Supplemental material

Adoptive transfer of CMV-specific TCR-T cells for the treatment of CMV infection after haploidentical hematopoietic stem cell transplantation

Chao Ma¹, Peng Chen¹, Jishan Du¹, Lu Wang¹, Ning Lu¹, Jiaojun Sun², Xu Qilong², Yu Wang², Liping Dou¹*, Daihong Liu¹*

Supplementary Figure 1. Strategies of CMV-specific TCRs identification.

Supplementary Figure 2. Representative flow cytometry figures for *in vitro* cytolysis assay.

Representative flow cytometry figures gated from CFSE⁺ target cells were shown.

Percentage of 7-AAD⁺ cells among CFSE⁺ population was calculated and represented as cytolytic lysis (%) after the value of non-effector control was subtracted.

Supplementary Figure 3. Flow cytometry figures for the infused CMV-TCR-T cells.

Percentage of CD8⁺ Tetramer⁺ cells gated from CD3⁺ populations was calculated and documented after the value of non-effector control was subtracted.

Supplementary Figure 4. Clone frequencies of the infused TCR-T cells.

Clone frequencies of the transgenic CMV-targeting TCRs in the peripheral blood of each individual patient were measured by $TCR\beta$ sequencing at various time points. The time of TCR-T cells infusion was also indicated.

Supplementary Table 1. List of top 50 TCR β sequences and their clone frequencies from the peripehral blood T cells of Patients 01, 03 and 05.