

## **Supplementary Information**

Transcriptome Signatures Reveal Rapid Induction of Immune-Responsive Genes in  
Human Memory CD8<sup>+</sup> T Cells

Cheng Yang<sup>1#</sup>, Asma Khanniche<sup>1#</sup>, Joanna R. DiSpirito<sup>2</sup>, Ping Ji<sup>1</sup>, Shujun Wang<sup>1</sup>, Ying  
Wang<sup>1\*</sup> and Hao Shen<sup>1, 2\*</sup>

<sup>1</sup> Shanghai Institute of Immunology, Shanghai Jiaotong University School of  
Medicine, Shanghai, China

<sup>2</sup> Department of Microbiology, University of Pennsylvania Perelman School of  
Medicine, Philadelphia, PA, USA

### Supplementary Table S1. Primer sequences used for qPCR in this study

GeneSymbol	RefSeq	Forward primer	Reverse primer
<i>IL17</i>	NM_052872	CACGTAACATCGAGAGCCG	AGCCCAAGTTCCTACACTGG
<i>IL21</i>	NM_021803	GTGAAAACGAGACCAAG	CCAGTGTCCCAAGAAGAT
<i>IL22</i>	NM_020525	AAGTGCTGTTCCCTCAATCTG	ATGTGCTTAGCCTGTTGCTG
<i>IL26</i>	NM_018402	GTGGGTTGCTGTTAGTCACTCT	GTCTTCTGGAATCGTTGCTT
<i>IL31</i>	NM_001014336	GATGATGTACAGAAAATAGTCGAGGAATT	CTTCTCTTCCACATCTTTCAA
<i>IL9</i>	NM_000590	GTGCCACTGCAGTGCTAATGT	CTCTCACTGAAGCATGGTCTGG
<i>IL10</i>	NM_000572	GCCTAACATGCTTCGAGATC	TGATGTCTGGGTCTTGGTTC
<i>GAPDH</i>	NM_002046	GAAGGTCGGAGTCAACGGAT	CCTGGAAGATGGTGATGGG

### Supplementary Table S2.xls

**Differentially expressed genes.** Gene list of differentially expressed genes between CD8<sup>+</sup> T<sub>M</sub> and T<sub>N</sub> cells at 0 hr, 4 hr and 24 hr following anti-CD3/CD28 stimulation.