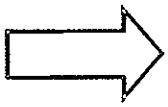
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Figure 1.

Expression Vectors Encoding a Destabilised mRNA





Any promoter or promoter element



Protein or polypeptide encoding region



mRNA destabilising element



Polyadenylation signal

5'-untranslated region (5'-UTR)



3'-untranslated region (3'-UTR)

Figure 2.

Transcription Reporter Vectors

Fig. 2a. Vector Series 2

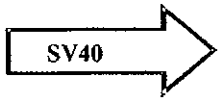


Fig. 2b. Vector Series 3



Fig. 2c. Vector Series 4





SV40 or other constitutive promoter



Tetracycline Responsive Element



Minimal Cytomegalovirus (CMV) promoter



Region encoding any variant of enhanced green fluorescent protein (EGFP). Each vector in the series encodes a different variant.



Multiple Cloning Site (any site useful for inserting DNA fragments)



Polyadenylation signal

5'-untranslated region (5'-UTR)

3'-untranslated region (3'-UTR)



mRNA destabilising element

Figure 3.

Bi-directional Transcription Reporter Vectors

Fig. 3a. Vector Series 5

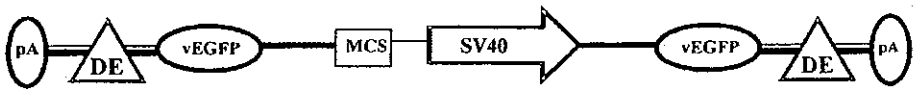
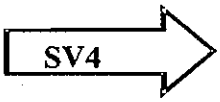


Fig. 3b. Vector Series 6

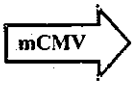




SV40 or other constitutive



Tetracycline Responsive



Minimal Cytomegalovirus (CMV)



Region encoding anyenhanced green fluorescent proteir
Each vector in the series encodes a



Multiple Cloning Site (any site useful for inserting



Polyadenylation

5'-untranslated region (5'-

3'-untranslated region (3'-



mRNA destabilising

Spacer region to separate promoters. Can contain additional polyadenylation signals.

Figure 4.

Reporter Vectors For Studying Post-transcriptional Regulation

Fig. 4a. Vector Series 7

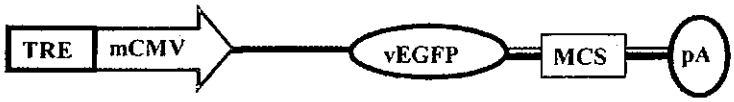


Fig. 4b. Vector Series 8



TRE	Tetracycline Responsive Element
mCMV	Minimal Cytomegalovirus (CMV) promoter
vEGFP	Region encoding any variant ofenhanced green fluorescent protein (EGFP) Each vector in the series encodes a different variant.
MCS	Multiple Cloning Site (any site useful for inserting DNA fragments)
pA	Polyadenylation signal
———	5'-untranslated region (5'-UTR)
═══	3'-untranslated region (3'-UTR)

Figure 5.

Evidence For Errors Associated with Co-transfection in Luciferase-based

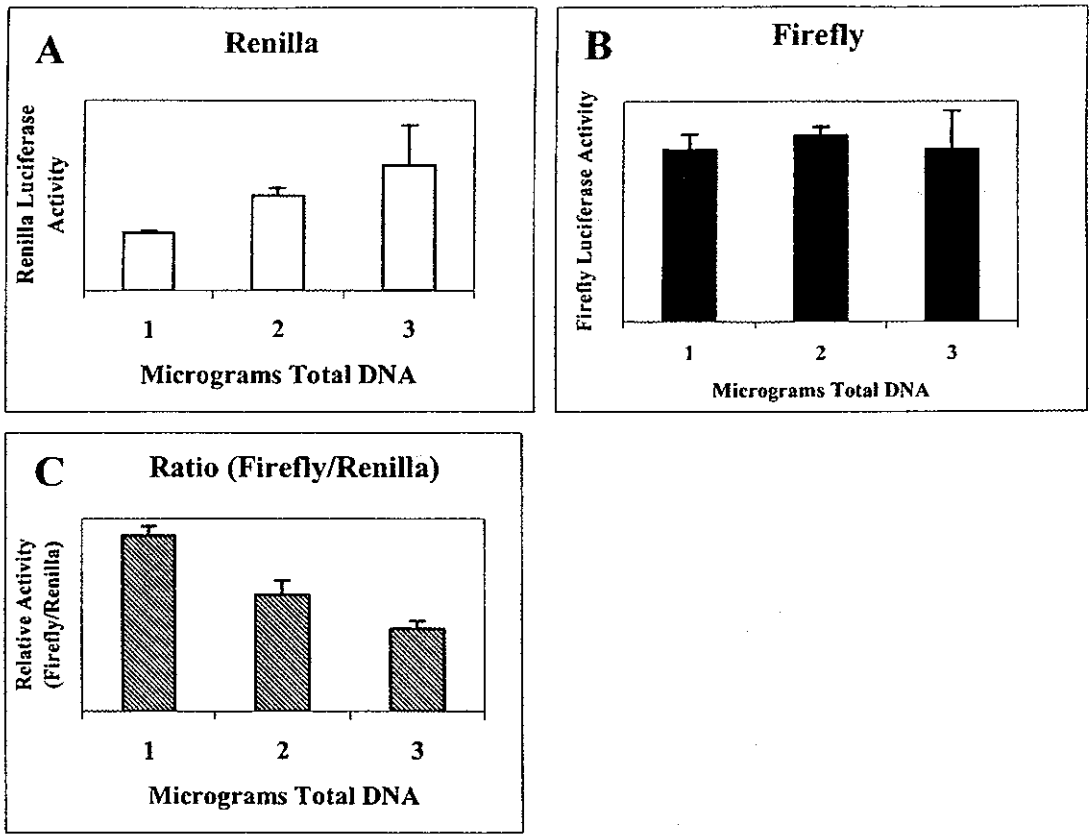


Figure 6.

Evidence For Errors Associated with Dual Luciferase Assay.

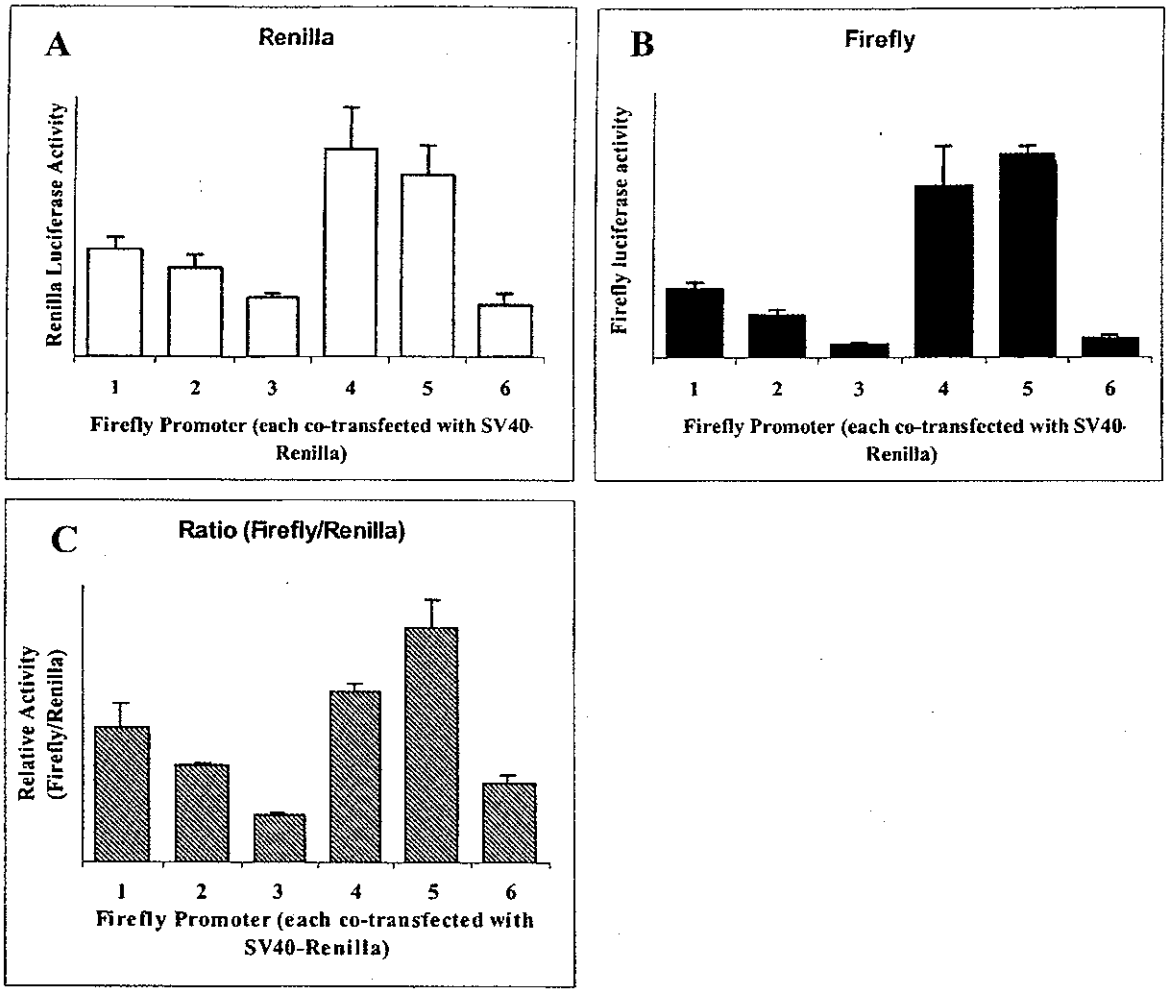
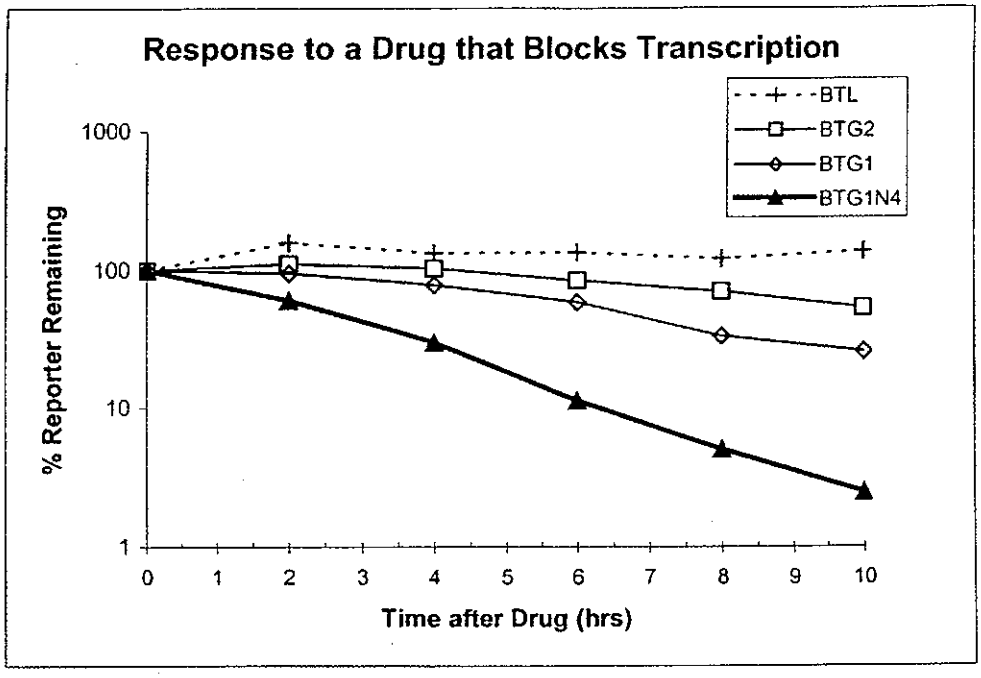
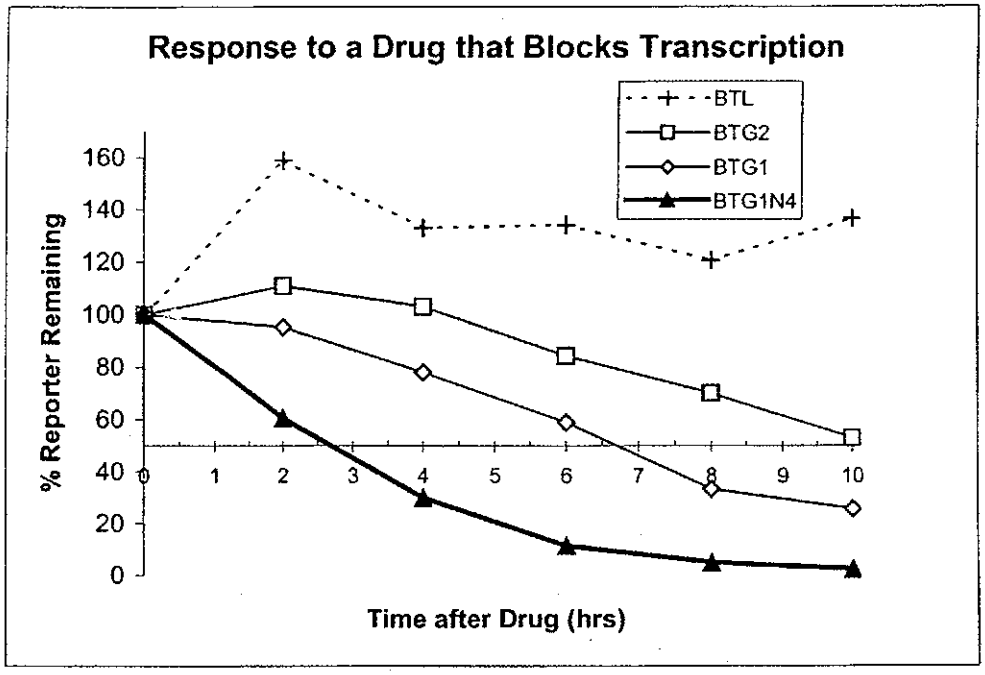


Figure 7.


Response to a Drug that Blocks Transcription
BTL
BTG2
BTG1
BTG1N4
% Reporter Remaining
1000
100
10
1
0
1
2
3
4
5
6
7
8
9
10
Time after Drug (hrs)

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Figure 8.



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Figure 9.

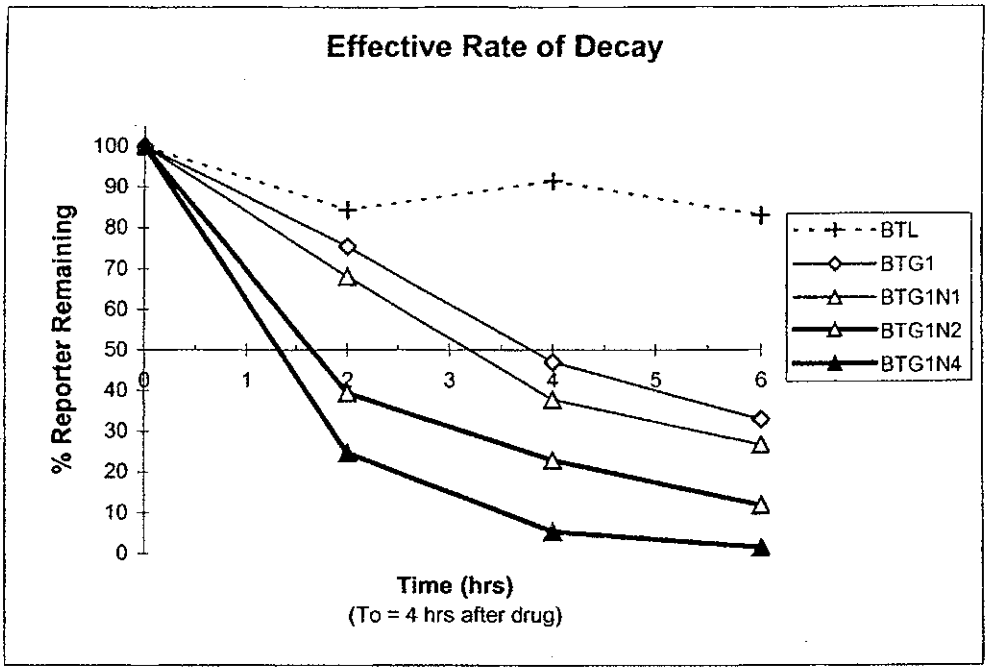


Figure 10

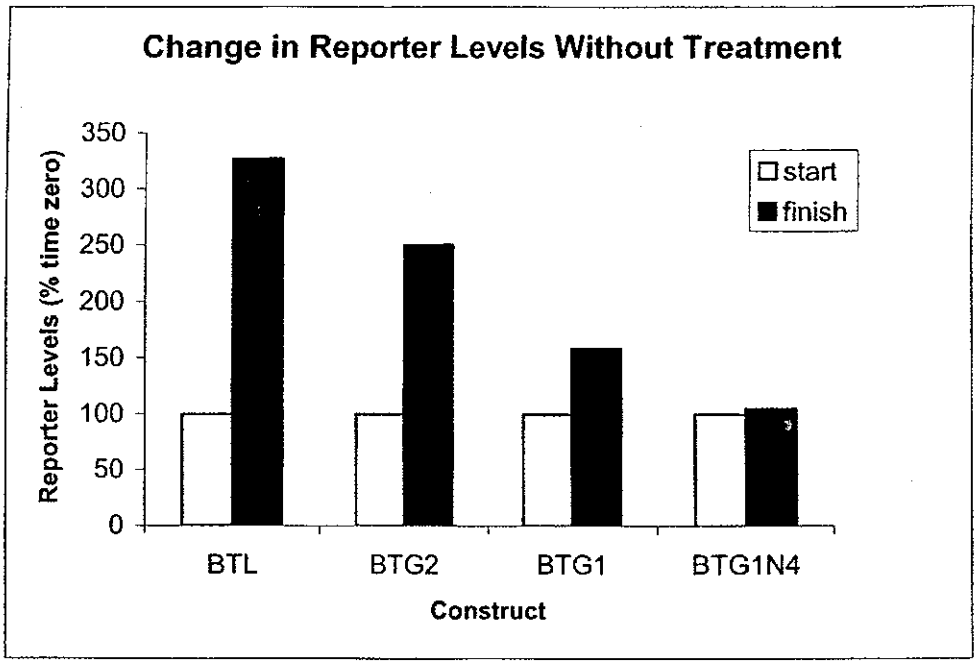
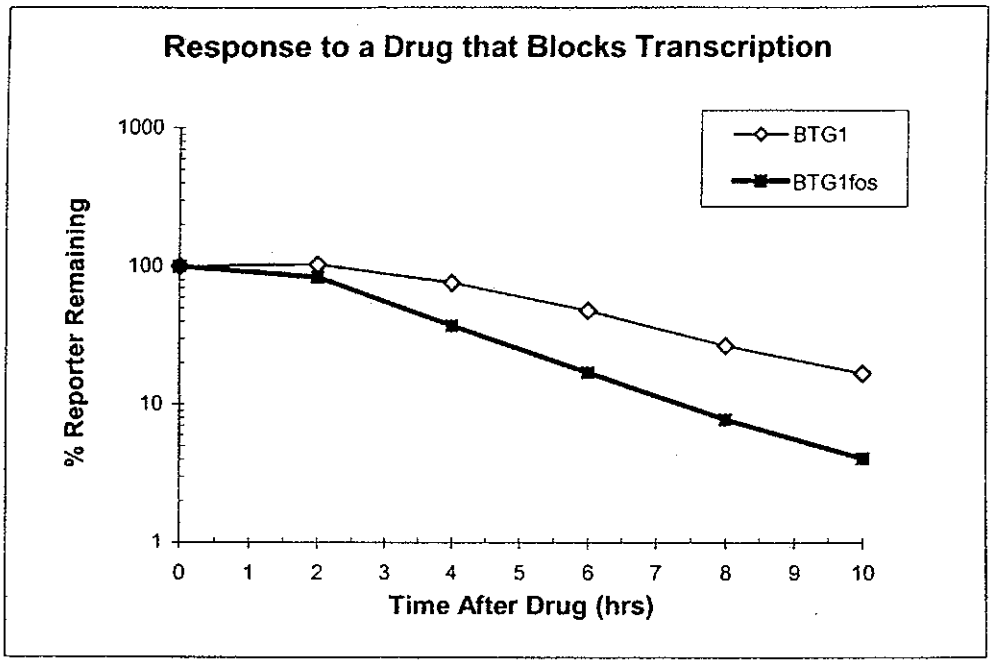

Change in Reporter Levels Without Treatment
Reporter Levels (% time zero)
350
300
250
200
150
100
50
0
start
finish
BTL
BTG2
BTG1
BTG1N4
Construct

Figure 11


Response to a Drug that Blocks Transcription
% Reporter Remaining
1000
100
10
1
0
1
2
3
4
5
6
7
8
9
10
Time After Drug (hrs)
BTG1
BTG1fos

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Figure 13

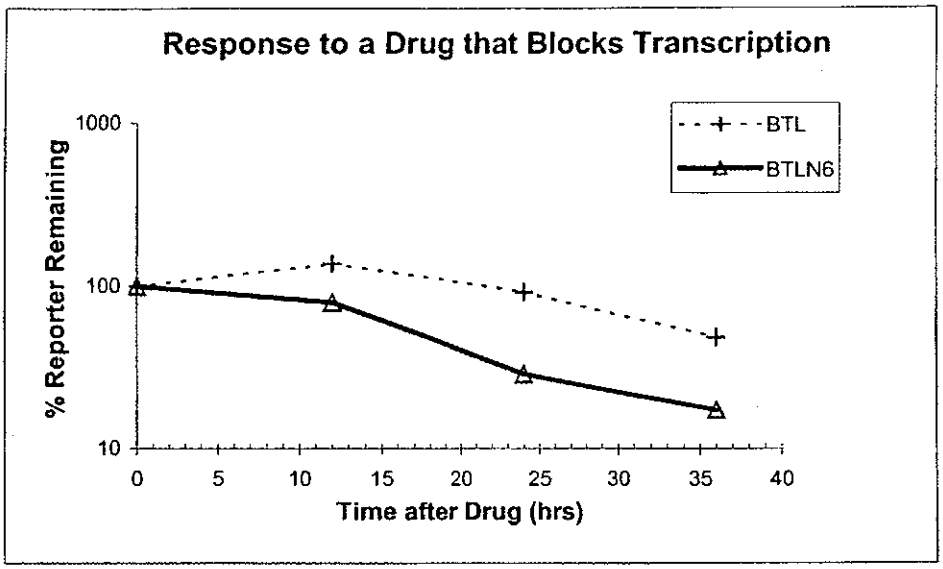
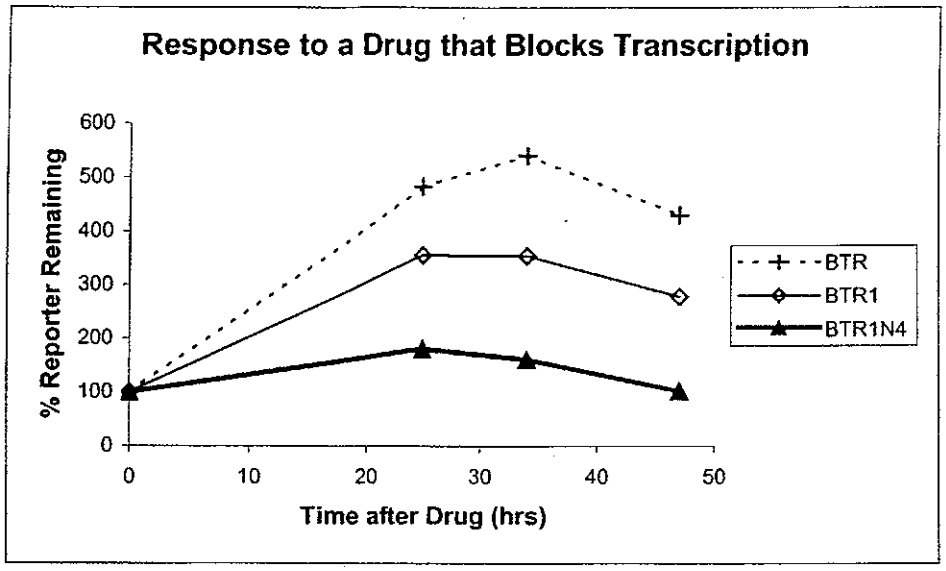
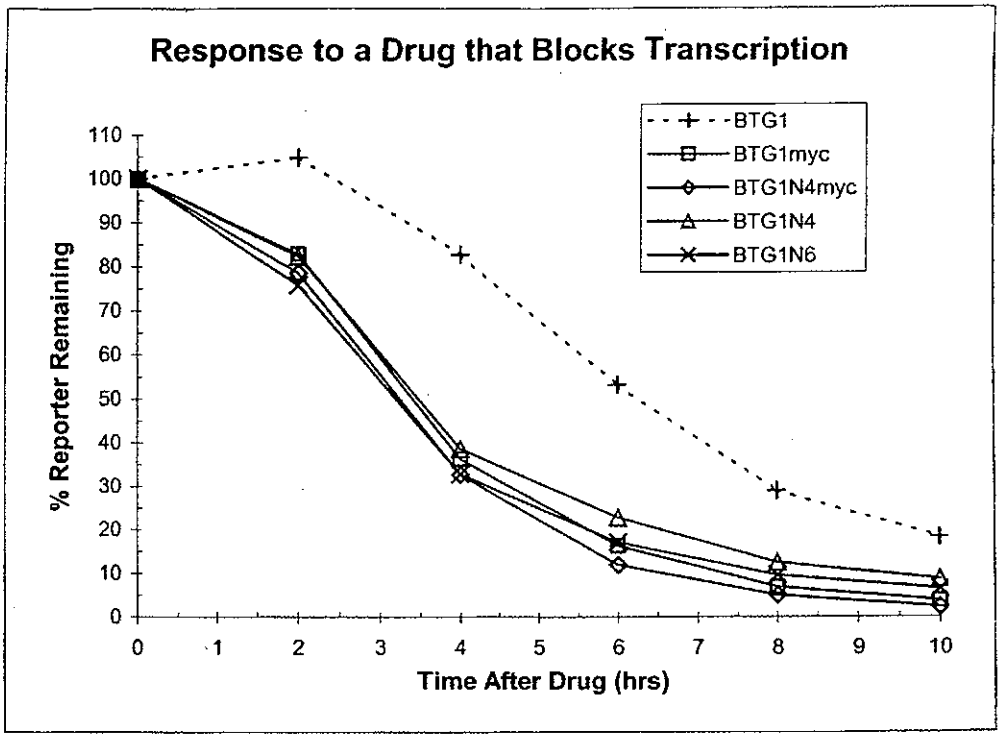


Figure 13


Response to a Drug that Blocks Transcription
% Reporter Remaining
600
500
400
300
200
100
0
0
10
20
30
40
50
Time after Drug (hrs)
BTR
BTR1
BTR1N4

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Figure 14



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