>NH5

ATCCATAAGGCTCGTATAATATATTCCACTTGTATAACCTCAATAATATGGTTTGAGGGTGTCTACCAGGAACCGTAAAATCCTGATTACAAGCCGTTTTTTCGGCTTGTAATCAGGATTTTTTTTATTTACTAGTACATTTAAGTAAAGGAGTTTGTTATGACCATGATTACGCCAAGCTT

LOOP NH5:UUUUUU

(CAATTG?? 🡪 CUT SITE)

TAATTG (-): 0.56 (+): 0.66 FI: 1.2

TTTTGG (-): 0.71 (+): 0.59 FI: 0.83

CCTCGG (-): 0.72 (+): 0.55 FI: 0.76

TAAGAG (-): 0.76 (+): 0.81 FI: 1.1

ATTGCG (-): 0.8 (+):1.1 FI: 1.4

TTCTCC (-): 0.81 (+):1 FI: 1.2

Anchor NH5:GGCUU

NH5 is best rep

NUCLEATOR NH5: GCC/GGC

UCC/GGA (-):0.15 (+):0.24 FI:1.6

ACG/CGU (-): 0.15 (+):0.39 FI:2.7

CGG/CCC (-): 0.36 (+): 1 FI: 2.8

ACU/GGU (-):0.44 (+): 0.76 FI: 1.7

GATEWAY NH5: UAAUCA

UAAUCG (-): 0.86 (+): 0.78 FI: 0.92

**P3** NH5: CAGGA

NH5 is best

ANCHOR EXCHANGE NH5:C/GC/GC

A/UA/UA (-):0.16 (+): 0.95 FI:6.1

U/UG/CA (-): 0.23 (+):0.22 FI:0.96

U/UA/UA (-): 0.32 (+):0.25 FI:0.79

U/UG/UG (-):0.33 (+):0.45 FI:1.4

A/UG/CA (-): 0.37 (+):0.89 FI:2.4

U/GA/UU (-):0.41 (+):0.39 FI:0.97

P1 EXCHANGE NH5: UG/CA/UG

CC/GG/UC (-):0.56 (+):0.62 FI: 1.1

GA/UC/GA (-):0.6 (+):0.52 FI:0.86