

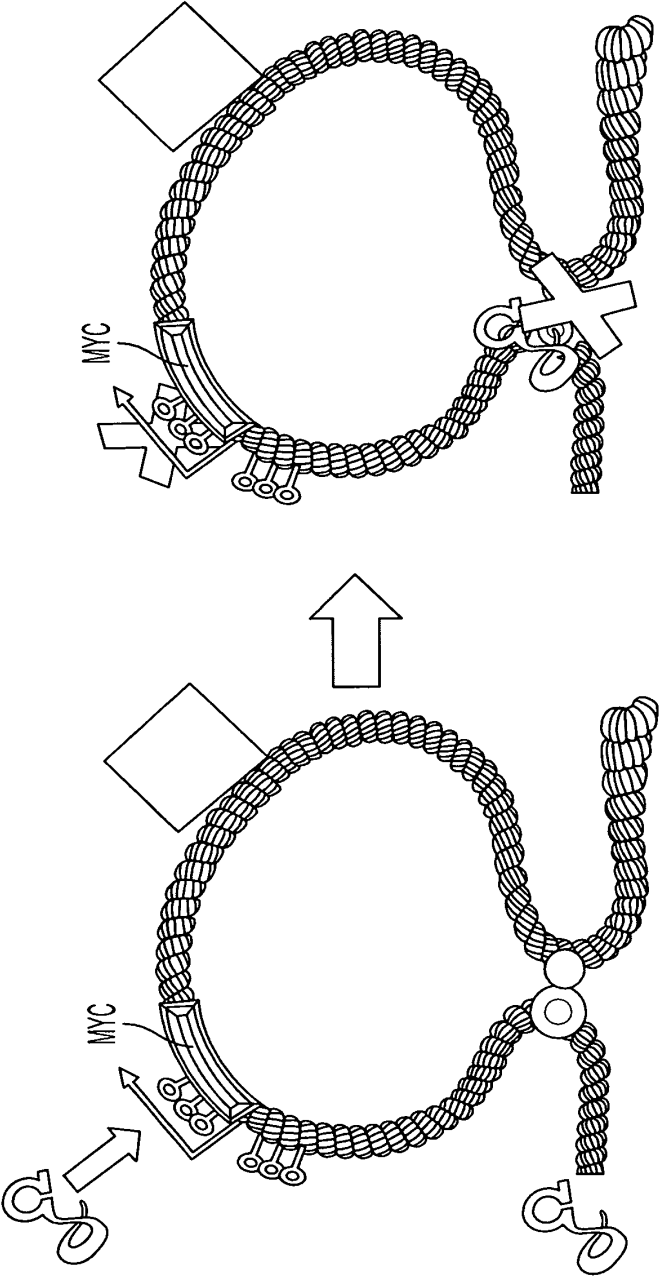


FIG. 1A

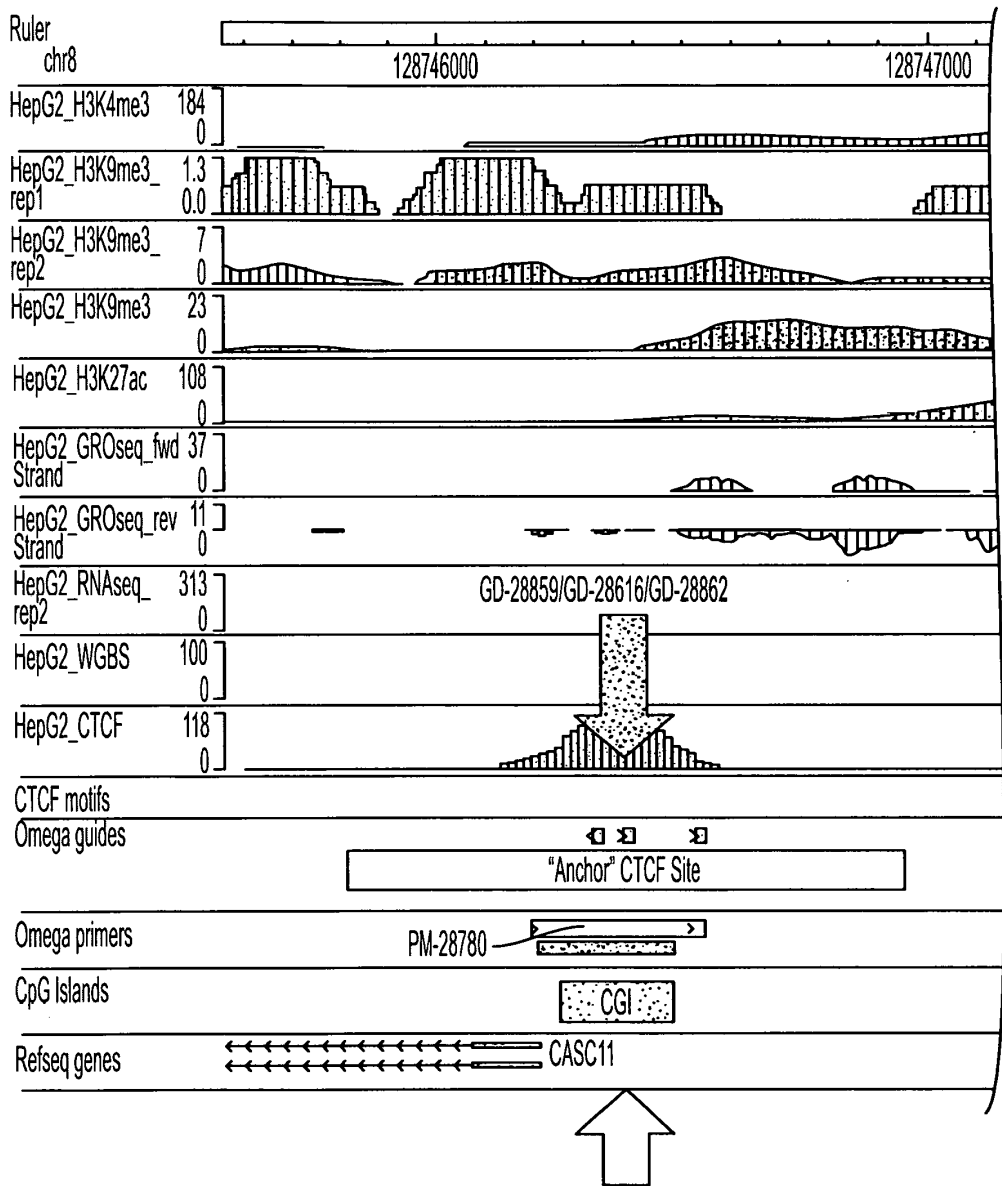


FIG. 1B

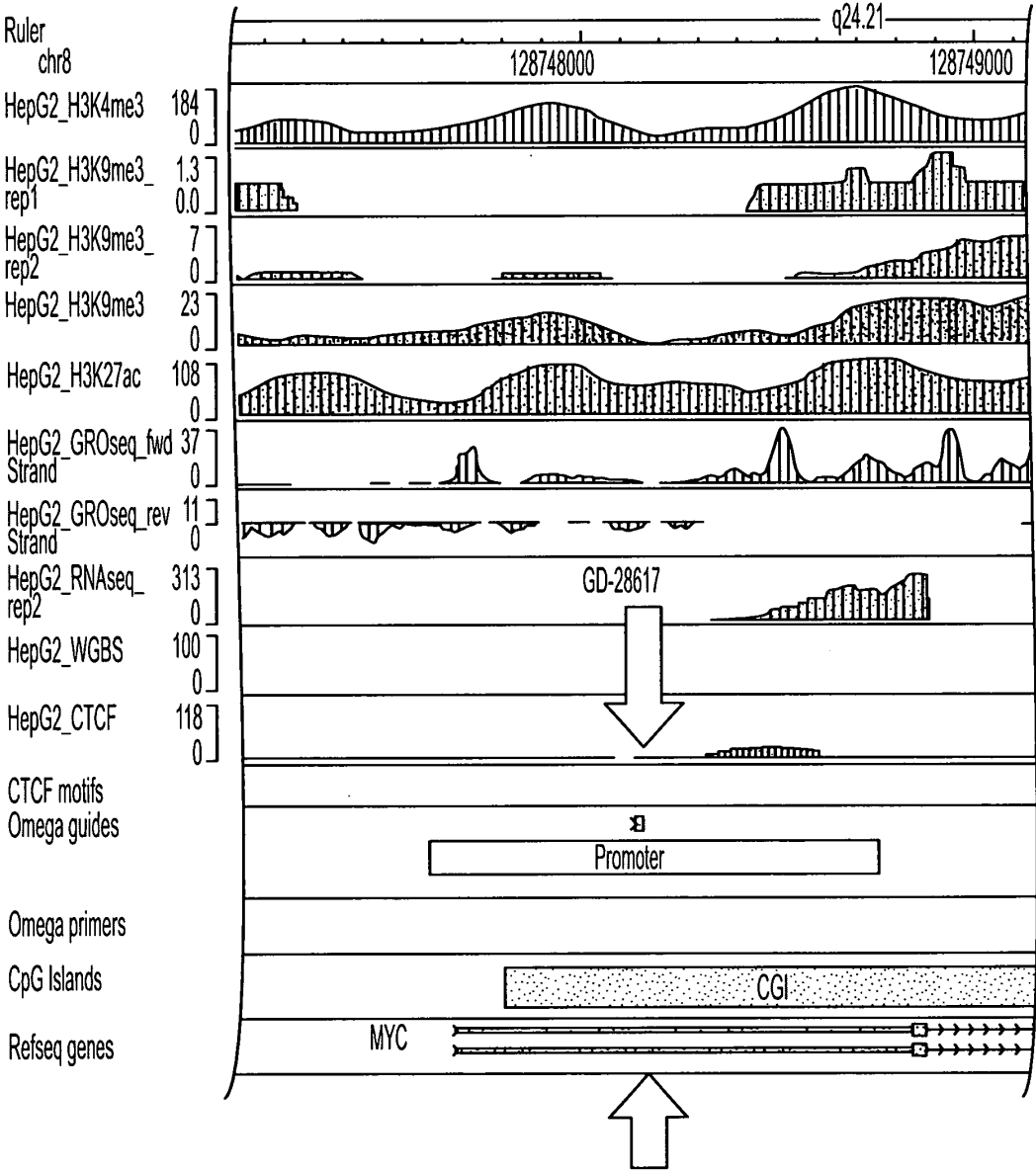


FIG. 1B
CONTINUED

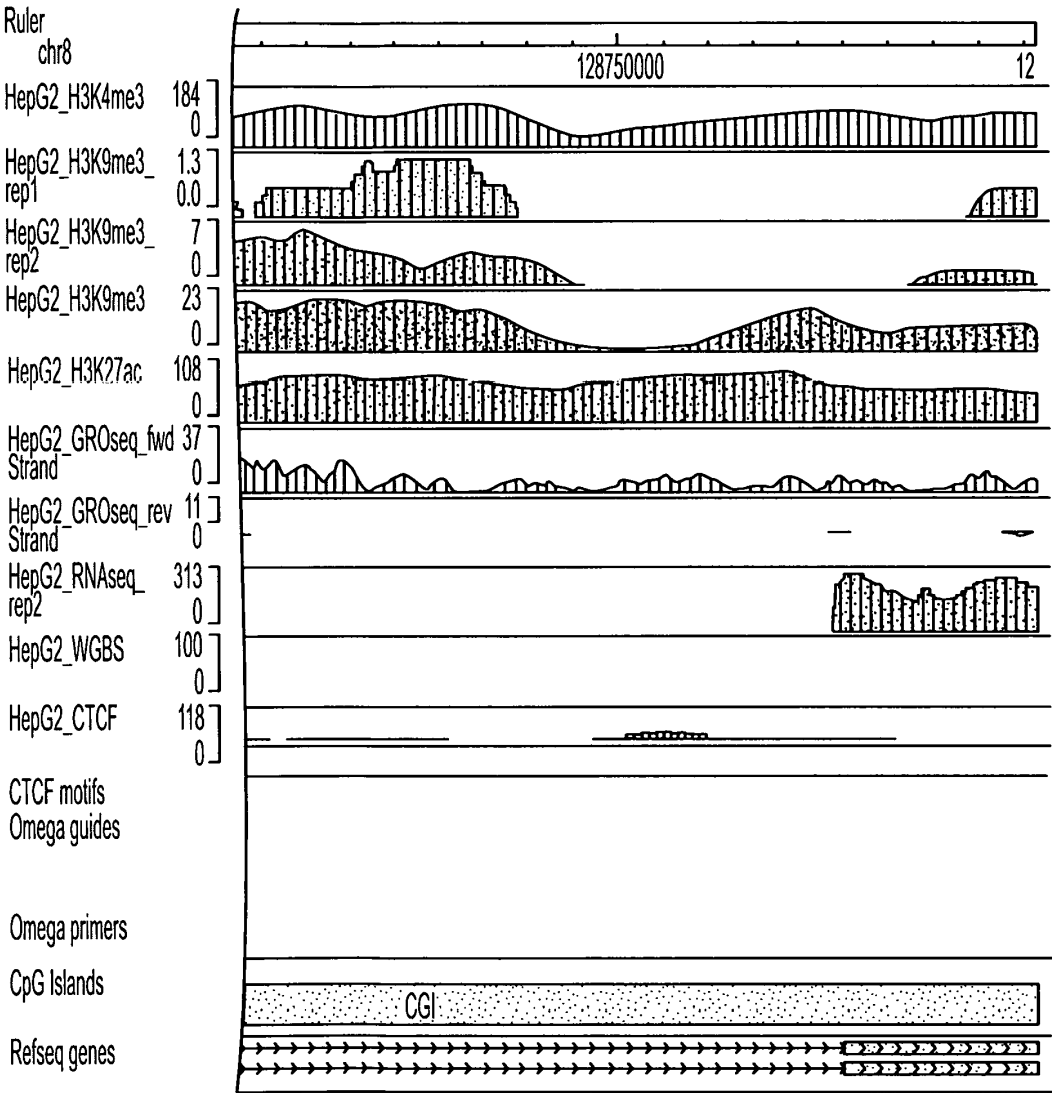


FIG. 1B
CONTINUED

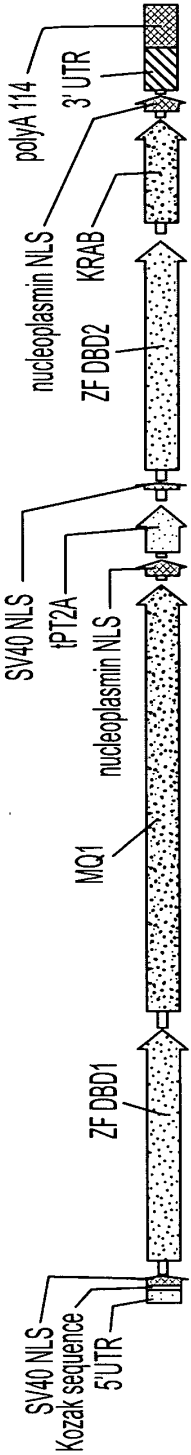


FIG. 1C

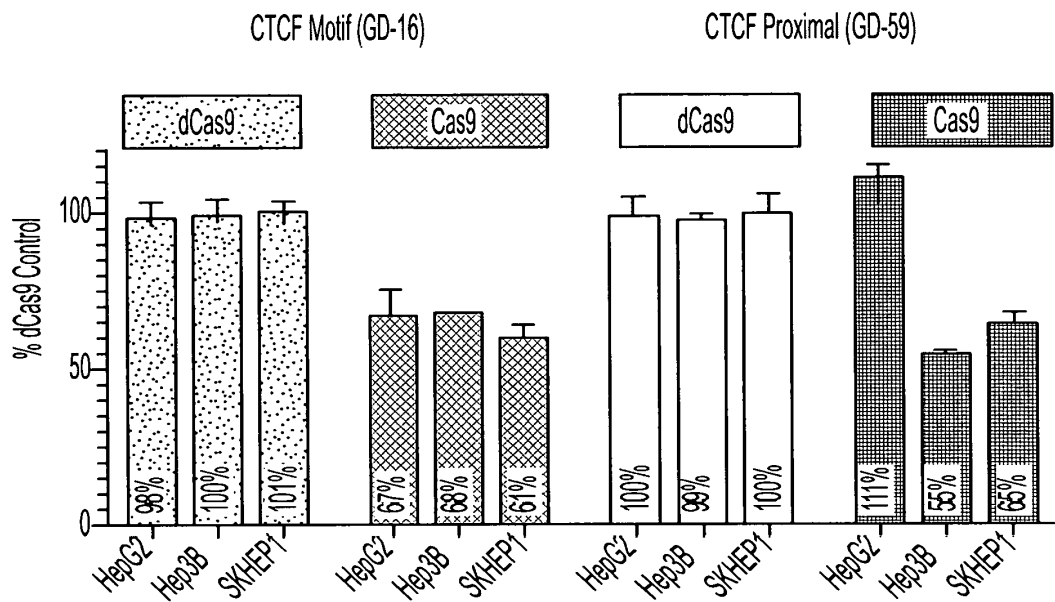
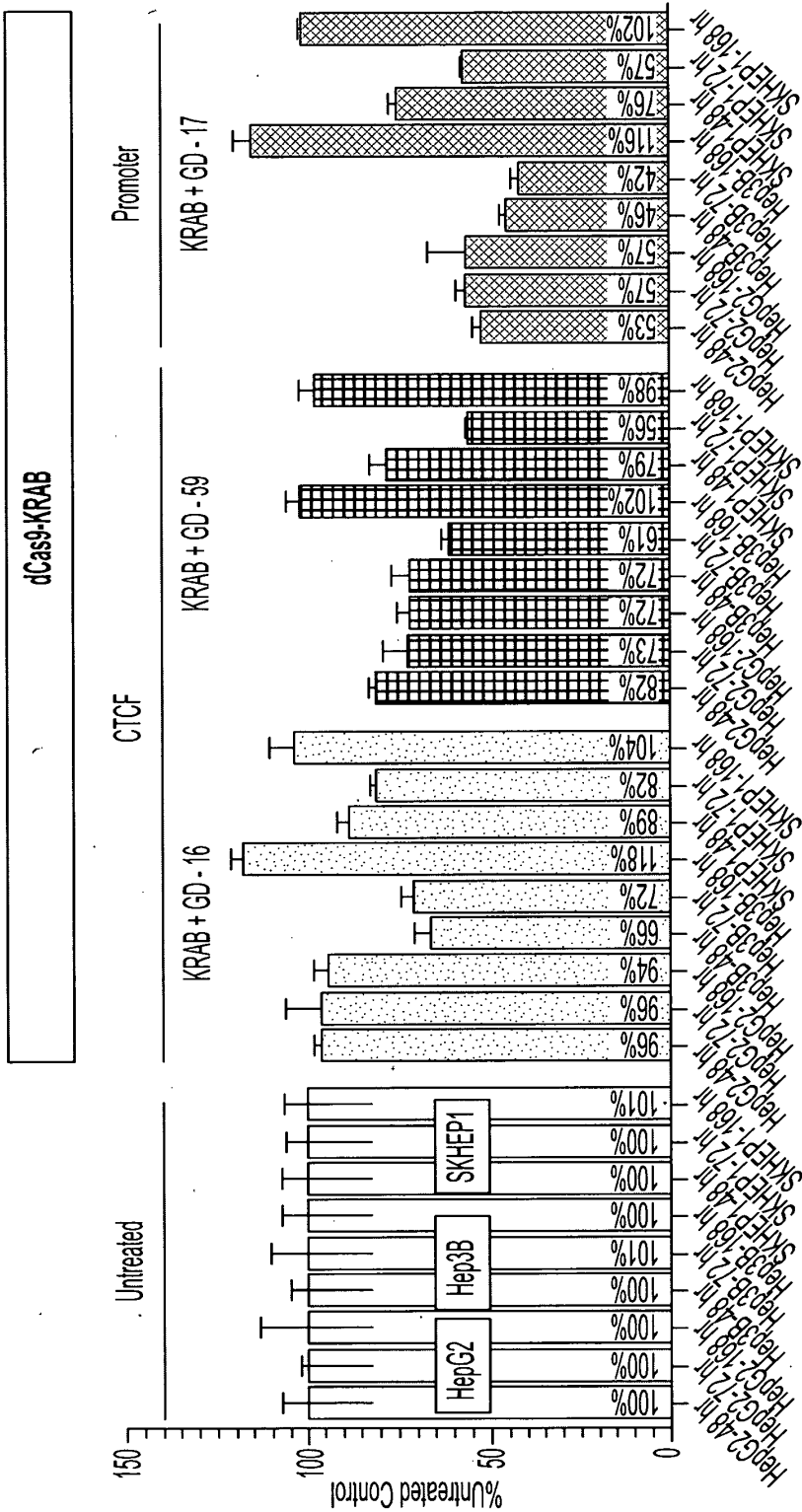


FIG. 2A

			GD-16	GD-59
Cas9	Cell Type	Repeat	Percent Editing	
	HEPG2	Well 1	96	99
	HEPG2	Well 2	94	100
	HEPG2	Well 3	95	100
	SK-HEP-1	Well 1	77	99
	SK-HEP-1	Well 2	80	99
	SK-HEP-1	Well 3	80	99
	HEP3B	Well 1	94	97
	HEP3B	Well 2	96	99
	HEP3B	Well 3	95	98

FIG. 2B

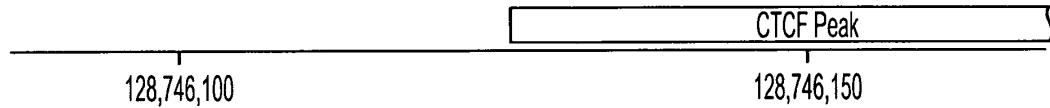


Cell Line-Timepoint

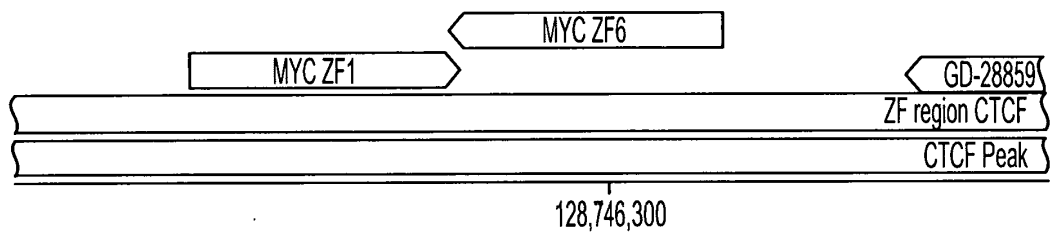
FIG. 3

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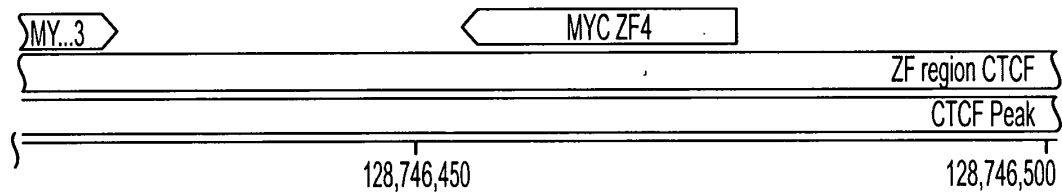
GATGTTTCATTAGCAGTGGTGATAGGTTAATTTTCACCATCTCTTATGCGGTTGAATAGTCACCTCTGAACCACTTTTTCCTC
CTACAAGTAATCGTCACCACTATCCAATTAAGTGGTAGAGAATACGCCAACTTATCAGTGGAGACTTGGTGAAAAAGGAG



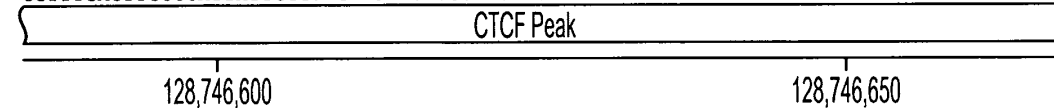
CCTGTCCTTCCCCGCTGGAAACCTTGACCTCGGACGCTCCTGCTCCTGCCCCACCTGACCCCGCCCTCGTTGACATCC
GGACAGGAAGGGGCGACCTTGGAAACGTGGAGCCTGCGAGGACGAGGACGGGGGTGGACTGGGGCGGGAGCAACTGTAGG



CGAGGGGAAAGACGCTTTCAGCAAAATCCAGCATAGCGATTGGTTGCTCCCCGCGTTTGCAGCAAGGCCTGGAGGCAGGA
GCCTCCCTTCTGCGAAACGTCGTTTATAGTCGTATCGCTAACCAACGAGGGGCGCAACGCCGTTTCCGGACCTCCGTCCT



GCAAACTCAACGGGTAATAACCCATCTTGAACAGCGTACATGCTATACACGCACCCCTTCCCCGAATTGTTTTCTCTTT
CGTTTGAGTTGCCATTATTGGGTAGAACTTGTCGCATGTACGATATGTGCGTGGGGAAAGGGGGCTTAACAAAAGAGAAAA



TGCCGTGGAATAACACAAAATAAAAAATCCCGAGGGAATATACATTATATATTAATATAGATCATTTTCAGGGAGCAACAA
ACGGCACCTTATTGTGTTTTATTTTTAGGGCTCCCTTATATGTAATATATAATTTATATCTAGTAAAGTCCCTCGTTTGT

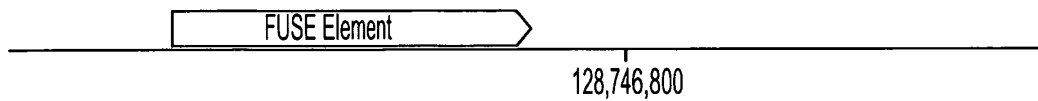
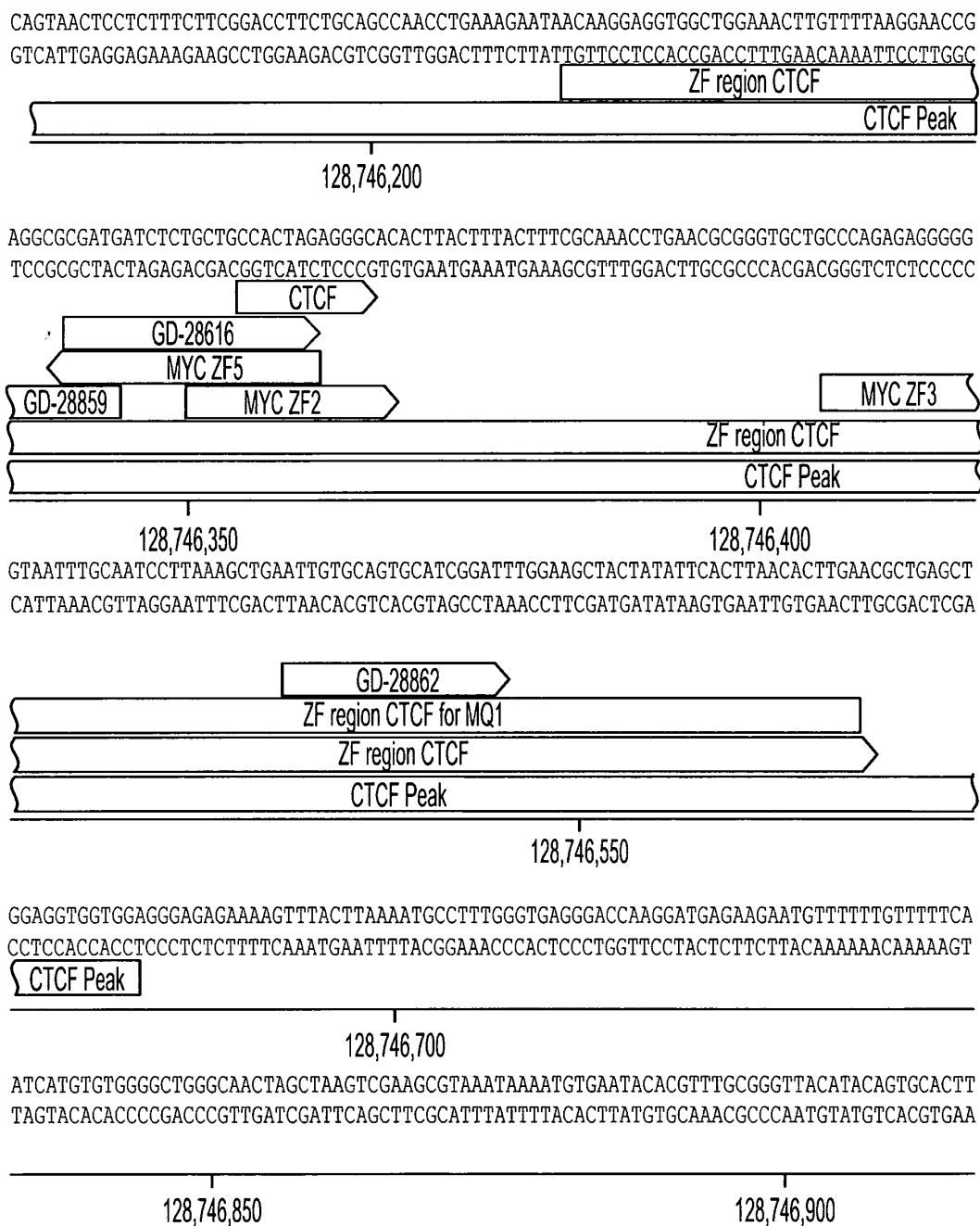


FIG. 4A

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FIG. 4A
CONTINUED

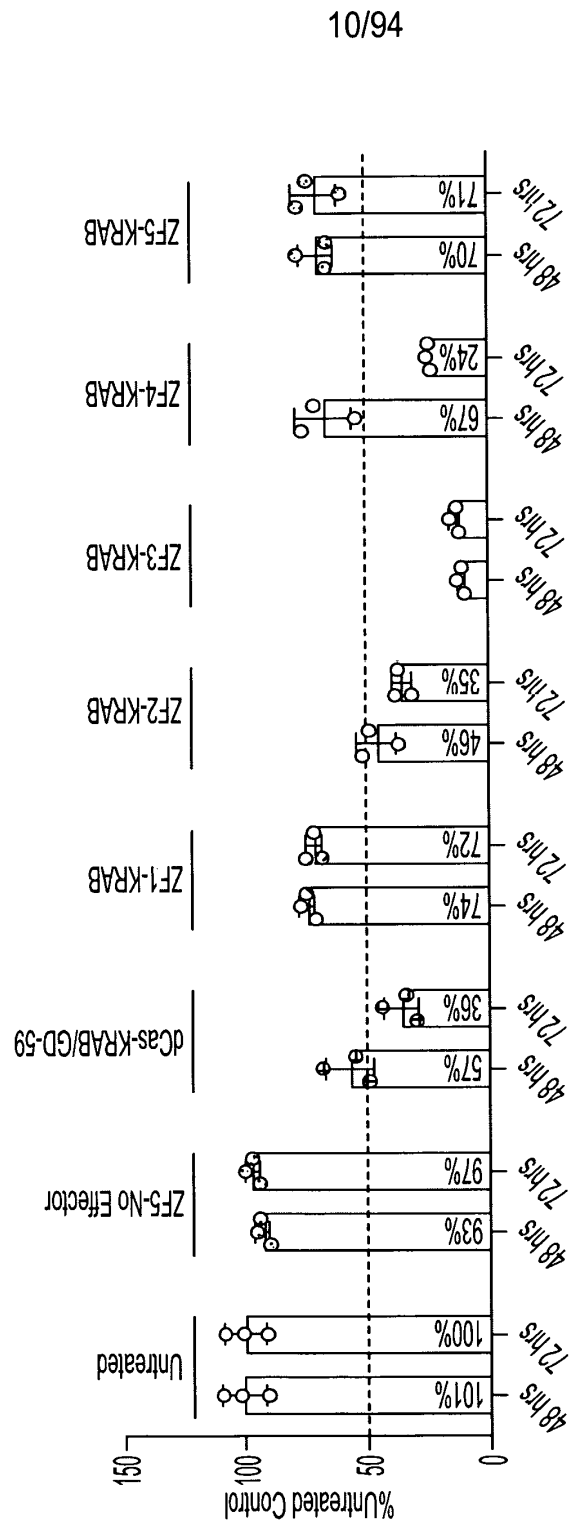
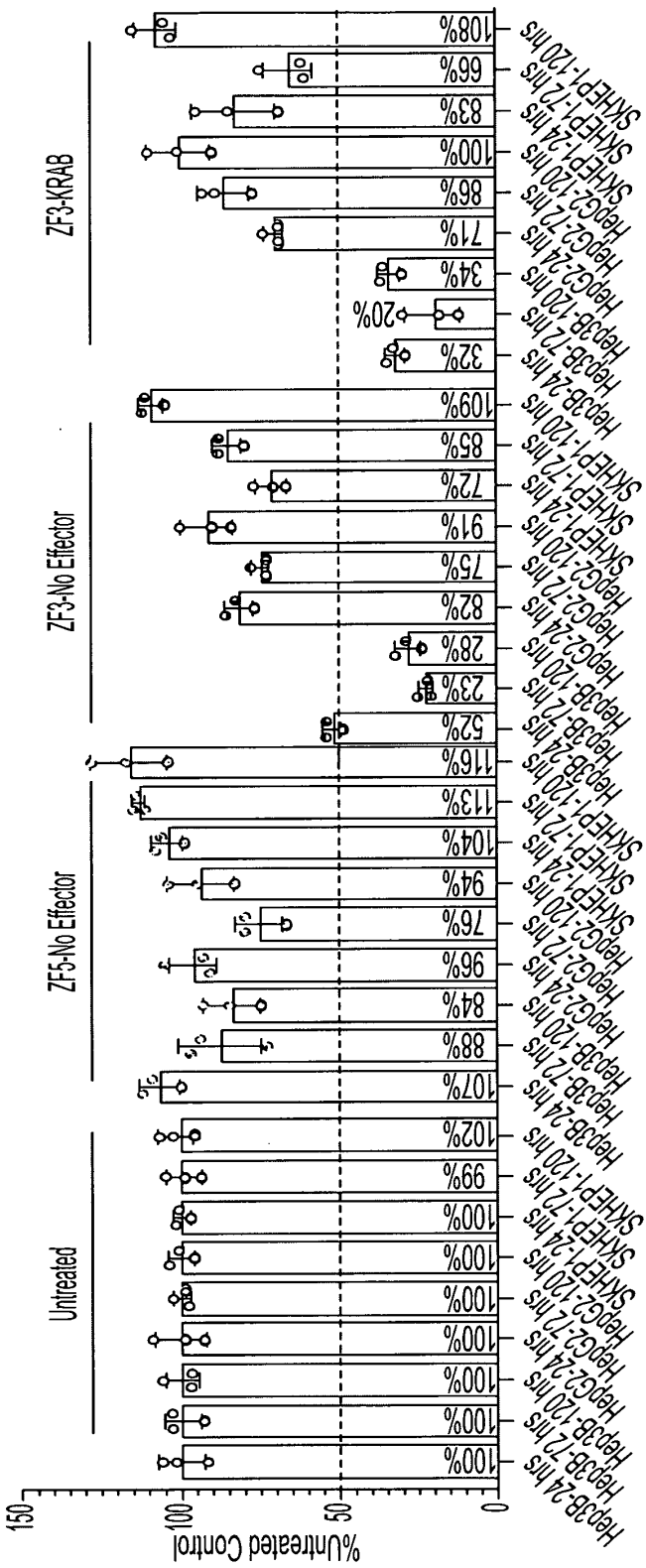


FIG. 4B

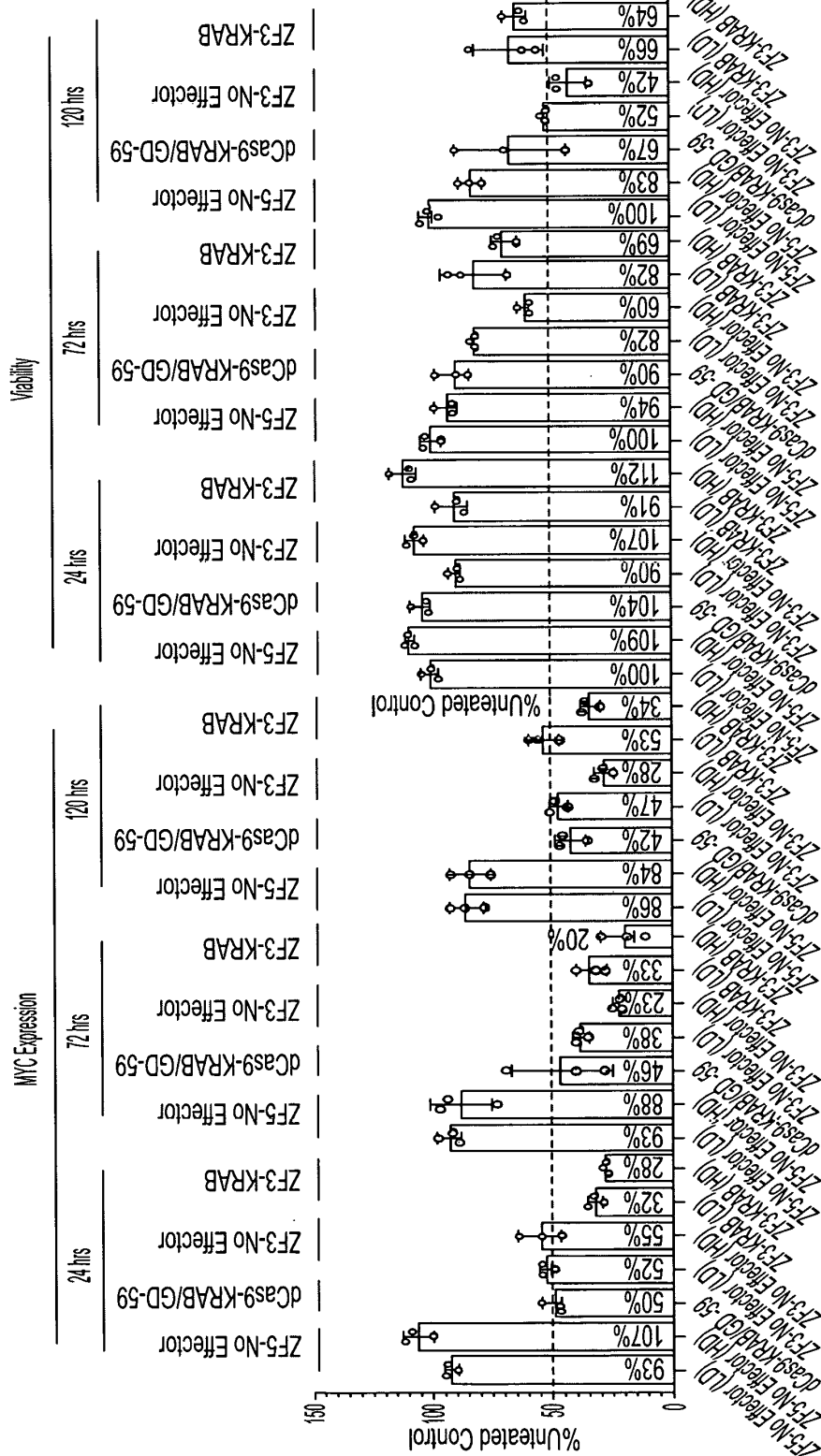
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Cell Line-Time point

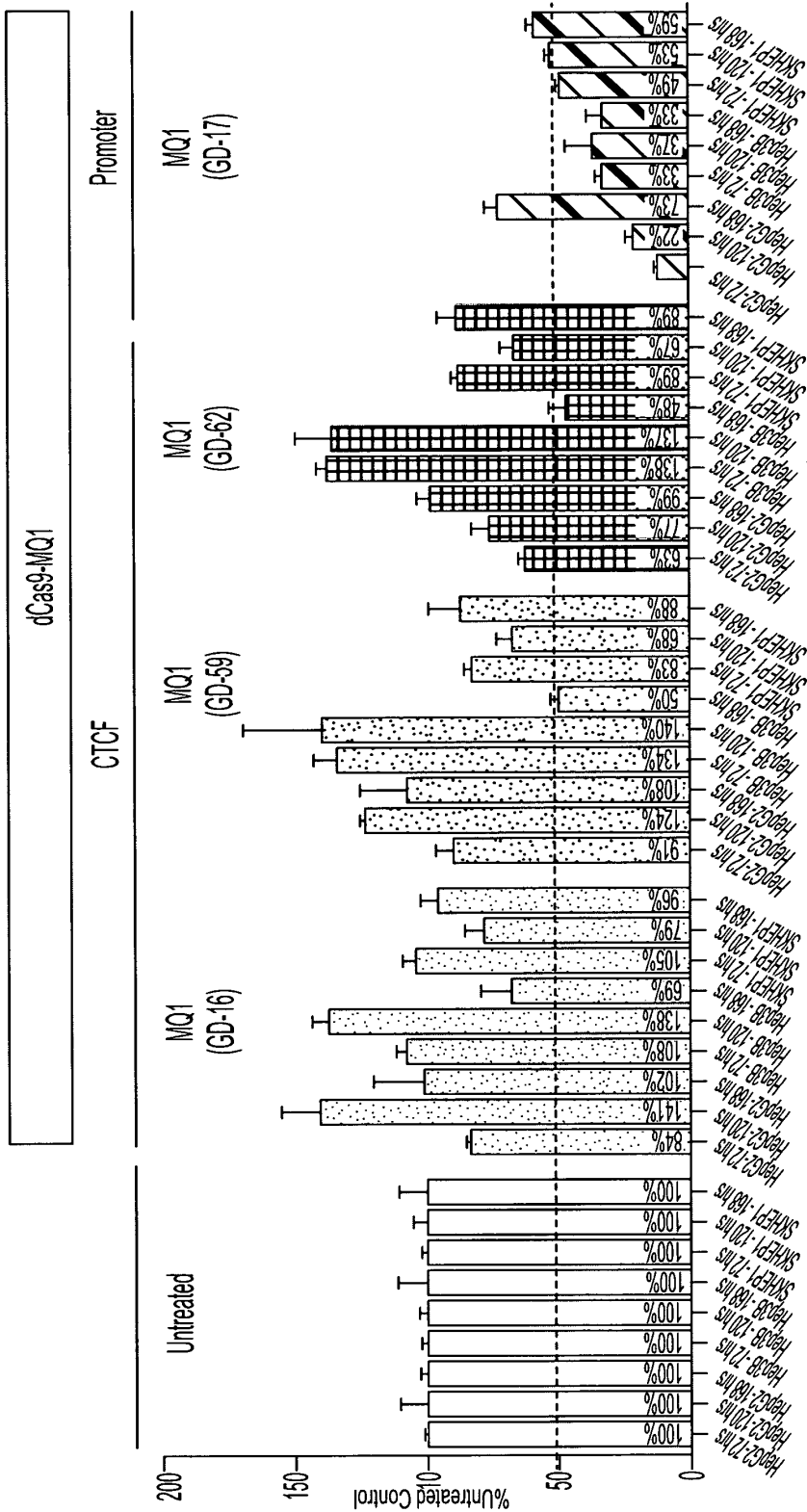
FIG. 4C

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Effector (LNP Concentration)

FIG. 4D

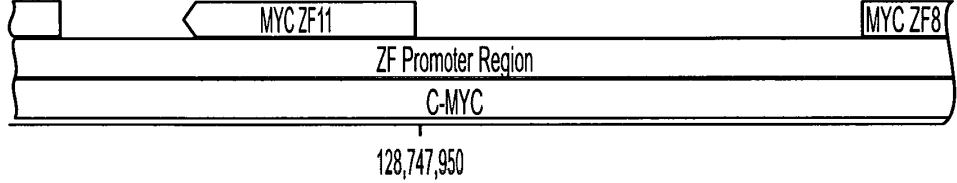


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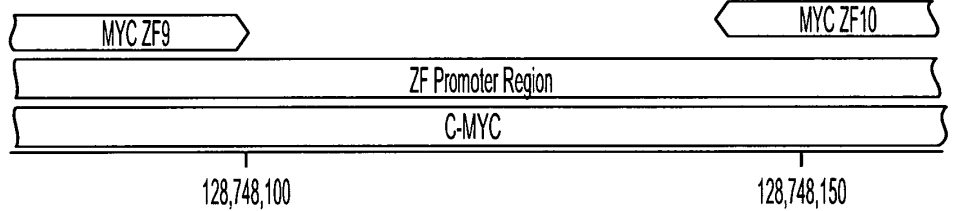
TAGGCATCGTTTTCTCCTTATGCCTCTATCATTCCTCCCTATCTACACTAACATCCCACGCTCTGAACGCGGCCCATTA
ATCCGTAGCAAAAGGAGGAATACGGAGATAGTAAGGAGGGATAGATGTGATTGTAGGGTGCAGACTTGC GCGCGGGTAAT



GTACGCGCGTGGGCTGGCGGTGGGCGCGCAGTGGCTTCTCGGTGTGGAGGGCAGCTGTCCGCCTGCGATGATTATACTCACA
CATGCGCGCACCGCACCGCCACCGCGCGTCACGCAAGAGCCACACCTCCCGTCGACAAGGCGGACGCTACTAAATATGAGTGT



AATGGTAGCGCGCGTAGTTAATTCATGCGGCTCTTACTCTGTTTACATCCTAGAGCTAGAGTGCTCGGCTGCCCGGCTGAG
TTACCATCCGCGCGCATCAATTAAGTACGCCGAGAGAATGAGACAAATGTAGGATCTCGATCTCAGAGCCGACGGGCGGACTC



AGAAAAAGATCCTCTCTCGCTAATCTCCGCCACCGGCCCTTATAATGCGAGGGTCTGGACGGCTGAGGACCCCGAGCTGTGC
TCTTTTTTCTAGGAGAGCGATTAGAGGCGGGTGGCCGGGAATATTACGCTCCAGACCTGCCGACTCTGGGGGCTCGACACGA

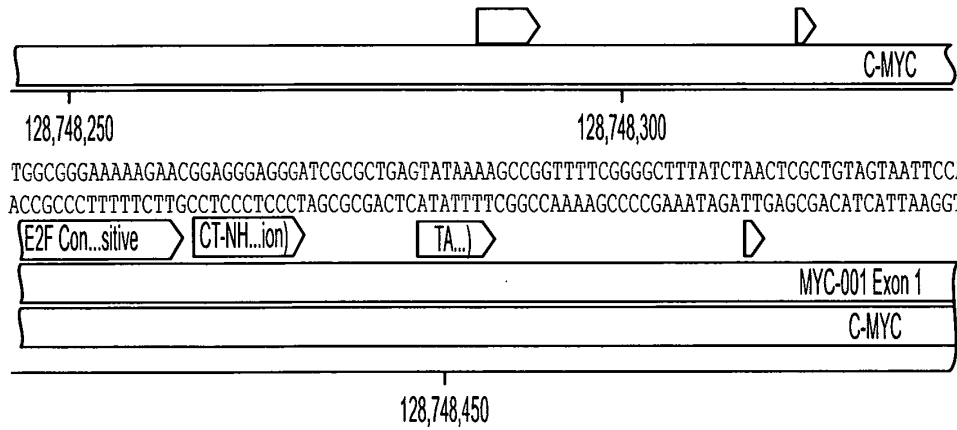


FIG. 6A

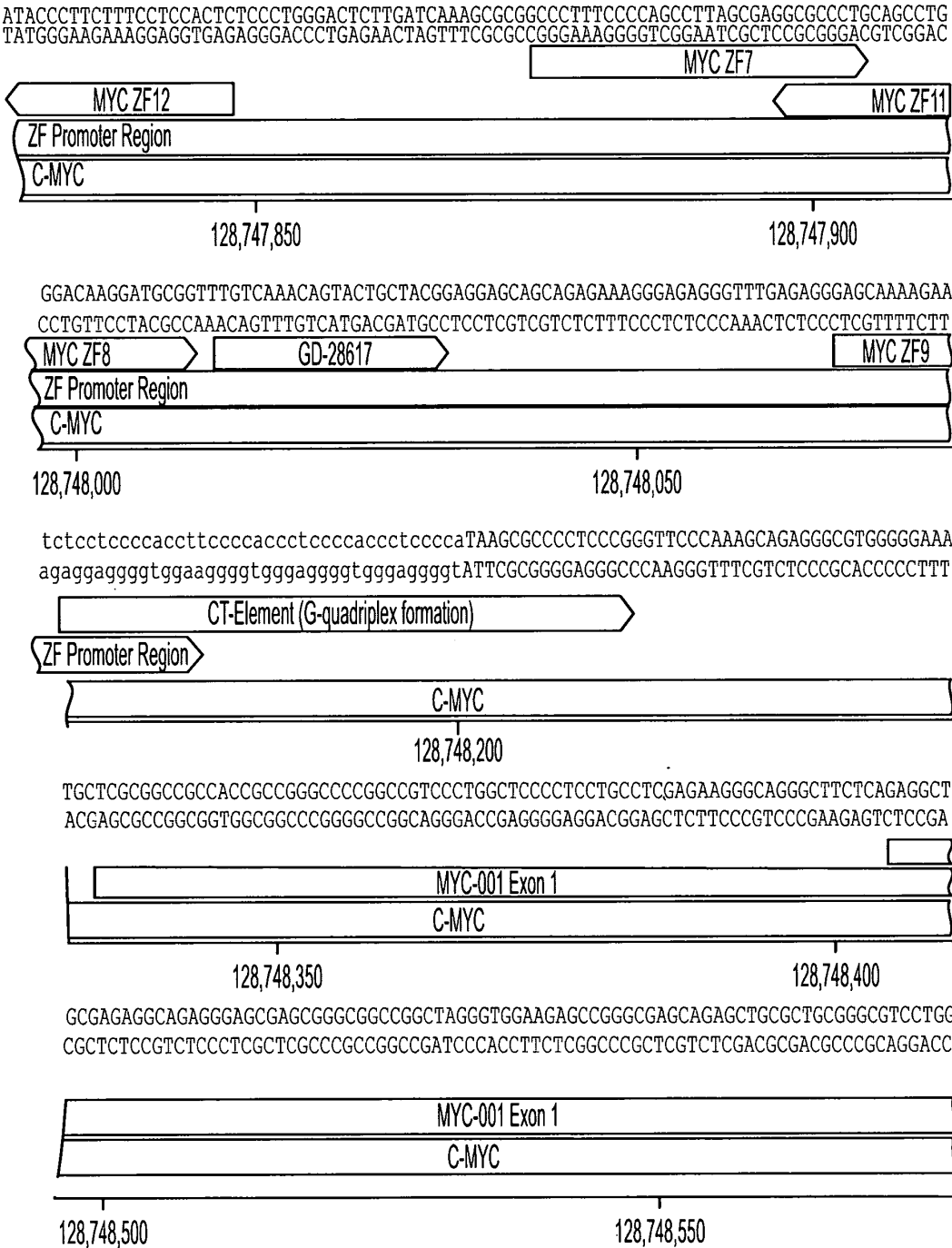


FIG. 6A
CONTINUED

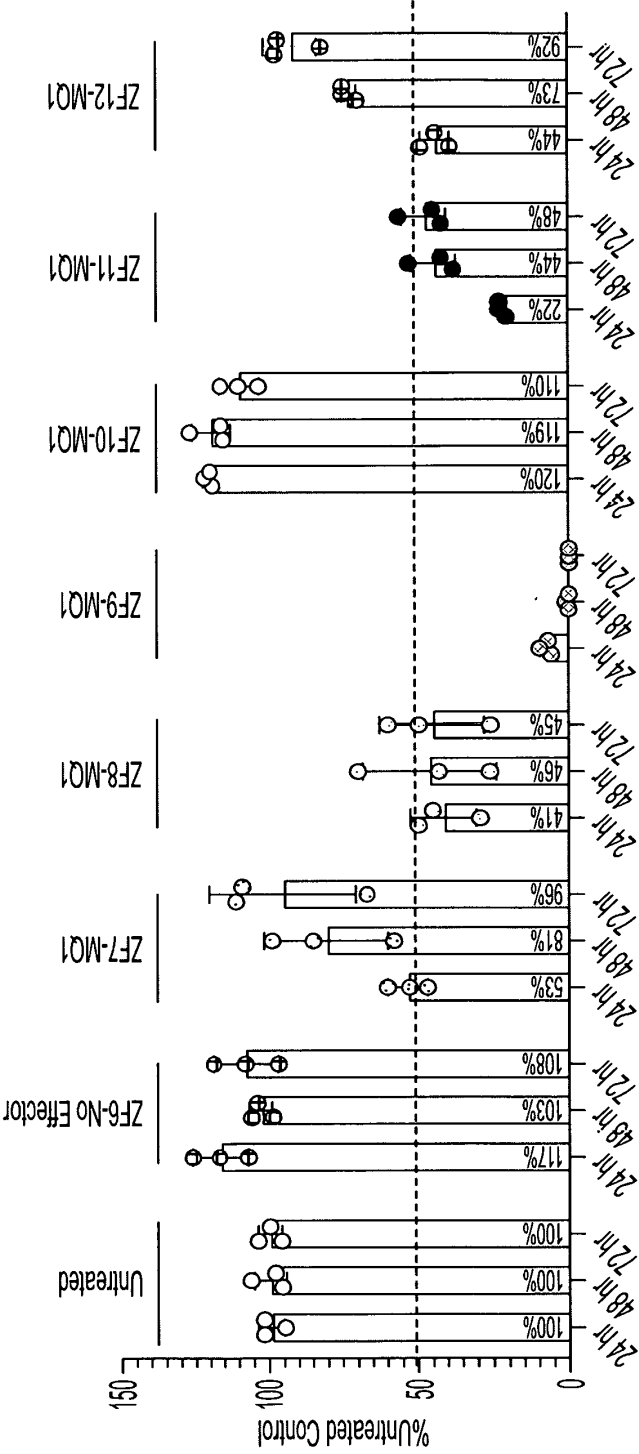
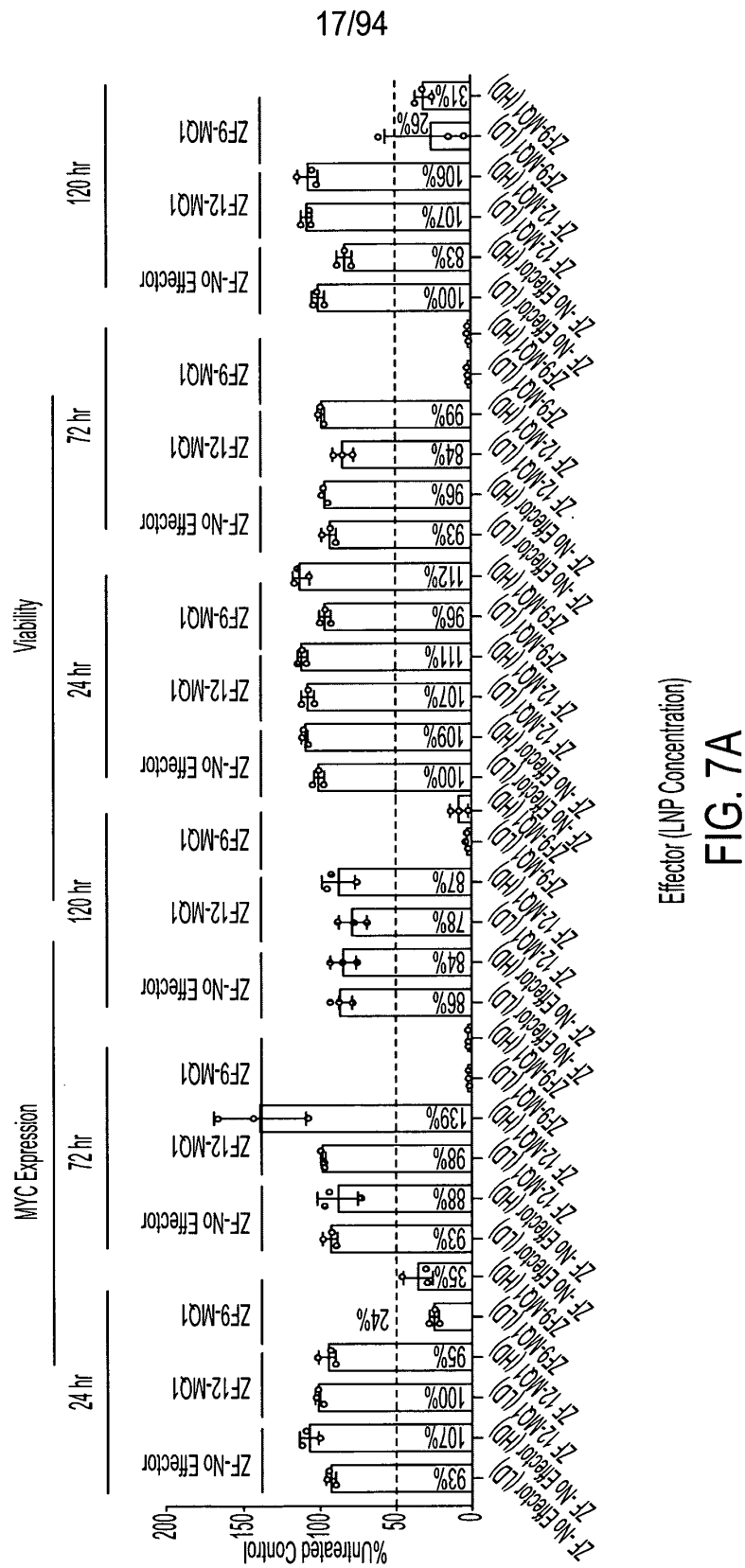


FIG. 6B



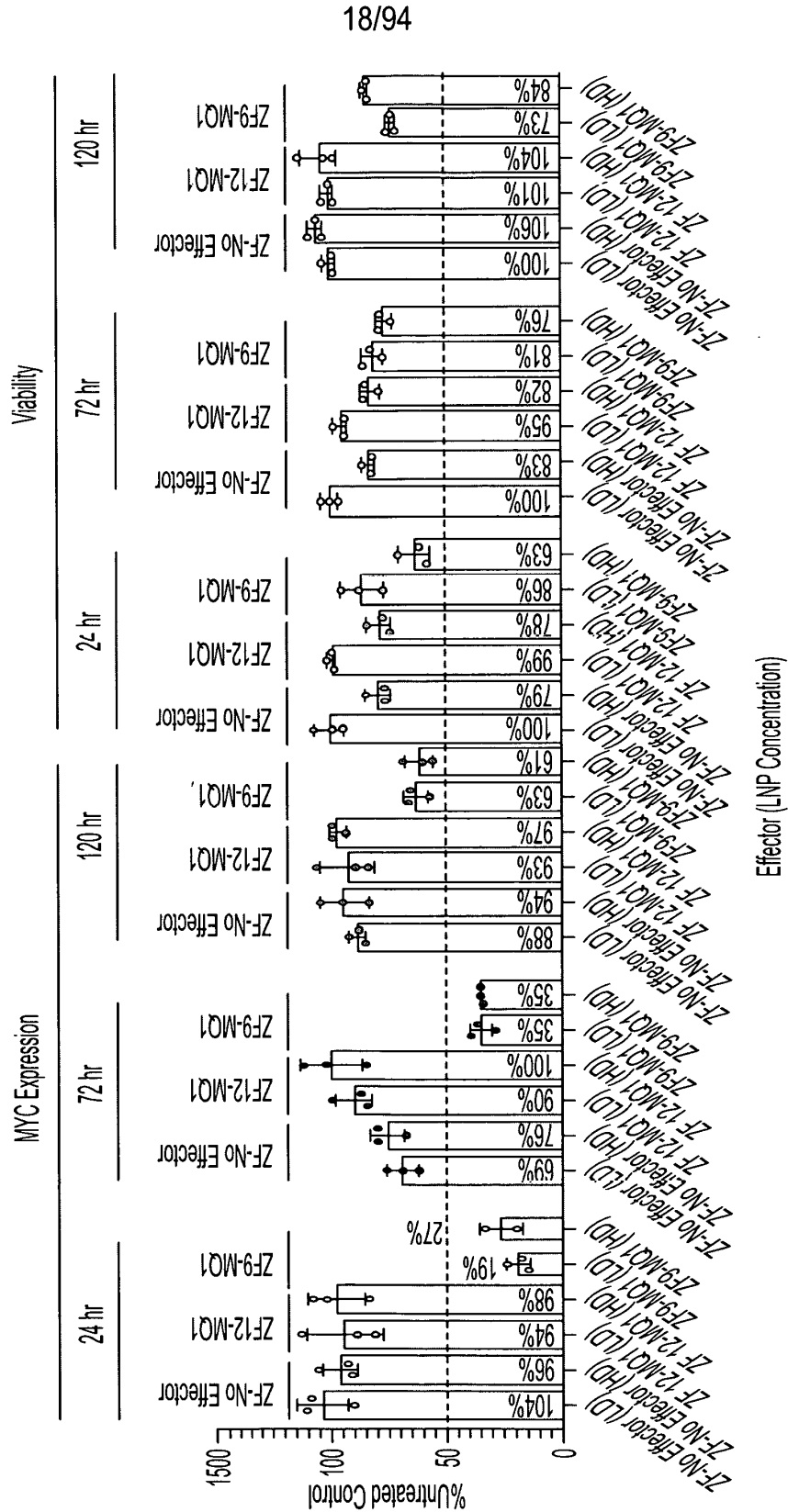


FIG. 7B

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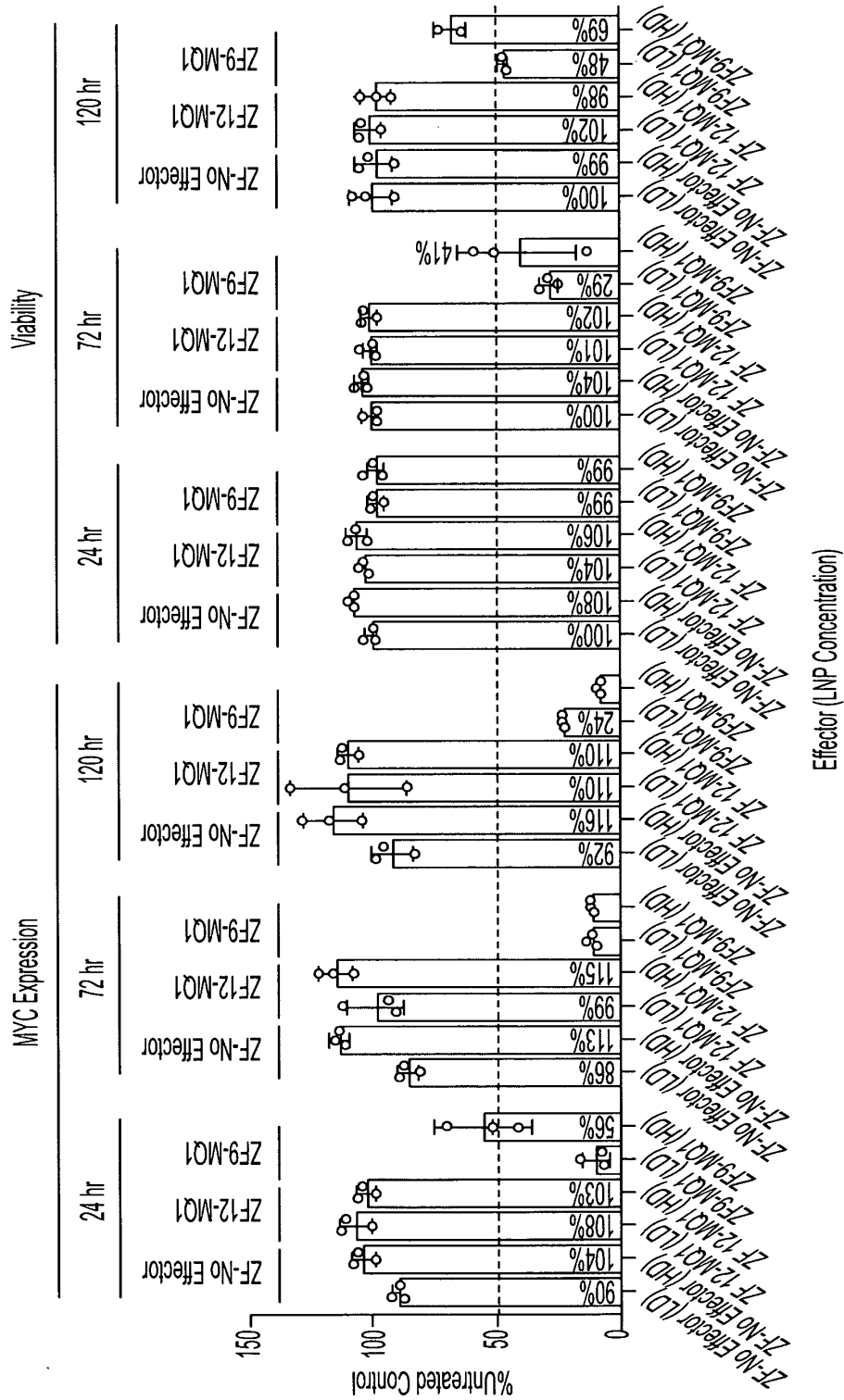


FIG. 7C

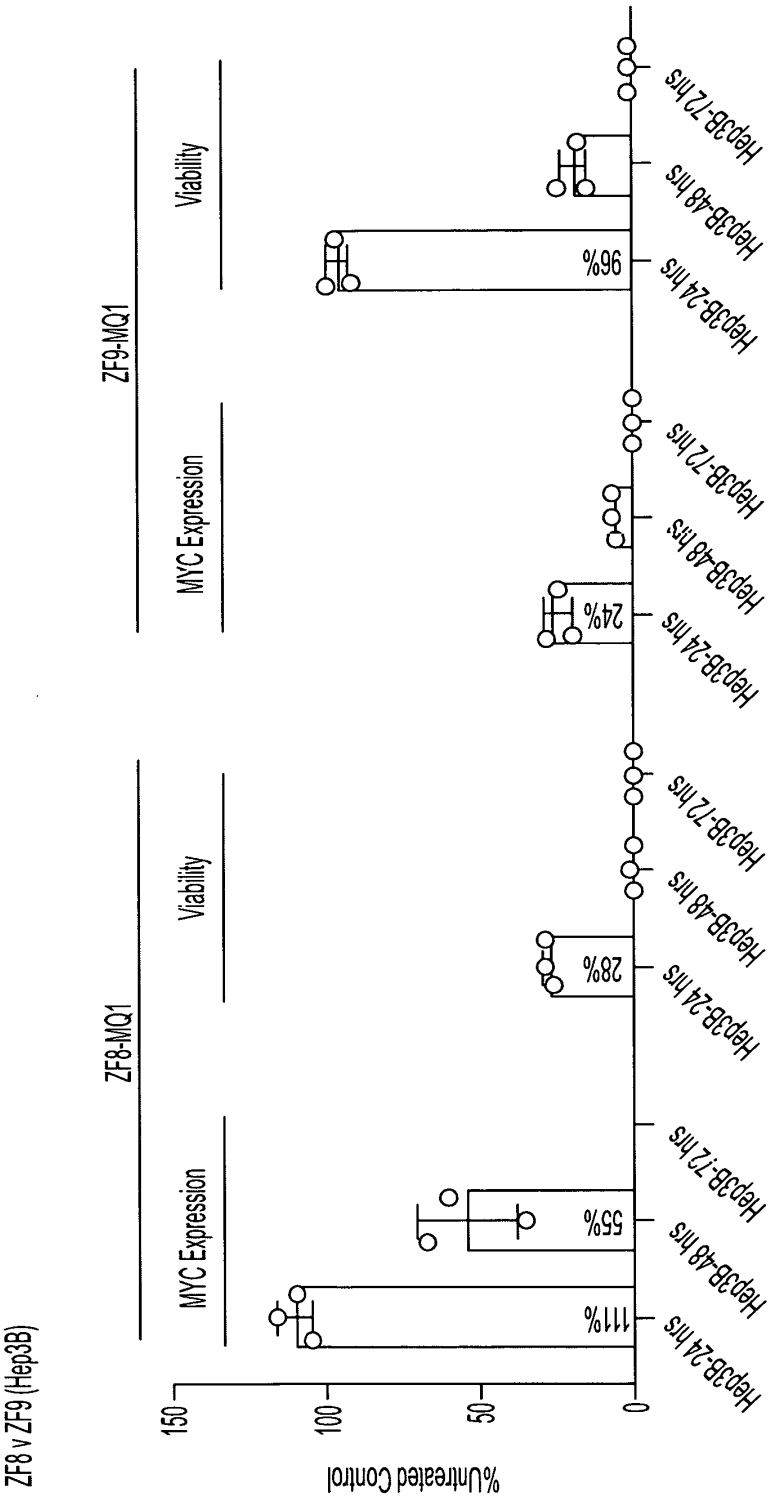


FIG. 7D

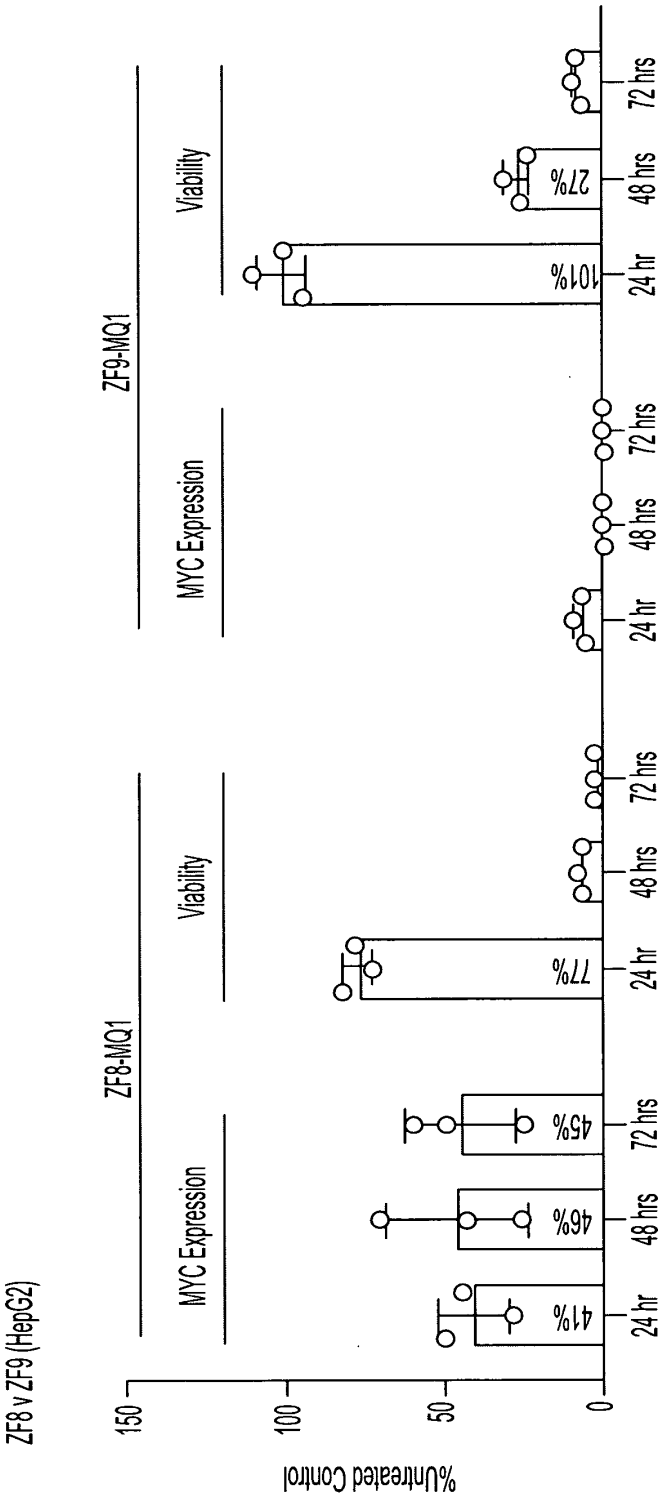


FIG. 7E

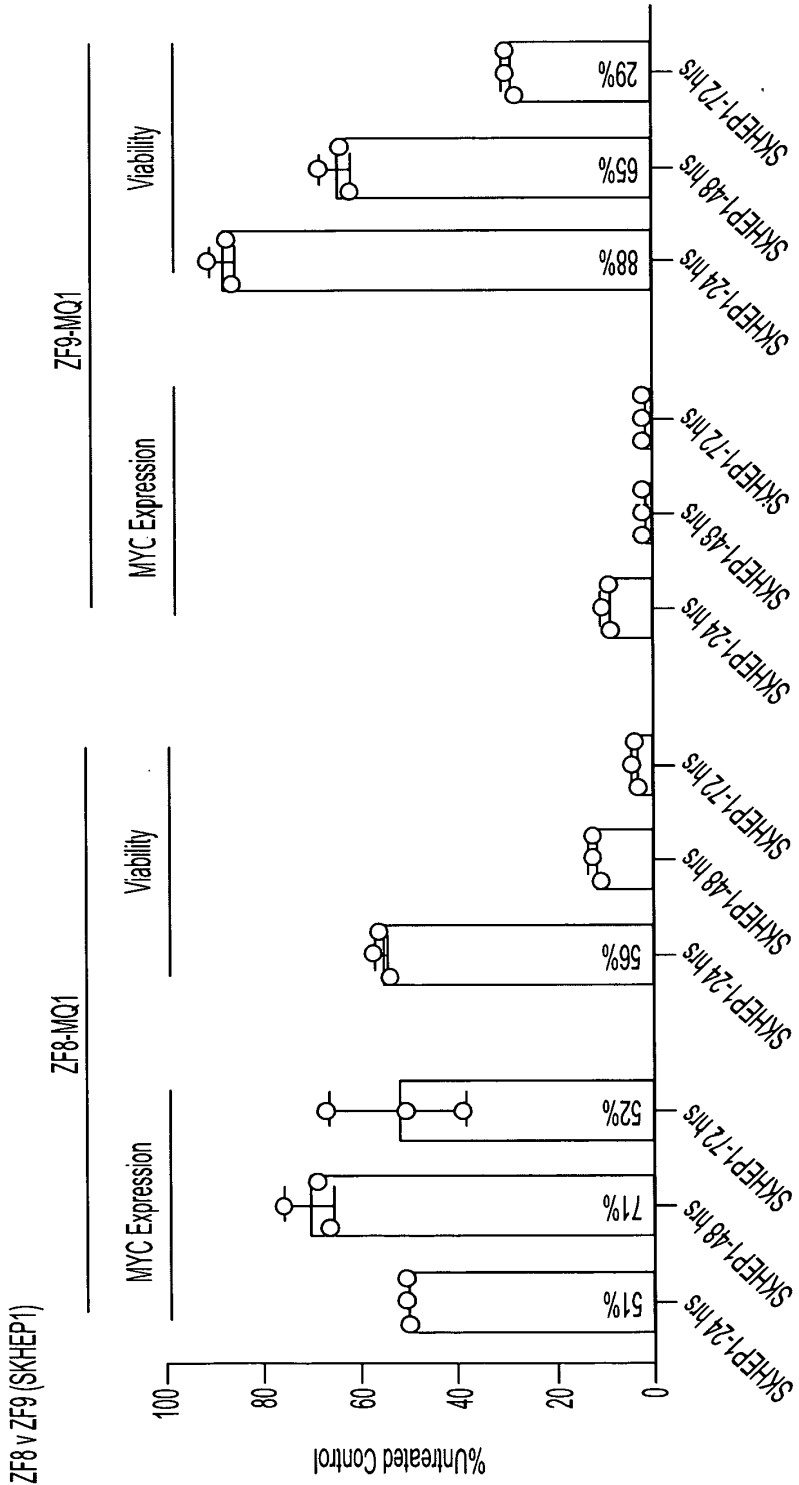
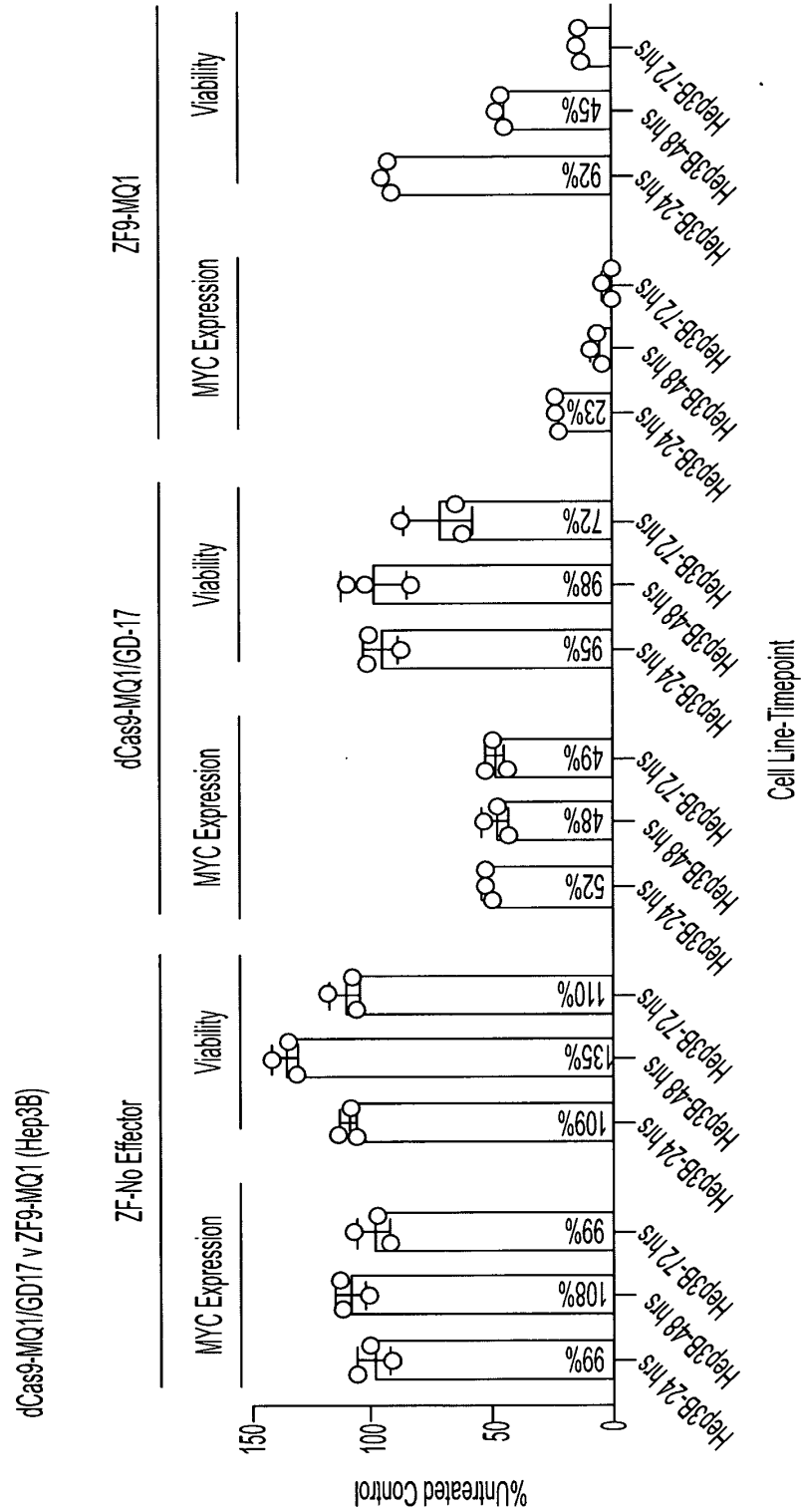


FIG. 7F



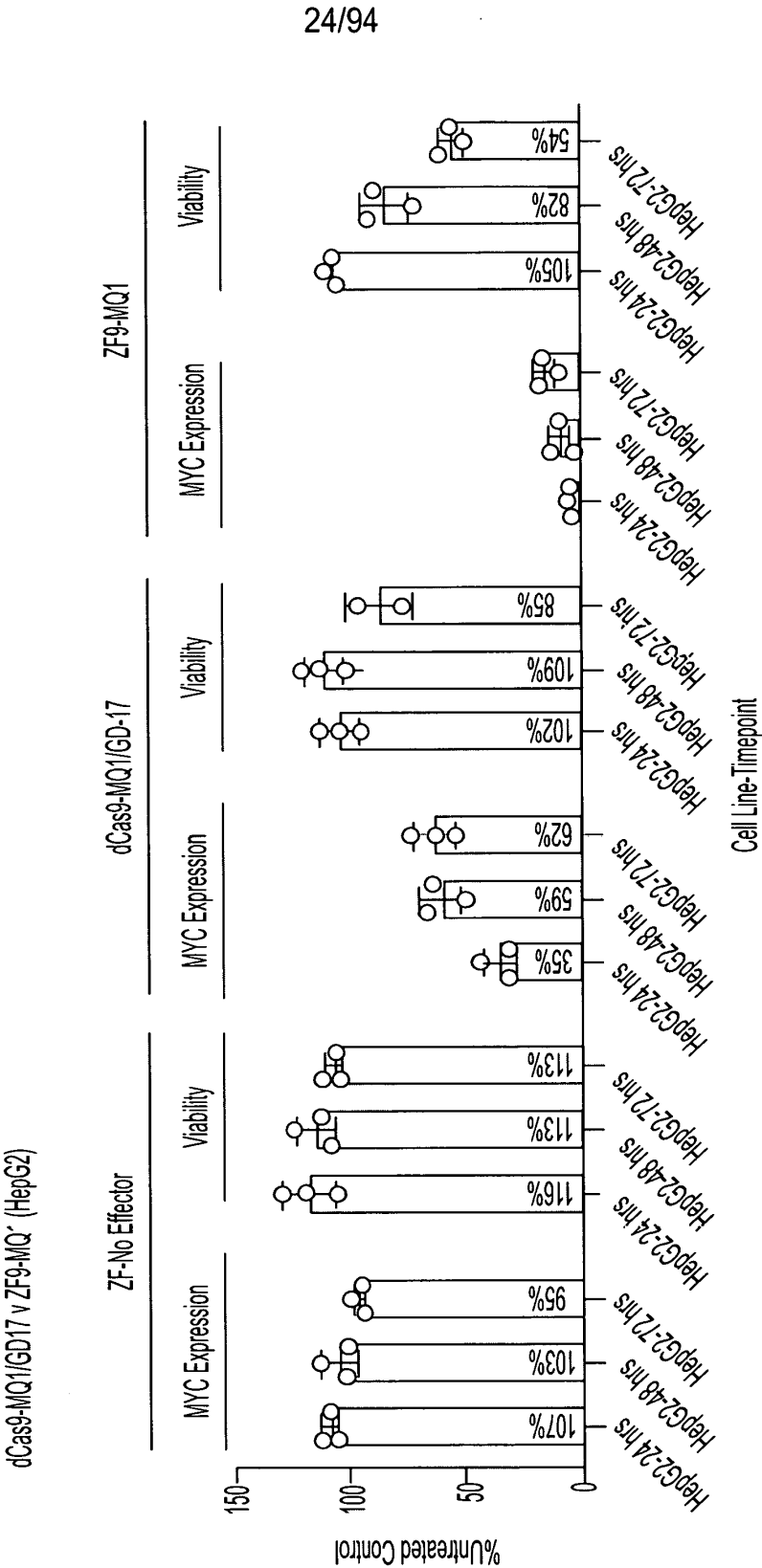


FIG. 7H

dCas9-MQ1/GD17 v ZF9-MQ1 (SKHEP1)

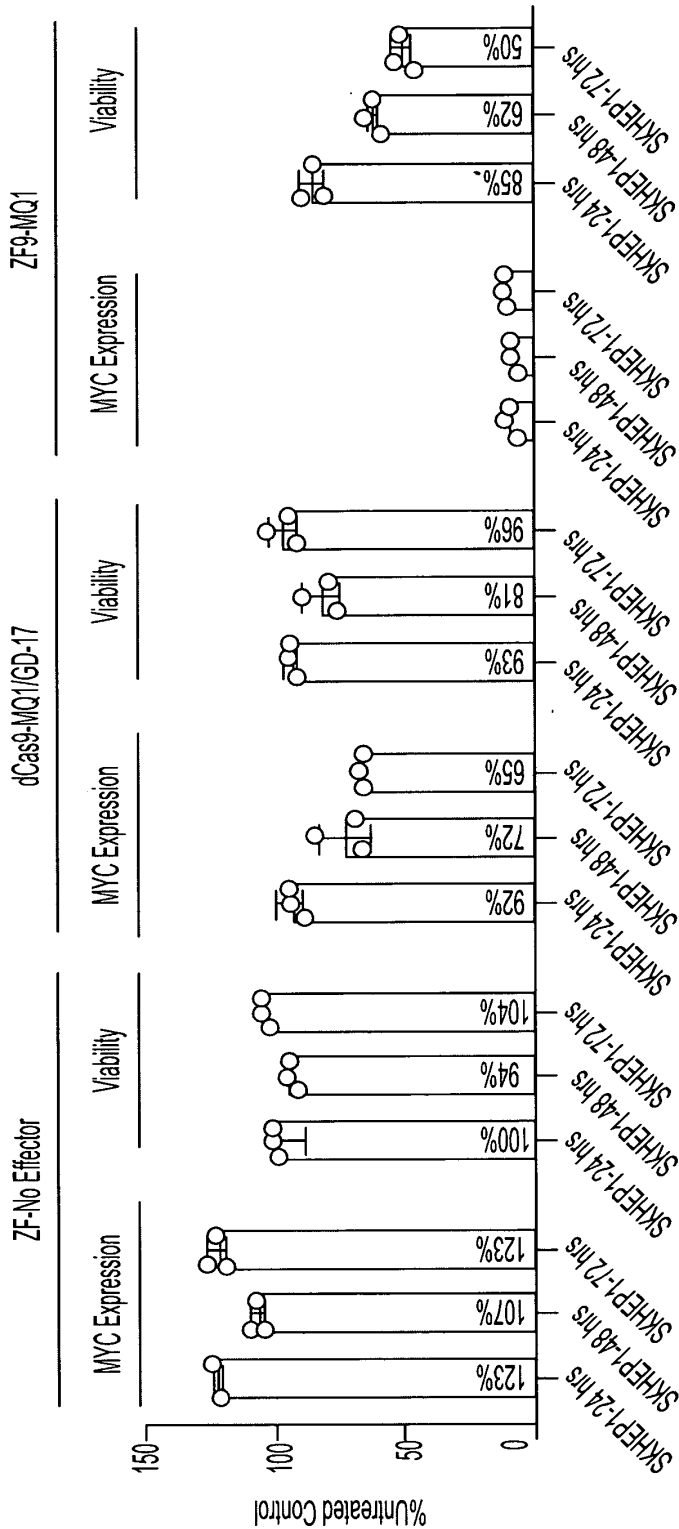


FIG. 71

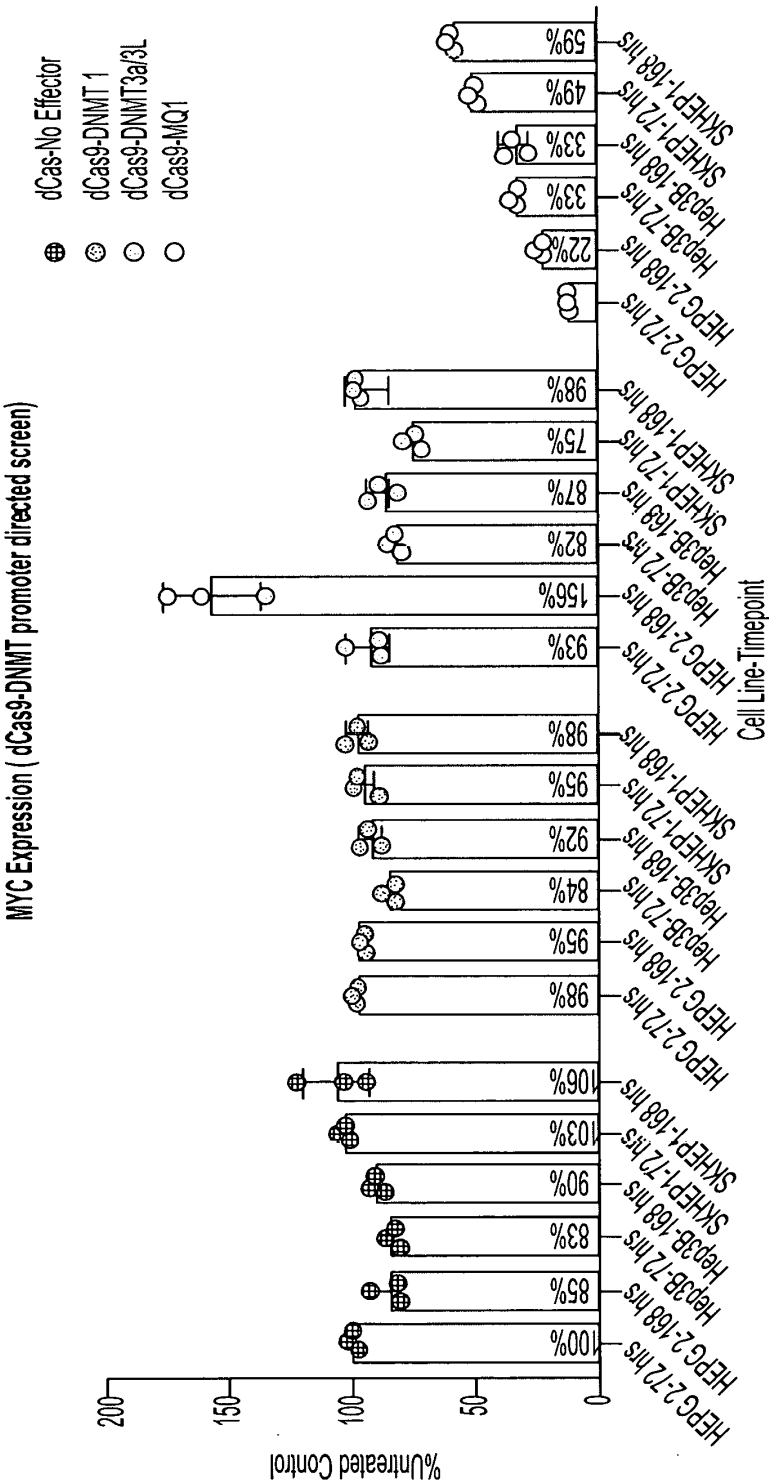


FIG. 8A

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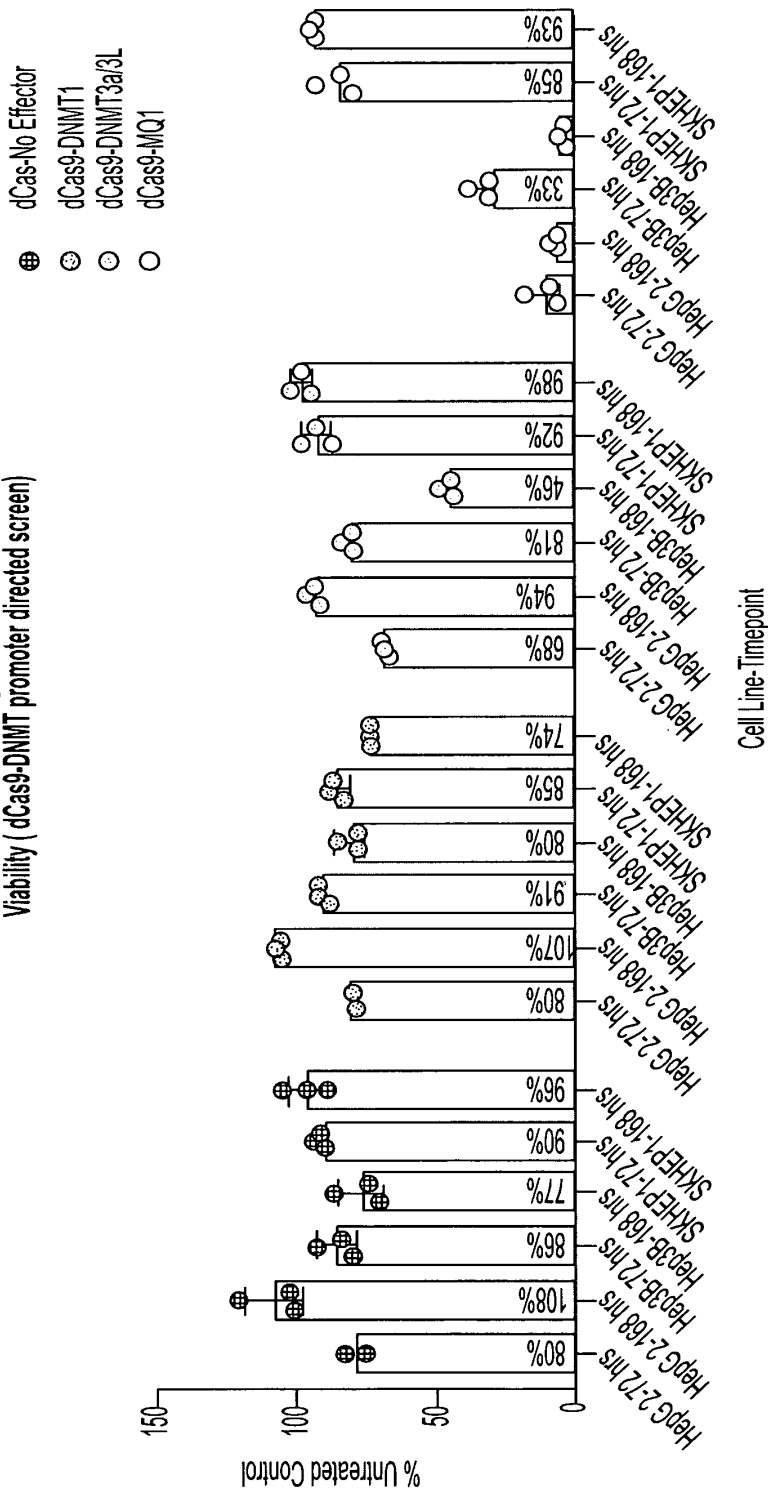


FIG. 8B

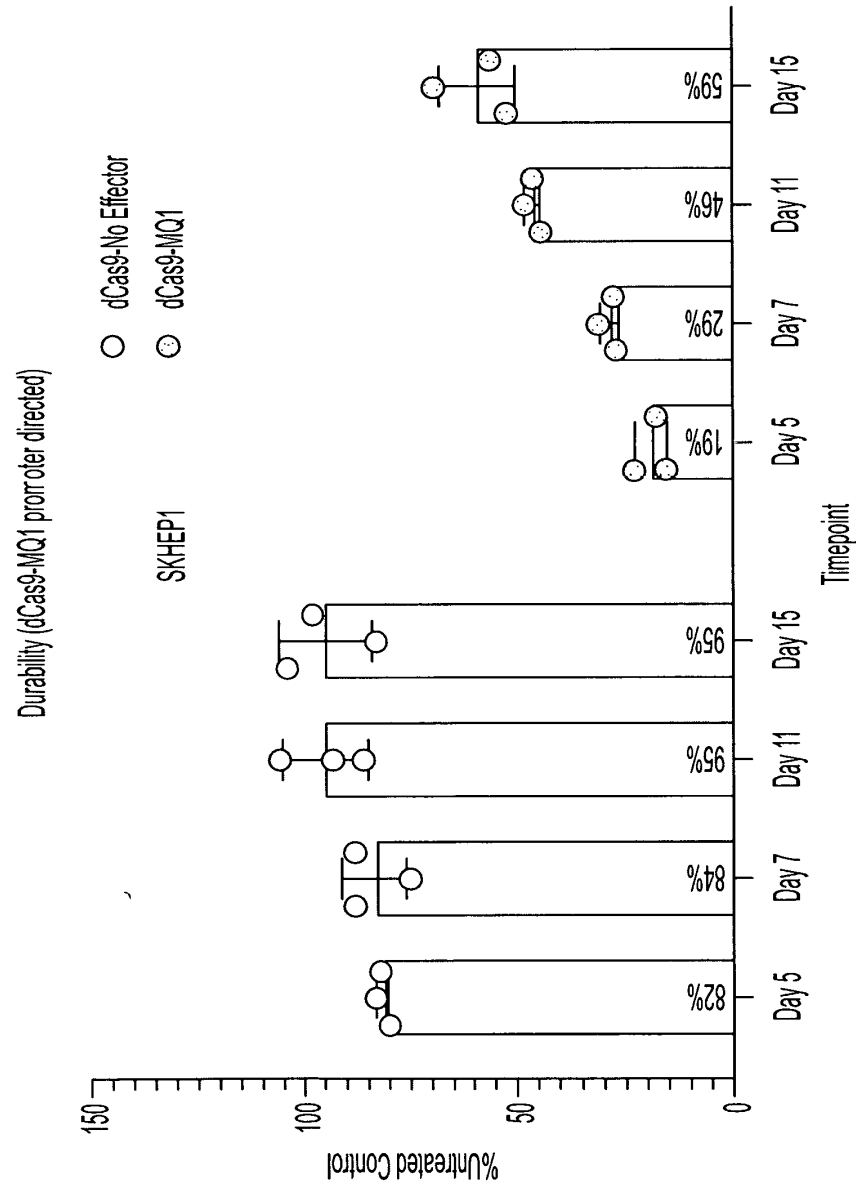


FIG. 8C

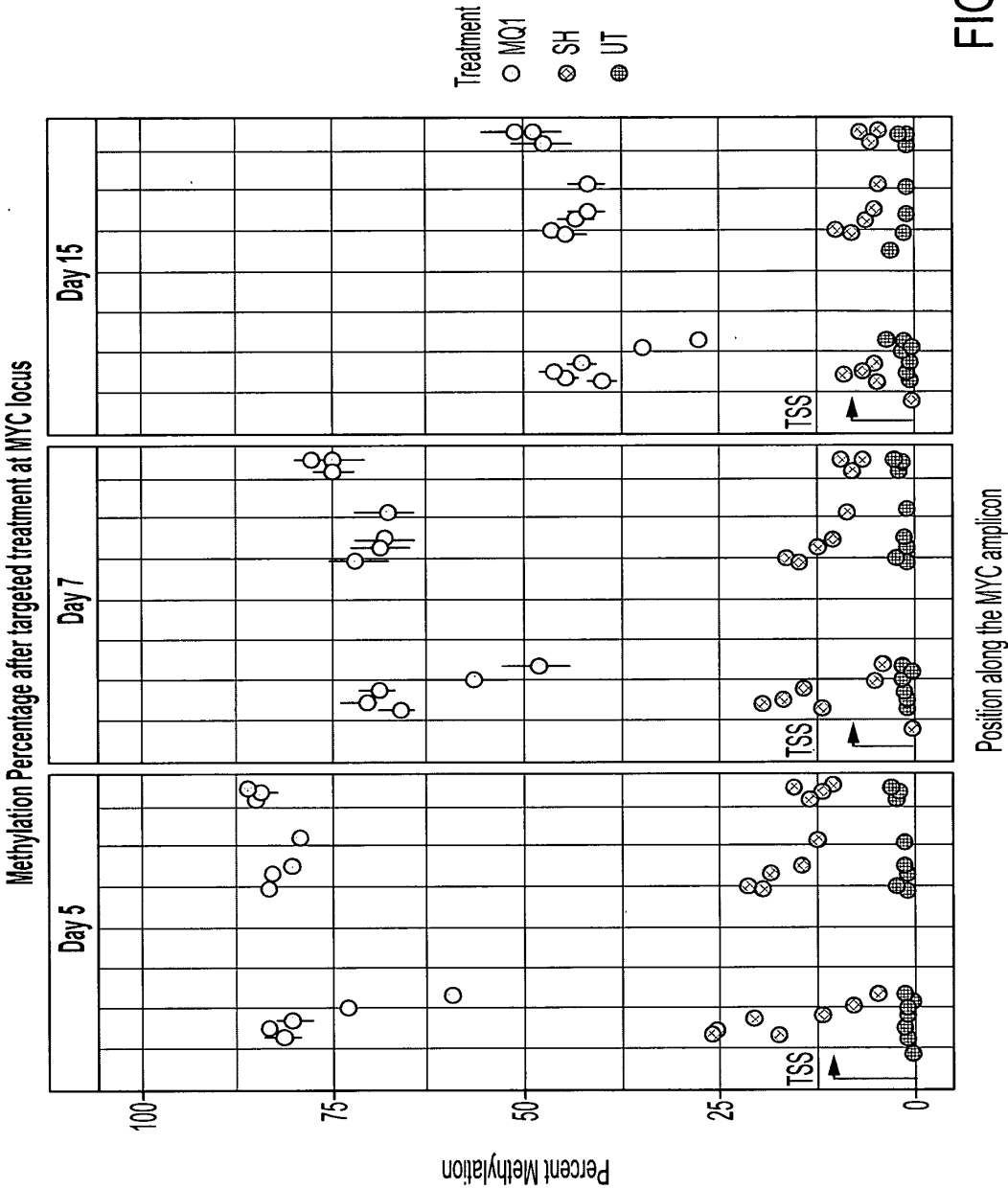


FIG. 8D

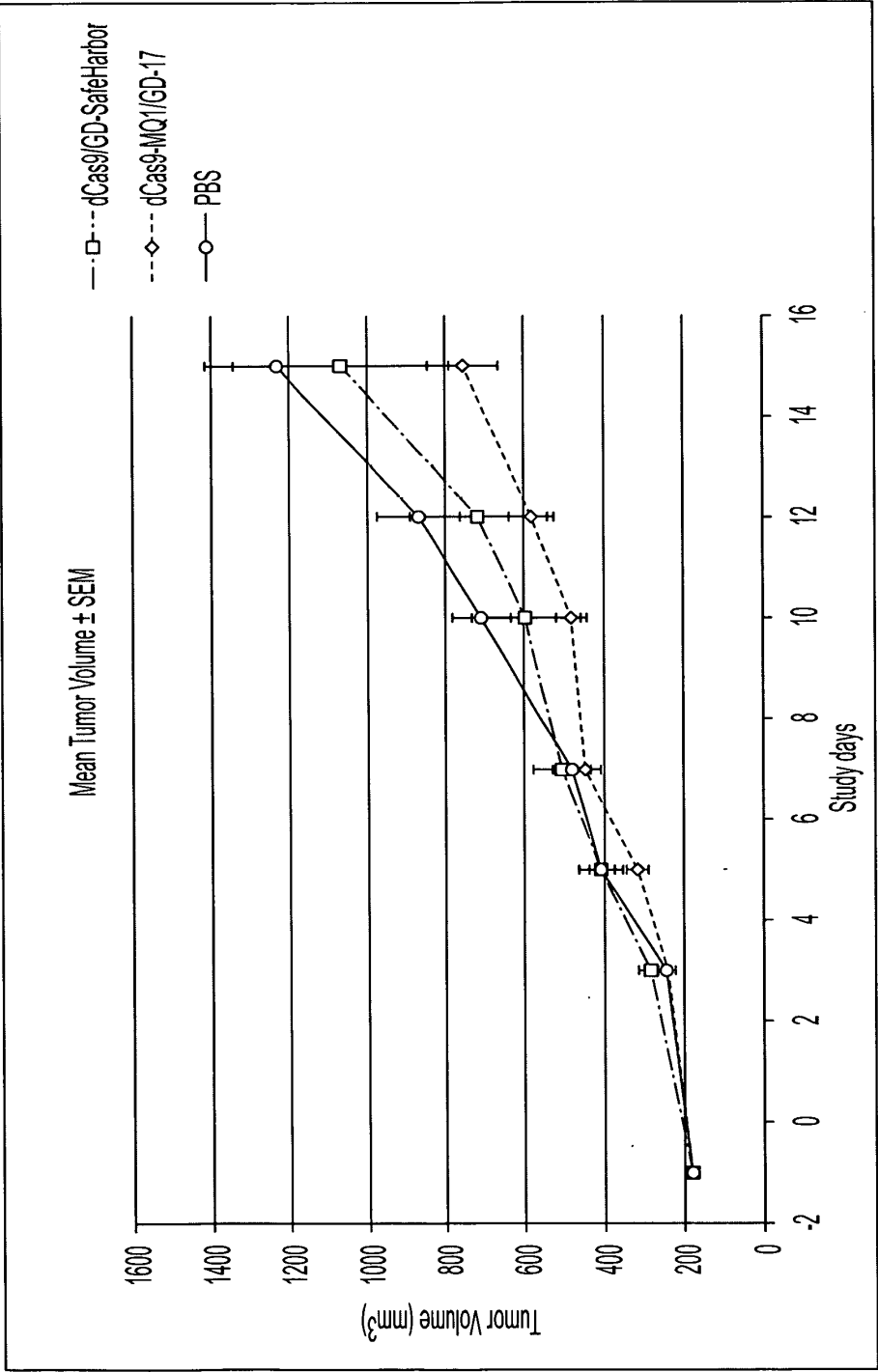


FIG. 9

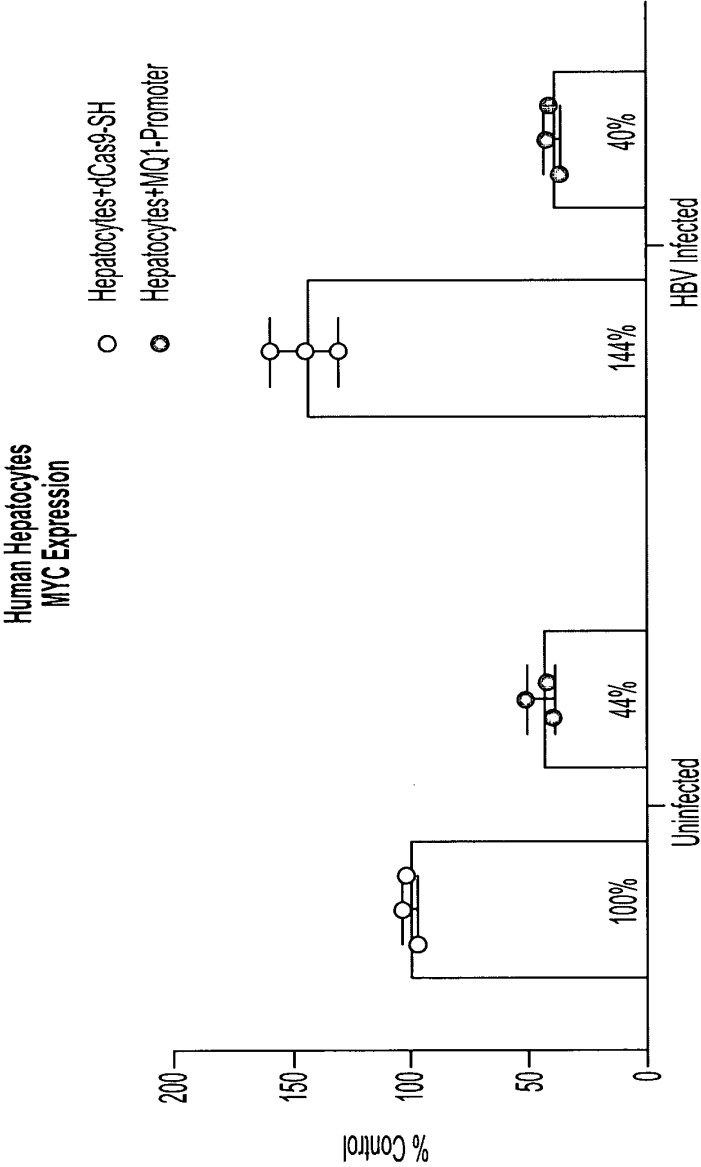


FIG. 10

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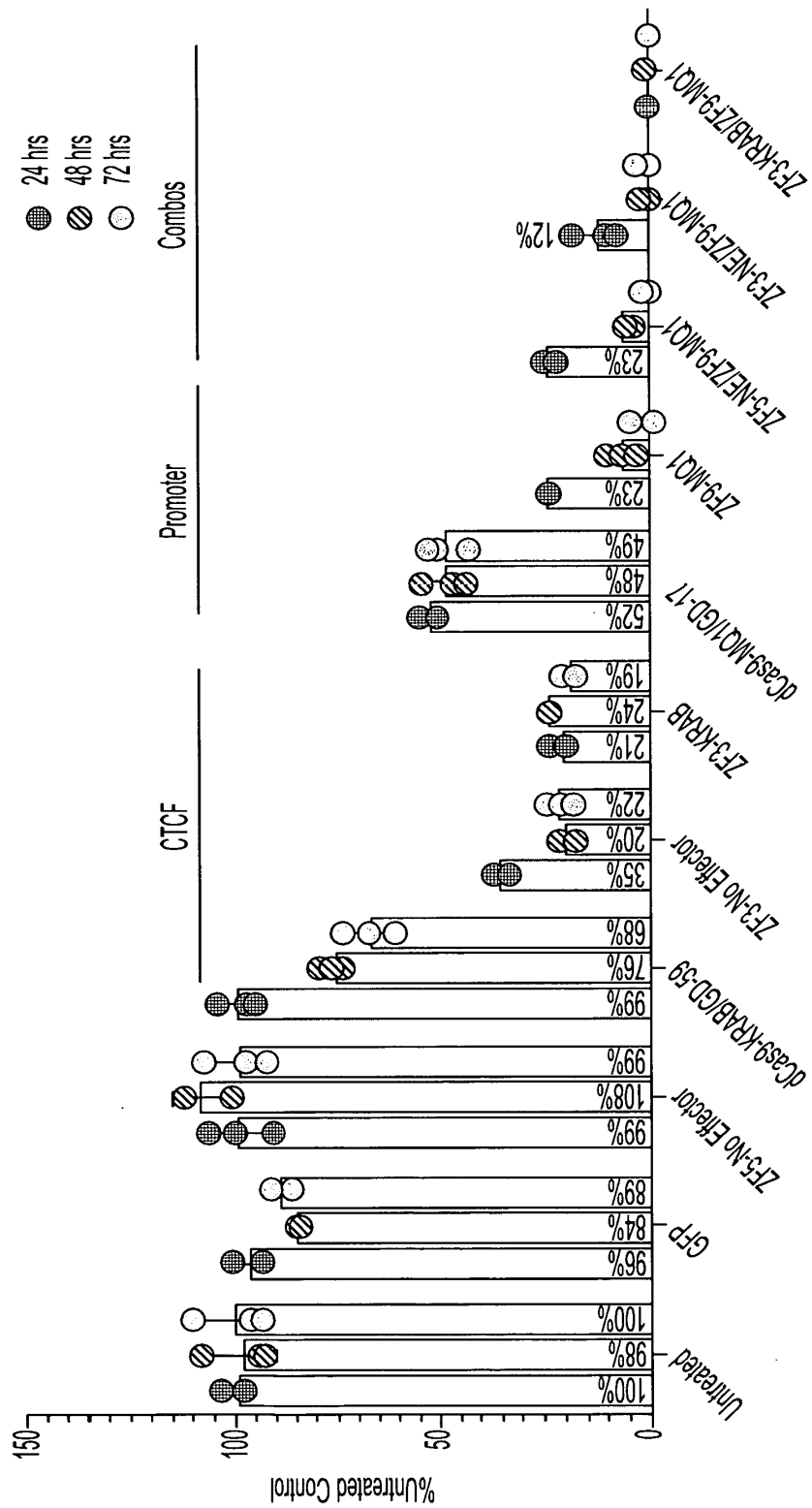


FIG. 11

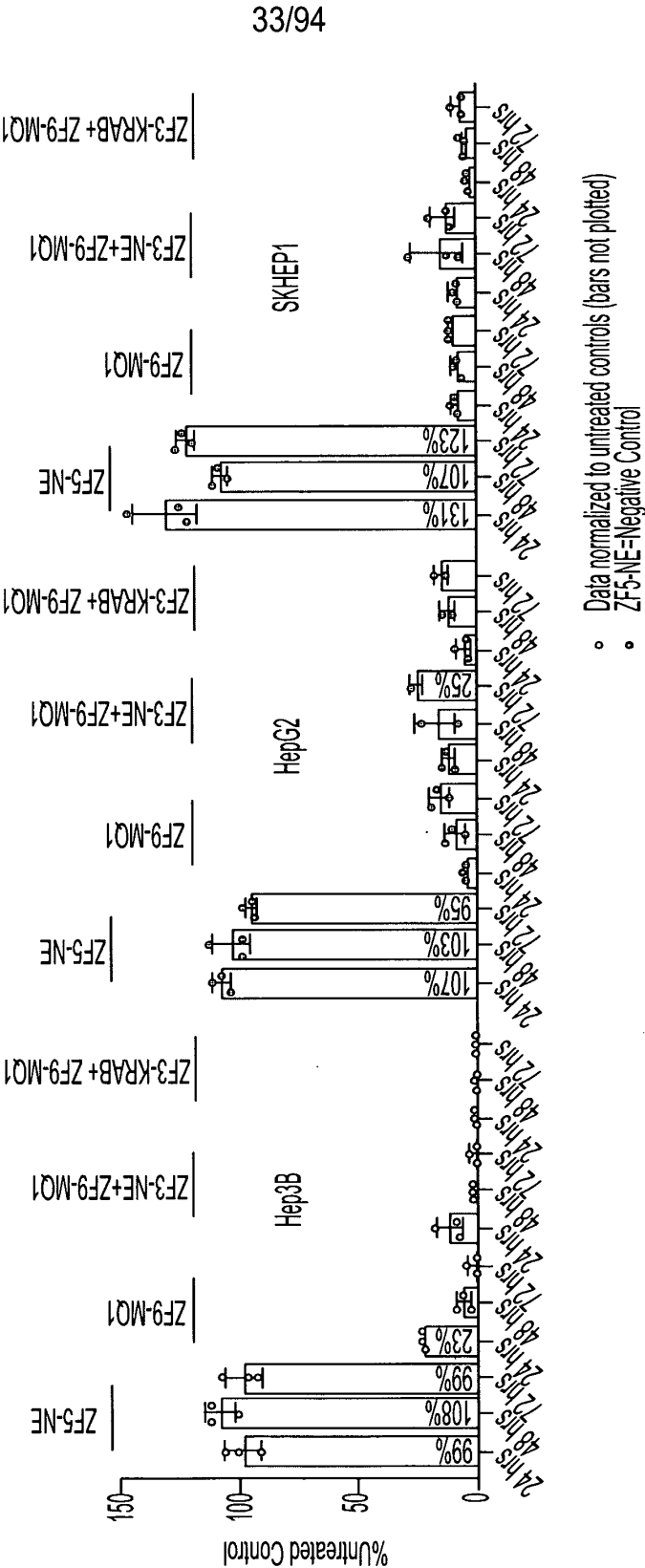


FIG. 12

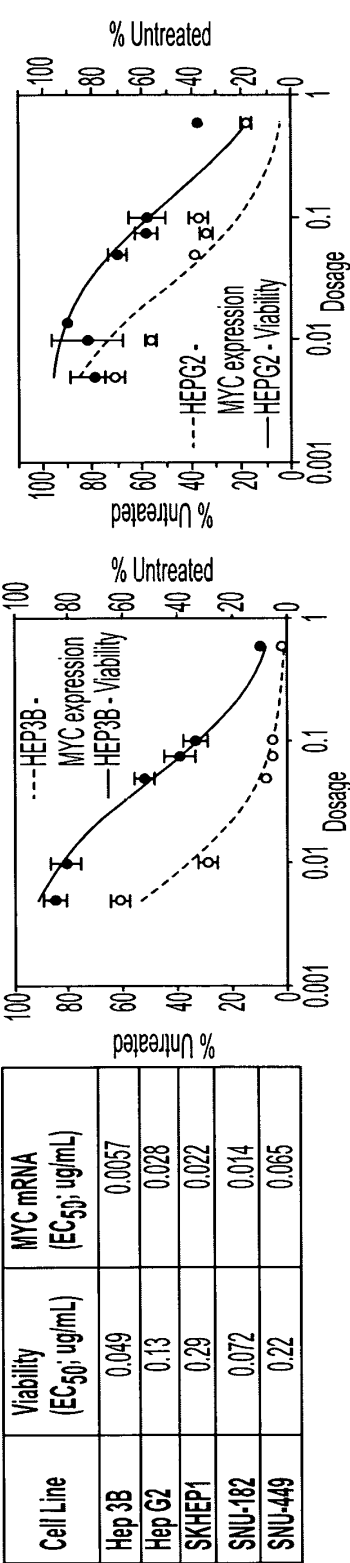


FIG. 13B

FIG. 13C

FIG. 13D

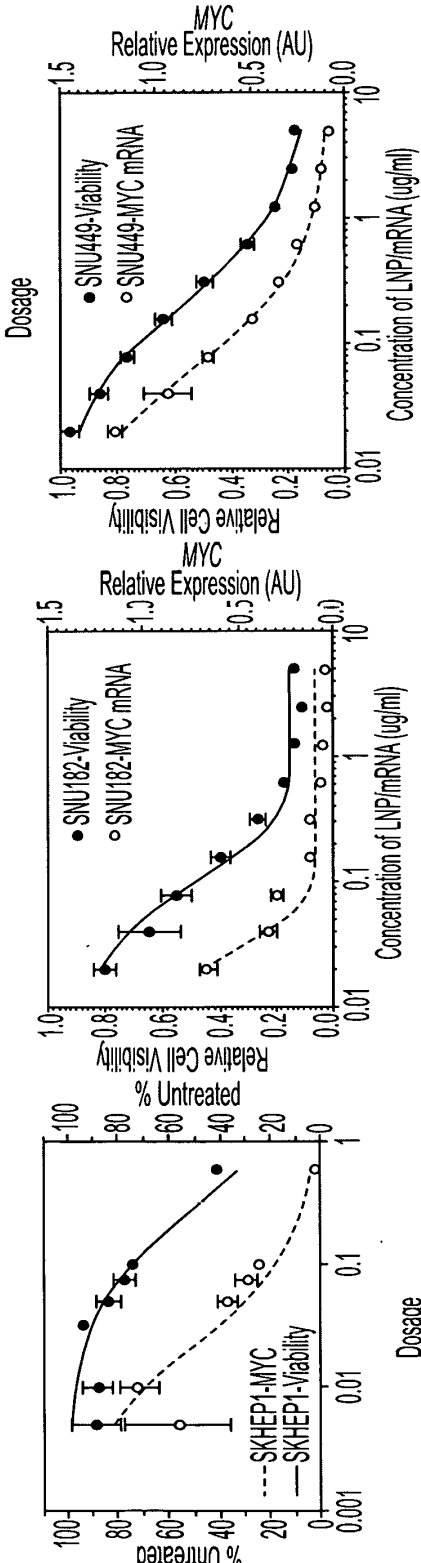


FIG. 13F

FIG. 13G

FIG. 13H

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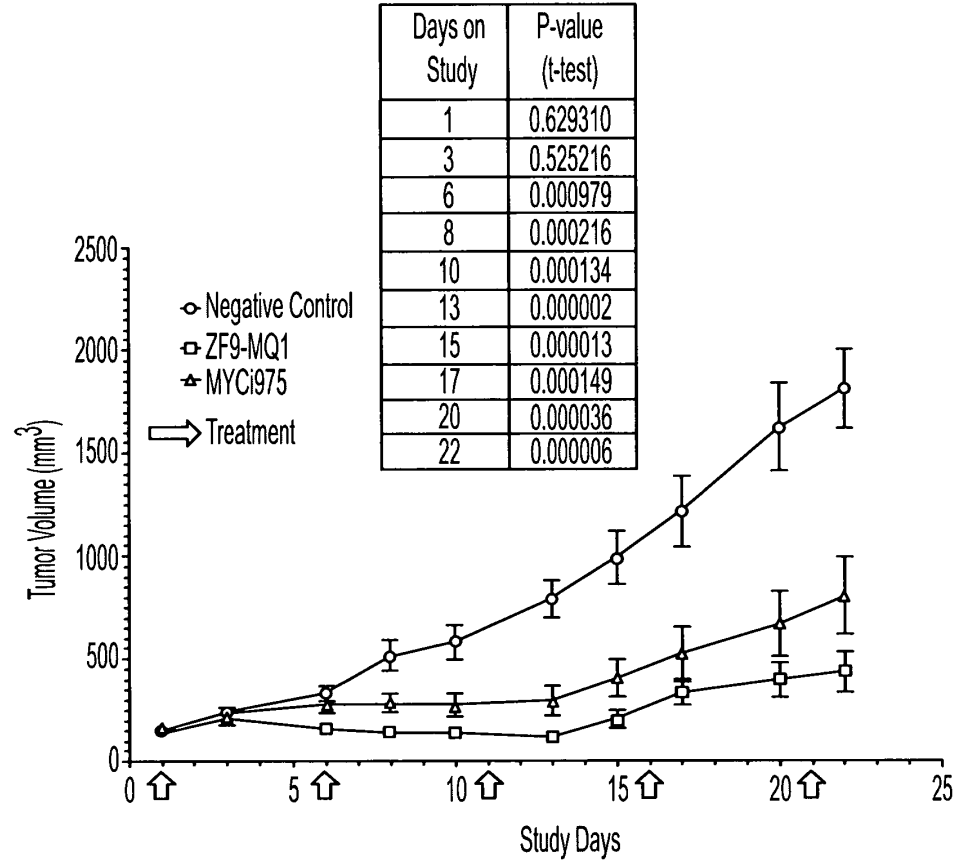


FIG. 14A

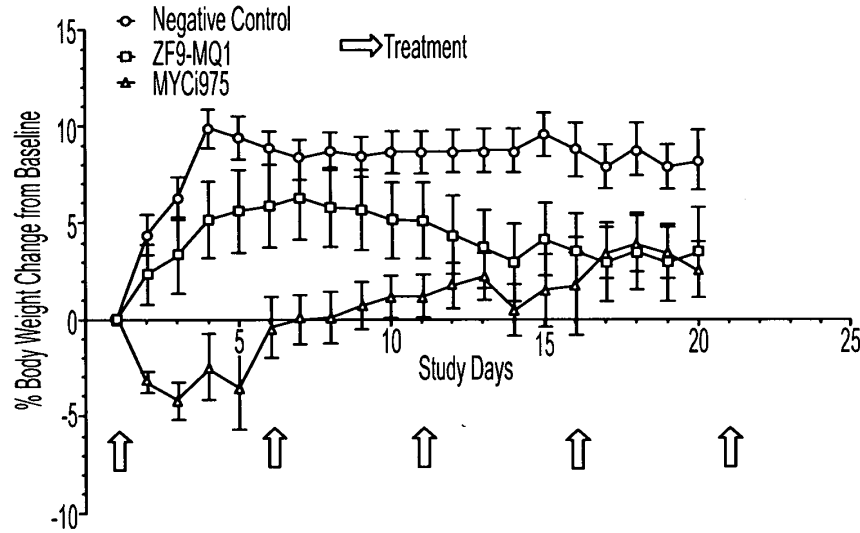


FIG. 14B

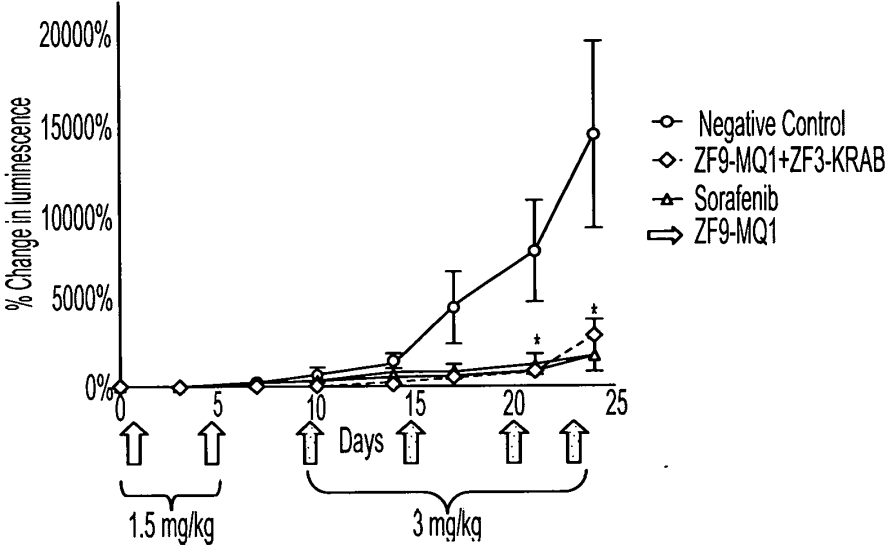


FIG. 15A

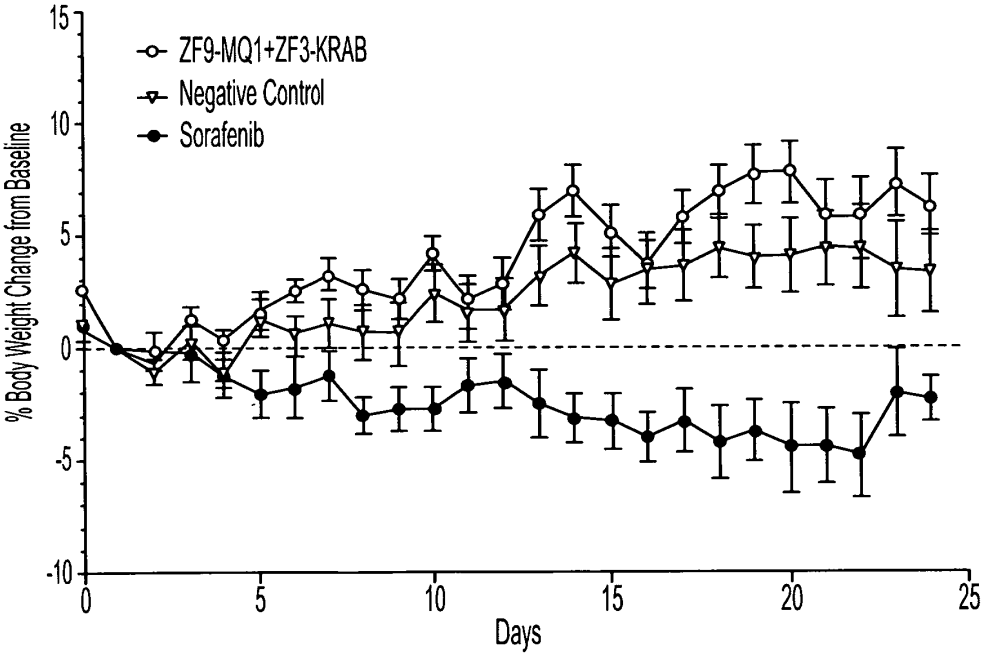


FIG. 15B

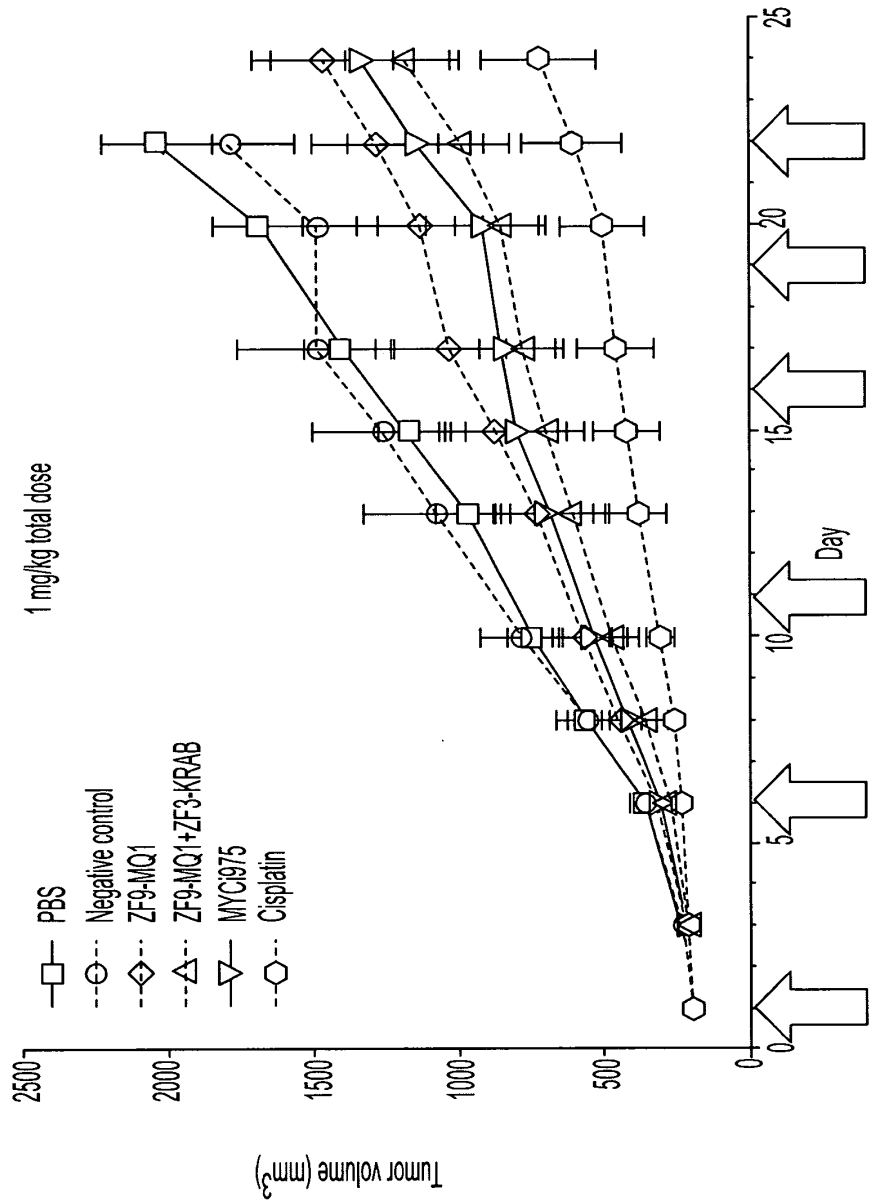


FIG. 16A

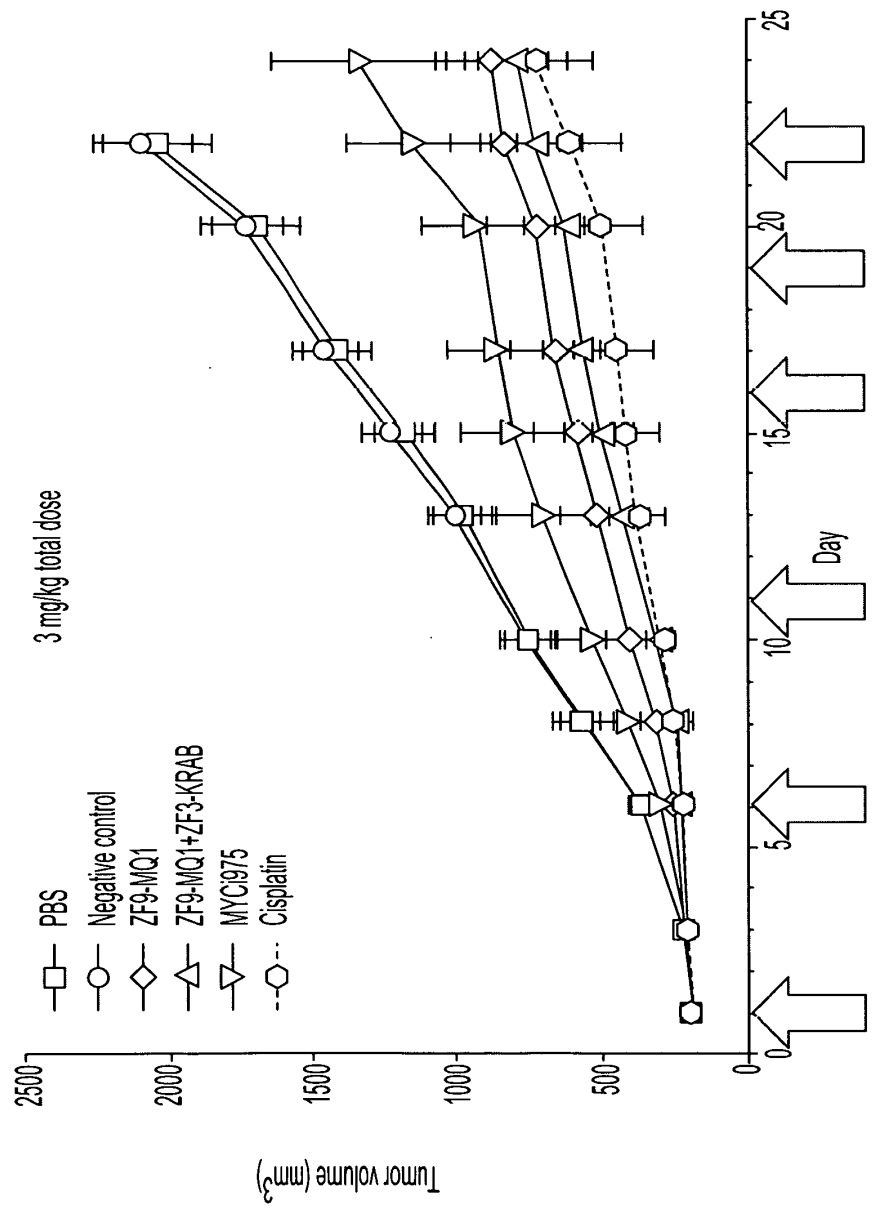


FIG. 16B

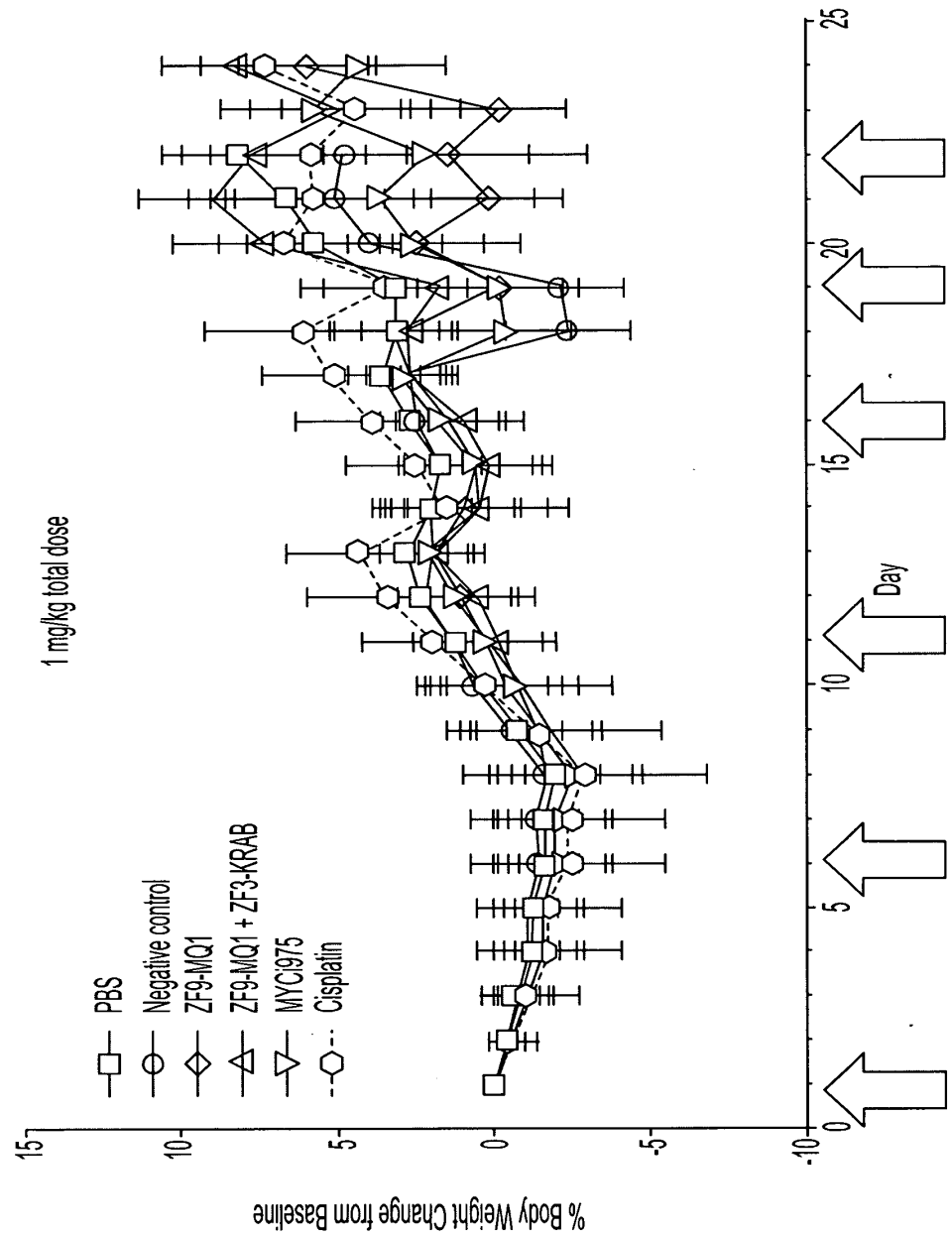


FIG. 16C

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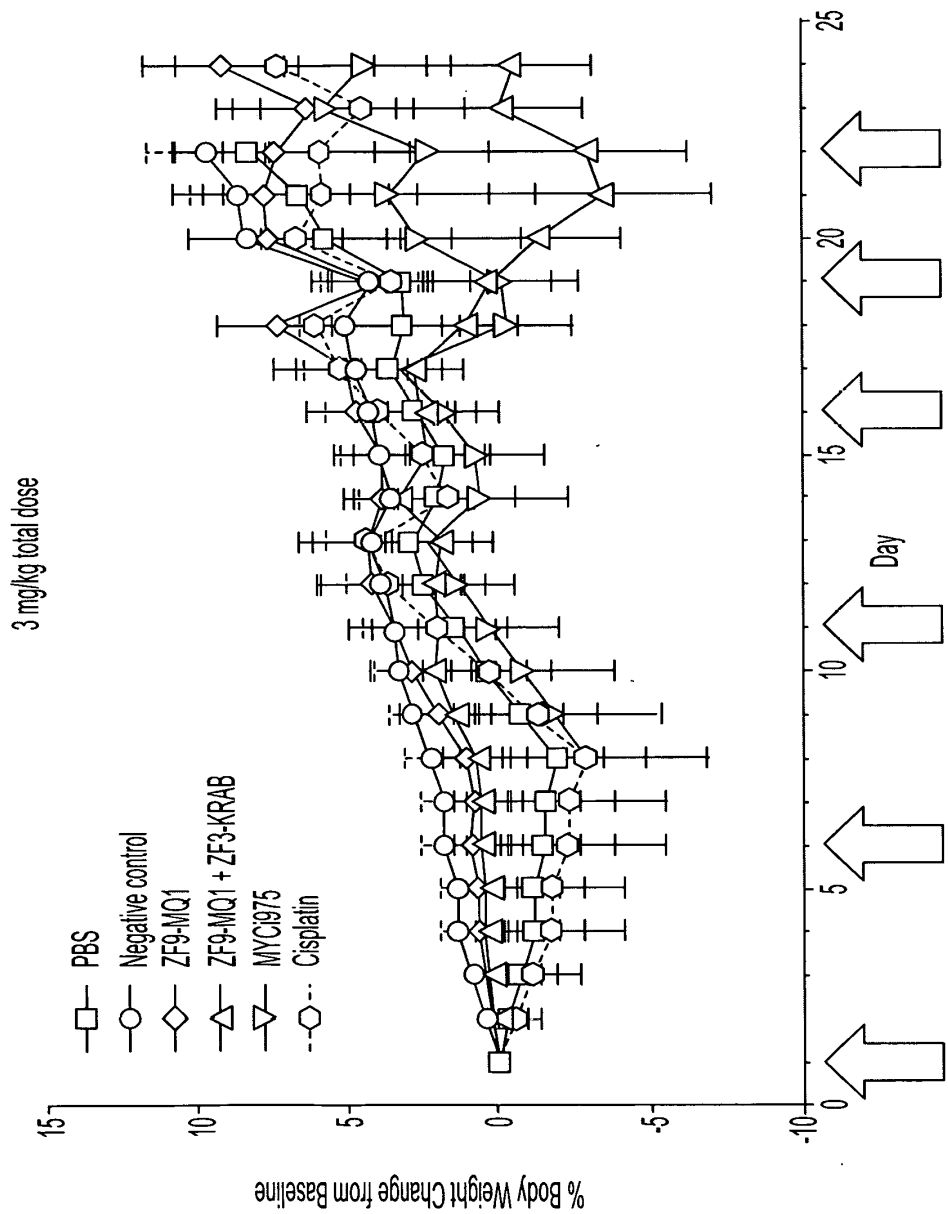
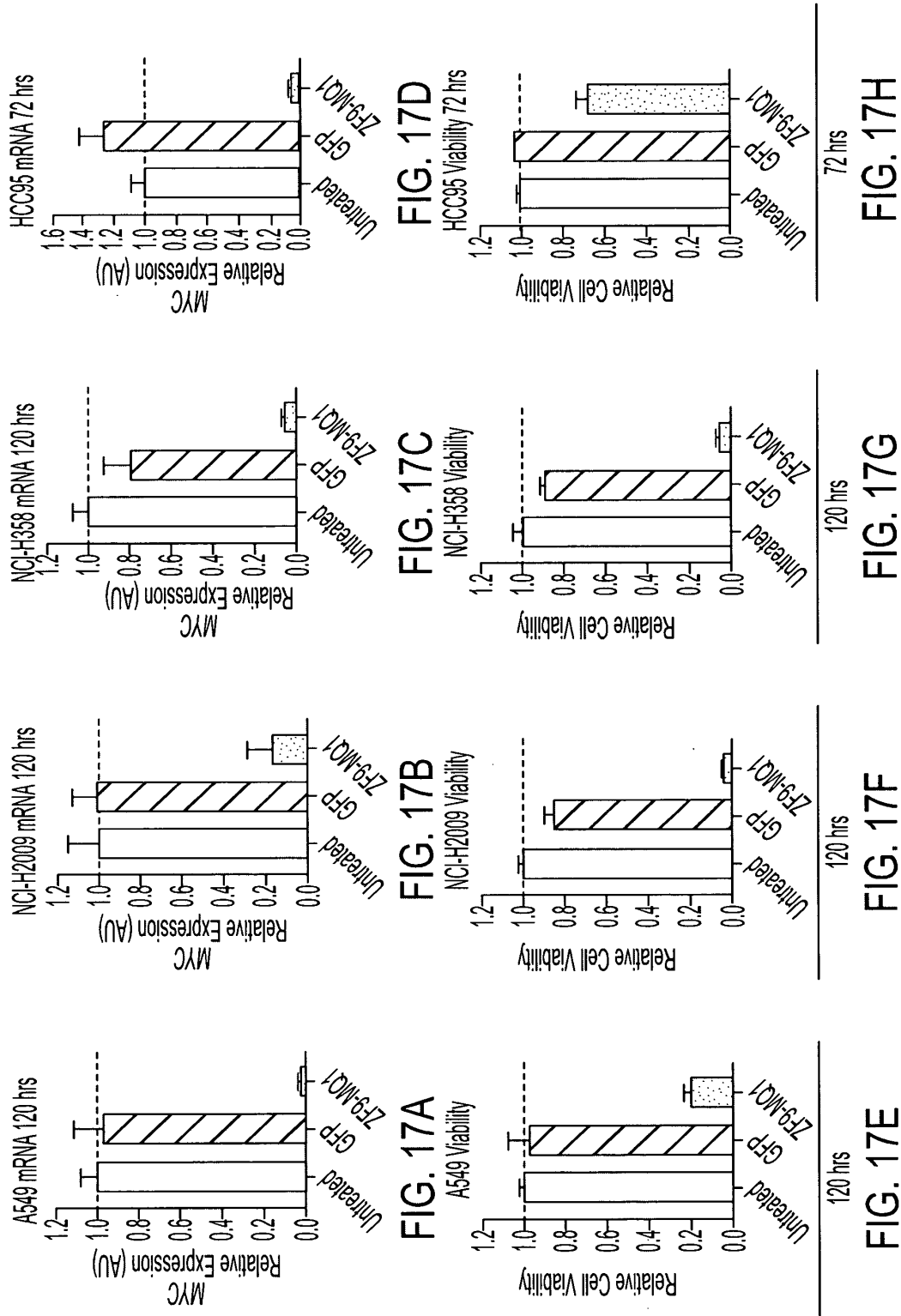


FIG. 16D



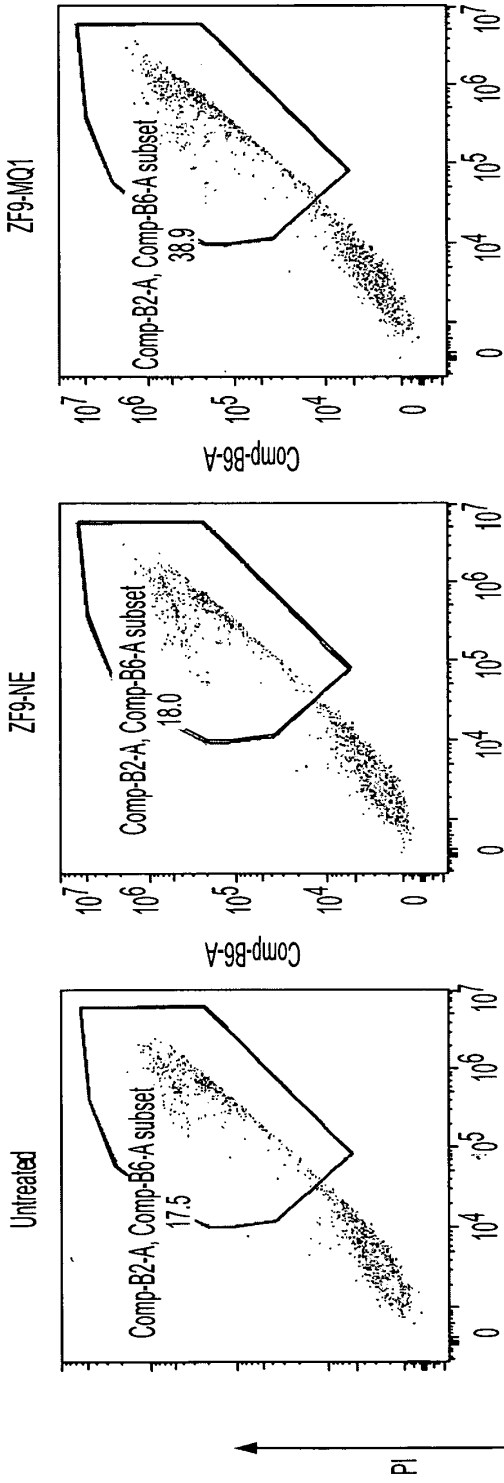


FIG. 18A

FIG. 18B

FIG. 18C

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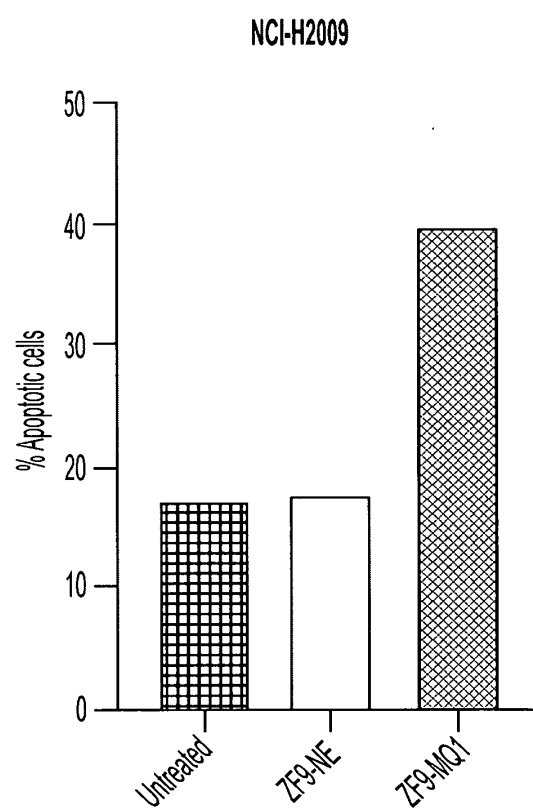


FIG. 18D

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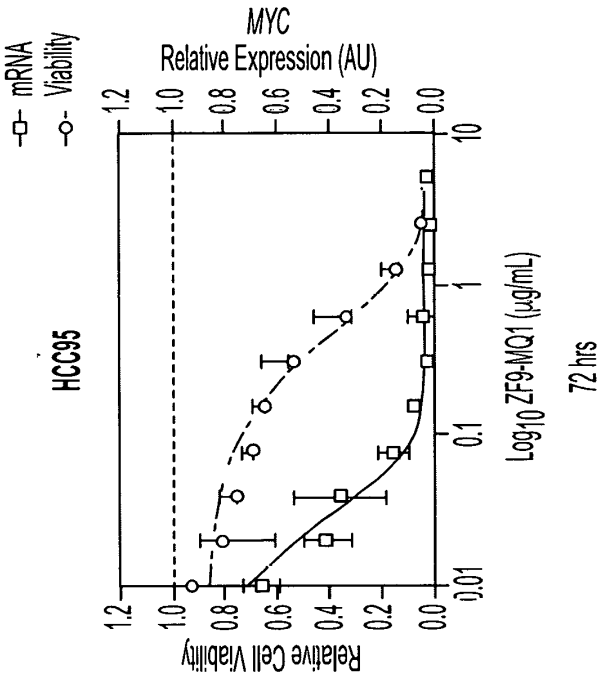


FIG. 19B

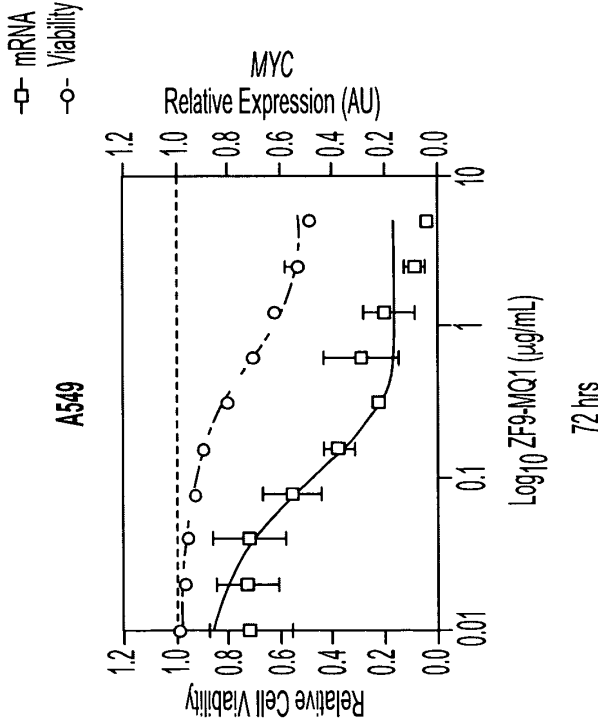


FIG. 19A

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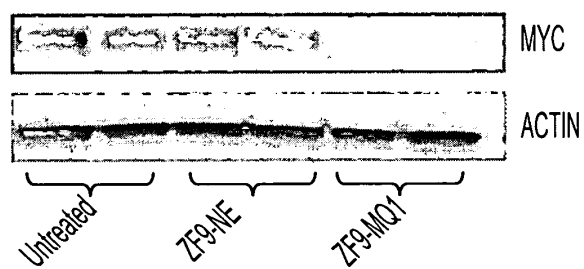


FIG. 20A

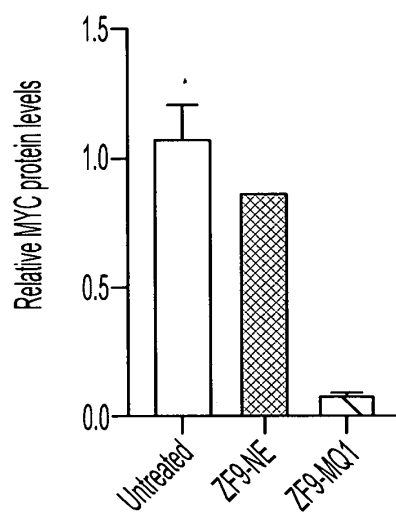


FIG. 20B

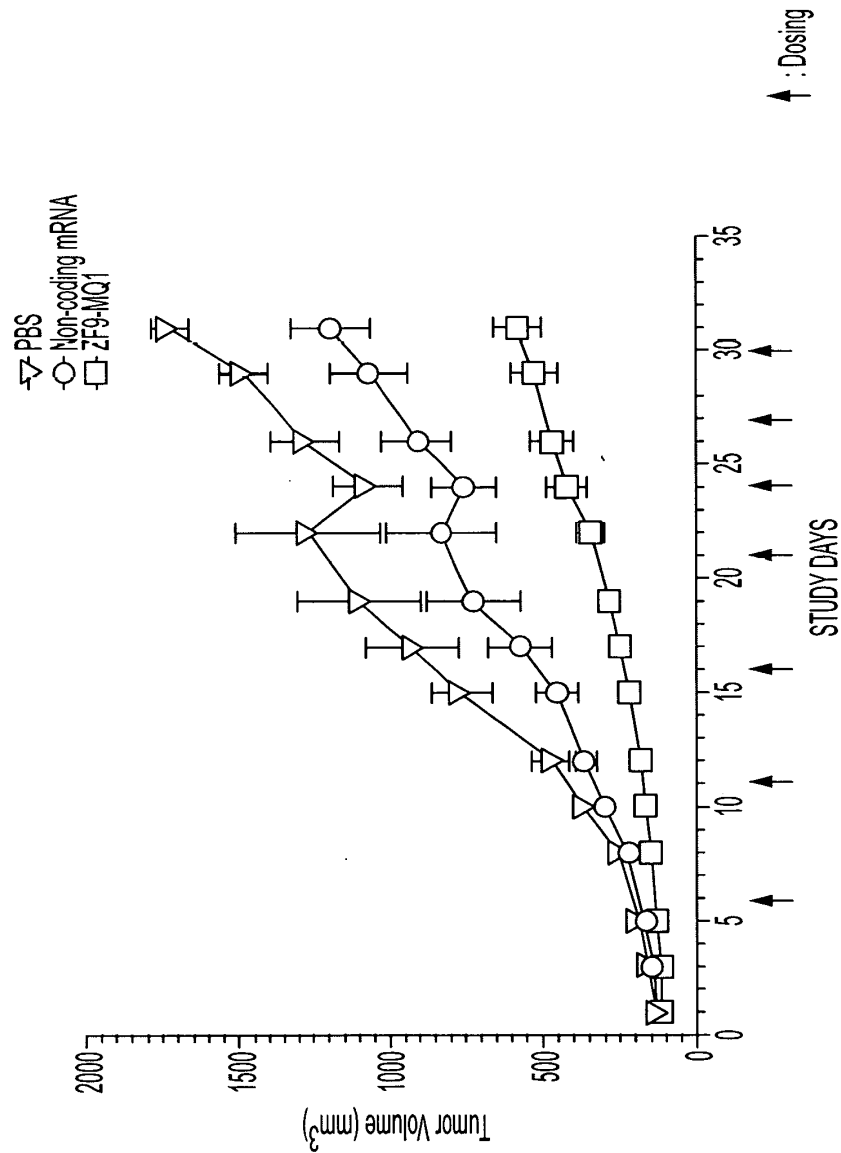


FIG. 21

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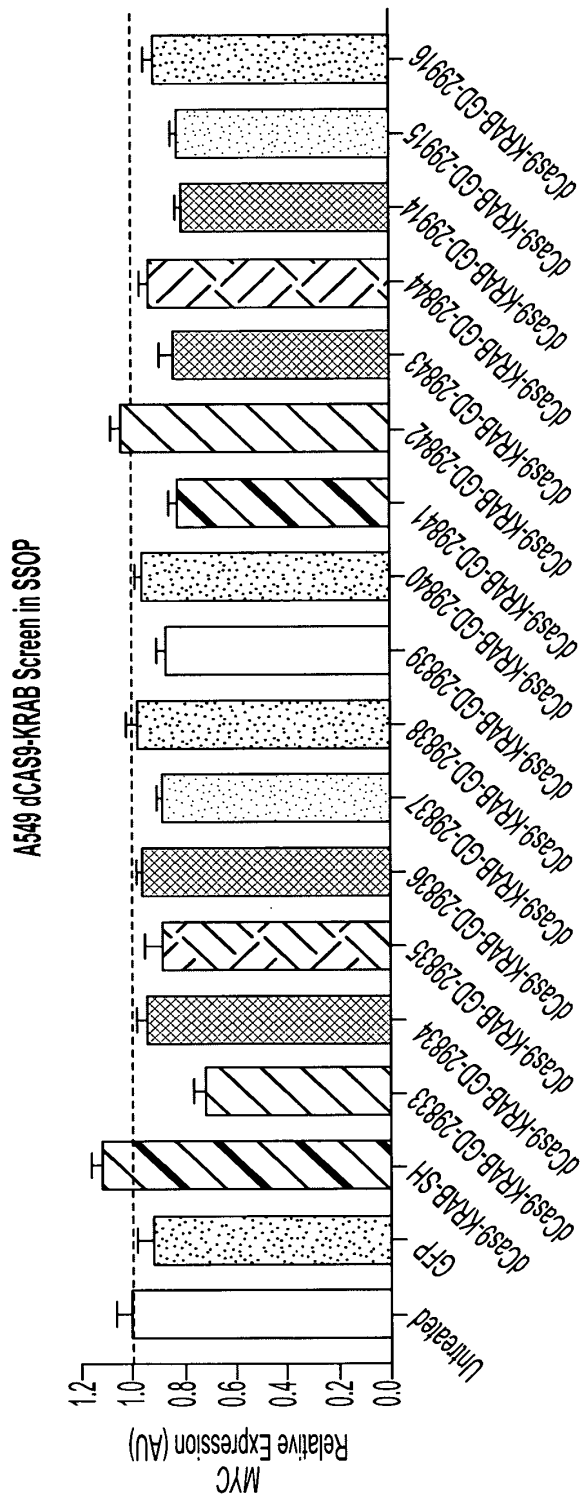


FIG. 22

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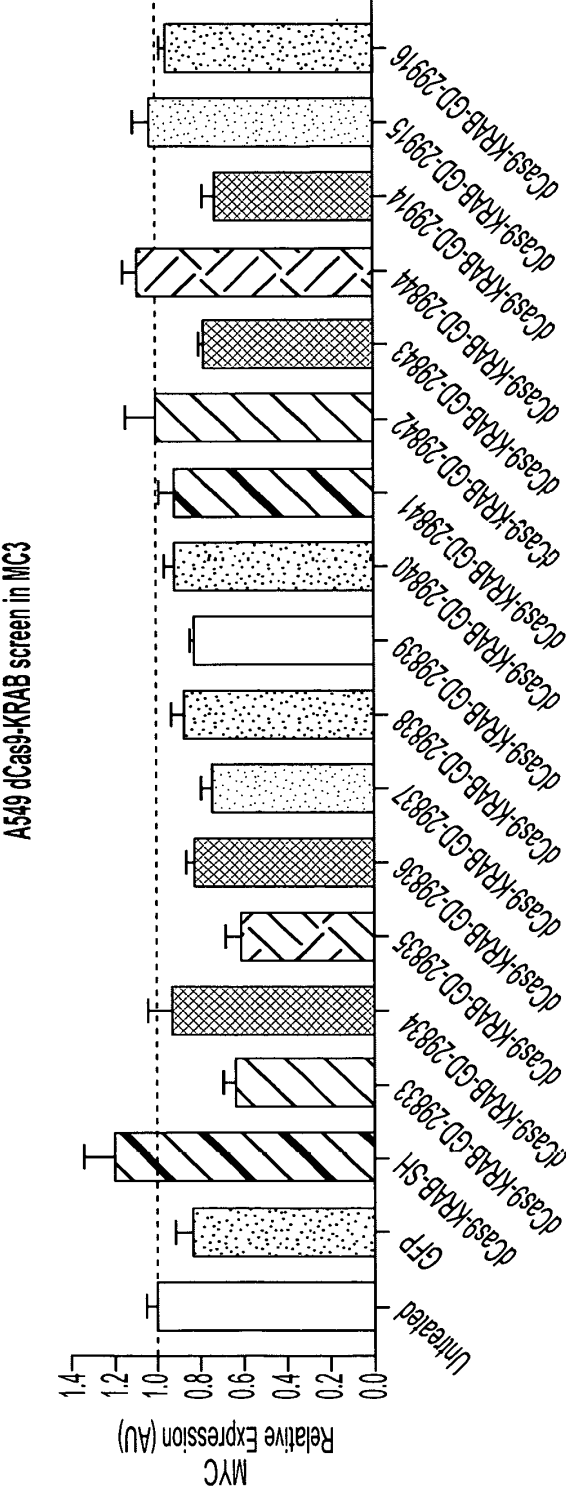


FIG. 23

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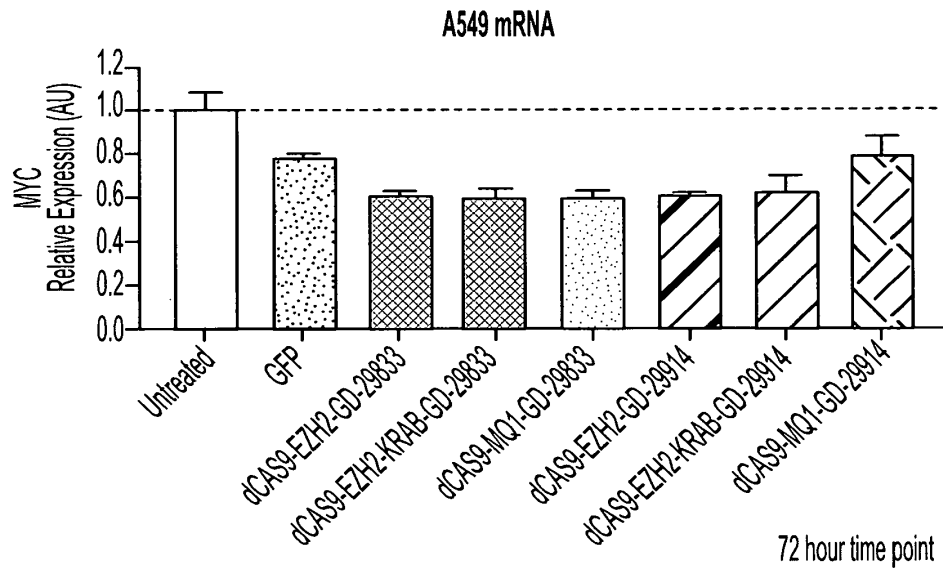


FIG. 24A

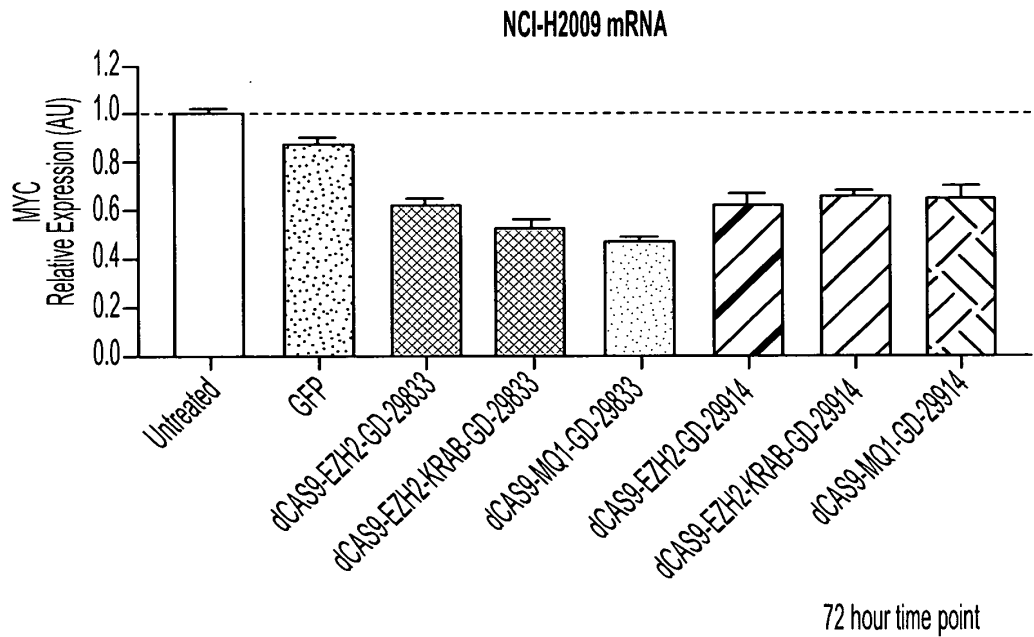


FIG. 24B

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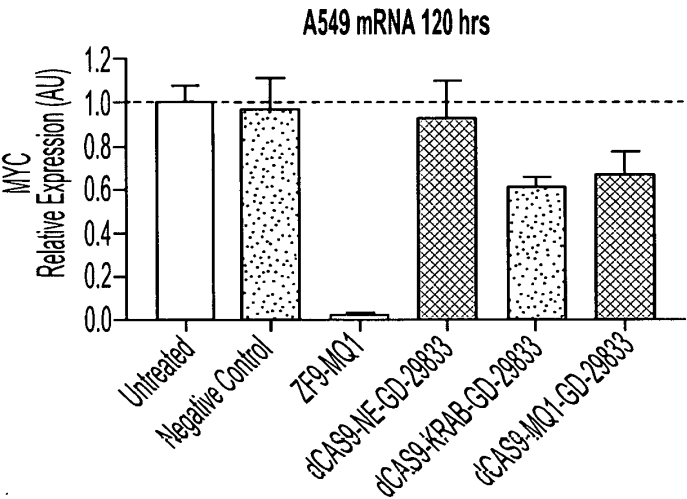


FIG. 25A

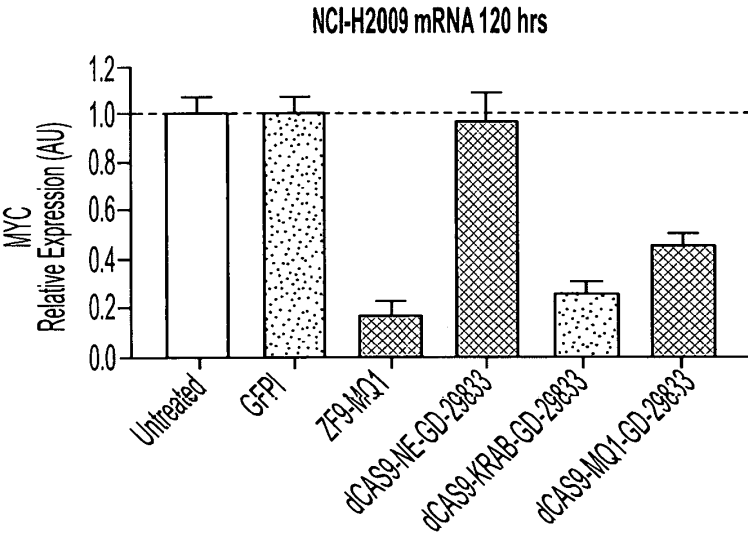


FIG. 25B

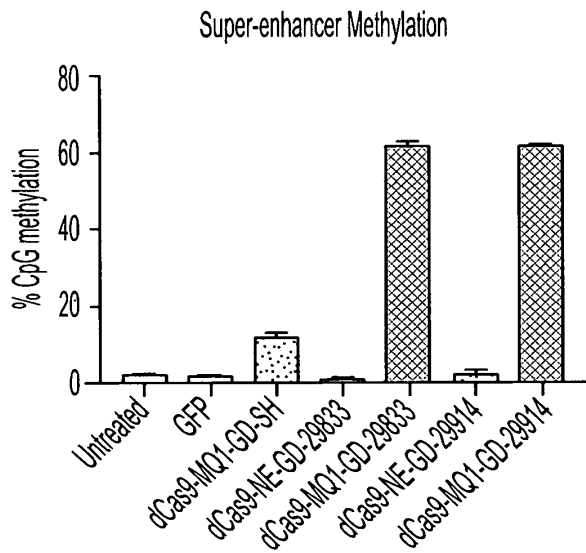


FIG. 26A

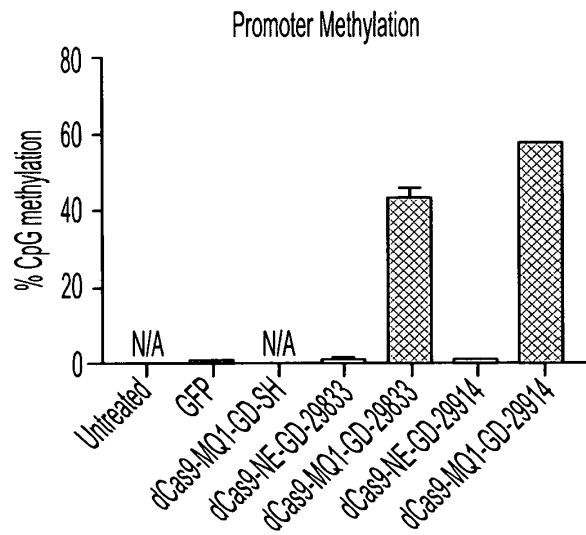


FIG. 26B

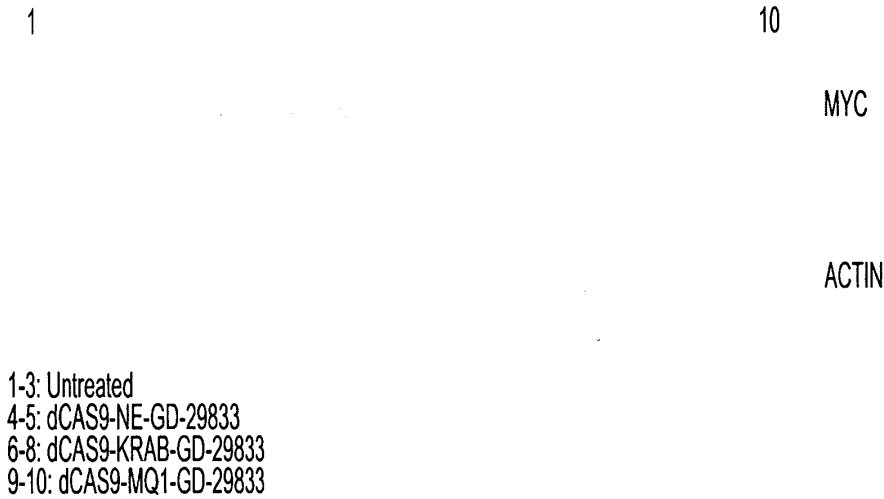


FIG. 27A

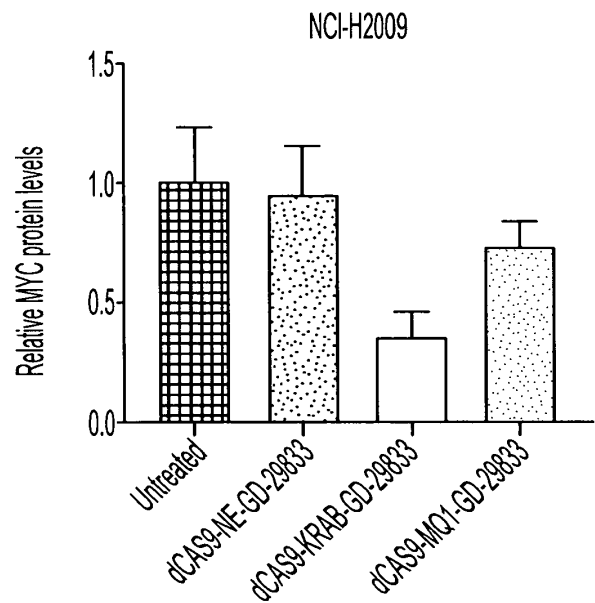


FIG. 27B

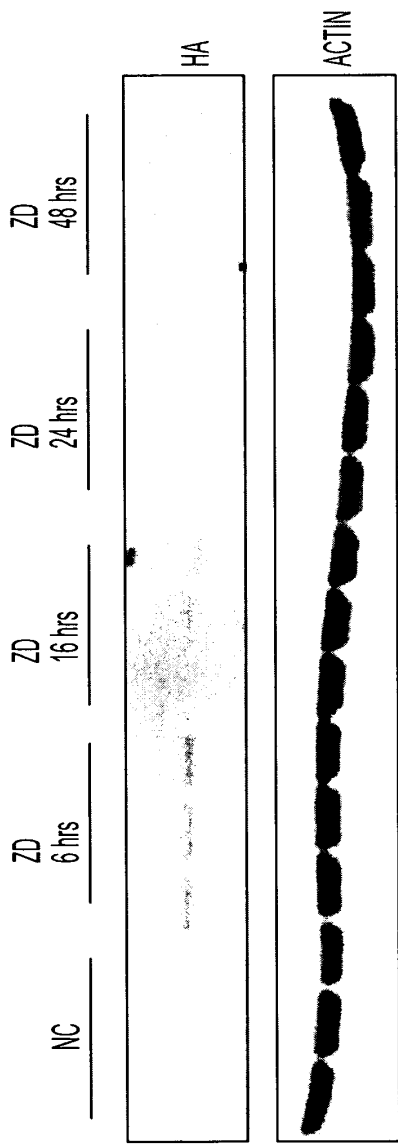


FIG. 28A

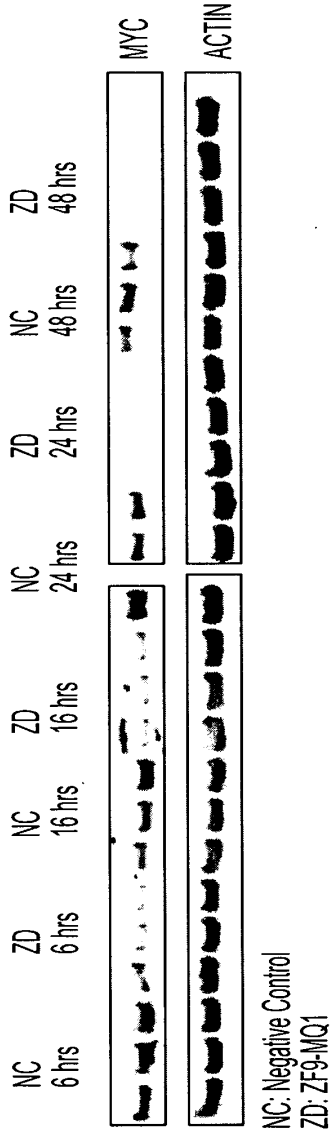


FIG. 28B

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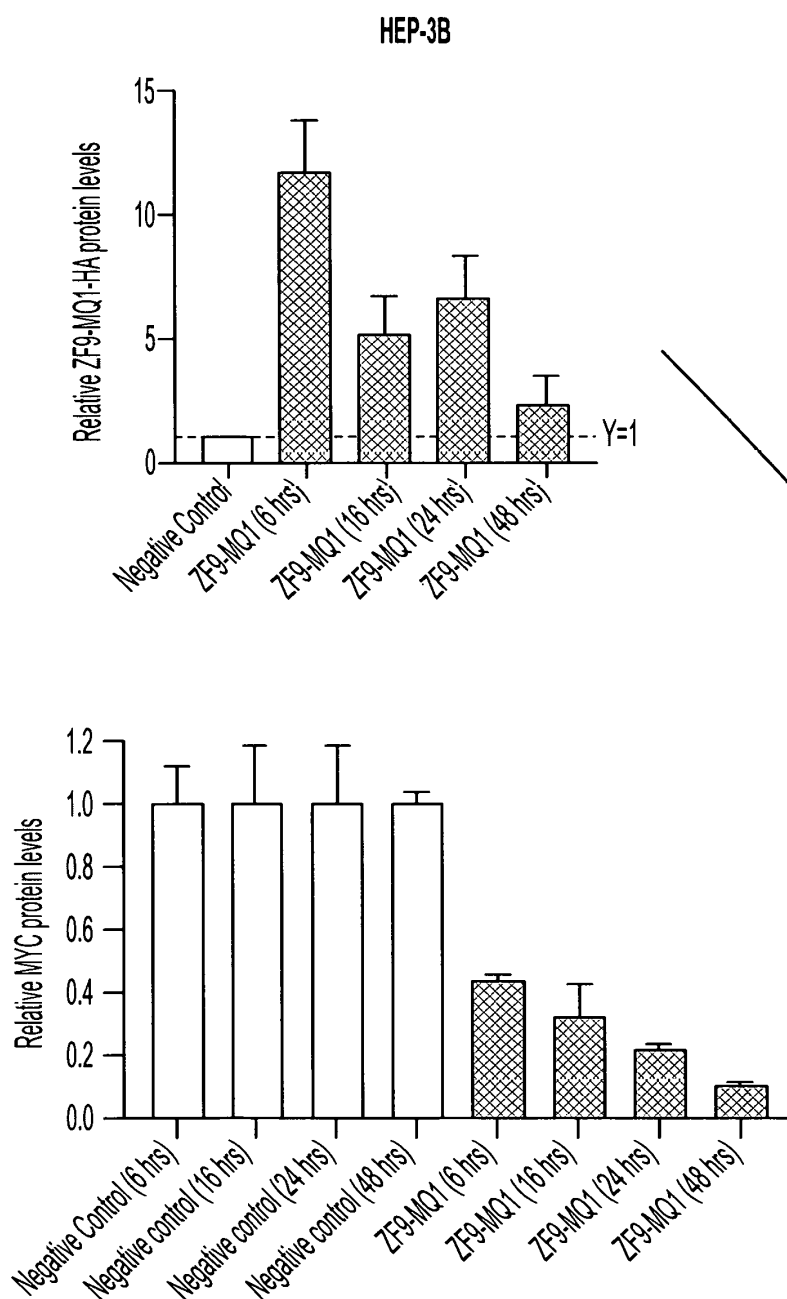


FIG. 28C

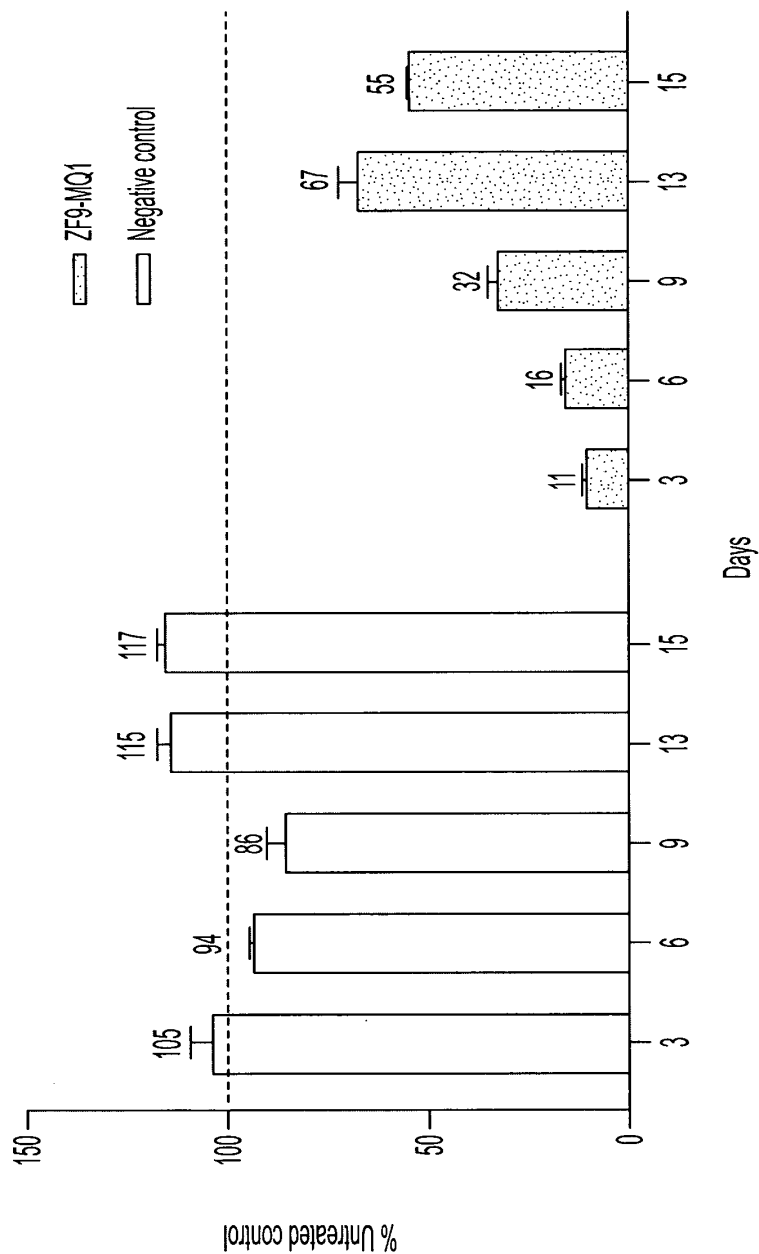


FIG. 29A

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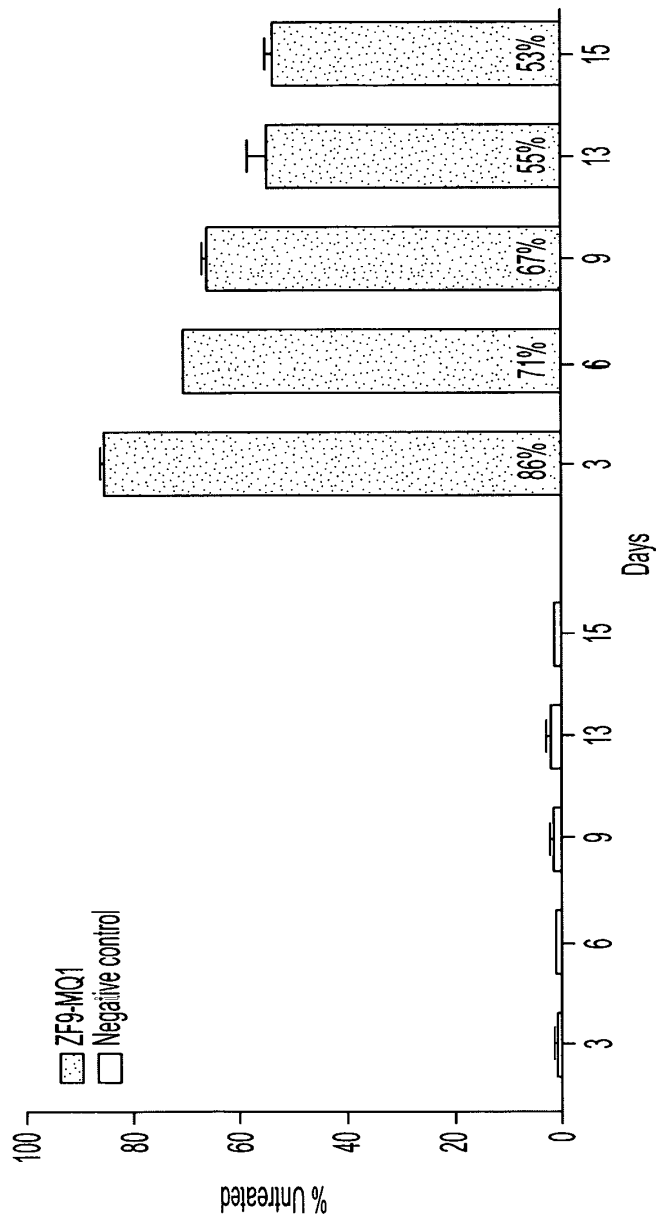


FIG. 29B

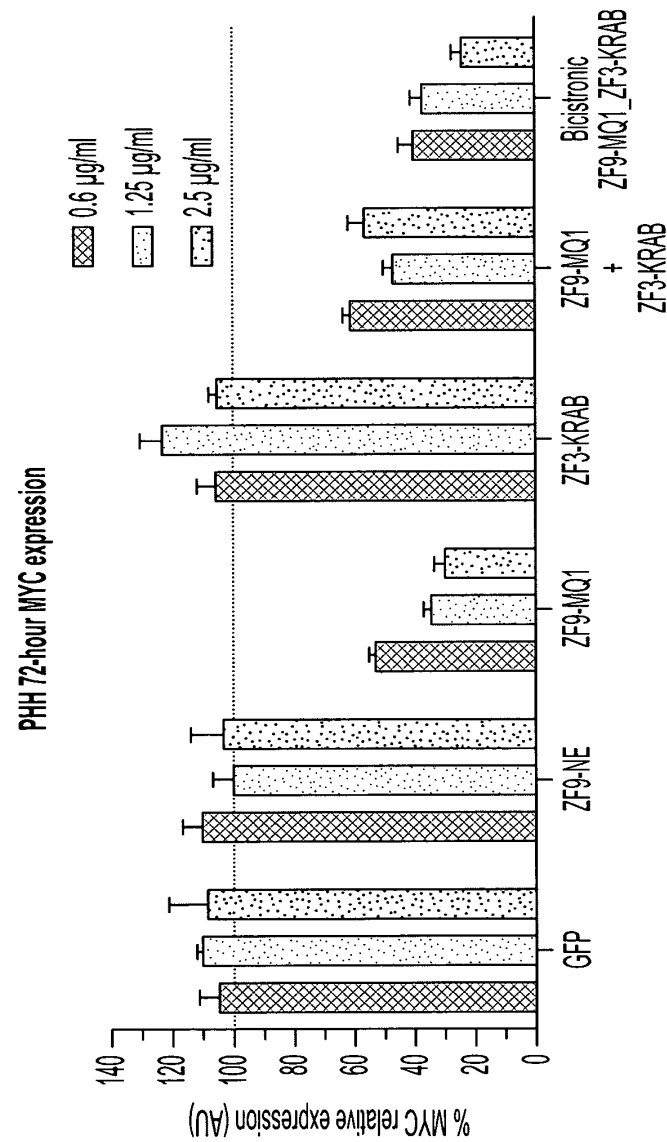


FIG. 30A

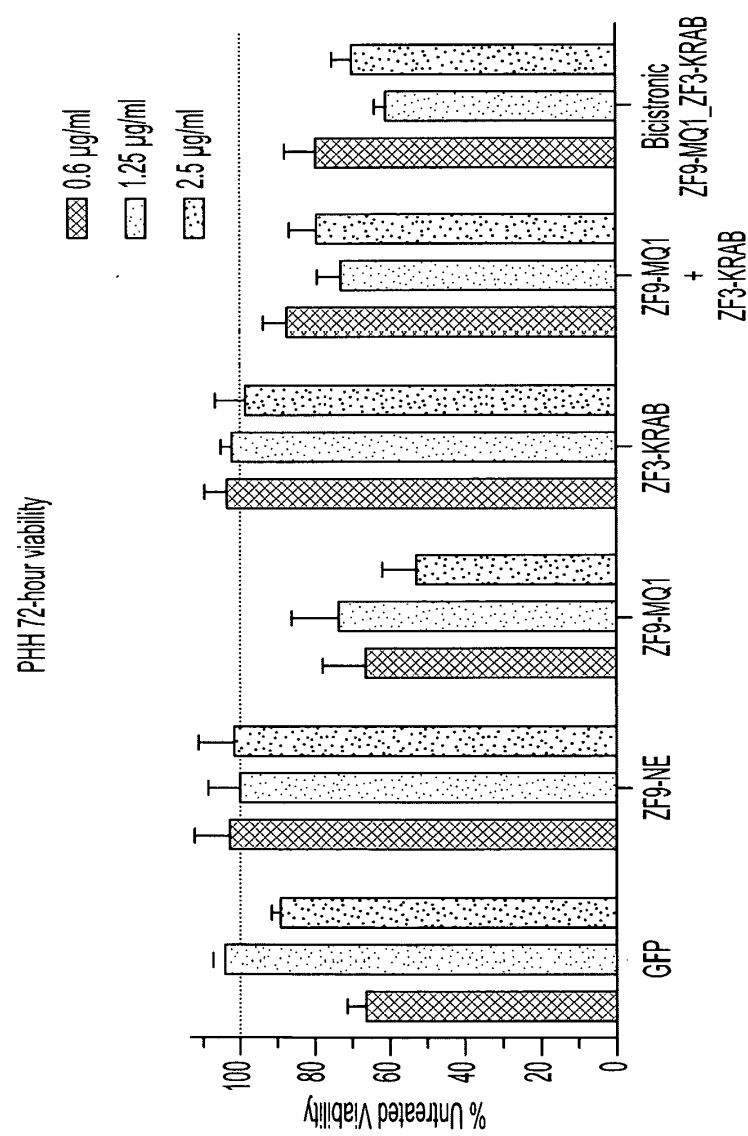


FIG. 30B

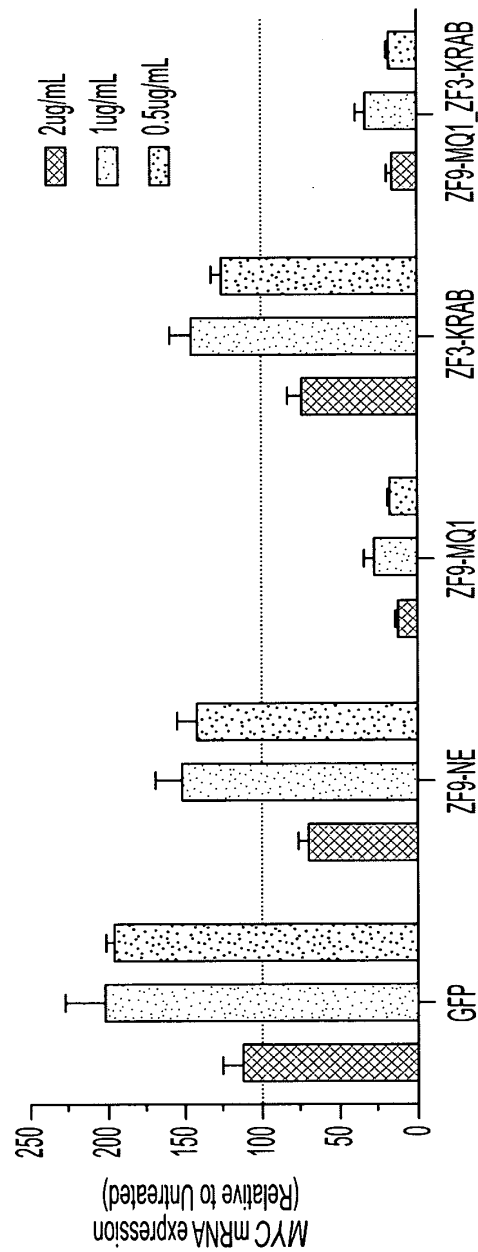


FIG. 30C

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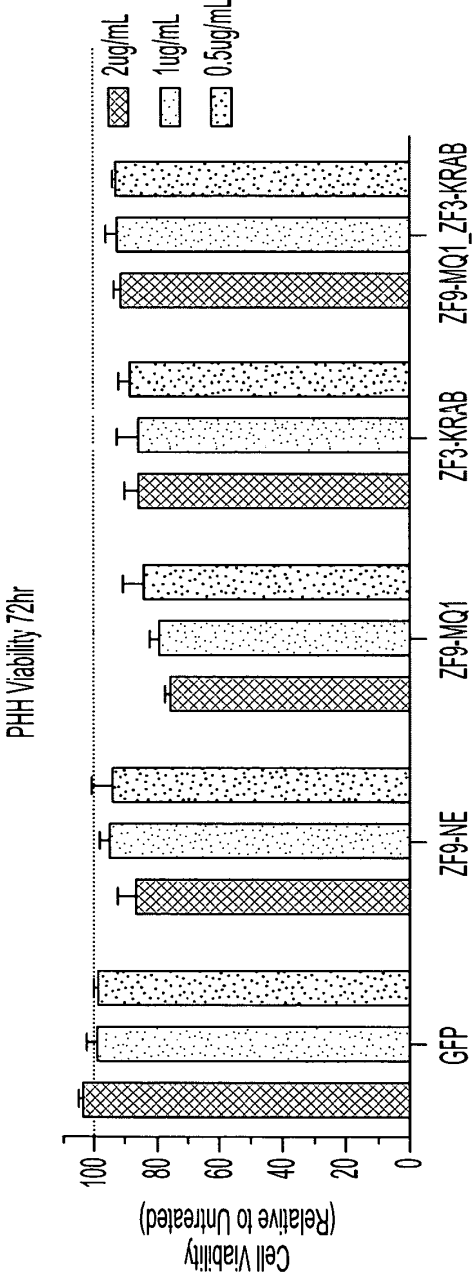


FIG. 30D

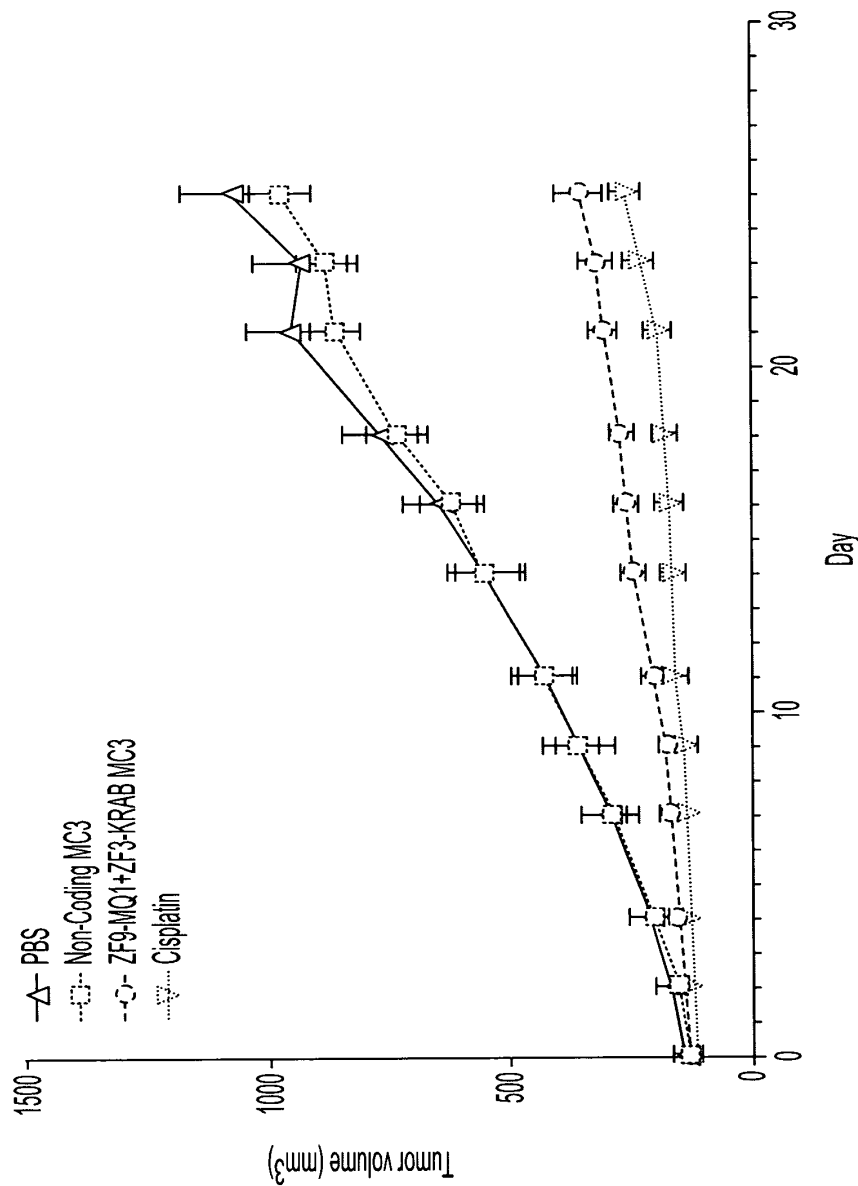


FIG. 31A

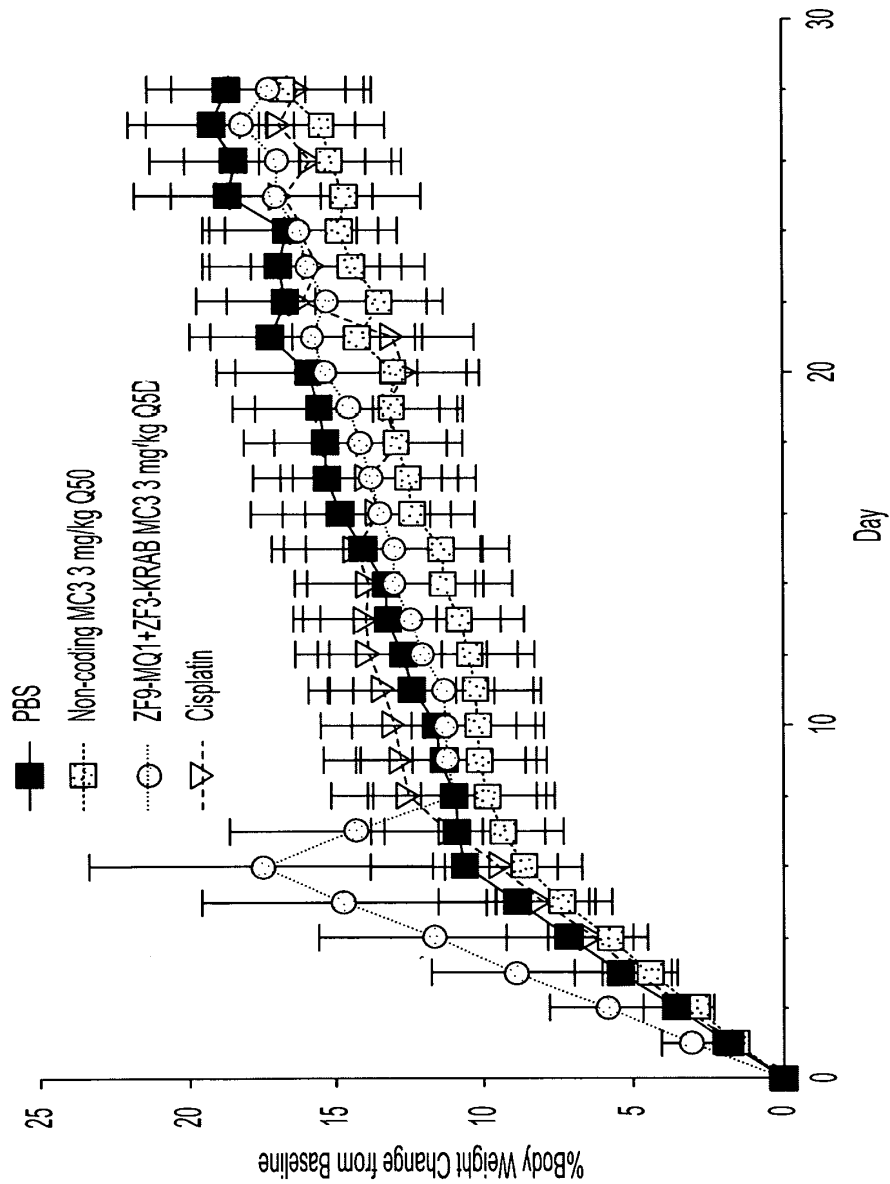


FIG. 31B

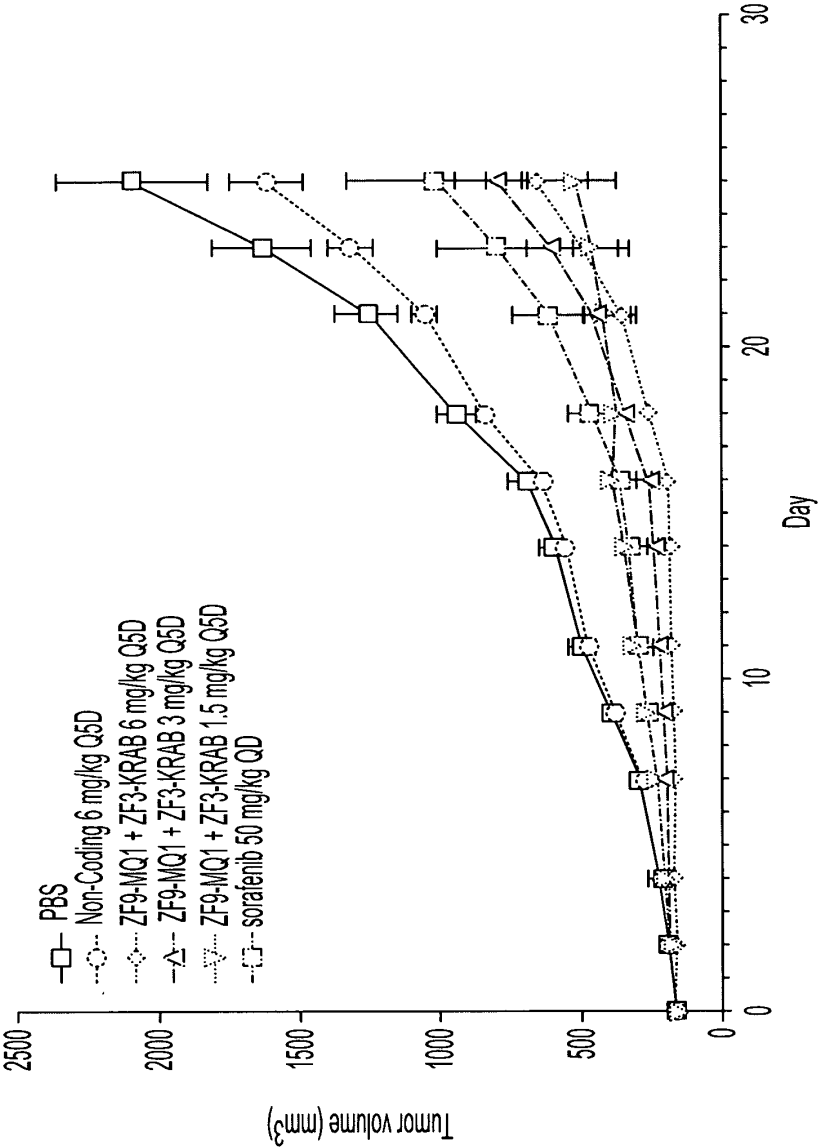


FIG. 32A

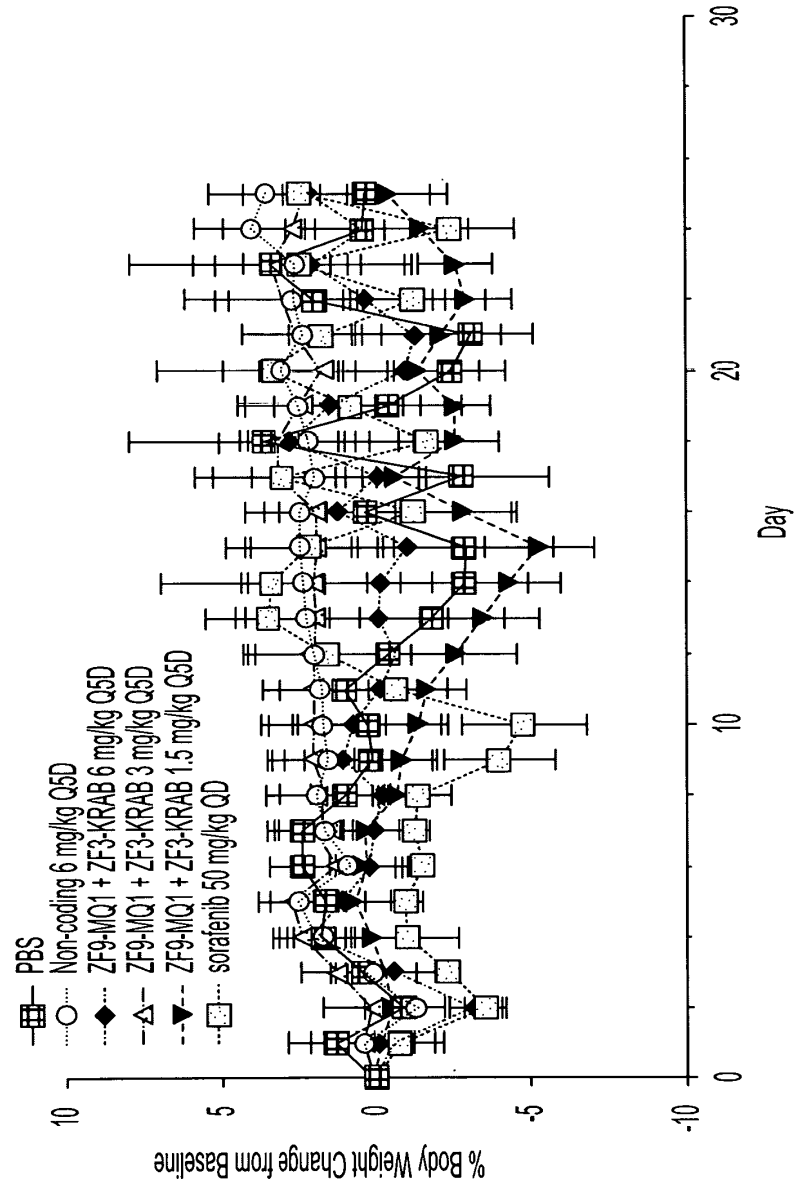


FIG. 32B

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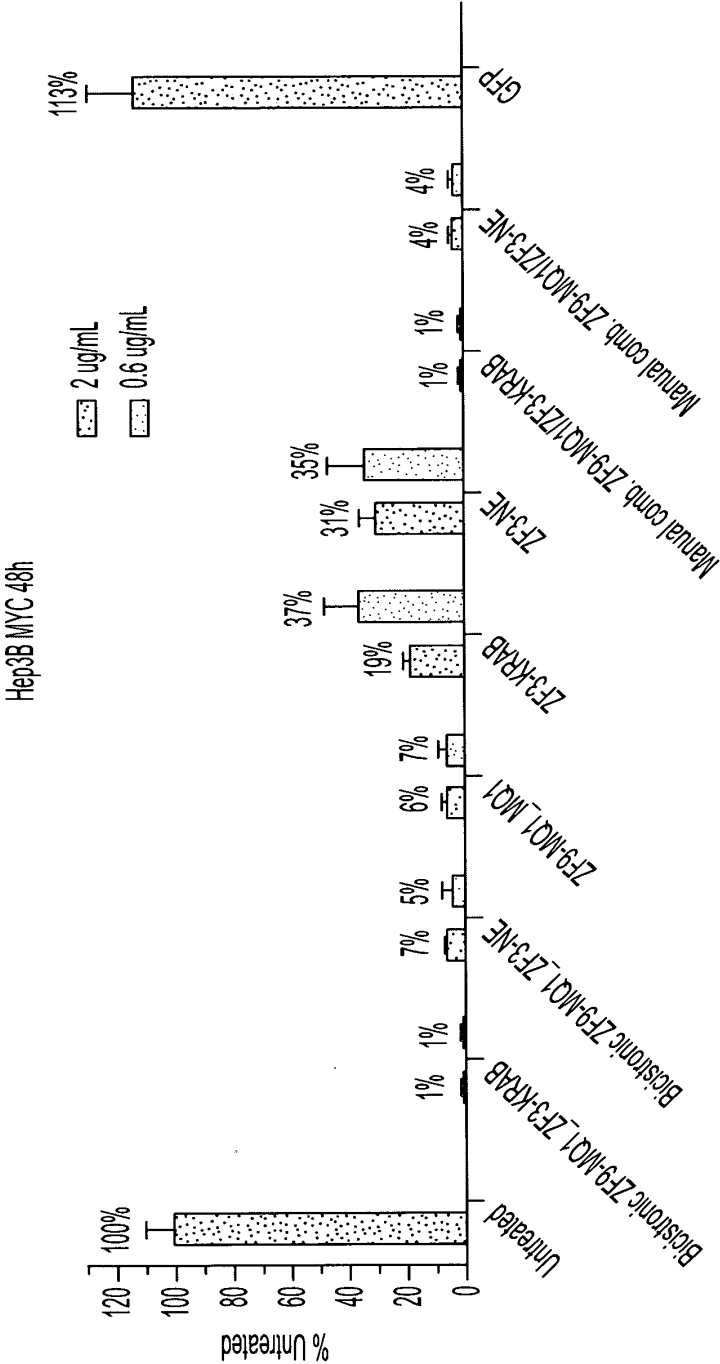


FIG. 33A

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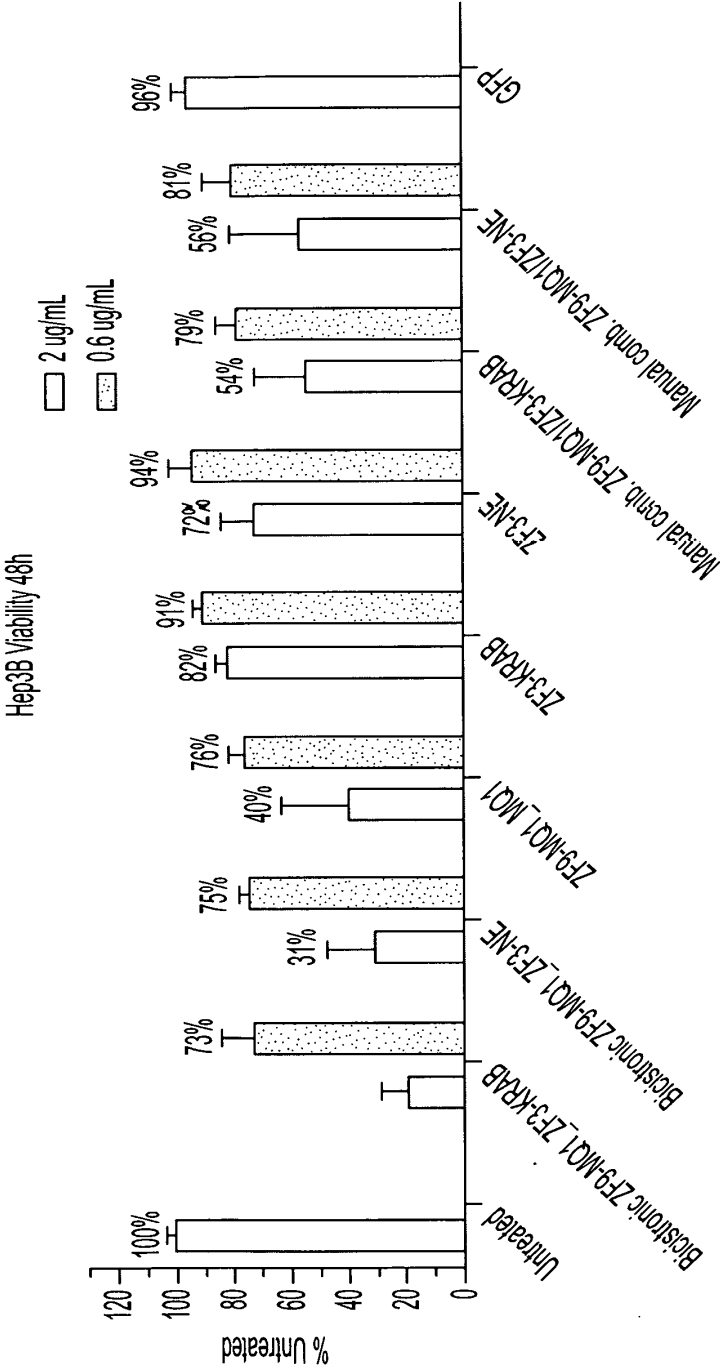


FIG. 33B

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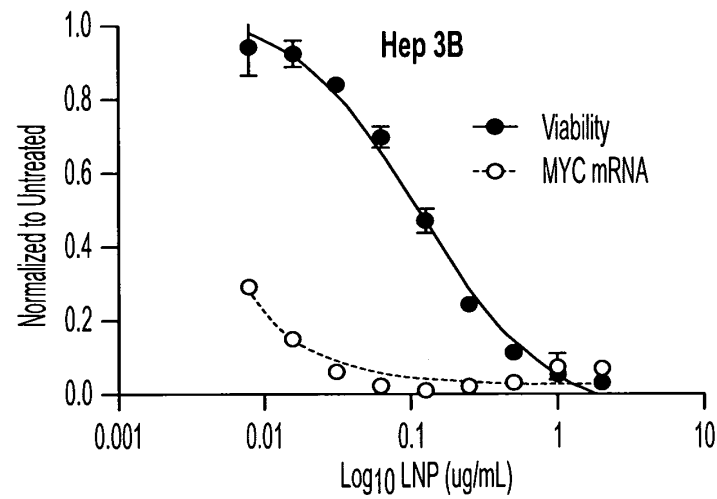


FIG. 34A

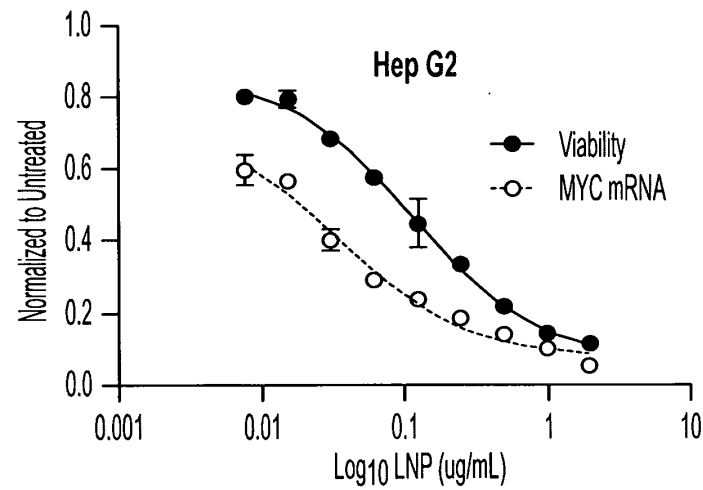


FIG. 34B

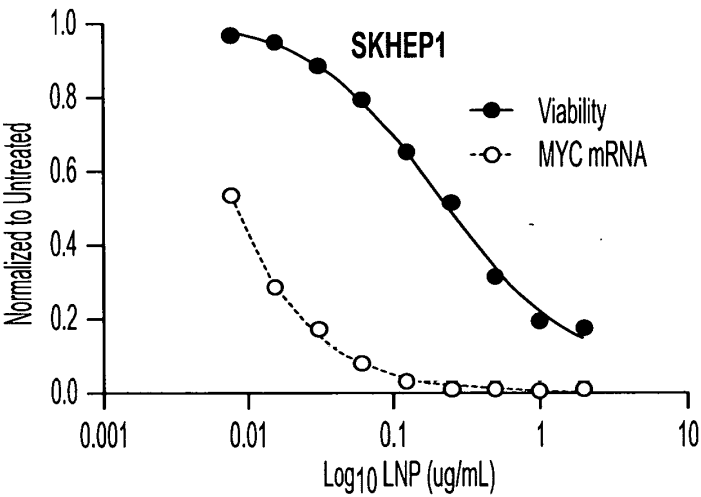


FIG. 34C

Cell Line	Subtype	Viability (EC ₅₀ ; ug/mL)	MYC mRNA (EC ₅₀ ; ug/mL)
SKHEP1	1	0.20	0.002
SNU-182	1	0.02	<0.001
SUN-449	1	NR	<0.001
Hep 3B	2	0.12	<0.001
Hep G2	2	0.12	0.037

FIG. 34D

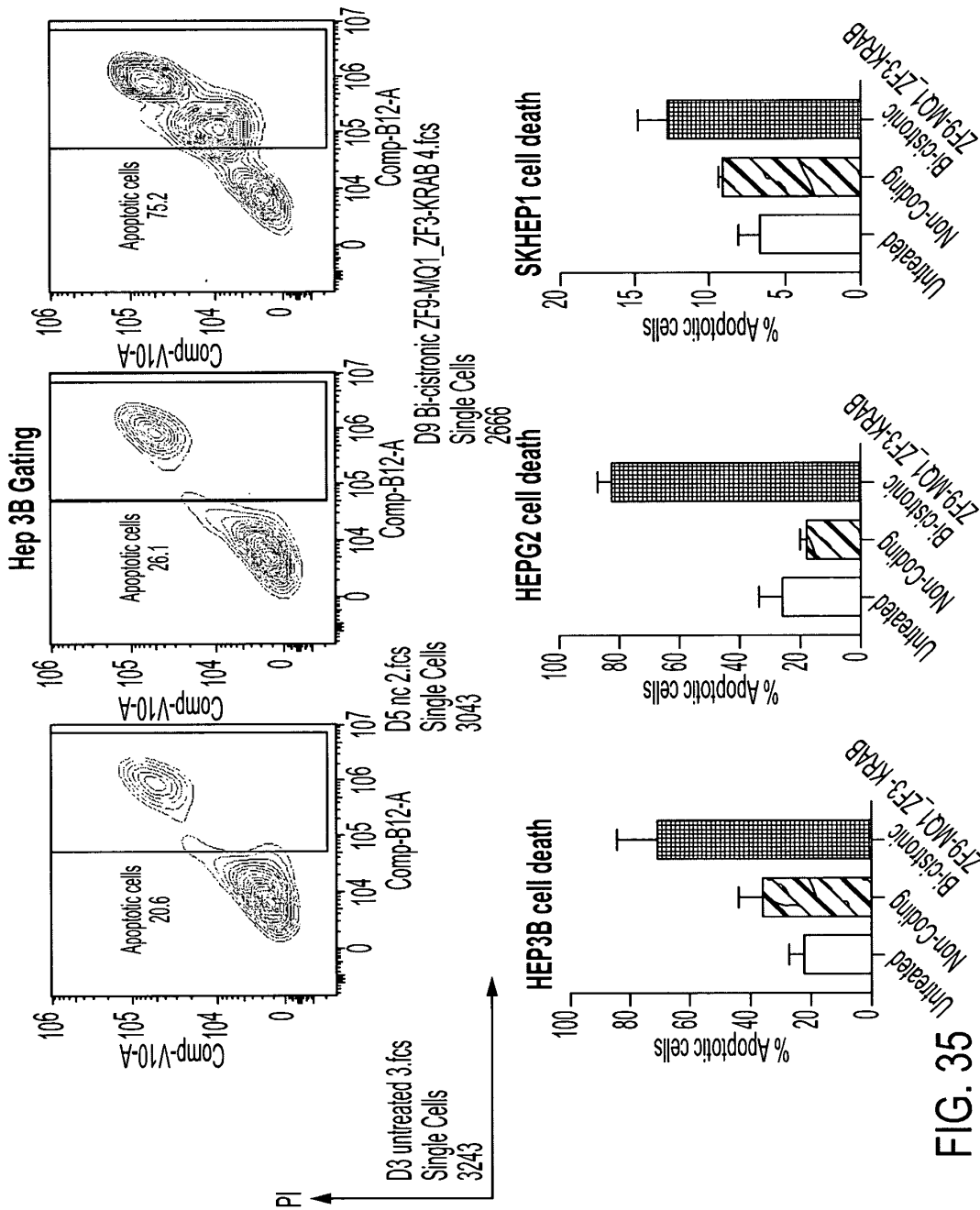


FIG. 35

SKHEP1 MYC mRNA

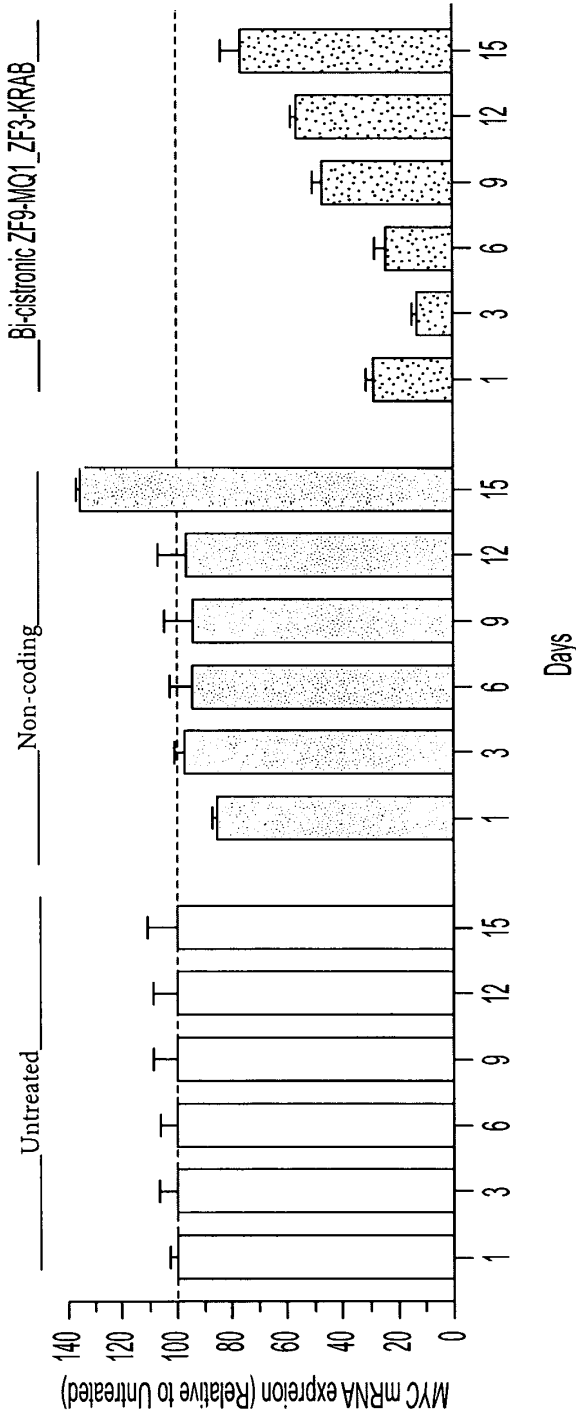


FIG. 36

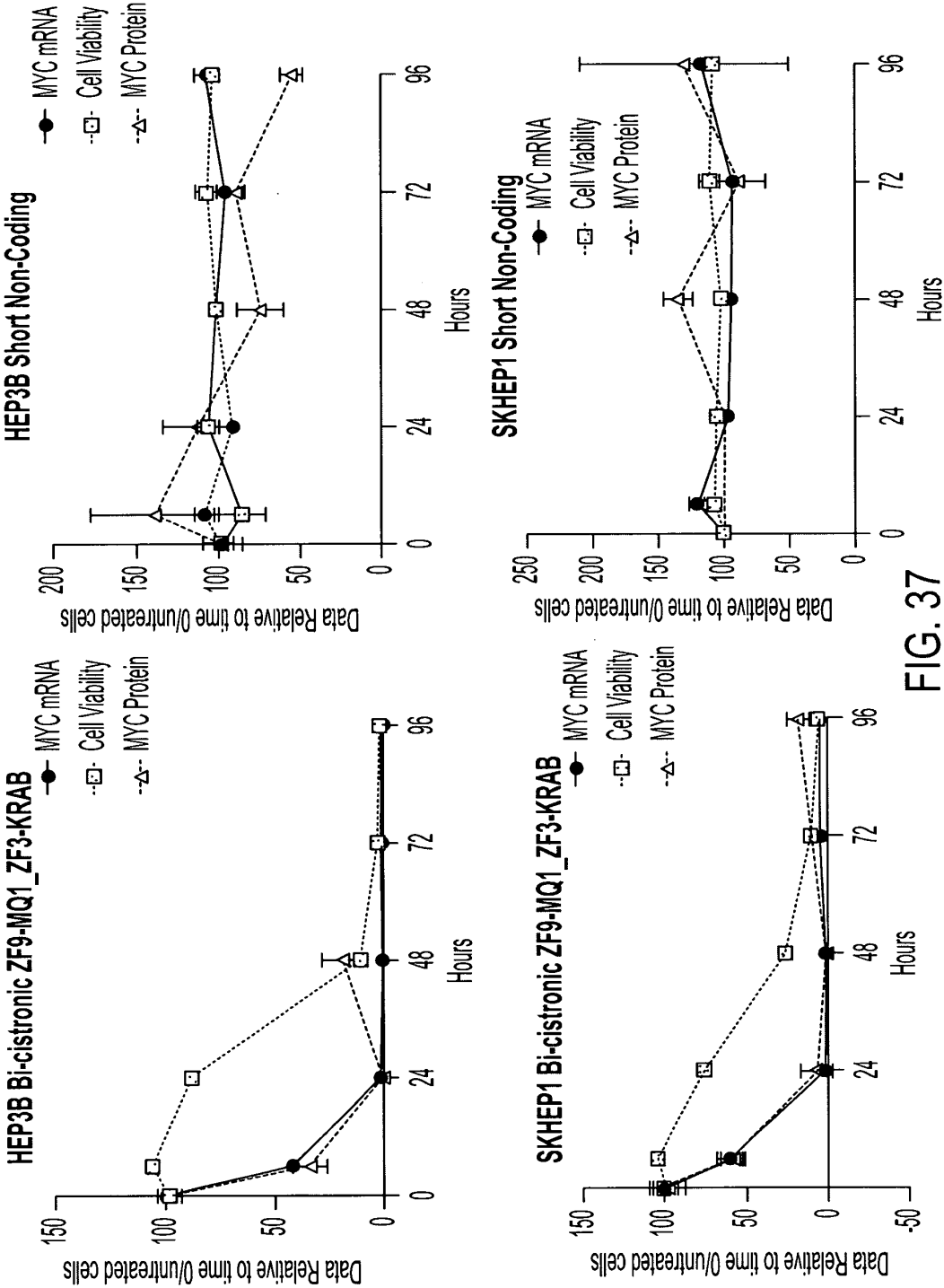


FIG. 37

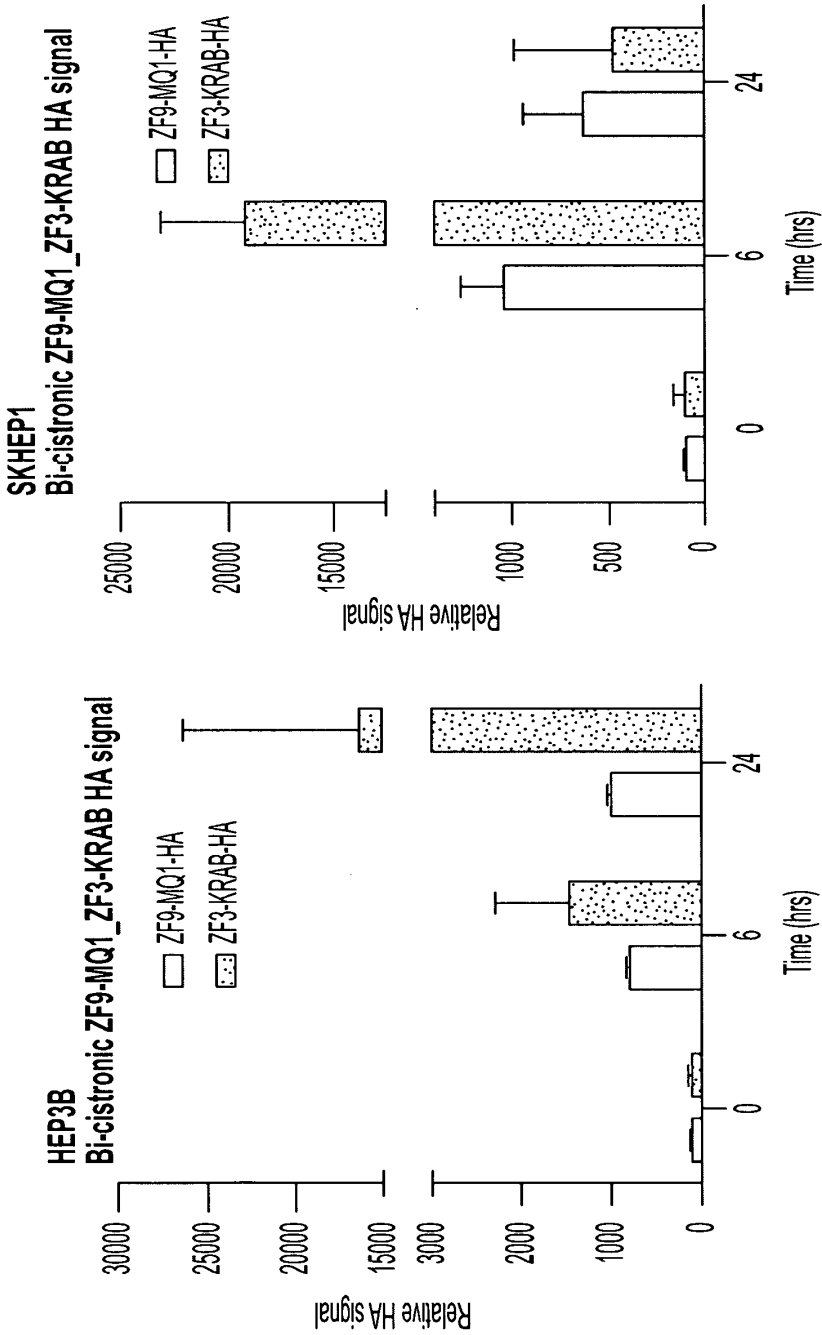


FIG. 38

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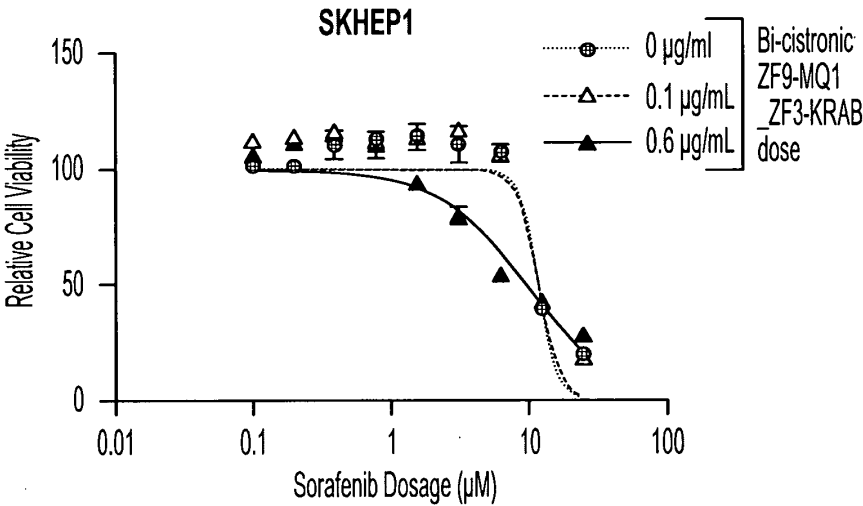


FIG. 39A

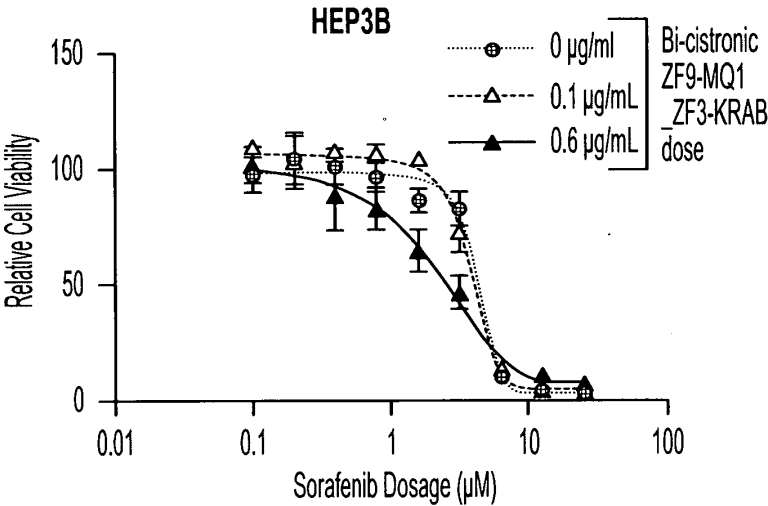


FIG. 39B

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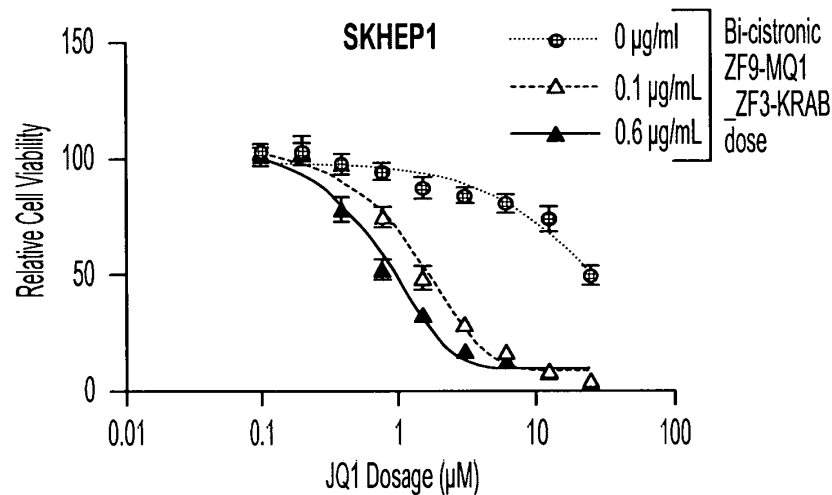


FIG. 40A

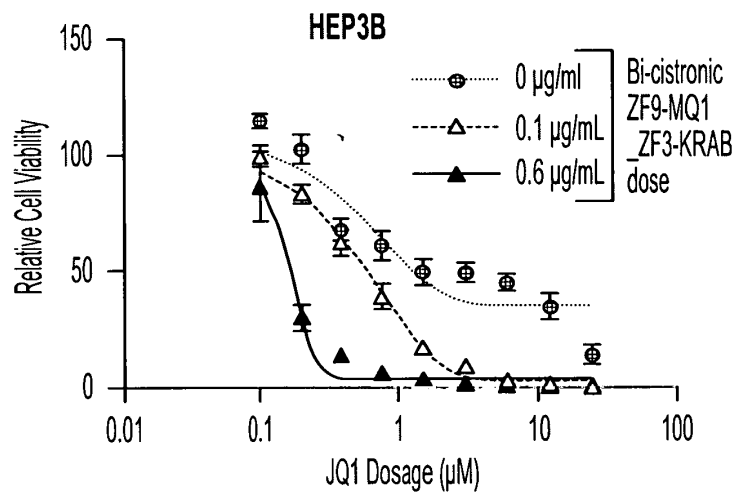


FIG. 40B

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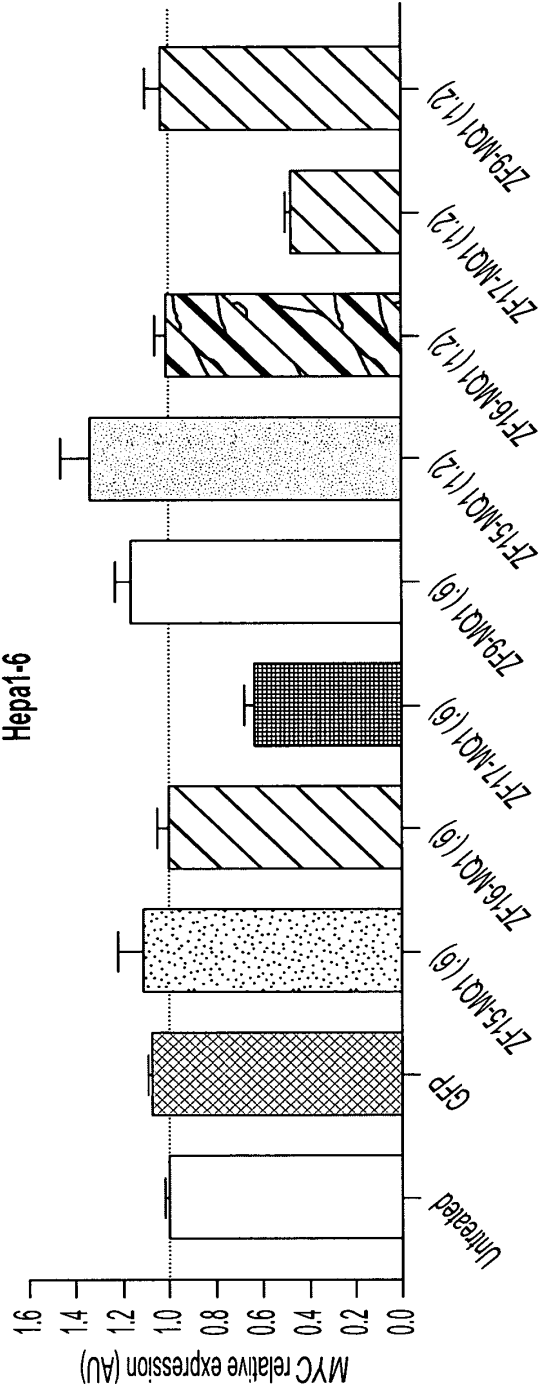


FIG. 41A

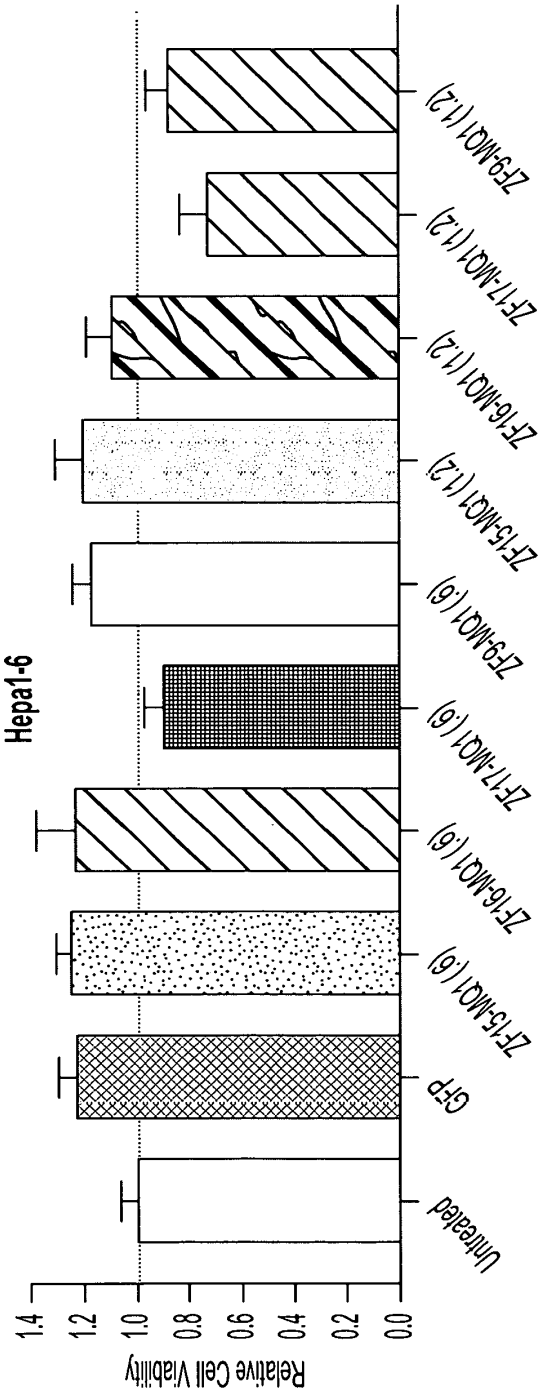


FIG. 41B

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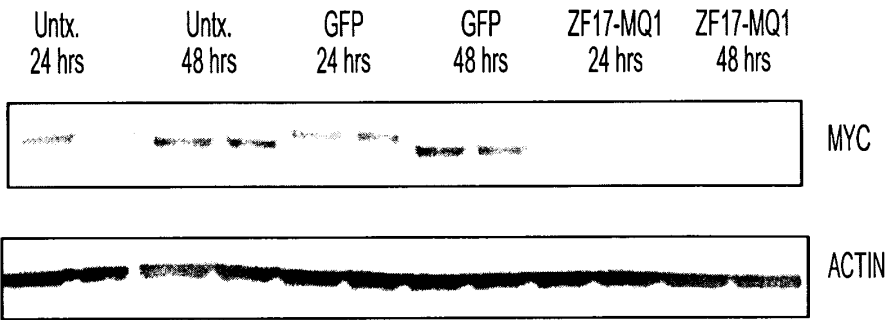


FIG. 42A

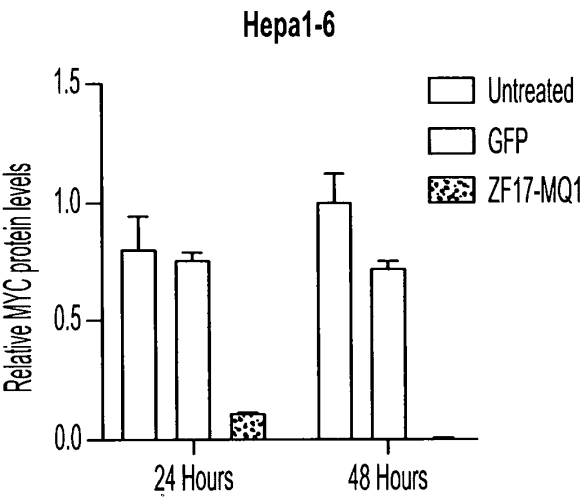


FIG. 42B

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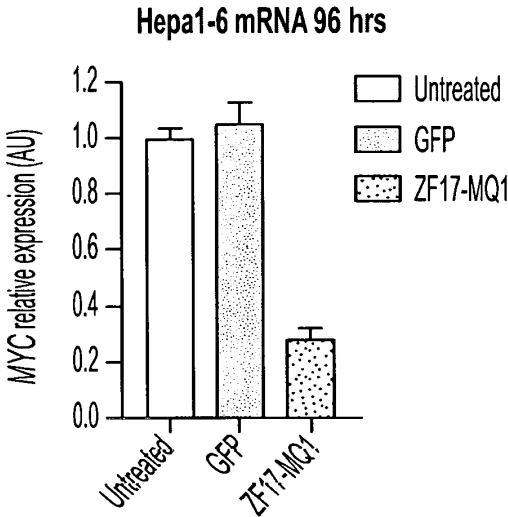


FIG. 42C

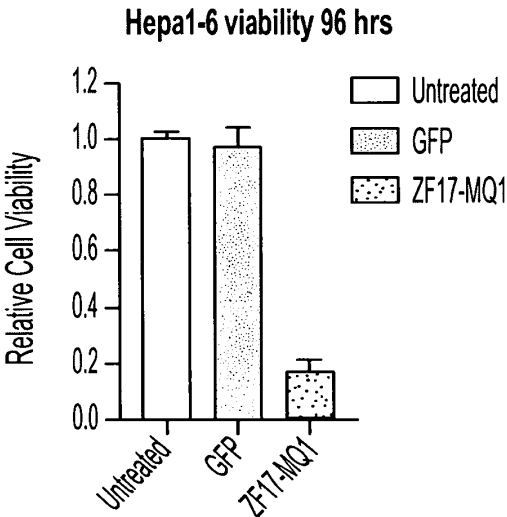


FIG. 42D

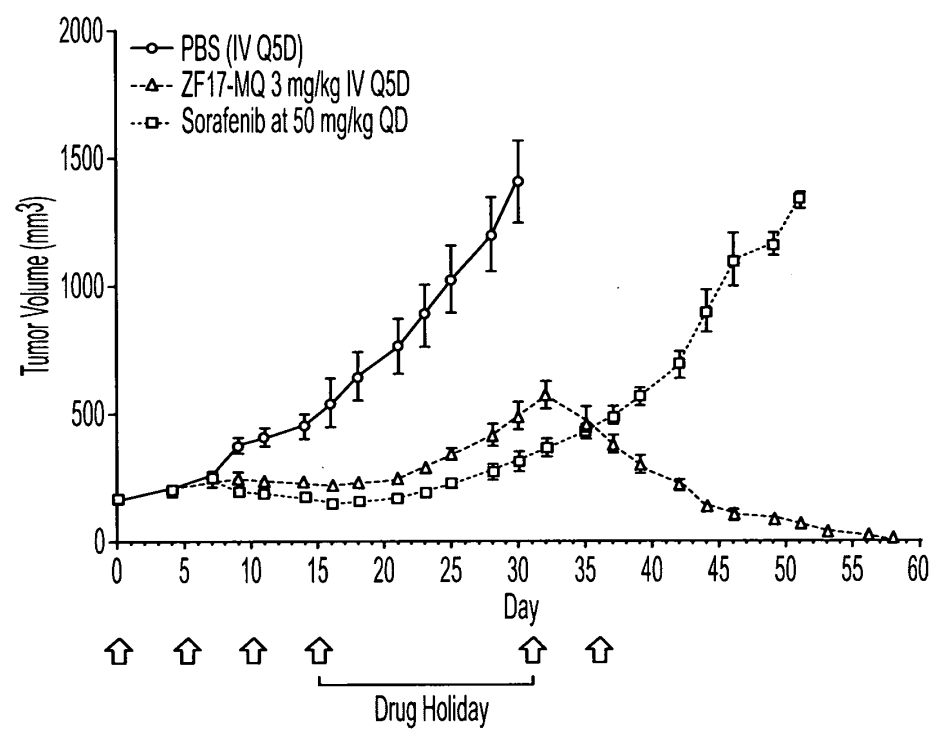


FIG. 43

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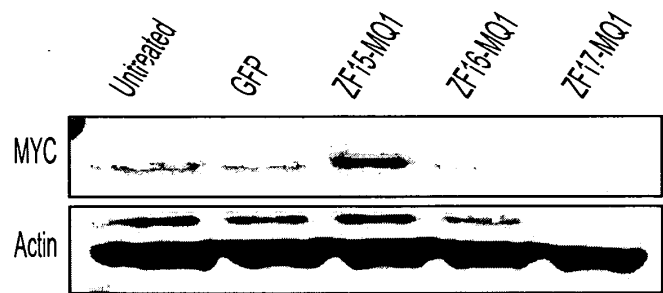


FIG. 44A

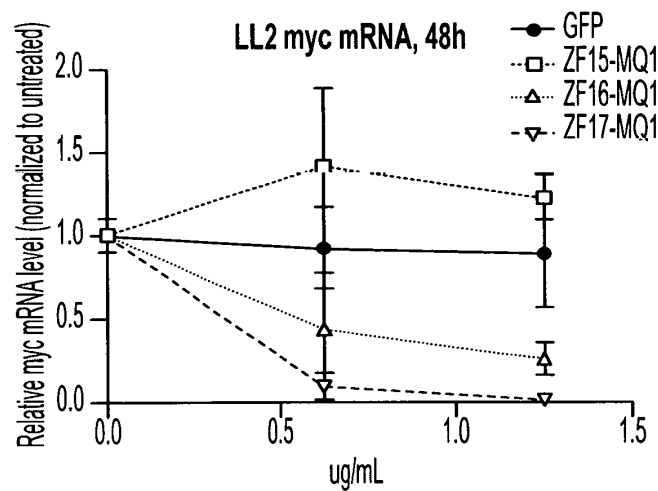


FIG. 44B

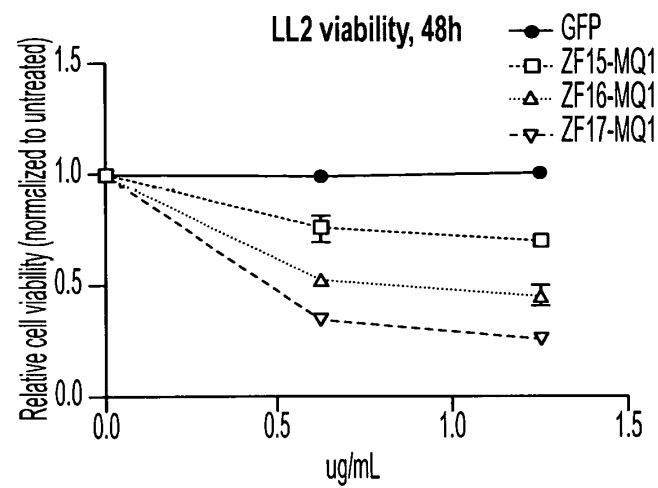


FIG. 44C

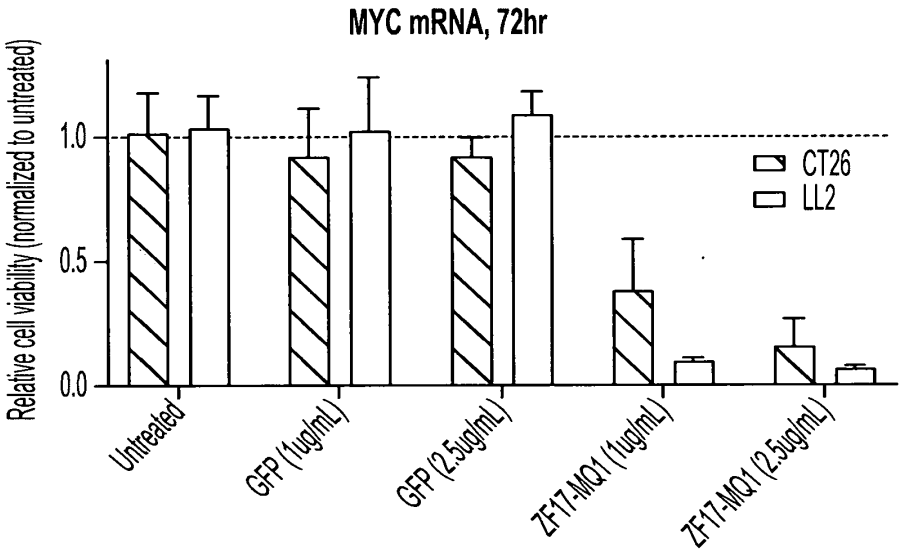


FIG. 45A

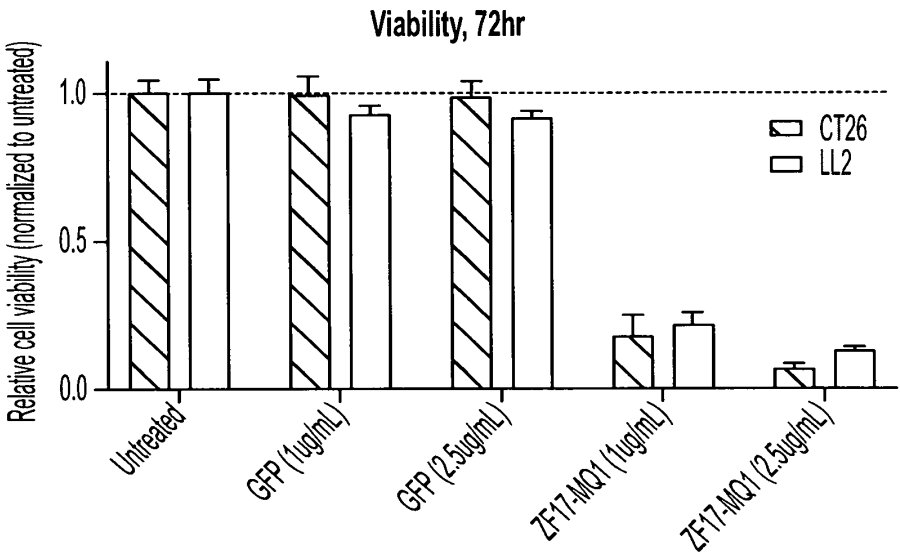


FIG. 45B

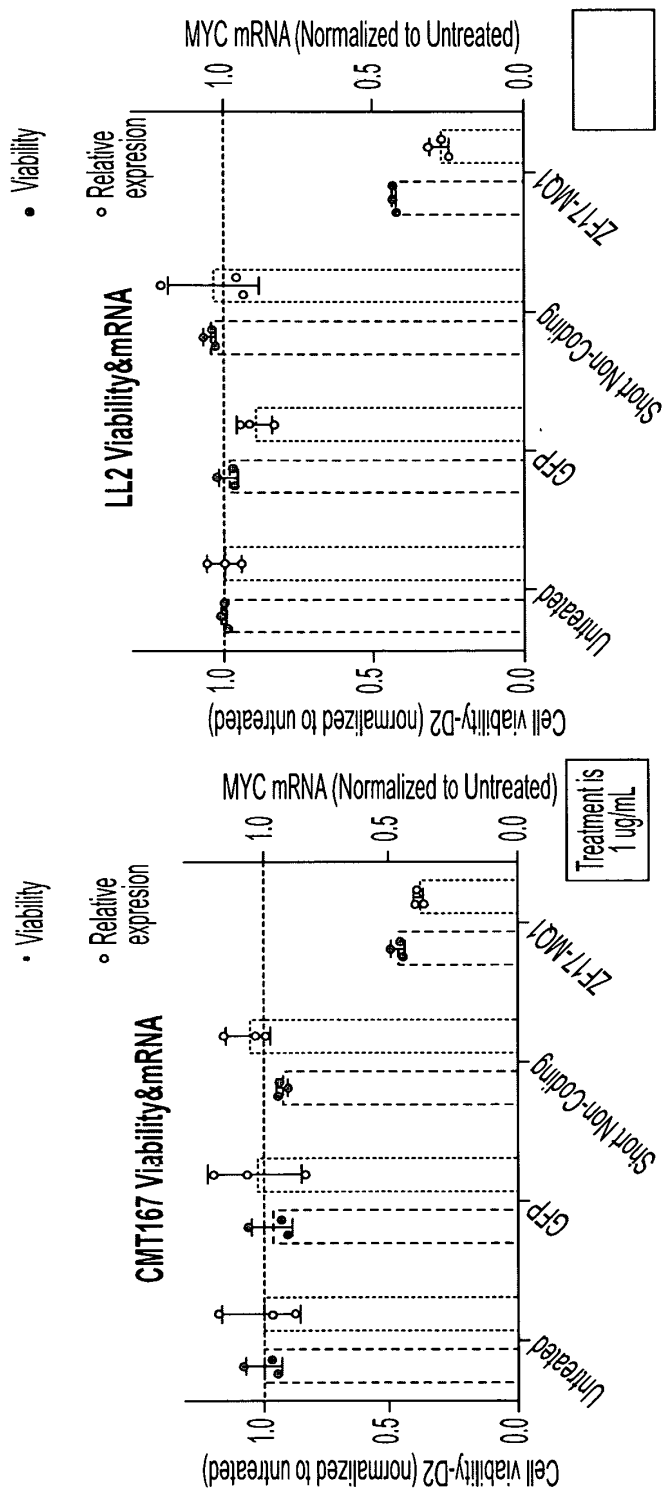
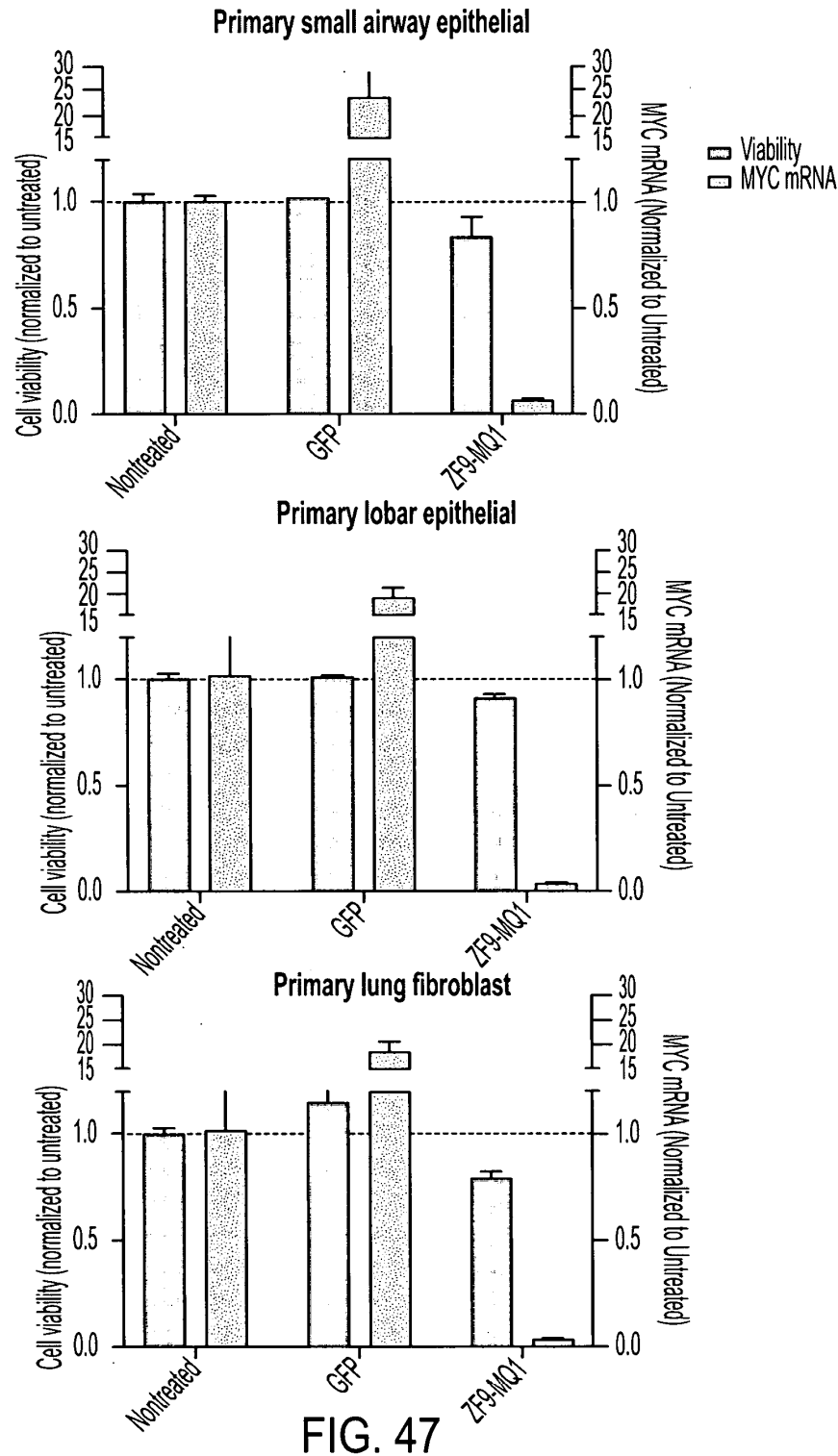


FIG. 46

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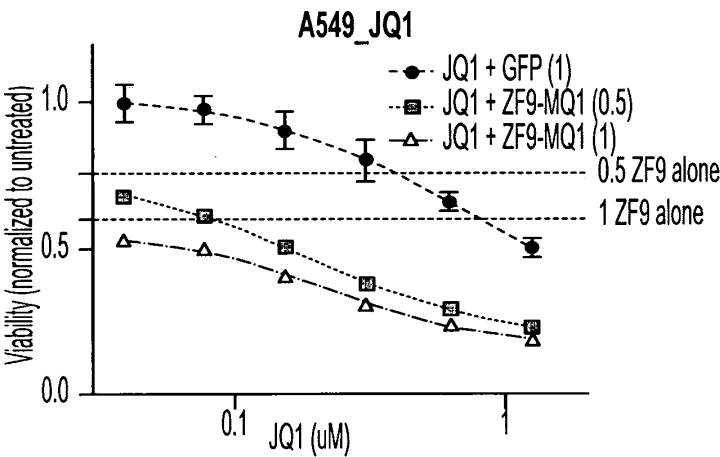


FIG. 48A

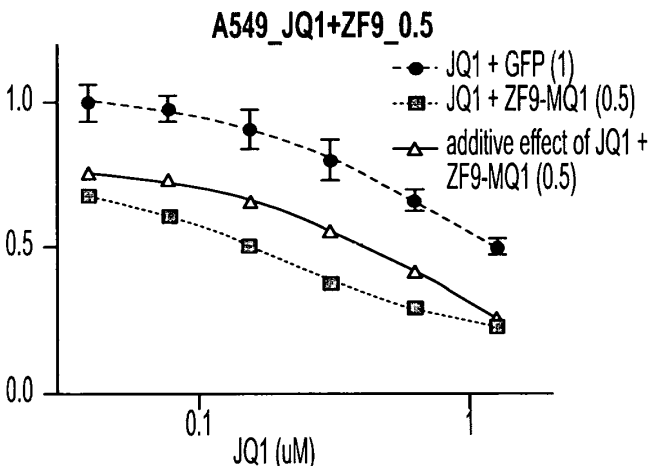


FIG. 48B

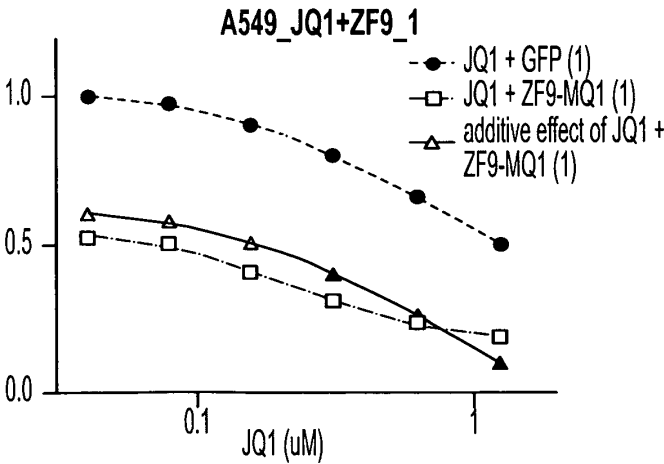


FIG. 48C

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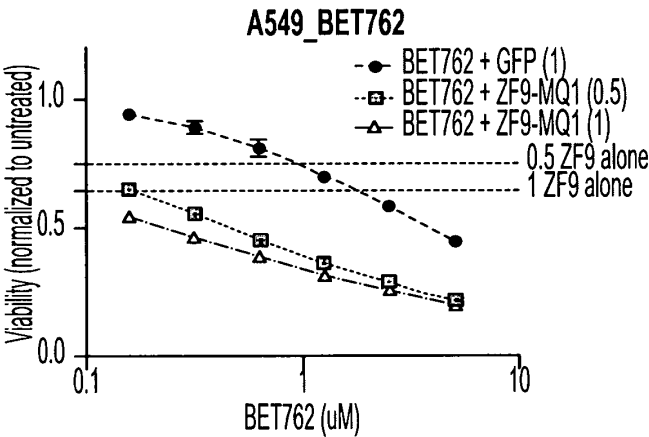


FIG. 49A

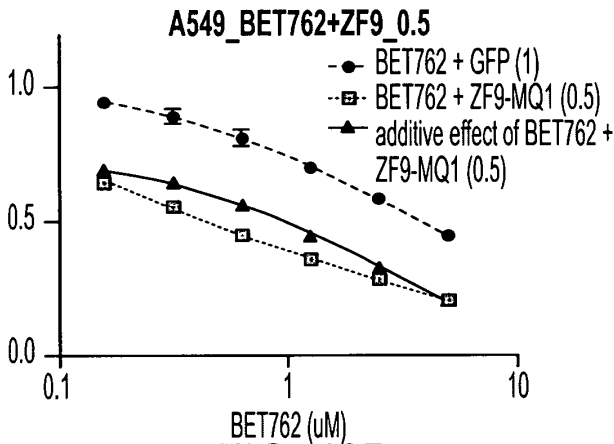


FIG. 49B

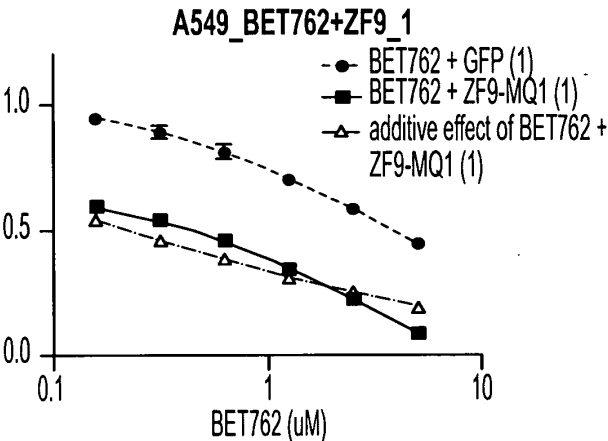


FIG. 49C

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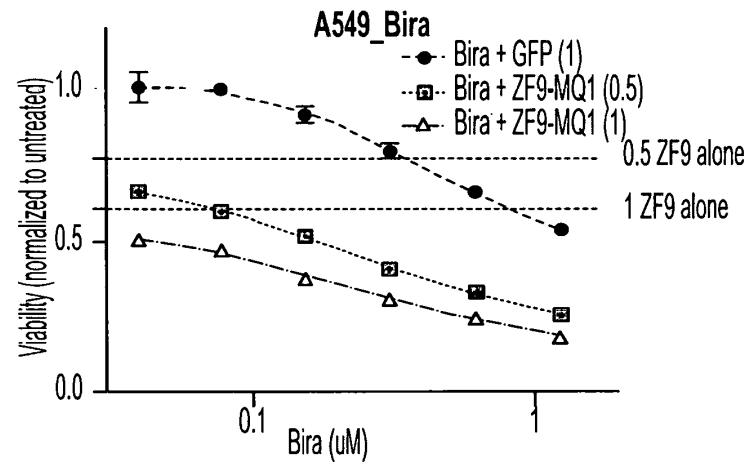


FIG. 50A

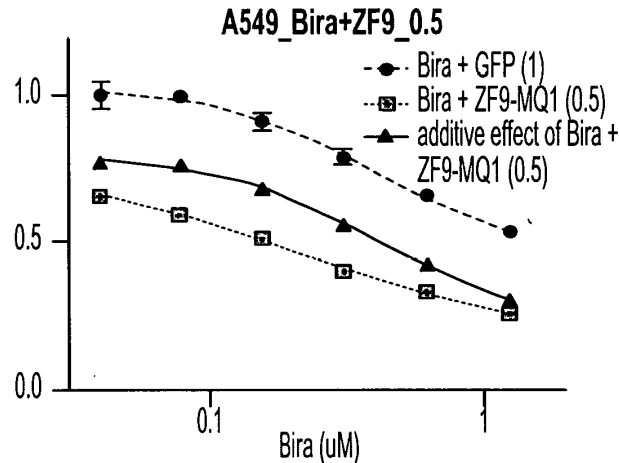


FIG. 50B

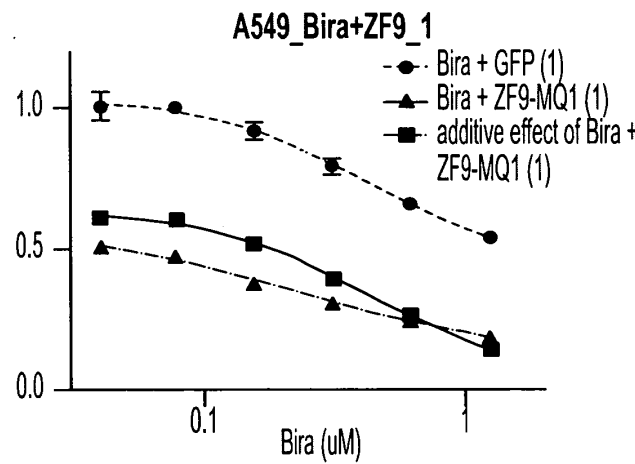


FIG. 50C

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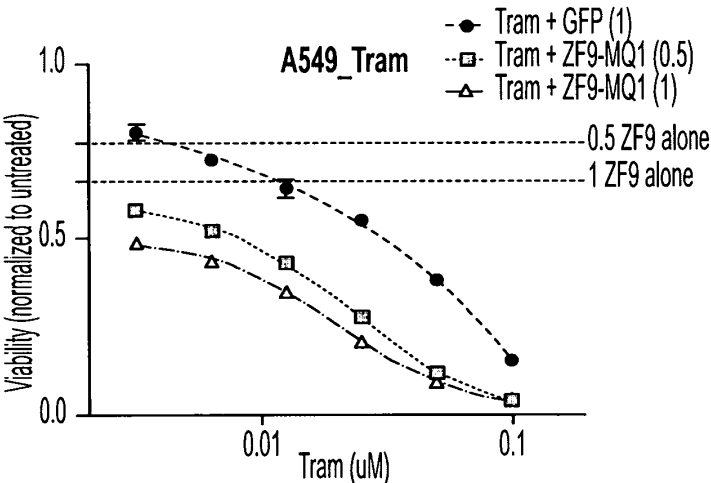


FIG. 51A

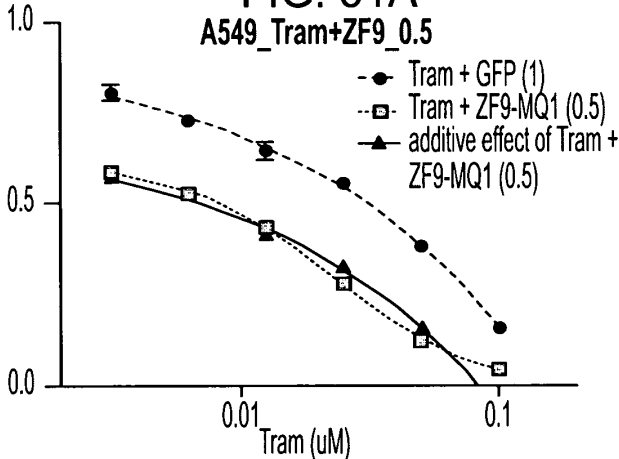


FIG. 51B

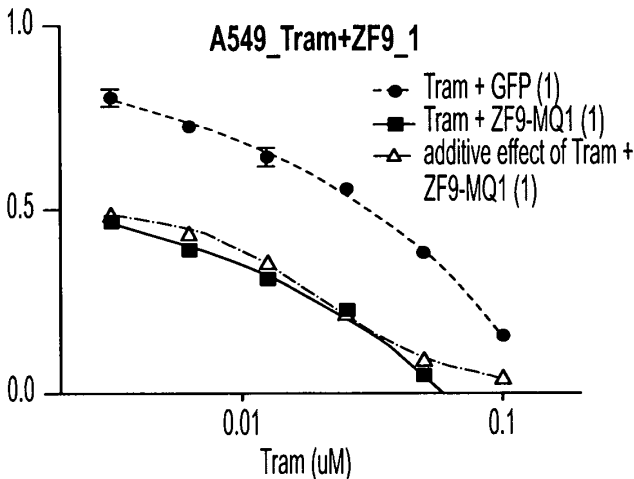


FIG. 51C

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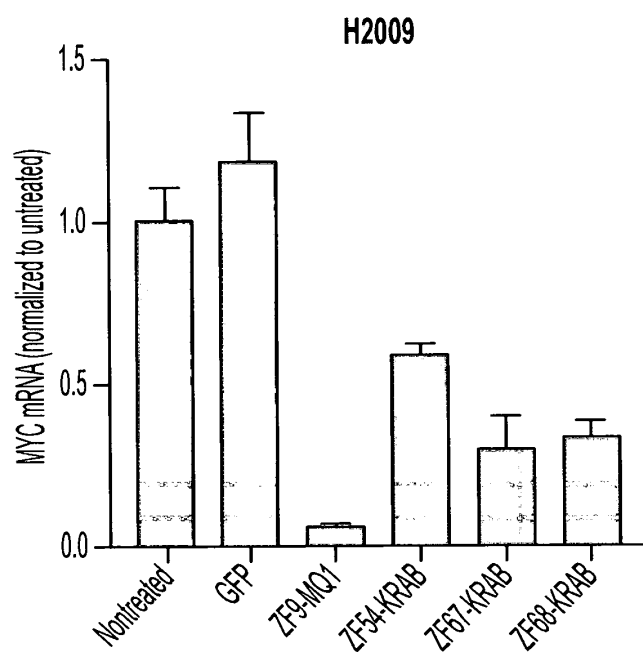


FIG. 52A

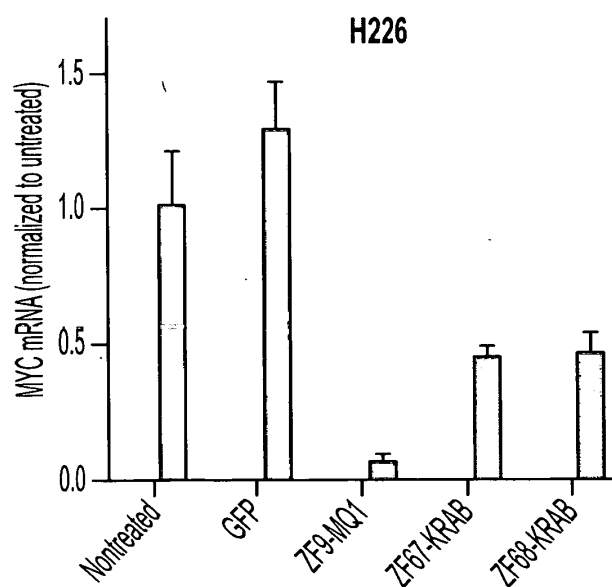


FIG. 52B

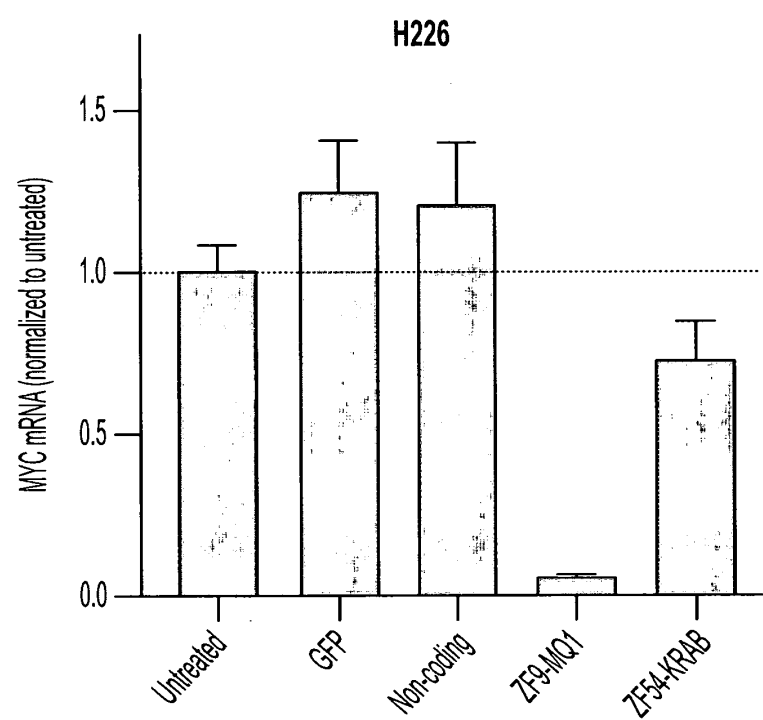


FIG. 52C

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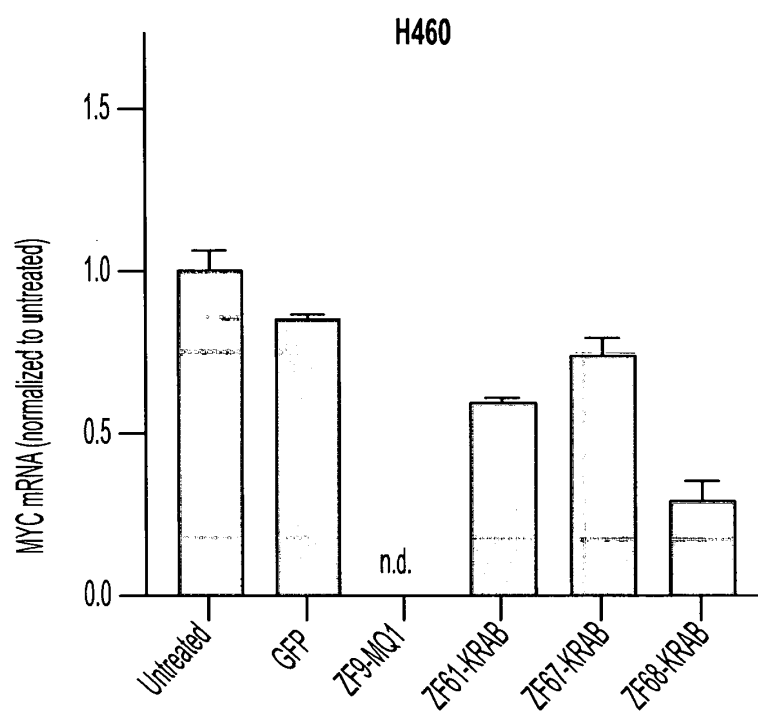


FIG. 52D

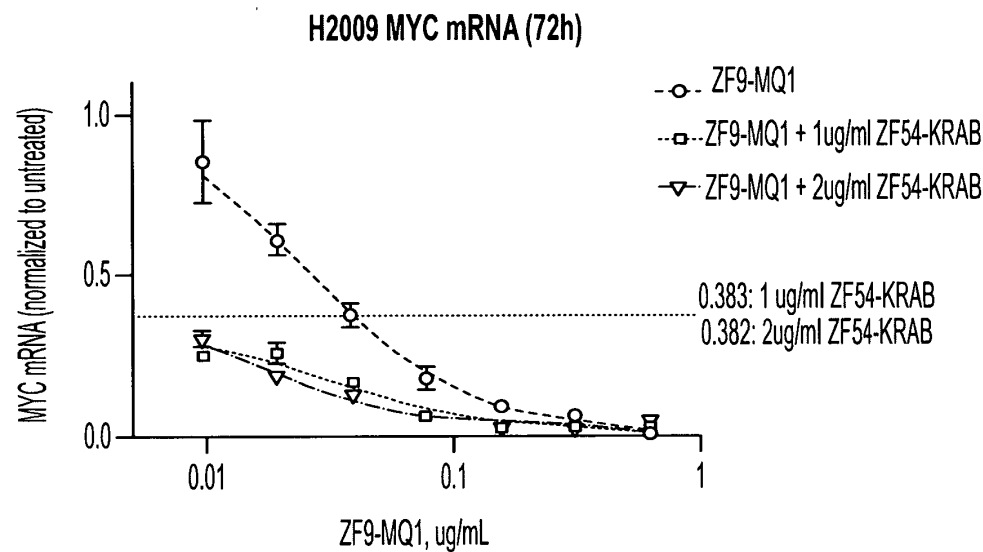
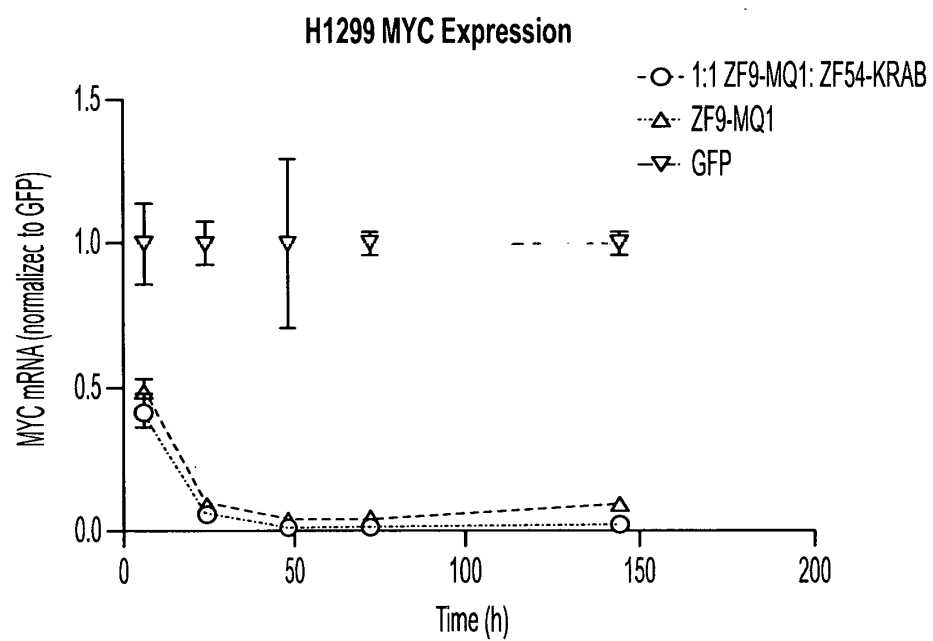


FIG. 53

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**FIG. 54**

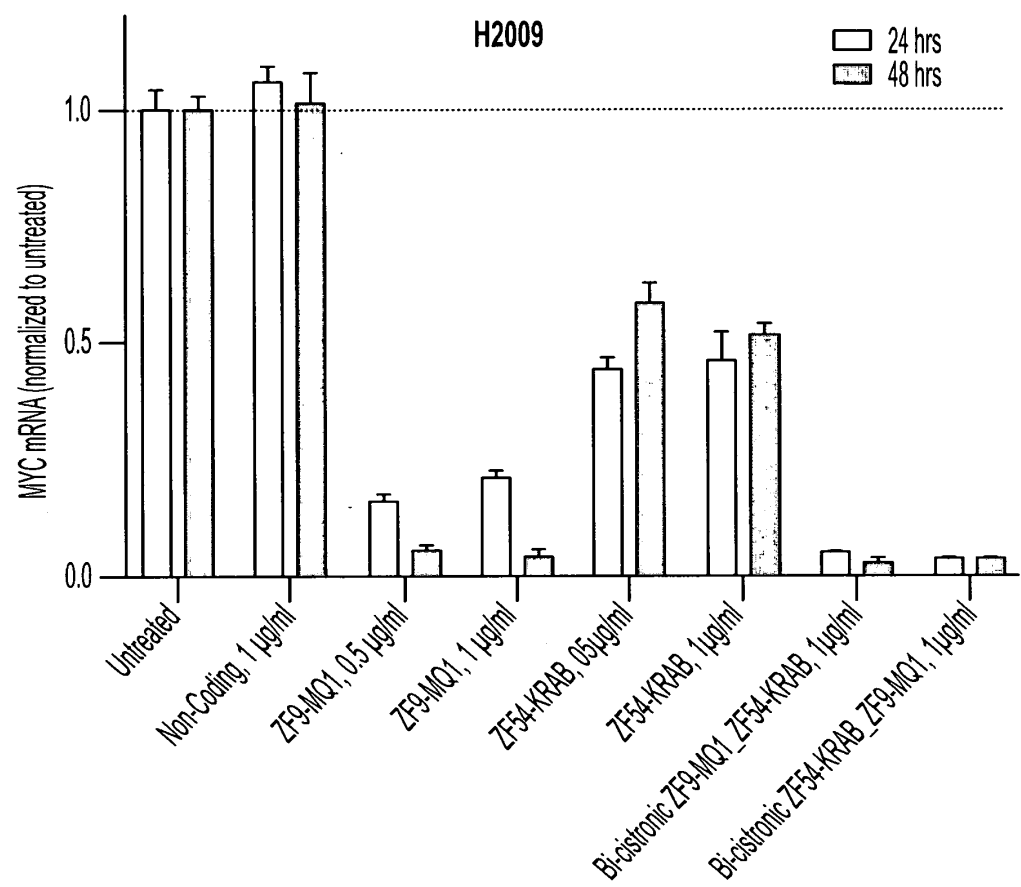


FIG. 55

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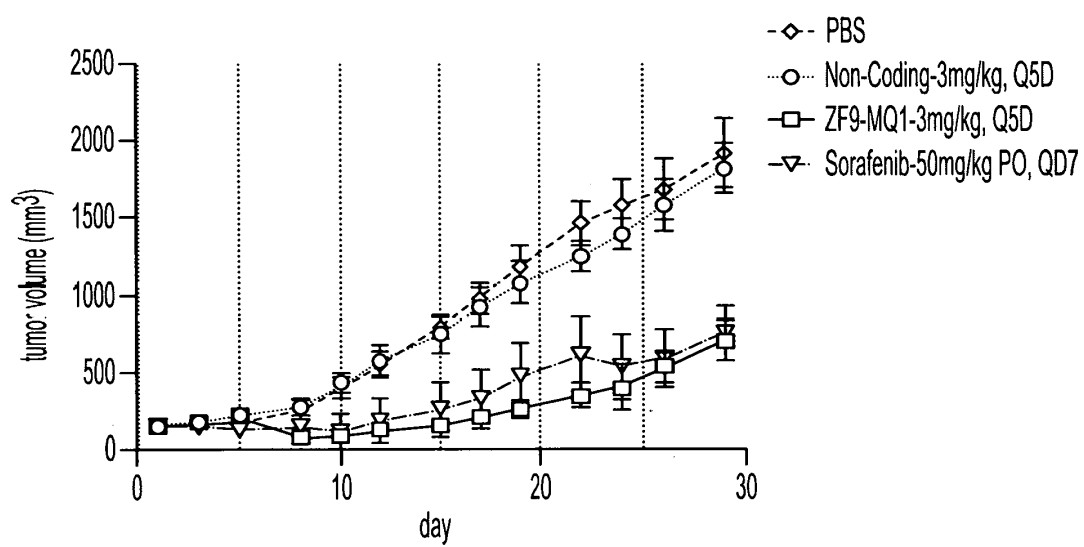


FIG. 56