

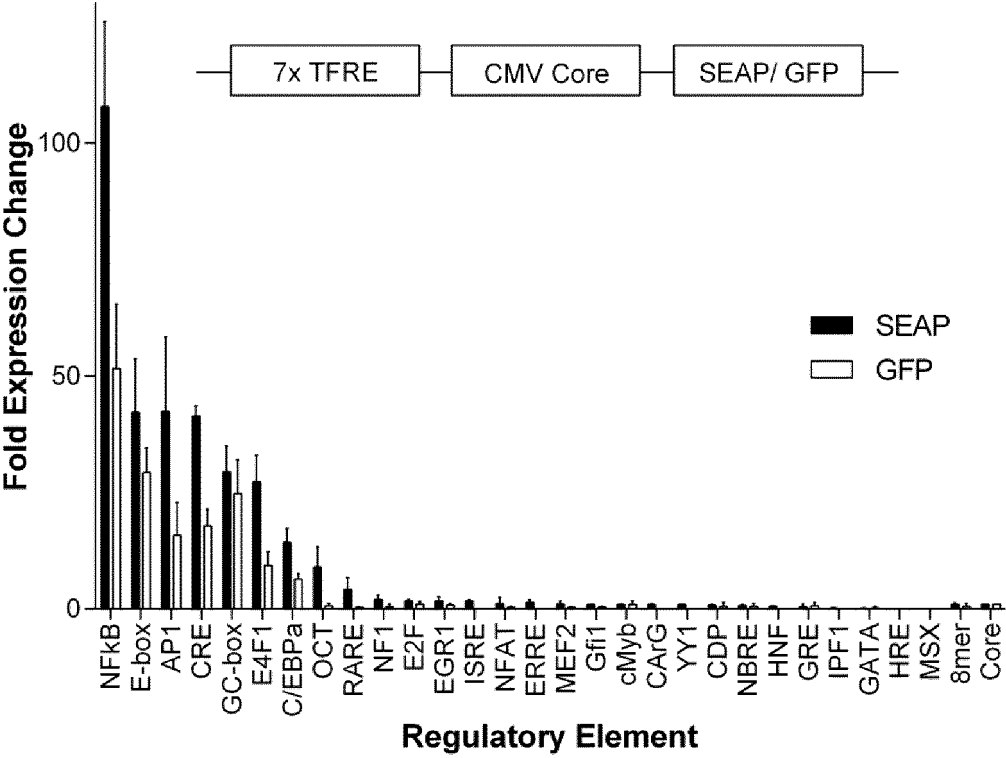


Figure 1

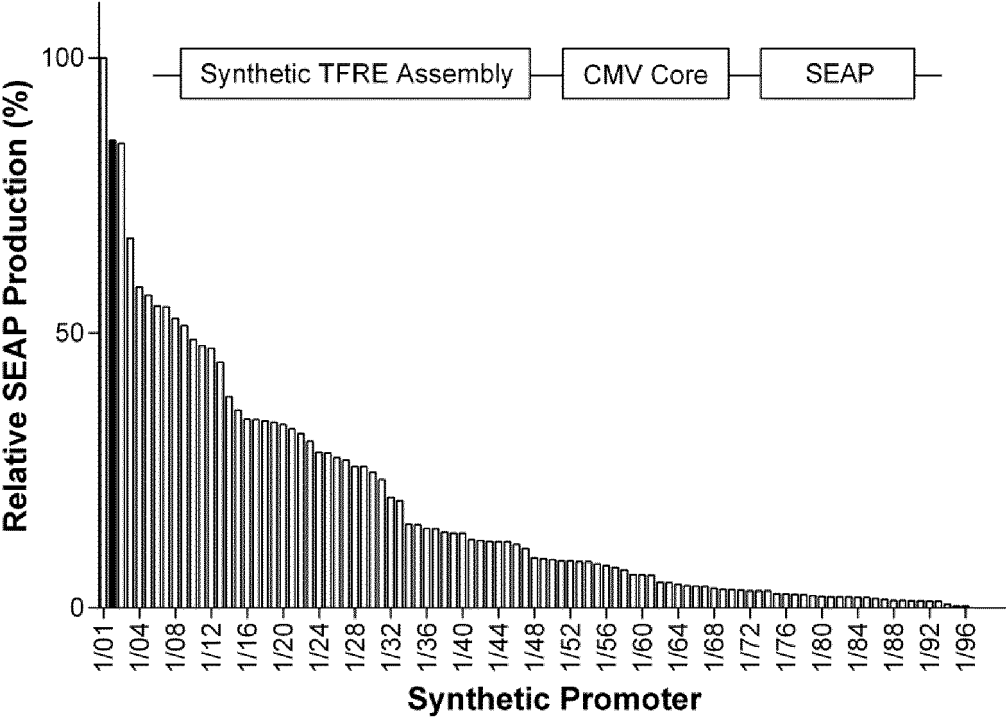


Figure 2

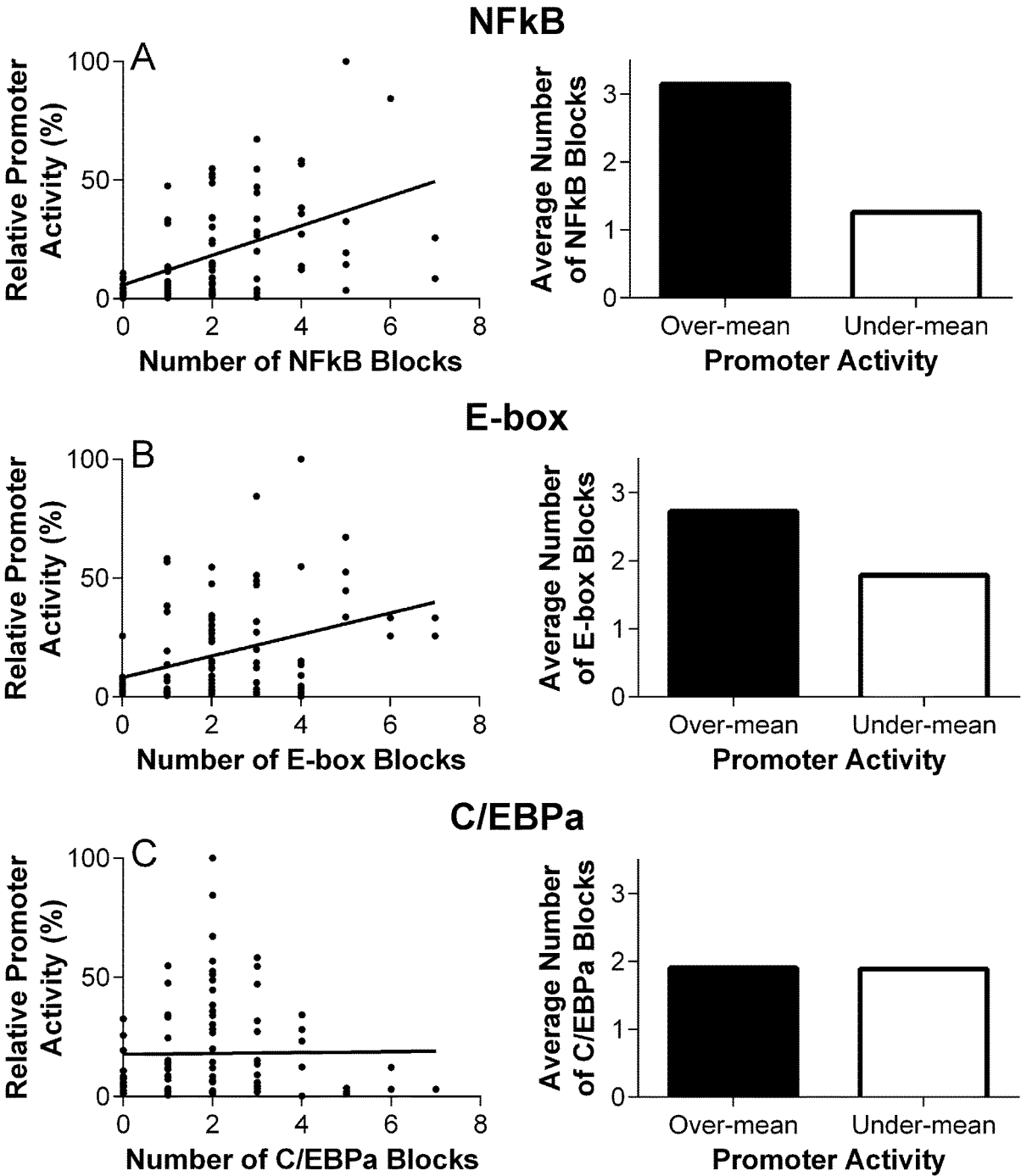


Figure 3a

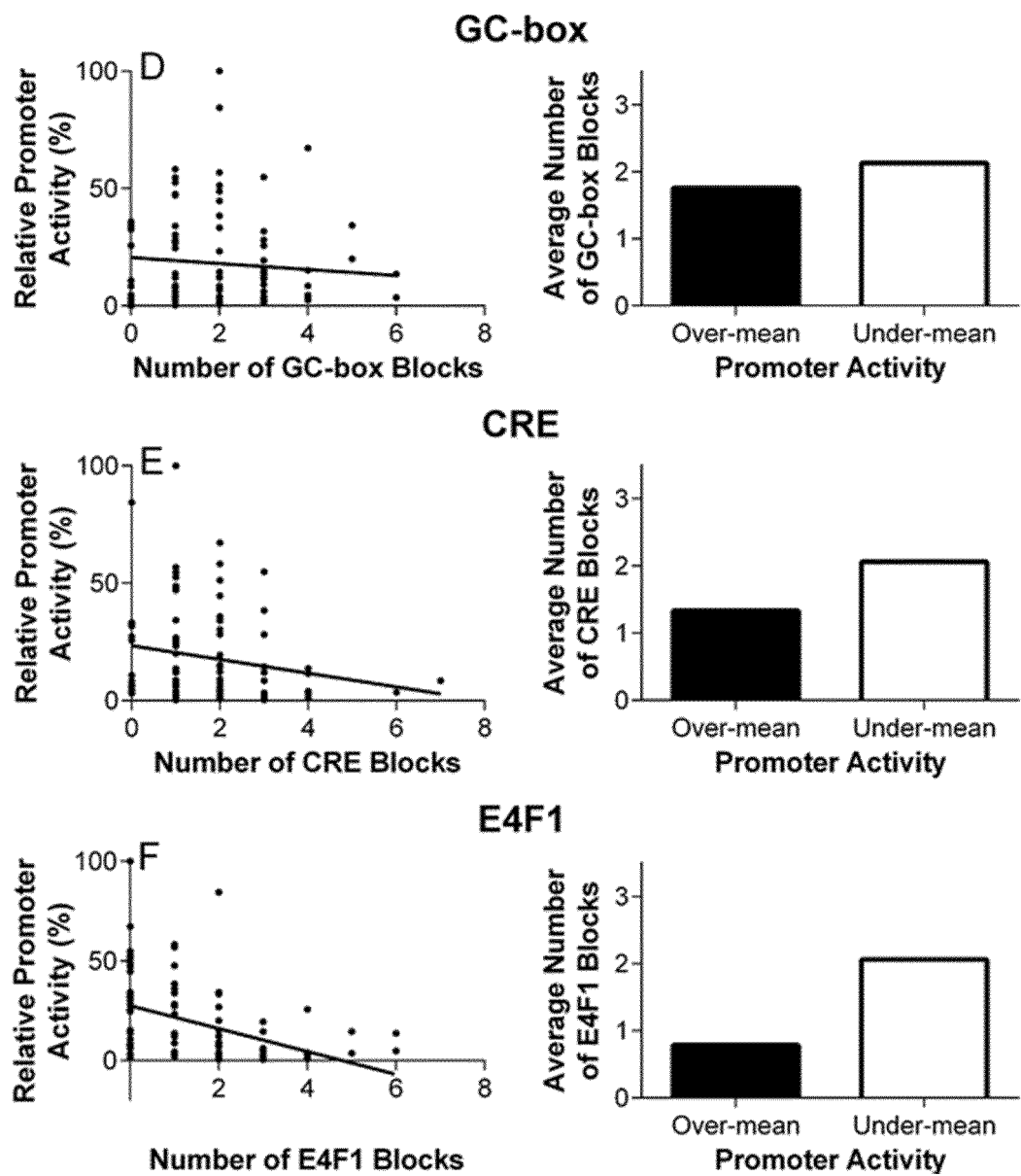


Figure 3b

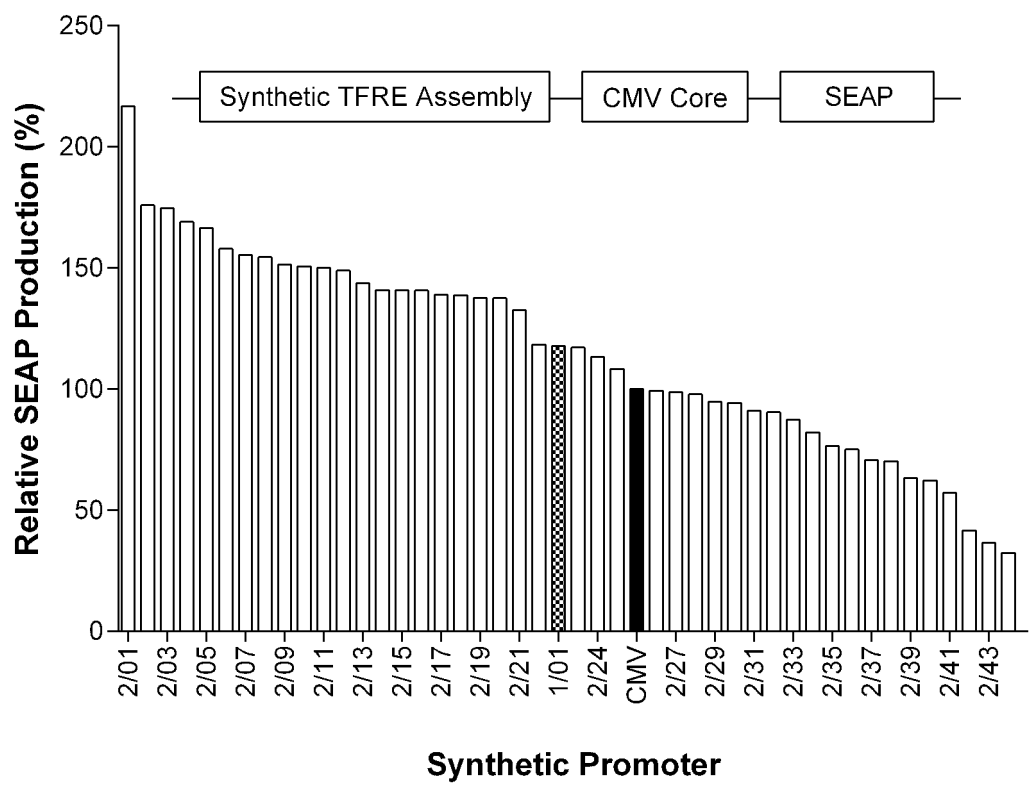


Figure 4

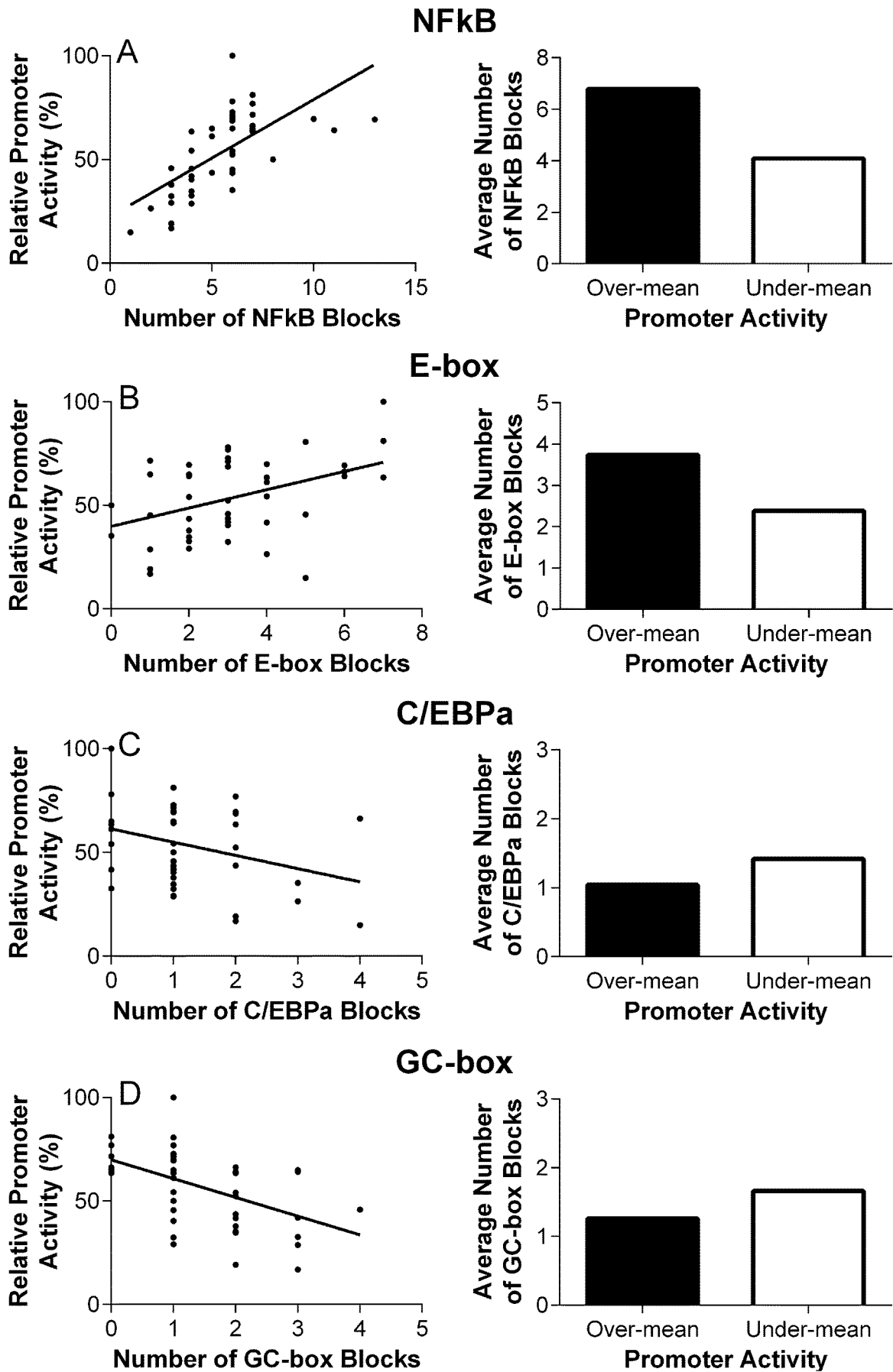


Figure 5

6/23

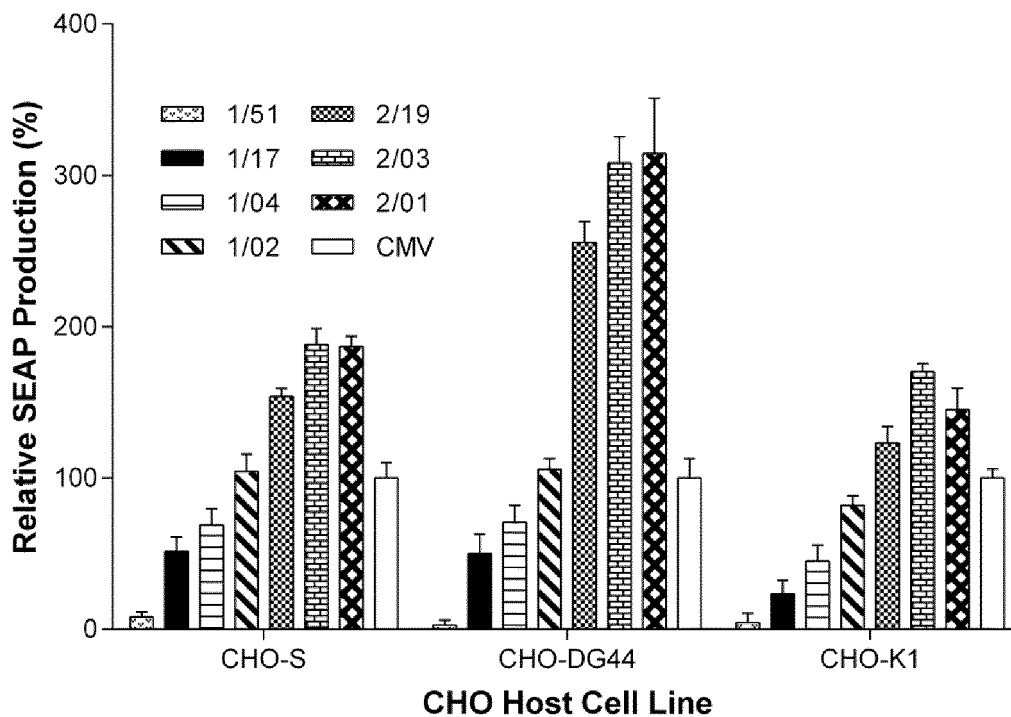


Figure 6

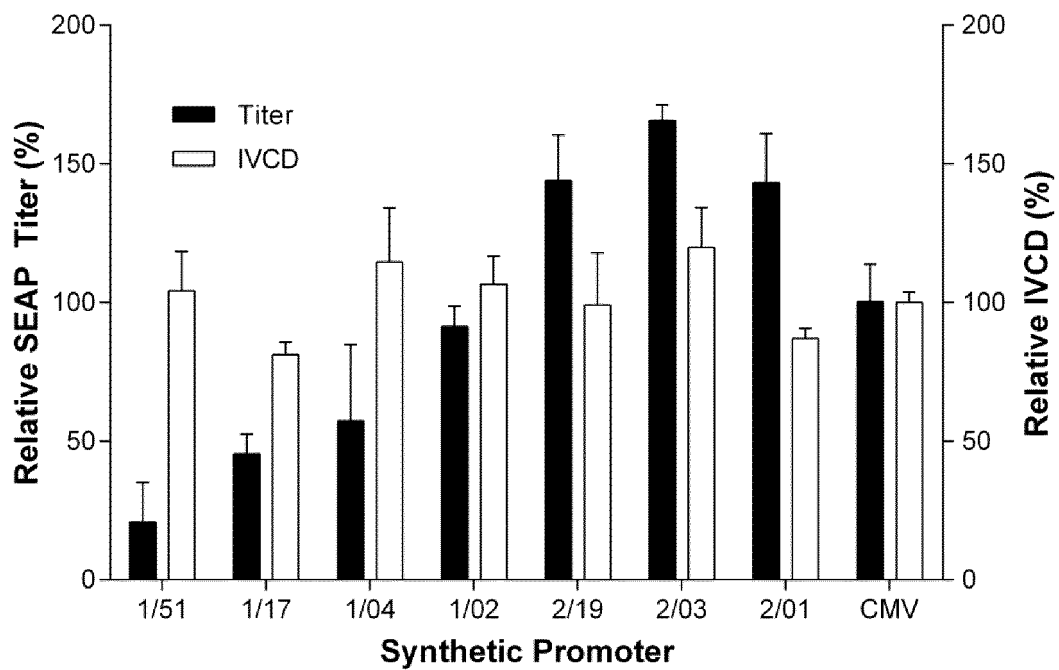


Figure 7

Figure 8a**1/01 SEQ ID NO:30**

TGGGACTTTCCATCGAAACACGTGAATCGAAACACGTGAATCGATGGGACTTTCCATCGATGGGGCGGGG
ATCGATTTTTCGCAATTTTCGATTTGACGTCATTTTCGATTCACGTGTTTCGAAATTGCGCAAAATCGATGG
GACTTTCCATCGATGGGACTTTCCATCGAAACACGTGAATCGATCCCCGCCCCATCGATGGGACTTTCCA

1/02 SEQ ID NO:31

TTCACGTGTTTCGATTGTGACGTAAC TTTTCGAAAGTTACGTCACAATCGAAATTGCGCAAAATCGAAACA
CGTGAATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGATTCACGTGTTTCGATTTTTCGCAATTTTCG
ATGGGACTTTCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATGGGG
CGGGGATCGATGGGACTTTCCA

1/03 SEQ ID NO:32

AACACGTGAATCGAAACACGTGAATCGATCCCCGCCCCATCGATTTGACGTCATTTTCGATGGAAAGTCCC
ATCGATCCCCGCCCCATCGATGGGGCGGGGATCGATCCCCGCCCCATCGAAATGACGTCAAATCGAAACA
CGTGAATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGAAATTGCGCAAAATCGATTCACGTGTTTC
GATTTTTCGCAATTTTCGATTCACGTGTT

1/04 SEQ ID NO:33

AATTGCGCAAAATCGAAATGACGTCAAATCGATTCACGTGTTTCGATGGGGCGGGGATCGATTTGACGTCATTTTCA
AATTGCGCAAAATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGGCGGGGATC
GAAAGTTACGTTCACAATCGATTTTTCGCAATTTTCGATGGAAAGTCCCA

1/05 SEQ ID NO:34

TGGGGCGGGGATCGATTGTGACGTAAC TTTTCGATGGGACTTTCCATCGATGGGGCGGGGATCGATGGGAC
TTTCCATCGAAATTGCGCAAAATCGATGGAAAGTCCCATCGATTTTTCGCAATTTTCGATTTGACGTCATT
TCGATTCACGTGTTTCGATGGAAAGTCCCA

1/06 SEQ ID NO:35

TTTGACGTCATTTTCGAAACACGTGAATCGATTCACGTGTTTCGATCCCCGCCCCATCGAAACACGTGAAT
CGATGGGACTTTCCATCGAAACACGTGAATCGATTTGACGTCATTTTCGAAATTGCGCAAAATCGATCCCC
GCCCCATCGAAATGACGTCAAATCGATGGAAAGTCCCATCGATCCCCGCCCCA

1/07 SEQ ID NO:36

AATTGCGCAAAATCGAAACACGTGAATCGAAATTGCGCAAAATCGATCCCCGCCCCATCGATGGGACTTT
CCATCGATTTTTCGCAATTTTCGATTTTTCGCAATTTTCGAAACACGTGAATCGAAATGACGTCAAATCGAT
GGGACTTTCCATCGATGGGACTTTCCA

1/08 SEQ ID NO:37

AACACGTGAATCGATTCACGTGTTTCGATGGAAAGTCCCATCGATTTGACGTCATTTTCGAAATTGCGCAA
AATCGATTCACGTGTTTCGAAACACGTGAATCGATGGGGCGGGGATCGATTTTTCGCAATTTTCGAAACAC
GTGAATCGATGGGACTTTCCA

8/23

Figure 8b**1/09 SEQ ID NO:38**

TTTTGCGCAATTTTCGATCCCCGCCCCATCGATGGGACTTTCCATCGAAATTGCGCAAAATCGAAATGACG
TCAAATCGATGGAAAGTCCCATCGAAACACGTGAATCGATTACGTGTTTCGAAATGACGTCAAATCGAT
GGGGCGGGGATCGATTACGTGTT

1/10 SEQ ID NO:39

AATTGCGCAAAATCGAAACACGTGAATCGATGGAAAGTCCCATCGAAACACGTGAATCGATTACGTGTT
TCGATTTTTCGCAATTTTCGAAATGACGTCAAATCGATGGGGCGGGGATCGATGGGGCGGGGATCGATGGG
ACTTTCCA

1/11 SEQ ID NO:40

AATGACGTCAAATCGATTACGTGTTTCGATGGGACTTTCCATCGAAATTGCGCAAAATCGAAACACGTG
AATCGATCCCCGCCCCATCGAAAGTTACGTCACAA

1/12 SEQ ID NO:41

AATTGCGCAAAATCGATGGGACTTTCCATCGATGGGACTTTCCATCGAAACACGTGAATCGAAACACGTG
AATCGATCCCCGCCCCATCGATTTGACGTCATTTTCGAAACACGTGAATCGATGGAAAGTCCCATCGAAAT
TTCGCAAAATCGATTTTTCGCAATT

1/13 SEQ ID NO:42

TGGGGCGGGGATCGATTTTTCGCAATTTTCGATTACGTGTTTCGATGGAAAGTCCCATCGATGGGGCGGG
GATCGAAACACGTGAATCGATGGGACTTTCCATCGAAATGACGTCAAATCGAAATTGCGCAAAATCGATG
GGACTTTCCATCGATTACGTGTTTCGATTACGTGTTTCGATTTGACGTCATTTTCGATTACGTGTT

1/14 SEQ ID NO:43

TTTGACGTCATTTTCGATGGGGCGGGGATCGATGGGGCGGGGATCGATGGGACTTTCCATCGATTTGACGT
CATTTTCGATTTTTCGCAATTTTCGAAATTGCGCAAAATCGATGGAAAGTCCCATCGATGGGACTTTCCATC
GAAATGACGTCAAATCGATTGTGACGTAACTTTTCGATTACGTGTTTCGATGGGACTTTCCA

1/15 SEQ ID NO:44

TGGAAAGTCCCATCGATTTTTCGCAATTTTCGAAAGTTACGTCACAATCGAAATGACGTCAAATCGATGGA
AAGTCCCATCGATTTTTCGCAATTTTCGATTACGTGTTTCGATGGGACTTTCCATCGAAATGACGTCAA
TCGATGGAAAGTCCCA

1/16 SEQ ID NO:45

TTTGACGTCATTTTCGAAAGTTACGTCACAATCGATGGGACTTTCCATCGATGGGACTTTCCATCGAAATT
GCGCAAAATCGAAATGACGTCAAATCGAAACACGTGAATCGATTACGTGTTTCGAAAGTTACGTCACAA

1/17 SEQ ID NO:46

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ATCGATGGGACTTTCCATCGATTTTTCGCAATTTTCGATGGAAAGTCCCATCGAAATTGCGCAAAATCGAT
TTGACGTCATTTTCGAAATTGCGCAAAATCGAAACACGTGAATCGATCCCCGCCCCATCGATGGGGCGGGG

A

9/23

Figure 8c**1/18 SEQ ID NO:47**

TGGGACTTTCCATCGATGGAAAGTCCCATCGAAACACGTGAATCGAAATTGCGCAAAATCGATTTGACGT
CATTTTCGATCCCCGCCCCATCGAAACACGTGAATCGAAATTGCGCAAAATCGAAATGACGTCAA

1/19 SEQ ID NO:48

AACACGTGAATCGAAACACGTGAATCGATTTGACGTCATTTTCGAAACACGTGAATCGATTTGACGTCATT
TCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATTGTGACGTAACCTTTTCGATTTGACGTCATTTTGA
TGGGACTTTCCATCGATTTTTCGCAATTTTCGATGGAAAGTCCCATCGATTCACGTGTT

1/20 SEQ ID NO:49

AAGTTACGTCACAATCGATGGGGCGGGGATCGAAACACGTGAATCGAAACACGTGAATCGATTCACGTGT
TTCGATGGAAAGTCCCATCGATTGTGACGTAACCTTTTCGAAACACGTGAATCGATTTTTCGCAATTTTCGAT
CCCCGCCCCATCGATTCACGTGTTTTCGAAACACGTGAA

1/21 SEQ ID NO:50

TGGGACTTTCCATCGAAACACGTGAATCGATGGAAAGTCCCATCGATTCACGTGTTTCGATGGGACTTTTC
CATCGATGGGACTTTCCATCGATGGAAAGTCCCA

1/22 SEQ ID NO:51

TTGTGACGTAACCTTTTCGATCCCCGCCCCATCGAAATTGCGCAAAATCGAAACACGTGAATCGATGGAAAG
TCCCATCGATTCACGTGTTTTCGAAATTGCGCAAAATCGATTCACGTGTTTCGATGGGGCGGGGATCGATG
GGGCGGGGATCGATTTTTCGCAATT

1/23 SEQ ID NO:52

AATGACGTCAAATCGATGGGACTTTCCATCGATTCACGTGTTTTCGATTTTTCGCAATTTTCGATTTGACGT
CATTTTCGATTTTTCGCAATTTTCGATGGGACTTTCCATCGATCCCCGCCCCATCGAAACACGTGAA

1/24 SEQ ID NO:53

TTTGACGTCATTTTCGATGGAAAGTCCCATCGATTTTTCGCAATTTTCGATTTTTCGCAATTTTCGATTCACG
TGTTTCGATTGTGACGTAACCTTTTCGATGGGACTTTCCATCGATTCACGTGTTTTCGATGGGGCGGGGATCG
ATGGAAAGTCCCATCGATTTGACGTCATT

1/25 SEQ ID NO:54

TGGGGCGGGGATCGATCCCCGCCCCATCGAAATTGCGCAAAATCGATCCCCGCCCCATCGAAATTGCGCA
AAATCGATGGAAAGTCCCATCGATTTGACGTCATTTTCGATGGGACTTTCCATCGATGGGACTTTCCATCG
AAATTGCGCAAAATCGATTCACGTGTTTTCGATTTGACGTCATTTTCGATTTGACGTCATTTTCGATTCACGT
GTTTCGAAATTGCGCAAAA

1/26 SEQ ID NO:55

TGGGACTTTCCATCGATCCCCGCCCCATCGAAATTGCGCAAAATCGATGGGACTTTCCATCGAAACACGT
GAATCGAAACACGTGAATCGATTCACGTGTTTTCGAAAGTTACGTCACAATCGATGGGACTTTCCATCGAA
ATTGCGCAAAATCGATGGAAAGTCCCATCGATTTTTCGCAATT

10/23

Figure 8d**1/27 SEQ ID NO:56**

AATTGCGCAAAATCGATTTGACGTCATTTGAAACACGTGAATCGAAAGTTACGTCACAATCGAAATTGC
GCAAAATCGAAACACGTGAATCGAAAGTTACGTCACAATCGATGGGACTTTCCATCGATGGGGCGGGGAT
CGATGGGACTTTCCATCGATGGGACTTTCCA

1/28 SEQ ID NO:57

TTCACGTGTTTCGATTGTGACGTAACCTTTTCGATGGAAAGTCCCATCGATGGGACTTTCCATCGAAACACG
TGAATCGAAACACGTGAATCGATTTGACGTCATTTTCGATGGGACTTTCCATCGATTACGTGTTTCGAAA
GTTACGTCACAATCGATGGGACTTTCCATCGATCCCCGCCCCATCGATGGGACTTTCCATCGATGGGGCG
GGGATCGATTACGTGTTTCGATTGTGACGTAACCTTTTCGATGGGACTTTCCATCGATCCCCGCCCCATCG
ATGGGACTTTCCATCGATTACGTGTTTCGAAAGTTACGTCACAA

1/29 SEQ ID NO:58

TGGGACTTTCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATGGGAC
TTCCATCGATGGGACTTTCCATCGA

1/30 SEQ ID NO:59

TTTGACGTCATTTGAAATTGCGCAAAATCGATGGGACTTTCCATCGATTACGTGTTTCGATTACGTG
TTTCGATGGGGCGGGGATCGATGGAAAGTCCCA

1/31 SEQ ID NO:60

AATTGCGCAAAATCGATGGGGCGGGGATCGATTTTTCGCAATTTTCGATTACGTGTTTCGAAAGTTACGT
CACAATCGATGGAAAGTCCCATCGATTTGACGTCATTTTCGATTTTTCGCAATTTTCGATGGAAAGTCCCAT
CGATTACGTGTTTCGATTTTTCGCAATTTTCGATGGGGCGGGGA

1/32 SEQ ID NO:61

TTCACGTGTTTCGATTGTGACGTAACCTTTTCGATCCCCGCCCCATCGATGGGACTTTCCATCGATGGGGCG
GGGATCGAAACACGTGAATCGAAACACGTGAATCGATGGGACTTTCCATCGATTGTGACGTAACCTTTCGA
TGGGACTTTCCATCGATTTGACGTCATTTTCGATGGGGCGGGGATCGAAATTGCGCAAAATCGATGGGGCG
GGGATCGATGGGGCGGGGATCGAAATTGCGCAAAA

1/33 SEQ ID NO:62

TTTGACGTCATTTTCGATGGAAAGTCCCATCGATTGTGACGTAACCTTTTCGATGGGACTTTCCATCGATCCC
CGCCCCATCGATCCCCGCCCCATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGATTGTGACGTAACCT
TTTCGATTGTGACGTAACCTTTTCGAAATGACGTCAAATCGATGGGACTTTCCATCGATTACGTGTTTCGAT
GGAAAGTCCCA

1/34 SEQ ID NO:63

TGGGGCGGGGATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGAAACACGTGAATCGAAACACGTGAA
TCGATTGTGACGTAACCTTTTCGATTTGACGTCATTTTCGAAACACGTGAATCGAAATTGCGCAAAATCGATT
CACGTGTTTCGAAATGACGTCAAATCGATGGAAAGTCCCATCGATTGTGACGTAACCTTTTCGATCCCCGCC
CCA

11/23

Figure 8e**1/3 SEQ ID NO:64**

TTTGACGTCATTTTCGATTTTTCGCAATTTTCGAAATGACGTCAAATCGAAACACGTGAATCGATTTTTCGCGC
AATTTTCGATCCCCGCCCCATCGATGGAAAGTCCCATCGAAATTGCGCAAAATCGATTACAGTGTTTCGAT
GGGGCGGGGATCGATGGAAAGTCCCATCGATGGGGCGGGGATCGATGGGGCGGGGA

1/36 SEQ ID NO:65

AACACGTGAATCGAAATGACGTCAAATCGATGGGACTTTCCATCGATGGGGCGGGGATCGAAAGTTACGT
CACAATCGATTGTGACGTAACTTTCGATGGGGCGGGGATCGATTGTGACGTAACTTTCGATCCCCGCCCC
ATCGATGGGACTTTCCATCGAAACACGTGAATCGATTTTTCGCAATTTTCGAAATGACGTCAA

1/37 SEQ ID NO:66

TGGGACTTTCCATCGAAAGTTACGTACAAATCGAAACACGTGAATCGAAACACGTGAATCGATTGTGACG
TAACTTTCGAAAGTTACGTACAAATCGATTTTTCGCAATTTTCGATGGGACTTTCCATCGATTTTTCGCA
TTTCGATGGGACTTTCCATCGATTGTGACGTAACTTTCGATGGGGCGGGGATCGAAAGTTACGTACAAAT
CGATTTGACGTCATTTTCGAAATGACGTCAAATCGATGGGGCGGGGATCGATGGAAAGTCCCATCGAAACA
CGTGAATCGATTTGACGTCATTTTCGATGGAAAGTCCCA

1/38 SEQ ID NO:67

TGGAAAGTCCCATCGATTTGACGTCATTTTCGATGGGACTTTCCATCGATTTGACGTCATTTTCGATTTGAC
GTCATTTTCGATTACAGTGTTTCGATGGGGCGGGGATCGATTTGACGTCATTTTCGAAATTGCGCAAAATCG
ATGGGACTTTCCATCGATGGGACTTTCCA

1/39 SEQ ID NO:68

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ACTTTTCGATTTTTCGCAATTTTCGATCCCCGCCCCATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGA
TGGGGCGGGGATCGATTACAGTGTTTCGATTACAGTGTTTCGATTTGACGTCATTTTCGATTTGACGTCAT
T

1/40 SEQ ID NO:69

TTACAGTGTTTCGATTGTGACGTAACTTTCGATGGGGCGGGGATCGATTTGACGTCATTTTCGAAACACGT
GAATCGATTGTGACGTAACTTTCGAAAGTTACGTACAAATCGATCCCCGCCCCATCGATGGGGCGGGGAT
CGAAAGTTACGTACAAATCGATGGGGCGGGGATCGATTGTGACGTAACTTTCGATGGGGCGGGGATCGAA
ACACGTGAATCGATGGGGCGGGGATCGAAATTGCGCAAAATCGATGGGACTTTCCATCGAAATTGCGCAA
AATCGAAACACGTGAATCGATGGGACTTTCCATCGATTGTGACGTAACTTTCGATTTTTCGCAATTTTCGA
TCCCCGCCCCA

1/41 SEQ ID NO:70

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CACAATCGATCCCCGCCCCATCGAAATTGCGCAAAATCGAAAGTTACGTACAAATCGAAACACGTGAATC
GATGGAAAGTCCCATCGATTTTTCGCAATTTTCGATTTGACGTCATT

12/23

Figure 8f**1/42 SEQ ID NO:71**

AAGTTACGTCACAATCGAAATTGCGCAAAATCGATCCCCGCCCCATCGATGGGACTTTCCATCGATTTTG
CGCAATTTTCGATTTTTCGCAATTTTCGAAAGTTACGTCACAATCGATTACGTGTTTCGAAACACGTGAAT
CGATTTTTCGCAATTTTCGAAATGACGTCAAATCGATGGGACTTTCCATCGATTTTTCGCAATTTTCGATTC
ACGTGTTTCGATGGGACTTTCCATCGATCCCCGCCCCATCGAAATTGCGCAAAATCGATTTGACGTCATT
TCGATGGAAAGTCCCATCGATGGGGCGGGGA

1/43 SEQ ID NO:72

TGGGGCGGGGATCGATTACGTGTTTCGATTGTGACGTAACTTTCGATGGGACTTTCCATCGATTGACG
TCATTTTCGATTTTTCGCAATTTTCGAAATGACGTCAAATCGAAACACGTGAATCGAAACACGTGAA

1/44 SEQ ID NO:73

TCCCCGCCCCATCGAAACACGTGAATCGAAACACGTGAATCGATTGTGACGTAACTTTCGAAATGACGTC
AAATCGAAATGACGTCAAATCGAAATTGCGCAAAATCGATGGGACTTTCCATCGATTACGTGTT

1/45 SEQ ID NO:74

AAGTTACGTCACAATCGATTTTTCGCAATTTTCGATGGAAAGTCCCATCGAAATGACGTCAAATCGATTTT
GCGCAATTTTCGAAATGACGTCAAATCGATGGGGCGGGGATCGATGGAAAGTCCCATCGATTACGTGTTT
CGATGGGGCGGGGATCGAAACACGTGAATCGATTTGACGTCATT

1/46 SEQ ID NO:75

TGGGACTTTCCATCGATGGGGCGGGGATCGATTACGTGTTTCGAAATGACGTCAAATCGATCCCCGCCC
CATCGAAACACGTGAATCGATTTTTCGCAATTTTCGATTACGTGTTTCGAAACACGTGAATCGATTTGAC
GTCATTTTCGATTGTGACGTAACTTTCGAAATGACGTCAAATCGATTACGTGTTTCGAAACACGTGAATC
GATTGTGACGTAACTTTCGAAACACGTGAATCGATGGGGCGGGGATCGATTTGACGTCATT

1/47 SEQ ID NO:76

AACACGTGAATCGAAACACGTGAATCGAAACACGTGAATCGAAACACGTGAATCGAAACACGTGAATCGA
AACACGTGAATCGAAACACGTGAATCGA

1/48 SEQ ID NO:77

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TTTCGATTTGACGTCATTTTCGATTGTGACGTAACTTTCGATCCCCGCCCCATCGATTACGTGTTTCGAT
GGGGCGGGGATCGAAATTGCGCAAAATCGATTACGTGTTTCGATTTTTCGCAATTTTCGATTTTTCGCAA
TTTCGATTTGACGTCATT

1/49 SEQ ID NO:78

AATTGCGCAAAATCGATTACGTGTTTCGATTGTGACGTAACTTTCGATCCCCGCCCCATCGATGGGACT
TTCCATCGATTGTGACGTAACTTTCGATTGACGTCATTTTCGATGGGGCGGGGATCGATCCCCGCCCCAT
CGAAATTGCGCAAAATCGATGGAAAGTCCCATCGAAATTGCGCAAAATCGAAACACGTGAATCGATTTGA
CGTCATT

Figure 8g**1/50 SEQ ID NO:79**

TTGTGACGTAAC TTTTCGATCCCCGCCCCATCGATTACAGTGTTTCGATTACAGTGTTTCGAAATGACGTC
AAATCGAAATTGCGCAAAA

1/51 SEQ ID NO:80

TTGTGACGTAAC TTTTCGAAATGACGTCAAATCGATCCCCGCCCCATCGATGGGACTTTCCATCGAAAGTT
ACGTCACAATCGATTTTGACGTCATTTTCGATGGGGCGGGGATCGATGGGACTTTCCATCGATGGGGCGGGG
ATCGAAATGACGTCAAATCGATTTTGCGCAATTTTCGAAACACGTGAATCGATCCCCGCCCCA

1/52 SEQ ID NO:81

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GTCAAATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGATTACAGTGTTTCGATGGAAAGTCCCATCG
ATTGTGACGTAAC TTTTCGATTTGACGTCATTTTCGATTTGACGTCATTTTCGATGGAAAGTCCCATCGAAAT
TGCGCAAAATCGAAATGACGTCAAATCGATTTGACGTCATTTTCGATGGGACTTTCCATCGAAATGACGTC
AAATCGATGGAAAGTCCCATCGATTGTGACGTAAC TTTTCGATGGGGCGGGGATCGA

1/53 SEQ ID NO:82

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GCAAAATCGATGGAAAGTCCCATCGAAAGTTACGTCACAATCGATTACAGTGTTTCGAAATTGCGCAAAA
TCGATGGGACTTTCCA

1/54 SEQ ID NO:83

TTTGACGTCATTTTCGATTTGACGTCATTTTCGATTTGACGTCATTTTCGATTTGACGTCATTTTCGATTTGAC
GTCATTTTCGATTTGACGTCATTTTCGATTTGACGTCATTTTCGA

1/55 SEQ ID NO:84

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TCCCATCGAAACACGTGAATCGATGGGACTTTCCA

1/56 SEQ ID NO:85

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GTTTCGATGGGGCGGGGATCGAAACACGTGAATCGAAAGTTACGTCACAATCGATTGTGACGTAAC TT

1/57 SEQ ID NO:86

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GTAAC TTTTCGATCCCCGCCCCATCGATTGTGACGTAAC TTTTCGATGGGACTTTCCATCGAAACACGTGAA

1/58 SEQ ID NO:87

TGGGACTTTCCATCGATGGGGCGGGGATCGAAATGACGTCAAATCGATTTGACGTCATT

1/59 SEQ ID NO:88

AATGACGTCAAATCGATCCCCGCCCCATCGATGGGGCGGGGATCGATTACAGTGTTTCGATTACAGTGTT
TCGATCCCCGCCCCATCGATTTTGCGCAATTTTCGATGGGACTTTCCATCGATTTTGCGCAATTTTCGATGG
GACTTTCCATCGAAAGTTACGTCACAATCGATTGTGACGTAAC TTTTCGAAACACGTGAATCGAAAGTTAC
GTCACAA

Figure 8h**1/60 SEQ ID NO:89**

TGGGGCGGGGATCGATGGGGCGGGGATCGATGGGGCGGGGATCGATGGGGCGGGGATCGATGGGGCGGGG
ATCGATGGGGCGGGGATCGATGGGGCGGGGA

1/61 SEQ ID NO:90

TCCCCGCCCCATCGAAATTGCGCAAAATCGATTTGACGTCATTTGATTTGACGTCATTTGATGGAAG
TCCCATCGAAATTGCGCAAAATCGAAACACGTGAATCGAAACACGTGAATCGAAATTGCGCAAAA

1/62 SEQ ID NO:91

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GATTTGTGACGTAACCTTTGATTTGTGACGTAACCTTTGCA

1/63 SEQ ID NO:92

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TCGATGGAAGTCCCATCGATGGGGCGGGGATCGAAATTGCGCAAAATCGATTTGACGTCATTTGATGG
GGCGGGGATCGAAAGTTACGTCACAATCGAAAGTTACGTCACAATCGATTTTGCACAATTTGAAACACG
TGAATCGAAACACGTGAATCGATTTTGCACAATTTGAAAGTTACGTCACAA

1/64 SEQ ID NO:93

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CACAATCGATTTGACGTCATTTGATTTTGCACAATTTGATTCACGTGTTTCGATCCCCGCCCCA

1/65 SEQ ID NO:94

AAGTTACGTCACAATCGATTTTGCACAATTTGATCCCCGCCCCATCGAAATTGCGCAAAATCGATTTGA
CGTCATTTGAAACACGTGAATCGATTCACGTGTTTCGAAAGTTACGTCACAATCGATTTTGCACAATT

1/66 SEQ ID NO:95

TTCACGTGTTTCGAAACACGTGAATCGATTTGACGTCATTTGATGGGGCGGGGATCGATGGGACTTTCC
ATCGAAATGACGTCAAATCGAAAGTTACGTCACAATCGAAACACGTGAATCGATTTGACGTCATTTGAT
CCCCGCCCCATCGAAACACGTGAATCGAAAGTTACGTCACAATCGATGGGACTTTCCATCGATTTGACGT
CATT

1/67 SEQ ID NO:96

TTCACGTGTTTCGATCCCCGCCCCATCGATCCCCGCCCCATCGATGGGACTTTCCATCGATTGTGACGTA
ACTTTGATTCACGTGTTTCGAAAGTTACGTCACAATCGATGGGACTTTCCATCGATGGAAGTCCCATC
GATGGGGCGGGGATCGATTGTGACGTAACCTTTGAAAGTTACGTCACAA

Figure 8i**1/68 SEQ ID NO:97**

TCCCCGCCCCATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGAAAGTTACGTCACAATCGATGGAAA
GTCCCATCGATTTGACGTCATTTCGAAATTGCGCAAAATCGATTACGTGTTTCGAAATGACGTCAAATC
GAAACACGTGAATCGATTTTGC GCAATTTGATTGTGACGTAAC TTTGATTACGTGTTTCGATTGTGA
CGTAACTTTGATGGAAAGTCCCATCGATGGGGCGGGGATCGAAATGACGTCAAATCGATGGGGCGGGGA
TCGAAATGACGTCAAATCGATGGGACTTTCCATCGATCCCCGCCCCATCGATTTGACGTCATTTGATTT
TGCGCAATTTGATTTGACGTCATTTGATTGTGACGTAAC TTTGATGGAAAGTCCCATCGATTTTGCG
CAATTTGAAACACGTGAATCGATTGTGACGTAAC TTTGAAATTGCGCAAAATCGATGGGGCGGGGA

1/69 SEQ ID NO:98

AACACGTGAATCGATGGGGCGGGGATCGATTTTGCGCAATTTGATTGACGTCATTTGAAAGTTACGT
CACAATCGATTTTGCGCAATTTGATTTTGCGCAATTTGATGGGGCGGGGATCGATGGGACTTTCCATC
GATTTGACGTCATT

1/70 SEQ ID NO:99

TTCACGTGTTTCGATGGAAAGTCCCATCGATGGGGCGGGGATCGATTGTGACGTAAC TTTGATGGGACT
TTCCATCGATTACGTGTTTCGATCCCCGCCCCATCGATTTGACGTCATTTGATTGTGACGTAAC TTT
GATTCACGTGTTTCGAAATGACGTCAAATCGATGGGGCGGGGATCGATGGGGCGGGGATCGATTTGACGT
CATTTGAAATTGCGCAAAA

1/71 SEQ ID NO:100

TTCACGTGTTTCGATGGAAAGTCCCATCGATTGTGACGTAAC TTTGATCCCCGCCCCATCGATTTGACG
TCATTTGATTGTGACGTAAC TTTGAAACACGTGAATCGATTTTGCGCAATTTGAAATGACGTCAAAT
CGATTTGACGTCATTTGATGGGACTTTCCA

1/72 SEQ ID NO:101

TTGTGACGTAAC TTTGAAAGTTACGTCACAATCGATTTGACGTCATTTGATCCCCGCCCCATCGAAAT
GACGTCAAATCGAAATTGCGCAAAATCGAAATGACGTCAAATCGATGGAAAGTCCCATCGATTTGACGTC
ATTTGATGGGGCGGGGATCGATTTTGCGCAATTTGATTTTGCGCAATTTGAAAGTTACGTCACAATC
GATTTGACGTCATTTGATGGAAAGTCCCATCGATTGTGACGTAAC TTTGATTACGTGTTTCGAAACA
CGTGAATCGAAATTGCGCAAAATCGAAAGTTACGTCACAATCGATCCCCGCCCCATCGATGGGGCGGGGA
TCGAAATTGCGCAAAA

1/73 SEQ ID NO:102

TTTTGCGCAATTTGATTTTGCGCAATTTGATTTTGCGCAATTTGATTTTGCGCAATTTGATTTTGCG
GCAATTTGATTTTGCGCAATTTGATTTTGCGCAATT

1/74 SEQ ID NO:103

AATGACGTCAAATCGATCCCCGCCCCATCGAAATGACGTCAAATCGAAATTGCGCAAAATCGATTTTGCG
CAATTTGAAACACGTGAATCGAAATTGCGCAAAATCGAAATGACGTCAAATCGATTTTGCGCAATTTGCG
ATTTTGCGCAATTTGATTTTGCGCAATT

Figure 8j**1/75 SEQ ID NO:104**

TGGGGCGGGGATCGATGGGGCGGGGATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATTGTGACG
TAACTTTTCGATGGGGCGGGGATCGATTGTGACGTAACCTTTCGAAATGACGTCAAATCGATTTTTCGCAAT
TTCGATCCCCGCCCA

1/76 SEQ ID NO:105

TTTTGCGCAATTTTCGATTGTGACGTAACCTTTCGATGGGGCGGGGATCGATGGGGCGGGGATCGATGGGGC
GGGGATCGATGGGGCGGGGATCGATTGTGACGTAACCTTTCGATTTTTCGCAATTTTCGAAATGACGTCAA
TCGAAACACGTGAATCGATTGTGACGTAACCTT

1/77 SEQ ID NO:106

AACACGTGAATCGATTGTGACGTAACCTTTCGATTACGTGTTTCGATGGGACTTTCCATCGATTGTGACG
TAACTTTTCGATCCCCGCCCATCGATGGGACTTTCCATCGATTGTGACGTAACCTTTCGATGGGACTTTCC
ATCGATCCCCGCCCATCGATTGTGACGTAACCTTTCGAAATGACGTCAAATCGATTGTGACGTAACCTTTC
GATCCCCGCCCATCGATGGGGCGGGGA

1/78 SEQ ID NO:107

AAGTTACGTCACAATCGATGGGGCGGGGATCGATGGGGCGGGGATCGAAATGACGTCAAATCGATGGGGC
GGGGATCGATCCCCGCCCATCGATTGTGACGTAACCTTTCGATGGAAAGTCCCATCGAAATTGCGCAAAA

1/79 SEQ ID NO:108

TTGTGACGTAACCTTTCGATTGTGACGTAACCTTTCGAAAGTTACGTCACAATCGATTACGTGTTTCGAAA
GTTACGTCACAATCGAAATGACGTCAAATCGATTGTGACGTAACCTTTCGATTTTTCGCAATTTTCGAAATG
ACGTCAAATCGATGGGACTTTCCATCGATTTTTCGCAATTTTCGAAACACGTGAATCGAAATTGCGCAAAA

1/80 SEQ ID NO:109

TTCACGTGTTTCGATGGGGCGGGGATCGATTTGACGTCATTTTCGAAACACGTGAATCGAAAGTTACGTCA
CAATCGAAAGTTACGTCACAATCGAAATTGCGCAAAATCGATGGGGCGGGGATCGATTACGTGTTTCGA
TGGGGCGGGGA

1/81 SEQ ID NO:110

AATTGCGCAAAATCGATGGGGCGGGGATCGATTTGACGTCATTTTCGAAATTGCGCAAAATCGATGGGGCG
GGGATCGATTGTGACGTAACCTTTCGATGGGGCGGGGATCGAAAGTTACGTCACAA

1/82 SEQ ID NO:111

AATTGCGCAAAATCGATTACGTGTTTCGAAATTGCGCAAAATCGATTTTTCGCAATTTTCGATCCCCGCC
CCATCGATTTTTCGCAATTTTCGAAAGTTACGTCACAATCGAAATGACGTCAAATCGAAATTGCGCAAAAT
CGATGGGACTTTCCATCGAAATGACGTCAAATCGAAATGACGTCAAATCGATCCCCGCCCA

1/83 SEQ ID NO:112

AAGTTACGTCACAATCGAAATGACGTCAAATCGAAAGTTACGTCACAATCGATGGGACTTTCCATCGATT
TTGCGCAATTTTCGATCCCCGCCCATCGATGGGACTTTCCATCGATCCCCGCCCA

Figure 8k**1/84 SEQ ID NO:113**

AATTGCGCAAAATCGAAATGACGTCAAATCGAAATTGCGCAAAATCGAAAGTTACGTCACAATCGATCCC
CGCCCCATCGATGGGGCGGGGATCGATTCACGTGTTTCGATTTTTCGCAATTTTCGATTTGACGTCATTTTC
GATGGGGCGGGGATCGATTTGACGTCATT

1/85 SEQ ID NO:114

AATGACGTCAAATCGAAACACGTGAATCGATTCACGTGTTTCGAAACACGTGAATCGATTTTTCGCAATT
TCGATGGGGCGGGGATCGATTGTGACGTAACTTTTCGATGGGGCGGGGATCGAAAGTTACGTCACAATCGA
TTGTGACGTAACTTTTCGAAAGTTACGTCACAATCGAAACACGTGAATCGATGGGGCGGGGA

1/86 SEQ ID NO:115

TCCCCGCCCCATCGATTCACGTGTTTCGATGGGACTTTCCATCGATTGTGACGTAACTTTTCGAAACACGT
GAATCGAAATTGCGCAAAATCGATTGTGACGTAACTTTTCGAAATGACGTCAAATCGATTCACGTGTTTCG
AAAGTTACGTCACAATCGATTTGACGTCATTTTCGAAATGACGTCAA

1/87 SEQ ID NO:116

AAGTTACGTCACAATCGATTTGACGTCATTTTCGAAATTGCGCAAAATCGATGGGGCGGGGATCGATTGTG
ACGTAACTTTTCGATGGGGCGGGGATCGATGGGGCGGGGATCGAAACACGTGAATCGAAAGTTACGTCACA
ATCGAAATGACGTCAAATCGAAACACGTGAA

1/88 SEQ ID NO:117

AATGACGTCAAATCGATGGAAAGTCCCATCGATGGGGCGGGGATCGATTCACGTGTTTCGAAATGACGTC
AAATCGATGGGGCGGGGATCGATTTGACGTCATTTTCGATGGAAAGTCCCATCGATCCCCGCCCCATCGAT
TGTGACGTAACTTTTCGATTGTGACGTAACTT

1/89 SEQ ID NO:118

AATGACGTCAAATCGATGGGGCGGGGATCGATGGGGCGGGGATCGAAATTGCGCAAAATCGATTTGACGT
CATTTTCGATTTGACGTCATTTTCGAAATTGCGCAAAA

1/90 SEQ ID NO:119

TTGTGACGTAACTTTTCGAAATGACGTCAAATCGATCCCCGCCCCATCGAAATTGCGCAAAATCGATTGTG
ACGTAACTTTTCGATTCACGTGTTTCGAAAGTTACGTCACAATCGATCCCCGCCCCATCGATTGTGACGTA
ACTTTTCGATGGGGCGGGGATCGATTTGACGTCATT

1/91 SEQ ID NO:120

TTACGTGTTTCGAAATTGCGCAAAATCGATTTGACGTCATTTTCGAAACACGTGAATCGAAAGTTACGTC
ACAATCGAAAGTTACGTCACAATCGATTGTGACGTAACTTTTCGATTTTTCGCAATTTTCGATTTTTCGCA
TTTCGATCCCCGCCCCATCGAAATTGCGCAAAATCGATTTGACGTCATTTTCGATTTGACGTCATTTTCGAT
TTTTCGCAATTTTCGAAATGACGTCAAATCGATGGGGCGGGGA

1/92 SEQ ID NO:121

AATGACGTCAAATCGATTCACGTGTTTCGATTGTGACGTAACTTTTCGATTTGACGTCATTTTCGAAAGTTA
CGTCACAATCGAAAGTTACGTCACAATCGAAACACGTGAATCGAAAGTTACGTCACAATCGAAACACGTG
AATCGATTTTTCGCAATT

Figure 81**1/93 SEQ ID NO:122**

TTTTGCGCAATTTTCGAAAGTTACGTCACAATCGATGGGGCGGGGATCGAAACACGTGAATCGATCCCCGC
CCCATCGATGGGGCGGGGATCGATGGGACTTTCCATCGATTGTGACGTAACTTTCGATTTGACGTCATTT
CGATTGTGACGTAACCTT

1/94 SEQ ID NO:123

AATTGCGCAAAATCGAAACACGTGAATCGATGGGGCGGGGATCGATGGAAAGTCCCATCGATGGGACTTT
CCATCGATTGTGACGTAACCTTTTCGATTTGACGTCATTTTCGATGGGGCGGGGATCGATTGTGACGTAACCTT
TCGATGGGACTTTCCATCGATTGTGACGTAACCTTTTCGAAATGACGTCAAATCGATTGTGACGTAACCTT

1/95 SEQ ID NO:124

TCCCCGCCCCATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGAAAGTTACGTCACAATCGAAAGTTA
CGTCACAATCGATTCACGTGTTTCGAAATGACGTCAAATCGAAATTGCGCAAAATCGATTTGACGTCATT
TCGAAATGACGTCAA

1/96 SEQ ID NO:125

AACACGTGAATCGATTTTTCGCAATTTTCGATTCACGTGTTTCGAAATTGCGCAAAATCGAAACACGTGAA
TCGAAACACGTGAATCGAAATTGCGCAAAATCGATTGTGACGTAACCTTTTCGATGGGGCGGGGATCGAAAT
GACGTCAAATCGATTGTGACGTAACCTTTTCGATTGTGACGTAACCTTTTCGATTTTTCGCAATT

2/01 SEQ ID NO:126

TGGGACTTTCCATCGATGGGGCGGGGATCGAAACACGTGAATCGATTACGTGTTTCGATGGGACTTTCC
ATCGATTACGTGTTTCGATTACGTGTTTCGATGGGACTTTCCATCGATGGGACTTTCCATCGATGGGA
CTTTCCATCGATTACGTGTTTCGAAACACGTGAATCGATGGGACTTTCCATCGATTACGTGTT

2/02 SEQ ID NO:127

AACACGTGAATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGAAACACGTG
AATCGAAACACGTGAATCGATTACGTGTTTCGATGGAAAGTCCCATCGATTACGTGTTTCGAAATTGC
GCAAATCGATGGAAAGTCCCATCGATTACGTGTTTCGATGGGACTTTCCATCGATGGGACTTTCCATC
GATTACGTGTTTCGA

2/03 SEQ ID NO:128

AACACGTGAATCGAAACACGTGAATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGAAACACGTGAAT
CGATGGAAAGTCCCATCGATTACGTGTTTCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATTAC
GTGTTTCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATTTTTCGCAATT

2/04 SEQ ID NO:129

TGGGACTTTCCATCGAAACACGTGAATCGATGGGACTTTCCATCGAAACACGTGAATCGATGGGACTTTCC
CATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGAAACACGTGAATCGATGGGACTTTCCA

Figure 8m**2/05 SEQ ID NO:130**

TGGAAAGTCCCATCGATGGGACTTTCCATCGATGGGGCGGGATCGATGGGACTTTCCATCGAAATTGCG
CAAAATCGATTACGTGTTTCGATTACGTGTTTCGATGGGACTTTCCATCGATTTTGC GCAATTCGAT
GGGACTTTCCATCGATTACGTGTTTCGATGGGACTTTCCATCGATGGAAAGTCCCA

2/06 SEQ ID NO:131

TGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATTACG
TGTTTCGATGGGACTTTCCATCGATCCCCGCCCCATCGATTACGTGTTTCGATGGAAAGTCCCATCGAA
ACACGTGAATCGAAATTGCGCAAAA

2/07 SEQ ID NO:132

TGGAAAGTCCCATCGATGGAAAGTCCCATCGATTACGTGTTTCGATGGGACTTTCCATCGATCCCCGCC
CCATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATTTTGC GCAATTCG
ATGGGACTTTCCA

2/08 SEQ ID NO:133

TTACGTGTTTCGATTACGTGTTTCGATGGAAAGTCCCATCGAAATTGCGCAAAAATCGATGGAAAGTCC
CATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGAT
GGAAAGTCCCATCGAAACACGTGAA

2/09 SEQ ID NO:134

TGGAAAGTCCCATCGATGGAAAGTCCCATCGAAACACGTGAATCGATGGGACTTTCCATCGATTTTGC G
CAATTCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATTACGTGTTTCGATGGGACTTTCCATCGA
TGGGGCGGGATCGATTACGTGTTTCGAAACACGTGAA

2/10 SEQ ID NO:135

TTACGTGTTTCGATGGGACTTTCCATCGAAATTGCGCAAAAATCGATGGAAAGTCCCATCGATGGGACTT
TCCATCGATTACGTGTTTCGATGGGACTTTCCATCGATTTTGC GCAATTCGATGGGACTTTCCATCGA
TGGGACTTTCCATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGATGGGACTTTCCATCGATGGGACT
TTCCATCGATGGAAAGTCCCA

2/11 SEQ ID NO:136

AACACGTGAATCGATGGAAAGTCCCATCGAAACACGTGAATCGATGGGACTTTCCATCGATGGAAAGTCC
CATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATTACGTGTTTCGATG
GAAAGTCCCATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATTTTGC G
CAATTCGATGGAAAGTCCCATCGATTACGTGTTTCGATGGGACTTTCCATCGATTACGTGTTTCGATG
GGACTTTCCATCGATTACGTGTT

2/12 SEQ ID NO:137

TGGAAAGTCCCATCGATTACGTGTTTCGATGGGACTTTCCATCGATGGGACTTTCCATCGAAATTGCG C
AAAATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATTACGTGTTTCGA
TTTTGC GCAATTCGAAACACGTGAA

Figure 8n**2/13 SEQ ID NO:138**

AACACGTGAATCGATTTTGC GCAATTT CGAAATTGCGCAAAATCGAAACACGTGAATCGAAATTGCGCAA
AATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATTACGTGTTTCGATGGGACTTTCCATCGATG
GAAAGTCCCATCGAAACACGTGAATCGAAACACGTGAATCGATCCCCGCCCCATCGATGGGACTTTCCAT
CGATGGGGCGGGGATCGATGGGACTTTCCATCGAAACACGTGAATCGATTTTGC GCAATTT CGATGGGAC
TTTCCA

2/14 SEQ ID NO:139

AACACGTGAATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGGGCGG
GGATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGATTTTGC GCAATTT CGA
TGAAAGTCCCATCGATGGGGCGGGGATCGATGGGACTTTCCA

2/15 SEQ ID NO:140

TGGGACTTTCCATCGATCCCCGCCCCATCGATTACGTGTTTCGATGGAAAGTCCCATCGATGGAAAGT
CCCATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATTACGTGTTTCGATGGGACTTTCCA

2/16 SEQ ID NO:141

TGGGACTTTCCATCGATCCCCGCCCCATCGAAACACGTGAATCGATGGGACTTTCCATCGATGGAAAGT
CCCATCGAAATTGCGCAAAATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATCCCCGCCCCATC
GATGGGGCGGGGA

2/17 SEQ ID NO:142

TTCACGTGTTTCGATGGGACTTTCCATCGATCCCCGCCCCATCGATCCCCGCCCCATCGATTACGTGT
TTCGAAACACGTGAATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATT
CACGTGTTTCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGATGGAAAGTCC
CATCGAAATTGCGCAAAATCGATGGGACTTTCCATCGAAACACGTGAATCGATTACGTGTTTCGATGG
GACTTTCCATCGATGGGACTTTCCATCGATGGGACTTTCCA

2/18 SEQ ID NO:143

TGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATCCCCG
CCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATCCCCGCCCCATCGATTACGTGTTTCGA
TGGGACTTTCCATCGATTTTGC GCAATTT CGAAACACGTGAA

2/19 SEQ ID NO:144

TTCACGTGTTTCGATGGAAAGTCCCATCGATGGGACTTTCCATCGAAATTGCGCAAAATCGATGGGACTT
TCCATCGATGGGACTTTCCATCGATTACGTGTTTCGATGGGGCGGGGATCGATGGGACTTTCCATCGAT
GGGACTTTCCATCGAAACACGTGAATCGAAATTGCGCAAAATCGATGGGACTTTCCATCGAAACACGTGA
A

Figure 8o**2/20 SEQ ID NO:145**

AACACGTGAATCGAAACACGTGAATCGATGGAAAGTCCCATCGATTCACGTGTTTCGATTCACGTGTTTC
GAAACACGTGAATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGATTCACGTGTTTCGATGGGACTTT
CCATCGATTCACGTGTTTCGATGGGACTTTCCATCGATCCCCGCCCCA

2/21 SEQ ID NO:146

TGGGACTTTCCATCGATGGGACTTTCCATCGATTCACGTGTTTCGAAACACGTGAATCGATGGAAAGTCC
CATCGATGGGACTTTCCATCGATGGGGCGGGGATCGATTCACGTGTTTCGATGGAAAGTCCCATCGATTC
ACGTGTTTCGA

2/22 SEQ ID NO:147

TGGGACTTTCCATCGATTCACGTGTTTCGATCCCCGCCCCATCGAAACACGTGAATCGATGGAAAGTCCC
ATCGATTTTGC GCAATTTTCGATTCACGTGTTTCGATGGAAAGTCCCATCGAAACACGTGAATCGATGGGA
CTTTCCA

2/23 SEQ ID NO:148

TGGAAAGTCCCATCGATTCACGTGTTTCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGGGCGG
GGATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATGGGGCGGGGATCGA
TTCACGTGTT

2/24 SEQ ID NO:149

AATTGCGCAAAATCGAAACACGTGAATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGAAACACGTG
AATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGATGGGACTTTCCATCGATTCACGTGTTTCGATGG
GGCGGGGATCGATGGGACTTTCCATCGAAATTGCGCAAAATCGATGGGACTTTCCA

2/25 SEQ ID NO:150

TGGGACTTTCCATCGATCCCCGCCCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATGGGACT
TTCCATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATTTTGC GCAATTTTCGATGGAAAGTCCCAT
CGATGGGACTTTCCA

2/26 SEQ ID NO:151

TTTTGCGCAATTTTCGATTCACGTGTTTCGATCCCCGCCCCATCGATGGGACTTTCCATCGATCCCCGCCC
CATCGATGGAAAGTCCCATCGAAACACGTGAATCGATGGGGCGGGGATCGATTCACGTGTTTCGATGGAA
AGTCCCATCGATCCCCGCCCCA

2/27 SEQ ID NO:152

TGGAAAGTCCCATCGATGGGACTTTCCATCGATTCACGTGTTTCGATGGAAAGTCCCATCGATGGAAAGT
CCCATCGAAACACGTGAATCGAAACACGTGAATCGAAATTGCGCAAAATCGAAACACGTGAATCGATCCC
CGCCCCATCGATTCACGTGTTTCGA

2/28 SEQ ID NO:153

AACACGTGAATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATGGAAAGT
CCCATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATTTTGC GCAATT

Figure 8p**2/29 SEQ ID NO:154**

AATTGCGCAAAATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGATCCCCGCCCCATCGATTACGTG
TTTCGATGGAAAGTCCCATCGATTACGTGTTTCGATGGGACTTTCCATCGAAACACGTGAATCGATGGA
AAGTCCCATCGATTTTTCGCAATTTTCGATGGGACTTTCCATCGA

2/30 SEQ ID NO:155

AACACGTGAATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGAAACACGTG
AATCGATGGGACTTTCCATCGATTTTTCGCAATTTTCGATGGAAAGTCCCATCGATGGAAAGTCCCA

2/31 SEQ ID NO:156

TTCACGTGTTTCGATCCCCGCCCCATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGATCCCCGCCCC
ATCGAAACACGTGAATCGATTTTTCGCAATTTTCGATGGAAAGTCCCATCGAAACACGTGAATCGATGGAA
AGTCCCATCGATGGGACTTTCCA

2/32 SEQ ID NO:157

TGGGACTTTCCATCGATGGGACTTTCCATCGATCCCCGCCCCATCGAAACACGTGAATCGATTACGTGT
TTCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATCCCCGCCCCATCGAAACACGTGAATCGAAACA
CGTGAA

2/33 SEQ ID NO:158

TGGAAAGTCCCATCGAAACACGTGAATCGATGGGGCGGGGATCGATGGGACTTTCCATCGATGGAAAGTC
CCATCGAAACACGTGAATCGATTACGTGTTTCGAAATTGCGCAAAATCGATGGAAAGTCCCATCGA

2/34 SEQ ID NO:159

TTTTGCGCAATTTTCGAAACACGTGAATCGATCCCCGCCCCATCGATGGAAAGTCCCATCGATGGGACTTT
CCATCGATGGGACTTTCCATCGATGGGGCGGGGATCGAAACACGTGAA

2/35 SEQ ID NO:160

TGGAAAGTCCCATCGATGGAAAGTCCCATCGATGGGGCGGGGATCGATTTTTCGCAATTTTCGATCCCCGC
CCCATCGAAATTGCGCAAAATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATC
GATGGAAAGTCCCATCGAAATTGCGCAAAA

2/36 SEQ ID NO:161

TGGAAAGTCCCATCGAAACACGTGAATCGATGGAAAGTCCCATCGATGGGGCGGGGATCGATGGGACTTT
CCATCGATGGGACTTTCCATCGAAATTGCGCAAAATCGAAACACGTGAATCGATGGGGCGGGGA

2/37 SEQ ID NO:162

TCCCCGCCCCATCGATGGGACTTTCCATCGATGGGACTTTCCATCGATGGAAAGTCCCATCGATGGGACT
TTCCATCGAAACACGTGAATCGAAACACGTGAATCGATCCCCGCCCCATCGATCCCCGCCCCA

2/38 SEQ ID NO:163

TGGGGCGGGGATCGAAACACGTGAATCGATTTTTCGCAATTTTCGATGGGACTTTCCATCGATGGGACTTT
CCATCGATTACGTGTTTCGATTACGTGTTTCGATGGAAAGTCCCA

Figure 8q**2/39 SEQ ID NO:164**

TGGGACTTTCCATCGATGGGACTTTCCATCGATGGGGCGGGGATCGATTCACGTGTTTCGATTTTGCGCA
ATTTTCGATTCACGTGTTTCGATGGGACTTTCCA

2/40 SEQ ID NO:165

TCCCCGCCCCATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGATTCACGTGTTTCGATGGGGCGGG
GATCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATTTTGC GCAATTTTCGATGGGGCGGGGA

2/41 SEQ ID NO:166

AACACGTGAATCGAAATTGCGCAAAATCGATTCACGTGTTTCGAAACACGTGAATCGAAATTGCGCAAAA
TCGATGGAAAGTCCCATCGATGGAAAGTCCCATCGATTCACGTGTTTCGAAATTGCGCAAAA

2/42 SEQ ID NO:167

TGGAAAGTCCCATCGATGGGGCGGGGATCGATGGAAAGTCCCATCGATGGGACTTTCCATCGAAACACGT
GAATCGATGGGGCGGGGATCGAAATTGCGCAAAATCGAAATTGCGCAAAA

2/43 SEQ ID NO:168

TGGGGCGGGGATCGATTCACGTGTTTCGAAATTGCGCAAAATCGATGGGACTTTCCATCGATCCCCGCCC
CATCGATGGGACTTTCCATCGATGGGGCGGGGATCGAAATTGCGCAAAATCGATGGGACTTTCCA

2/44 SEQ ID NO:169

TTTTGCGCAATTTGAAACACGTGAATCGATTCACGTGTTTCGAAACACGTGAATCGATTTTGCGCAATT
TCGATTCACGTGTTTCGAAATTGCGCAAAATCGATTTTGCGCAATTTTCGATTCACGTGTTTCGATGGGAC
TTTCCA