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 GTTGCGTGACTCCCGTCTGTGATAGATACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCC

**Figure 8 – figure supplement 2.** Full sequence of the S1 targeting vector. Text highlighted in green corresponds to sgRNA target sequence, red is the S1-tag and blue is the 3' end of *PINCR*.