

Supplemental Table S2. Primer sequences used for construction of the different CARs using the splicing by overlap extension technique.

Splice Site	Sequence
hCD8 α hinge – hCD28	F: AGGGGGCTGGACTTCGCCTGTGATTTTTGGGTGCTGGTGGTGGTTGGT R: ACCAACCACCACCAGCACCCAAAAATCACAGGCGAAGTCCAGCCCCCT
hCD28 hinge – h4-1BB	F: ACTTCGCAGCCTATCGCTCCAAACGGGGCAGAAAGAACT R: AGTTTCTTTCTGCCCCGTTTGGAGCGATAGGCTGCGAAGT
hCD28 – hTCR- ζ	F: GCAGCCTATCGCTCCAGAGTGAAGTTCAGCAGGAGCG R: CCTGCTGAACTTCACTCTGGAGCGATAGGCTGCGAA
5' CAR	F: ATGATCGGATCCATGGCCTTACCAGTGACCGC
3' CAR	R: TCGACAGTCGACTTAGCGAGGGGGCAGGGCCT
3' truncated CAR	R: TCGACAGTCGACTTACGCGGGGGCGTCTGC