

Supplemental Table S1. Summary of chimeric immune receptors designed to incorporate multiple intracellular signaling domains distributed among discrete polypeptide chains.

Name	Description	Cytotoxicity compared to second-generation CAR	Cytokine secretion compared to second-generation CAR	Additional features
TRuC	scFv fused to component of $\alpha\beta$ TCR	↑	↓	
AbTCR	Fab fused to $\gamma\delta$ TCR signaling domains	↑	↓	
STAR	Separate V_H and V_L domains on engineered murine TCR α and TCR β chains	↑	↑	Purported to have less tonic signaling, better sensitivity
TAC	Tandem scFv pair	--	↓	
HIT	Targeting domains inserted into <i>TRAC</i> locus	↑	--	Reduces risk of aberrant genomic integrations, standardizes vector copy number