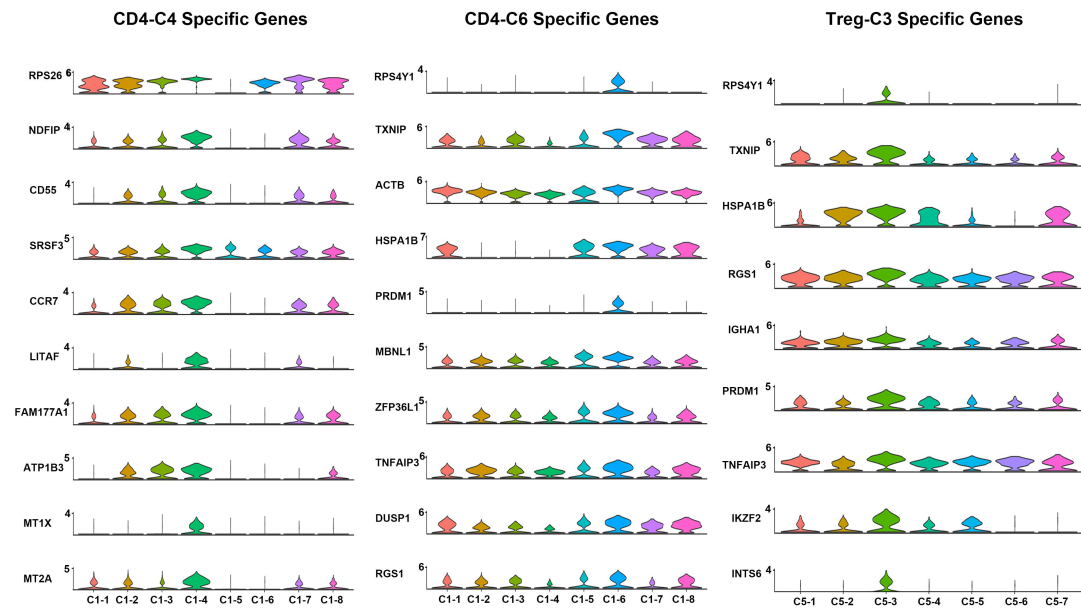


Figure S2 Violin plots of specific genes of CD4-C4, CD4-C6 and Treg-C3.

Figure S3

Specific Genes of Cancer Cell clusters

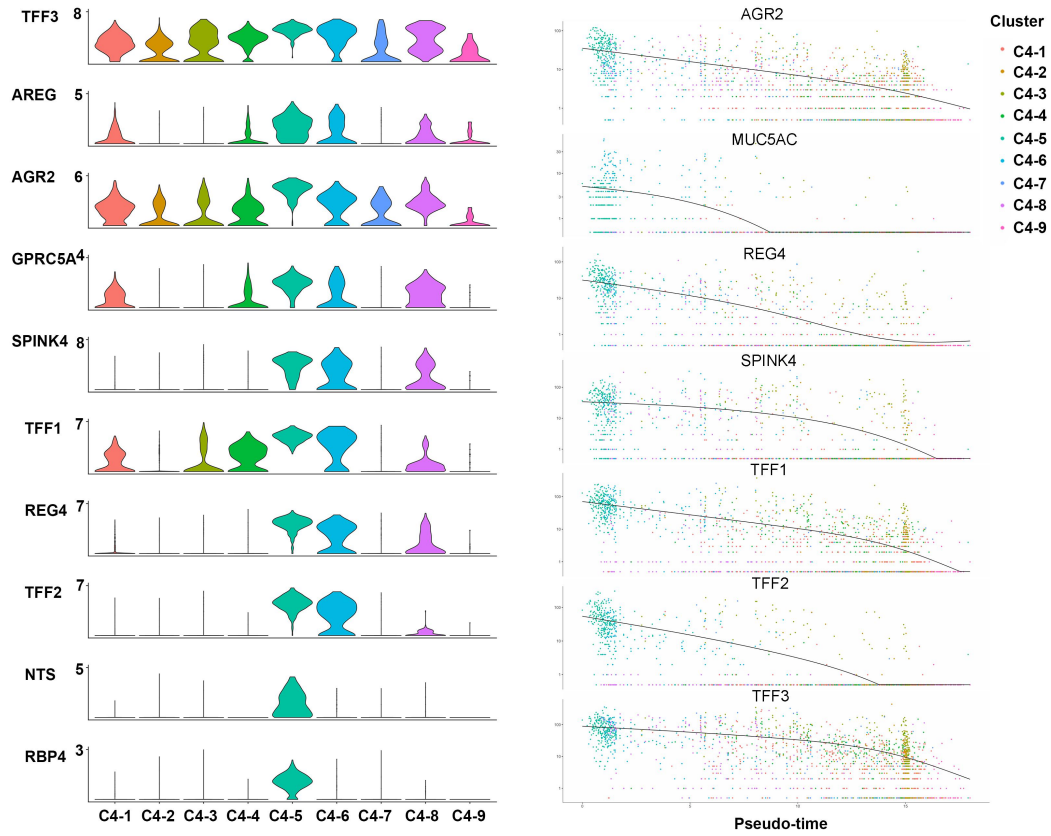


Figure S3 Specific genes of cancer cell cluster.

Figure S4

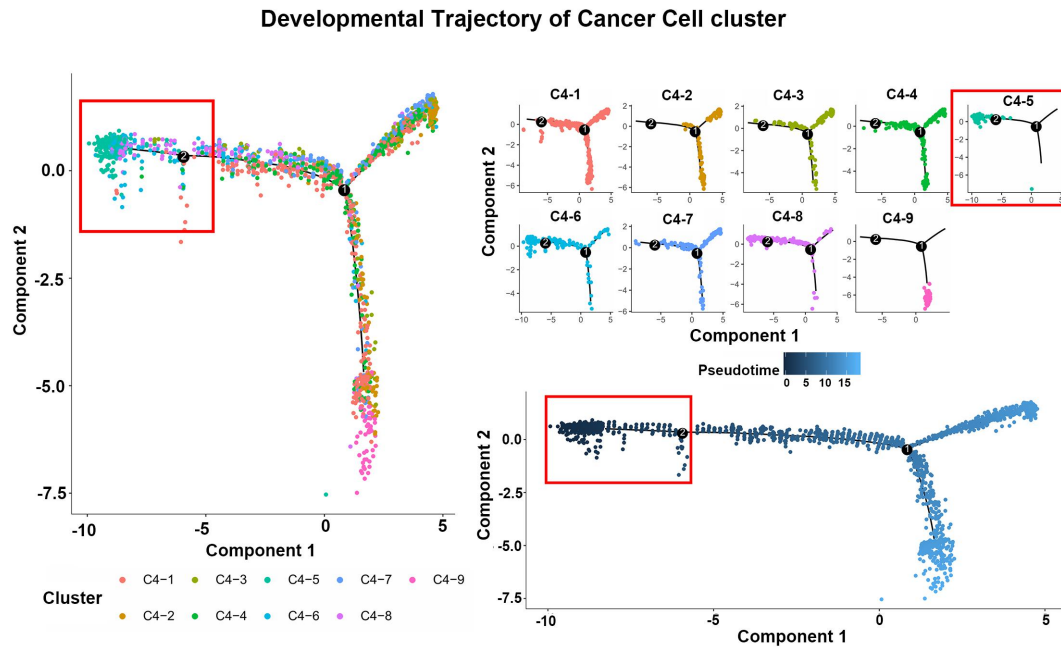


Figure S4 Developmental trajectory for cancer cell cluster.

Table S1 Clinical characteristics of six CRC patients enrolled in our study.

Patient No.	Sex	Age	Tumor Location	Tumor Size(cm)	AJCC Stage	LN metastasis	Distant metastasis	MSI status	Metabolic disorders
Left-sided CRC Patient 1	Female	57	Sigmoid	1.5 x 0.5	I	No	No	MSS	No
Left-sided CRC Patient 2	Male	70	Sigmoid	3 x 1	II	No	No	MSS	No
Left-sided CRC Patient 3	Male	65	Sigmoid	2 x 1.5	I	No	No	MSS	No
Right-sided CRC Patient 1	Female	69	Ascending	8 x 1.7	II	No	No	MSS	No
Right-sided CRC Patient 2	Female	80	Ascending	8 x 3.2	II	No	No	MSS	No
Right-sided CRC Patient 3	Male	59	Ascending	10 x 5.5	II	No	No	MSS	No

Abbreviation: AJCC, American Joint Committee on Cancer; LN, lymph node; MSI, microsatellite instability.

Table S1 Clinical characteristics of six CRC patients enrolled in this study.