

A

8 clones

4 1 1 1 1

AAAAATTTTCAGAATCAAATGATTGTAGAAACACATGATTTCTGGTTCAGAATTCACACA
 +1
 CTCCACCCAAAAAATACCCTTAAAAAGTTATAATTGTATTGATTAGCTGATAAAATCAA

17 clones

1 2 7 3 1 2 1

TTTATTGGAAAGAAATCCTAATAAAACGCTGTAATAGAAGAGAAGAGAAGAGAGAGGGGA
 +144
 GACGTGAGATCGTGAATTATG
 +199

B

TGATGATCTCGAGCGGCTATATATCGGTTAGAAATAGATGTTATCATAGGCATATATAAC
 *

TTTTACCAGAGCTACATATTAGCATATATGATCGACACCTACAATTTCTCGAAAGAGAAA
 AAAGGATGCTGAAAACCTAAACCTTAAACCATAGATTTTGGAGCGGAGAGCTTTCGGCAA

AGTTCTCTTCGATTGCTCTTCTGAATTTCTGAATATAAGTATATGTTTACTTGTACTTGA

11 clones
 6 1 2 2
 ↓ ↓ ↓ ↓

4/4 clones
 ↓
 TGAACCCATAGCATGATAGGCTCCAAAAATATAGTTTACTC(A)n

C

AGGATATATTCAATTGTAAATGGCTTCATGTCCGGGAAATCTACATGGATCAGCAATGAG
 R I Y S I V N G F M S G K S T W I S N E
 1605

TATGATGGTCAATATGGAGAAAAAGAAAGAGTAATTACCAATTTTTTTTTCAATTCAAAAA
 Y D G Q Y G E K E R V I T N F F S I Q K

TGTAGATGTCCGCAGCGTTATTATAAAATGAAAGTACATTTTGATAAAACGACAAATTAC
 C R C P Q R Y Y K M K V H F D K T T N Y

7 clones
 5 2
 ↓ ↓

GATCCGTCTGATTTTATAGCGGAAAGCAATAAACAAATTATTCTAAATTCGG(A)n
 D P S Y L *
 1669