

Supporting Information: Uncovering the
Underlying Mechanism of Cancer
Tumorigenesis and Development under
Immune Microenvironment from Global
Quantification of the Landscape

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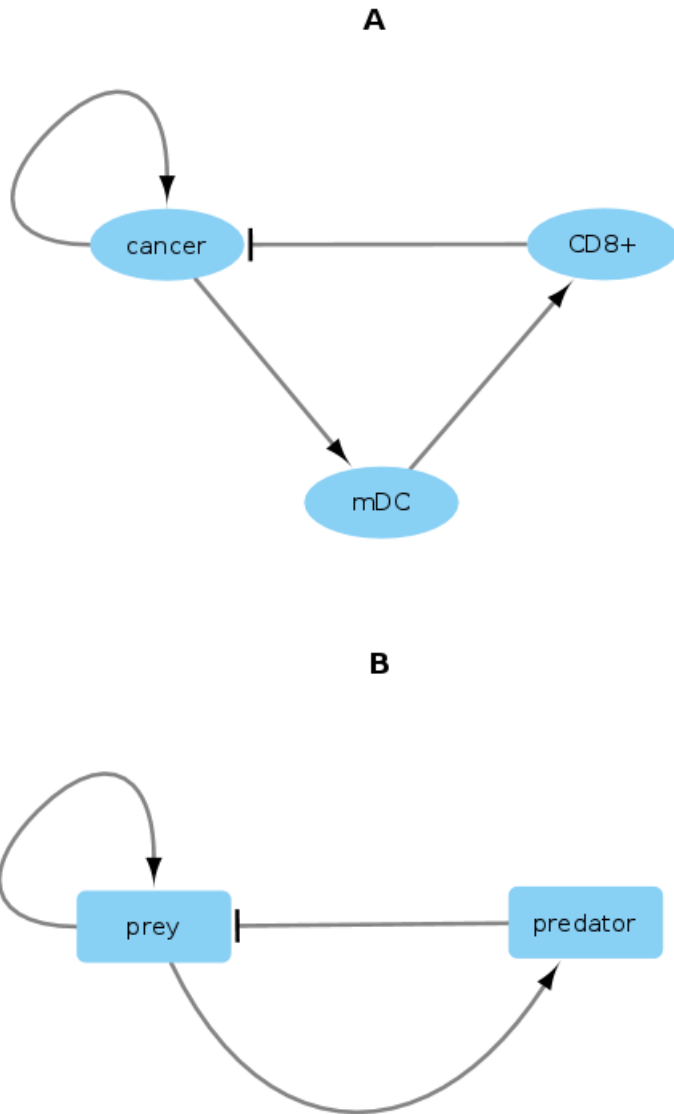


Figure S1: Diagram of immune module and prey-predator system for oscillations. (A)The module of the cancer cells, mature dendritic cells and $CD8^+$ T cells. (B)The prey-predator system. Black arrows represent activation. Black bars represent inhibition.

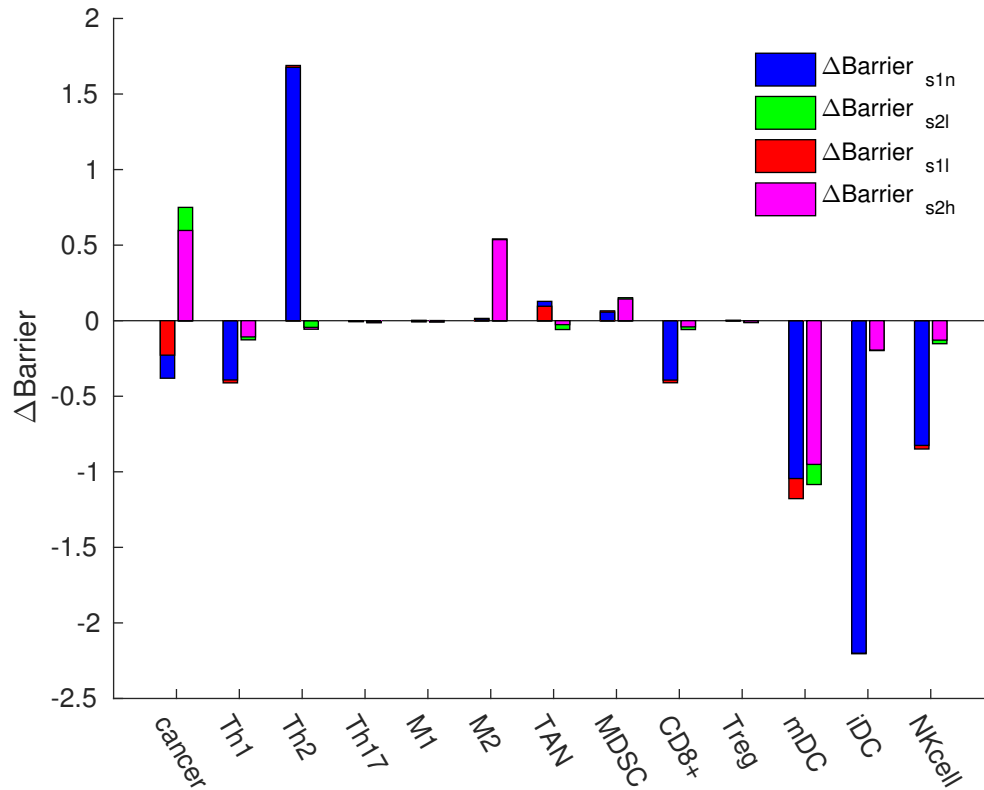


Figure S2: Barrier changes of different cell types injections. $\Delta\text{Barrier}_{s1n}$: the change of barrier between s1 and normal steady state. $\Delta\text{Barrier}_{s1l}$: the change of barrier between s1 and low cancer state. $\Delta\text{Barrier}_{s2l}$: the change of barrier between s2 and low cancer steady state. $\Delta\text{Barrier}_{s2h}$: the change of barrier between s2 and high cancer steady state. The parameter $c_i = 0.2$.