



**Additional file 1:** Nanostring analyses of mRNA expression of T-cell clones with or without TCR stimulation. Indicated T-cell clones were stimulated with immobilized anti-CD3 antibody for 2 hours ( $\alpha$ CD3) or unstimulated. Expression level of mRNA was determined using Nanostring system. Clustering analyses of normalized expression data were performed by nSolver Analysis Software.