**Table S7:** In-process testing for electroporated and propagated T cells.

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| **Expression** |
| Cell Surface CAR Expression | Flow Cytometry |
| Total CAR Expression | Western Blot Analysis |
| **Functionality** |
| Cytotoxicity | Chromium Release Assay |
| **Persistence** |
| Memory/Naïve Phenotype | Flow Cytometry |
| Telomere Length | Flow-FISH |
| **Safety** |
| CAR Copy Number | Q-PCR |
| SB11 Detection | PCR |
| TCR Vβ Repertoire  | Flow Cytometry |
| Karyotyping | G-banding |