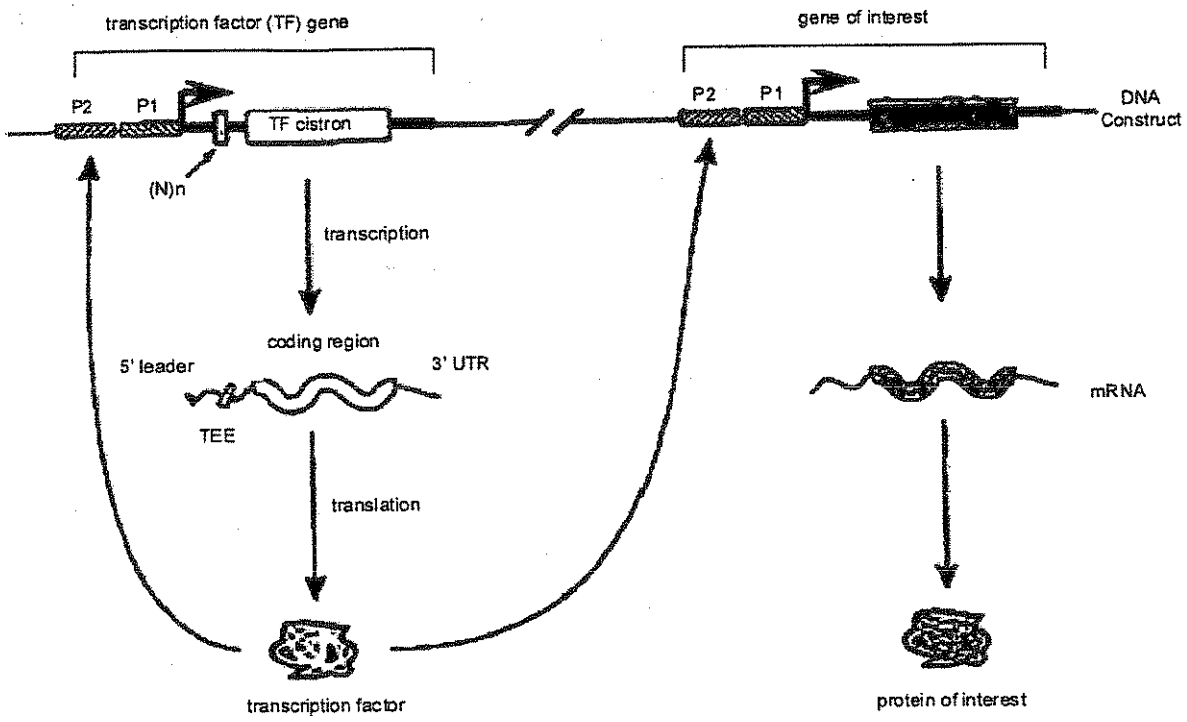


Promoter Elements:

P1: - minimal promoter (TATA)
- regulatable promoter

P2: - upstream activating sequence (UAS; one to multiple copies)
- T7 promoter
- other transcription elements

Transcription factor genes:

- GAL4, GAL4/VP16
- T7 RNA polymerase
- other transcription factors

Genes of Interest:

- fluorescent protein genes (e.g. enhanced green fluorescent protein; EGFP)
- luciferase genes (*Renilla* or *Photinus*)
- therapeutic protein (e.g. monoclonal antibodies)

FIG. 1

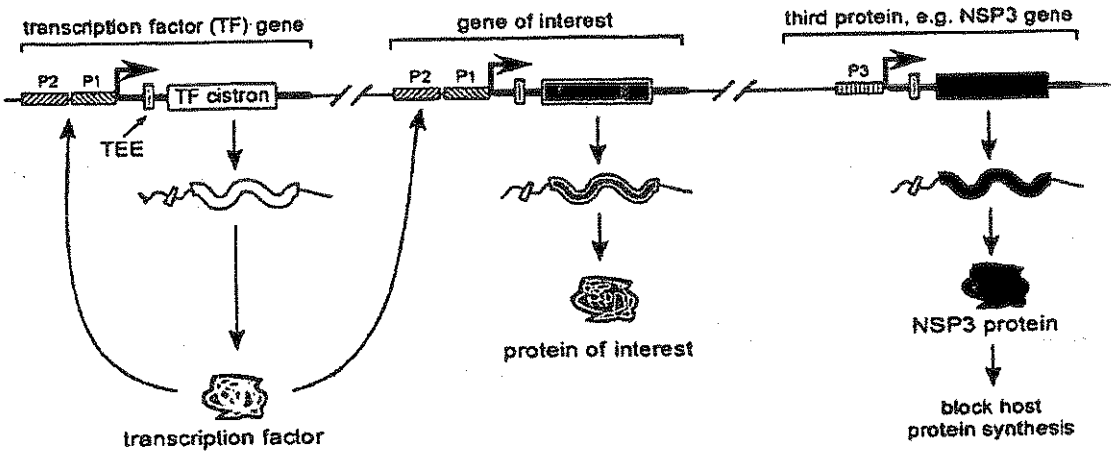

transcription factor (TF) gene
gene of interest
third protein, e.g. NSP3 gene
P2
P1
TF cistron
TEE
P2
P1
P3
protein of interest
NSP3 protein
block host
protein synthesis
transcription factor

FIG. 2

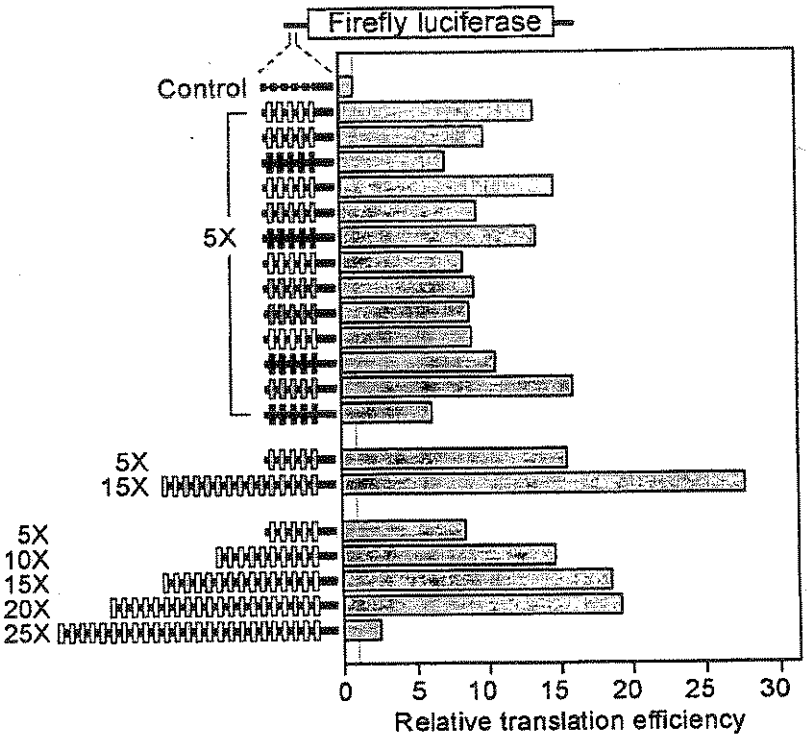

Firefly luciferase
Control
5X
5X
15X
5X
10X
15X
20X
25X
0
5
10
15
20
25
30
Relative translation efficiency

FIG. 3

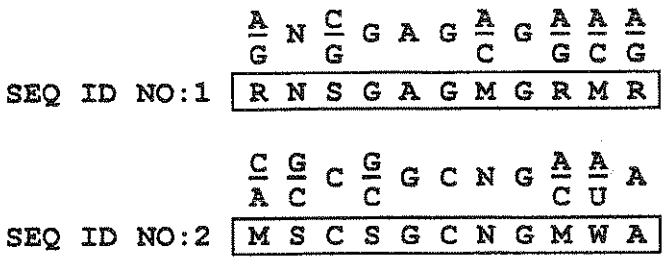

A/G N C/G G A G A/C G A/G A/C A/G
SEQ ID NO:1
R N S G A G M G R M R
C/A G/C C G/C G C N G A/C A/U A
SEQ ID NO:2
M S C S G C N G M W A

FIG. 4

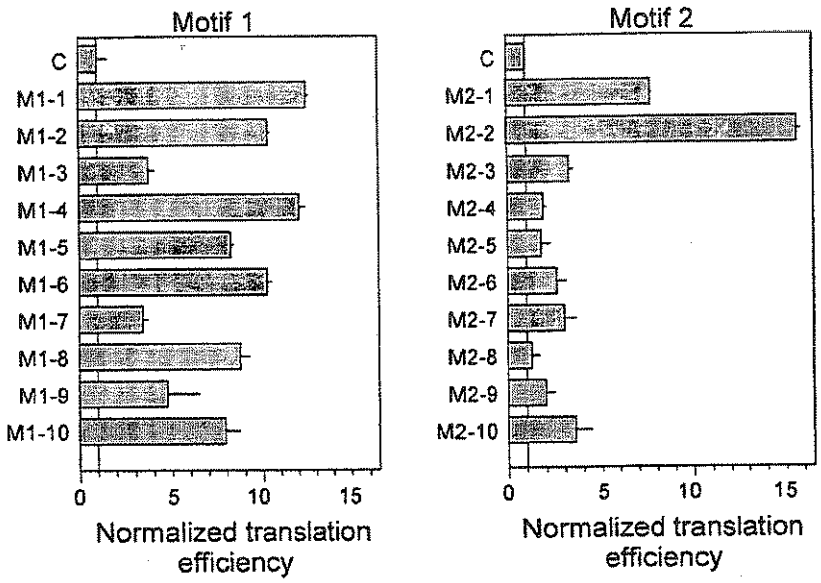

Motif 1
C
M1-1
M1-2
M1-3
M1-4
M1-5
M1-6
M1-7
M1-8
M1-9
M1-10
0
5
10
15
Normalized translation efficiency
Motif 2
C
M2-1
M2-2
M2-3
M2-4
M2-5
M2-6
M2-7
M2-8
M2-9
M2-10
0
5
10
15
Normalized translation efficiency

FIG. 5