

S1 Table. List of additional constructs used, with a description of the encoded sequences in column 2 and the format in which the expressed sequence is utilized in column 3. The long dashes indicate a linker sequence. P2A refers to a cleavage sequence. BP refers to a bridging protein.

| Construct # | Description | Modality |
|--------------------|--|------------------|
| 28 | CD19 ECD | Purified protein |
| 42 | CD19 ECD – anti-Her2 | Purified BP |
| 117 | CD22 ECD – anti-Her2 | Purified BP |
| 142 | Sequence of 254 – P2A – sequence of 42 | CAR-CD19 + BP |
| 311 | Stabilized CD19 ECD – anti-Her2 | Purified BP |
| 416 | Stabilized CD19 ECD – anti-EGFR | Purified BP |