

TABLE S3 | The detail information of disease-associated TCR clonotypes.

CC-associated TCR sequences	CDR3 sequences	CC patients	CIN patients &Healthy	P value
	CASSLDPGLYEQYF	9	0	0.000016
	CASSLQSSSYEQYF	9	0	0.000016
	CASSQRTSGTIYNEQFF	9	0	0.000016
	CSARDWRDYNEQFF	9	0	0.000016
	CAIRDKETRNEQFF	8	0	0.000064
	CASKAGANVLTf	8	0	0.000064
	CASSDRQTGAVSFRETQYF	8	0	0.000064
	CIN-associated TCR sequences	CDR3 sequences	CIN	CC patients &Healthy
CASSLEQLVRSETQYF		11	0	0.000011
CASSPGDRLYEQYF		10	0	0.000036
CASLQGGQETQYF		9	0	0.000114
CASSLNGAQKETQYF		9	0	0.000114
CASSLRQKETQYF		9	0	0.000114
CASSPDRVADTQYF		9	0	0.000114
CATSARDSYGYTF		9	0	0.000114
CSAIAGSSTDTQYF		9	0	0.000114
CSARGADWFTEQYF		9	0	0.000114
CSARGPLVGGGLGEQFF		9	0	0.000114
CSASGGSQYF		9	0	0.000114