

**VF2 (Sequencing primer forward)**

5' tgccacctgacgtctaagaa 3'

**VR (Sequencing primer reverse)**

5'attaccgcctttgagtgagc 3'

**Universal Prefix Fv**

5'ccggaattcgcgccgcttagag 3'

**Universal Suffix Rv**

5'ccaatgcattggttctgcagcgccgctactagta 3'

The universal prefix and suffix primers were designed in such a way that they bind exactly to the prefix and suffix and help in amplification of the insert. This primer was mainly designed to sequence the parts that were synthesised by DNA 2.0

**Forward Primer to Remove T7 promoter from SUMO Peptide constructs**

5'tgctctagagaaagaggagaaatactagatggct 3'

This forward primer was designed to remove the T7promoter from the SUMO peptide constructs so that they can be cloned to get the parts that do not need T7 promoter .

The VR primer was used as the reverse primer.