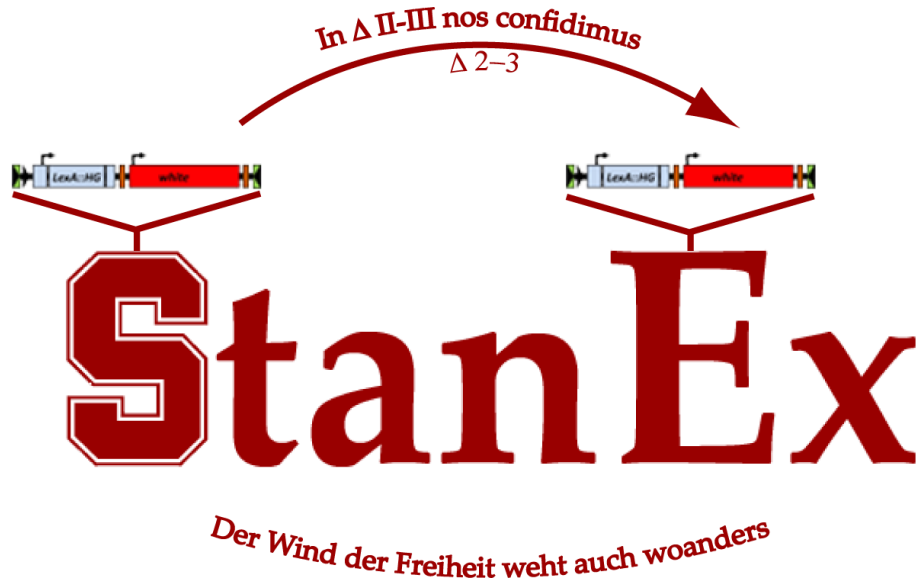


Exeter Academy Bio 470



Generation of the StanEx LexA Enhancer Trap Collection

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StanEx1 P-element sequences of the 5' and 3' end

BfuC1: **GATC**

HpaII: **CCGG**

5'P and attP site (Sequence 5' -> 3', from 5' end of P-element to attP site)

CATGATGAAATAACATAAGGTGGTCCCGTCGATAGCCGAA
GCTTACCGAAGTATACTTAAATTCAGTGCACGTTTGC**T**
TGTTGAGAGGAAAGGTTGTGTGCGGACAATTTTTTTTTGA
AAACATTAACCTTACGTGGAATAAAAAAAAAATGAAATAT
TGCAAATTTTGCTGCAAAGCTGTGACTGGAGTAAAATTA
TTCACGTGCCGAAGTGTGCTATTAAGAGAAA**ATTGTGGGAGCAGA**
GCCTTGGGTGCAGCCTTGGTGAACACTCCCAAATTTGTGATA
CCCCTTTAATGATTTCGCAGTGGAAAGGCTGCACCTGCAAAAG
GTCAGACATTTAAAAGGAGGCGACTCAACGCAGATGCCGTAC
CTAGTAAAGTGATAGAGCCTGAACCAGAAAAGATAAAAAGAA
GGCTATACCAGTGGGAGTACACAAACAGAGTAAGTTTGAATA
GTAAAAAAATCATTATGTAAACAATAACGTG**ACTGTCCGTI**
AGGTCCTGTTCAATTGTTTAATGAAAATAAGAGCTTGAGGGAAA
AAATTCGTACTTTGGAGTACGAAATGCGTCGTTTAGAGCAGCA
GCCGAATTCGGTACCCAATTCGCCCTATAGTGAGTCGTATTA
GATCTAATTAACCCTCACTAAAGGGAACAAAAGCTGGAGCTCCACCGCGGTG
GCGGCCGCTGCAGGAATTCGGCTTCGACTAGTACTGACGGACACACCGAAGC
CCCGGCGGCAACCCTCAGCGGATGCC**CCGG**GGCTTCACGTTTTCCAGGTCA
GAAGCGTTTTTCGGGAGTAGTGCCCAACTGGGGTAACCTTTGAGTTCTCTCA
GTTGGGGGCGTAGGGTCGCCGACATGACACAAGGGGTTGTGA**CCGG**GGTGG
ACACGTACGCGGGTGCTTACGACCGTCAGTCGCGCGAGCGCGACTAGTACAA
GCCGAATTC

5'P – First BfuC1 site: 630bp

5'P – First HpaII site: 735bp

Inverse primer Pair:

Plac1: **CAC CCA AGG CTC TGC TCC CAC AAT**

(StanEx5' LeftOut)

Tm: 65 C

Plac4: **ACT GTG CGT TAG GTC CTG TTC ATT GTT**

(StanEx5' RightOut)

Tm: 61 C

Sequence Primer: **Sp1**

ACA CAA CCT TTC CTC TCA ACA A

Tm: 54 C

