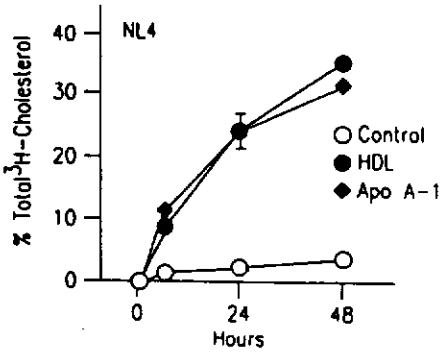


FIG. IA

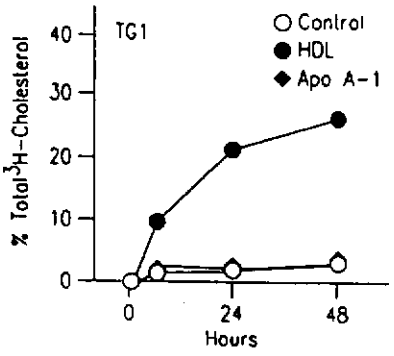


FIG. IB

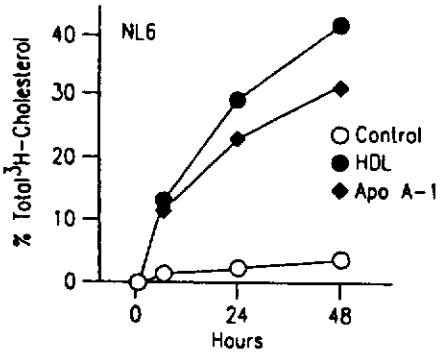


FIG. IC

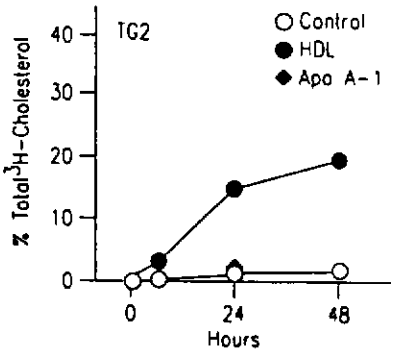


FIG. ID

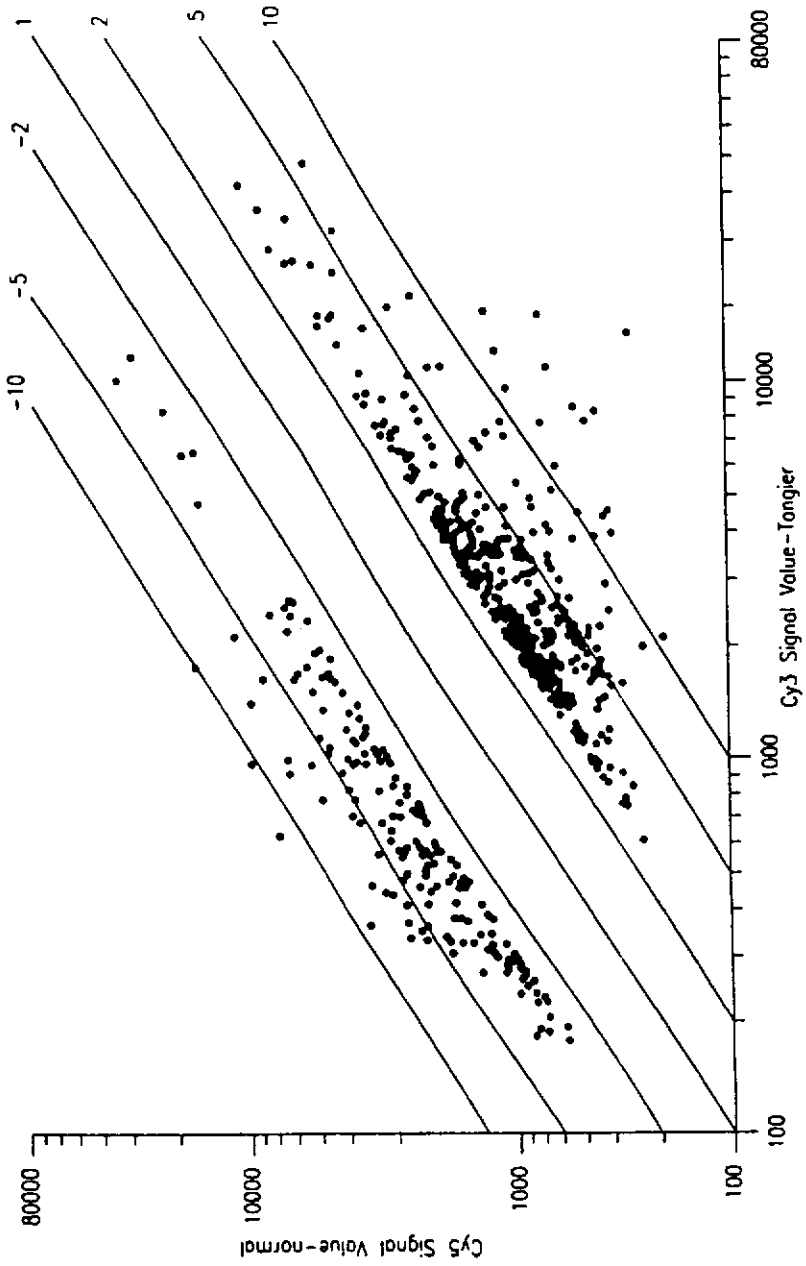

1
2
5
10
-10
-5
-2
80000
10000
1000
100
Cy5 Signal Value-normal
100
1000
10000
80000
Cy3 Signal Value-Tangier

FIG. 2

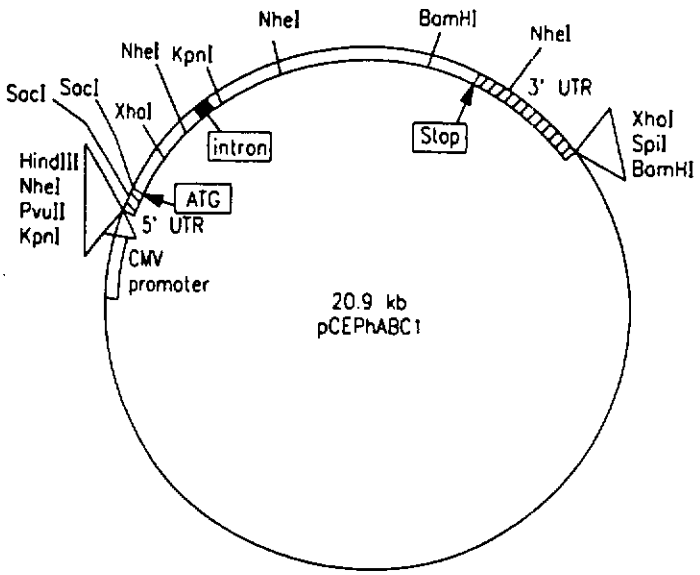

NheI
BamHI
NheI
NheI KpnI
SacI SacI
XhaI
3' UTR
intron
Stop
XhoI
SpiI
BamHI
HindIII
NheI
PvuII
KpnI
ATG
5' UTR
CMV
promoter
20.9 kb
pCEPhABC1

FIG. 3

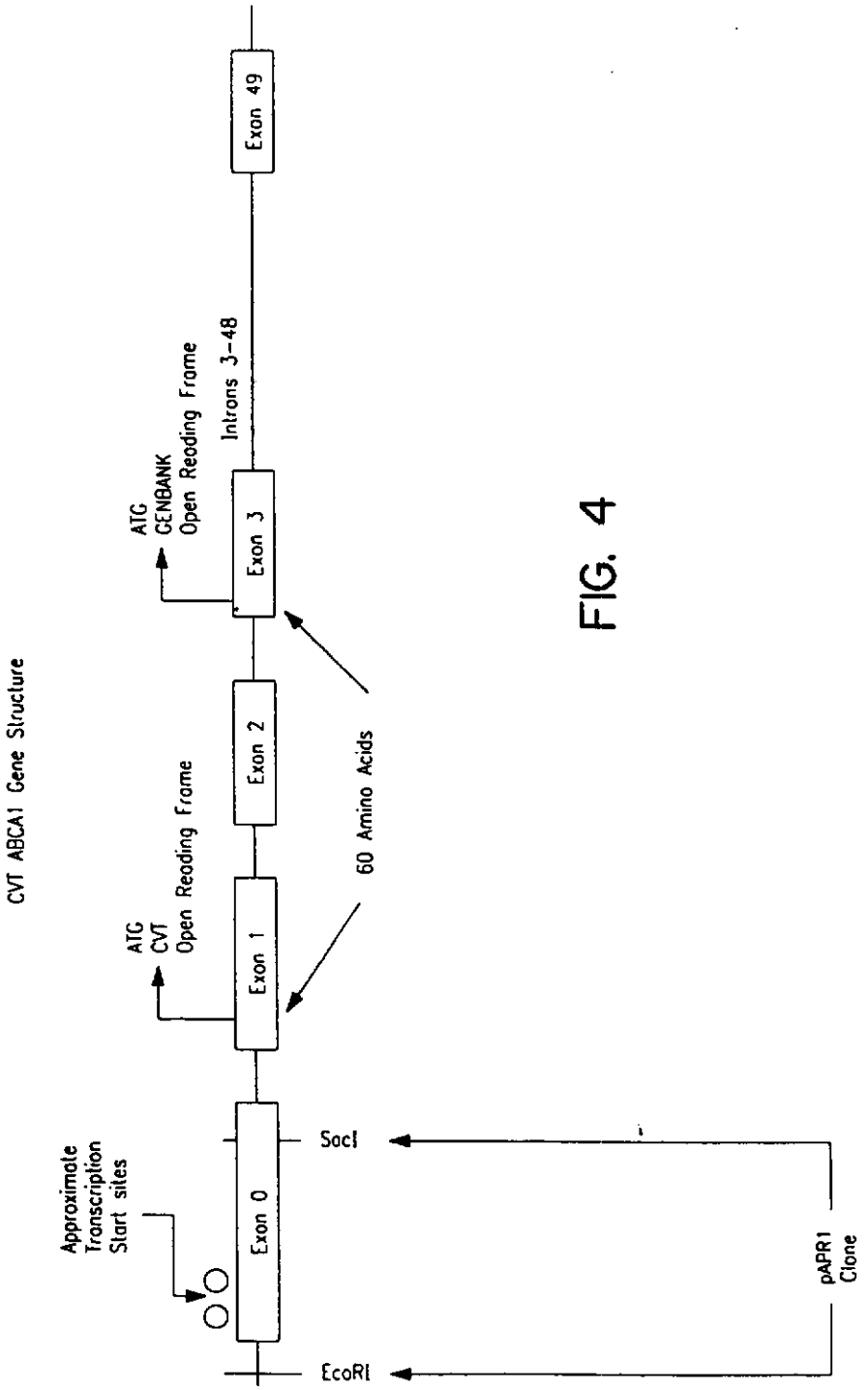

CVT ABCA1 Gene Structure
Approximate Transcription Start sites
Exon 0
Exon 1
Exon 2
Exon 3
Exon 49
Introns 3-48
ATG CVT Open Reading Frame
ATG GENBANK Open Reading Frame
60 Amino Acids
SacI
EcoRI
pAPR1 Clone

FIG. 4

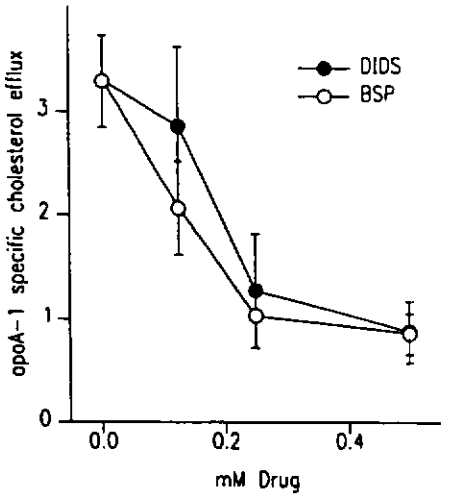

DIDS
BSP
apoA-1 specific cholesterol efflux
0
1
2
3
0.0
0.2
0.4
mM Drug

FIG. 5

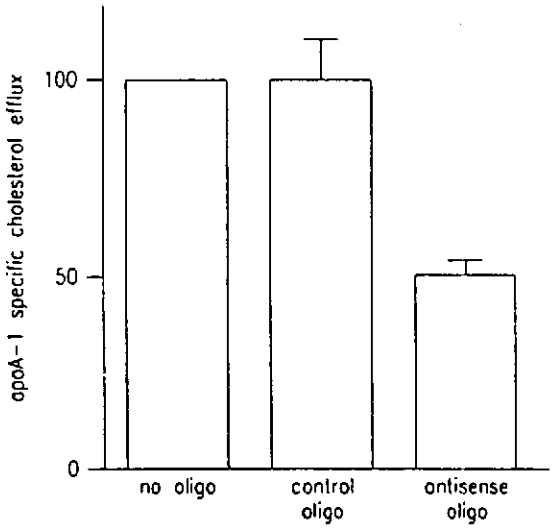

apoA-1 specific cholesterol efflux
100
50
0
no oligo
control oligo
antisense oligo

FIG. 6

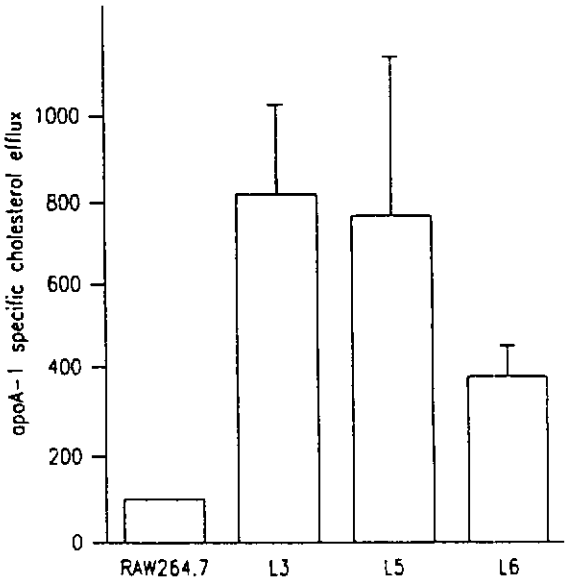

apoA-1 specific cholesterol efflux
1000
800
600
400
200
0
RAW264.7
L3
L5
L6

FIG. 7

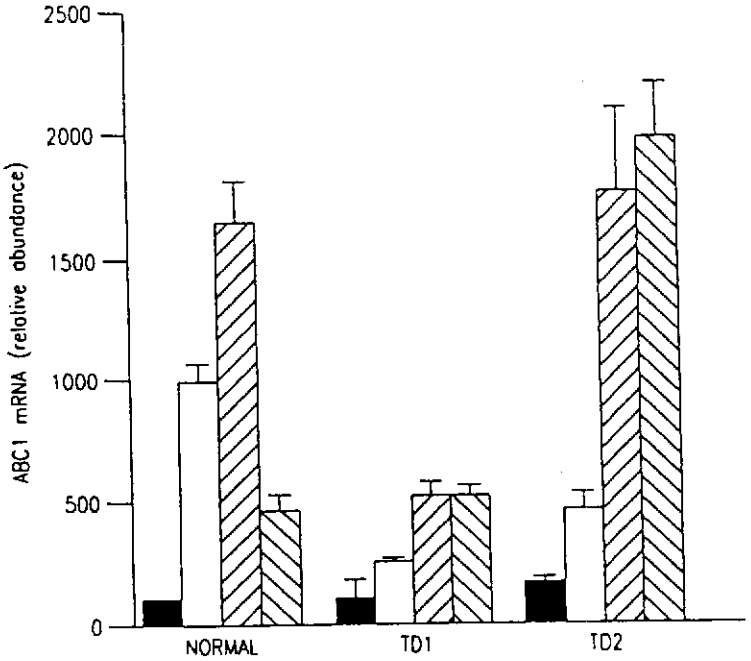

2500
2000
1500
1000
500
0
ABC1 mRNA (relative abundance)
NORMAL
TD1
TD2

FIG. 8

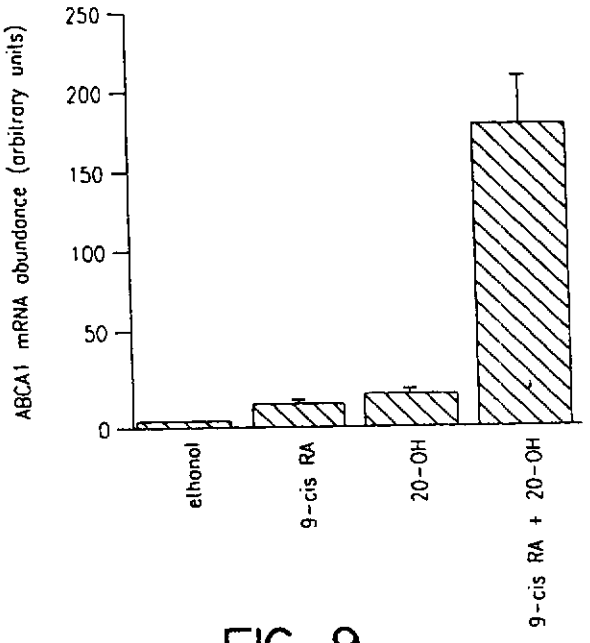

250
200
150
100
50
0
ABCA1 mRNA abundance (arbitrary units)
ethanol
9-cis RA
20-OH
9-cis RA + 20-OH

FIG. 9

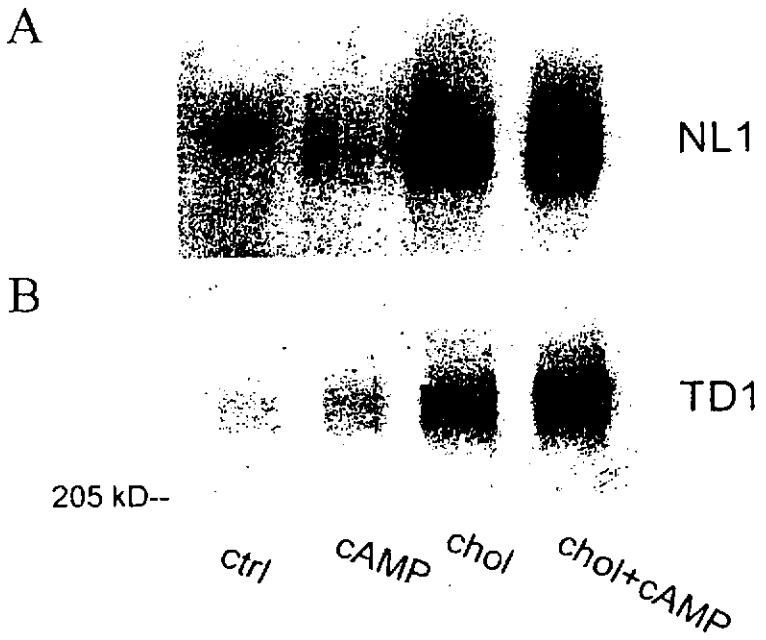


Fig. 10

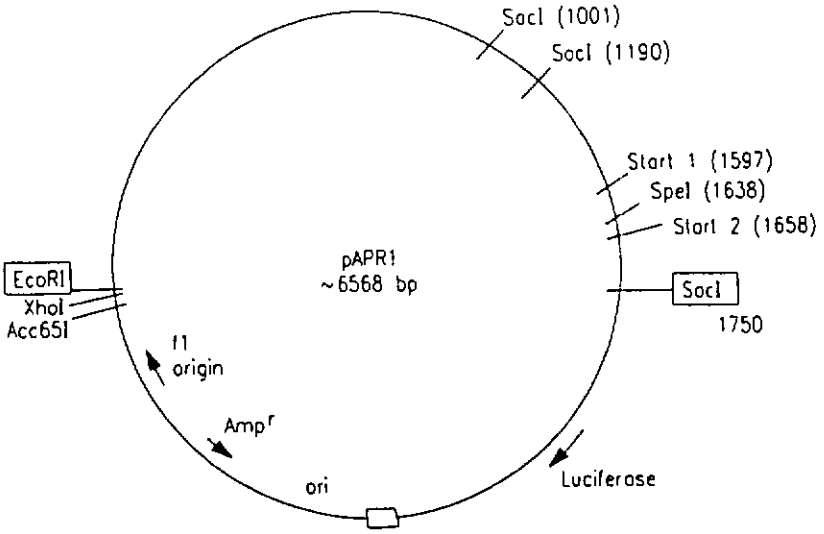

SacI (1001)
SacI (1190)
Start 1 (1597)
SpeI (1638)
Start 2 (1658)
pAPR1
~6568 bp
EcoRI
XhoI
Acc65I
SacI
1750
f1
origin
Amp^r
ori
Luciferase

FIG. 11

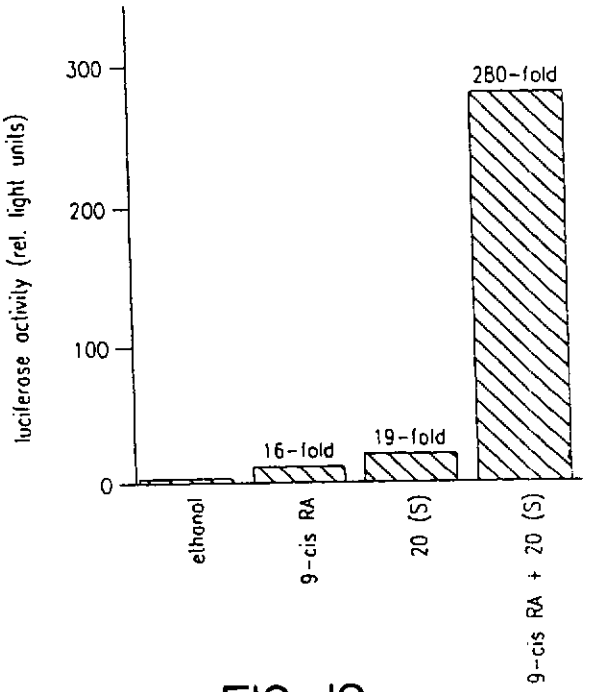

luciferase activity (rel. light units)
300
200
100
0
16-fold
19-fold
280-fold
ethanol
9-cis RA
20 (S)
9-cis RA + 20 (S)

FIG. 12

ABC1 gene 5' flanking region

```
   1 GAATTCCTTGCTGGTGGCTCCACATGCACTTCCAGGGCCTGCTTGGCTCTTCTATGGGTCTGTCCTGAGTGTTGATAGAACCACTGATGTGAGTACCTGG
 101 GCTTGAGCGTGGCCTGGAGATCCTGTTGACTGTAGCATGGAGGGGGCTTGTCAGCTGAATGTCTGTATGCAGGTGGTGGGAGTTCTGGAATATGATGGAG
 201 CTGGAGGTGGGAAGAGAAGTAGGCTTGGGGCAGCTCTCTCATGCCACCTCATTCTGGCCAAAACTCAGGTCAAACTGTGAAGAGTCTAAATGTGAATCTG
 301 CCCTTCAAGGTGGCTACAAAGGTATCTTTGTCAAGGTAGGAGACCTTGTGGCCTCCACGTGCACTTCCAGGGCCTGCTTGGCCTCTTCTACGGGTCTGTC
 401 CTGAGTCTTCTATGAATCTCCCTTCAGGGCAGATTCATATTTAGACTCTTCACAGTTTGACCTGAGTTTTGGCCAGAATAAGGTGACATTTAGTTTGTTG
 501 GCTTGATGAATGACTTAAATATTTAGACATATGGTGTGTAGGCCTGCATTCCTACTCTTGCCTTTTTTTTTGCCCCTCCAGTGTTTTGGGTAGTTTTGCT
 601 CCCCCTACAGCCAAAGGCAAACAGATAAGTTGGAGGTCTGGAGTGGCTACATAATTTTACACGACTGCAATTCTCTGGCTGCACTTCACAAATGTATACA
 701 AACTAAATACAAGTCCTGTGTTTTTATCACAGGGAGGCTGATCAATATAATGAAATTAAAAGGGGGCTGGTCCCATATTGTTCTGTGTTTTTGTTTGTTT
 801 GTTTCTTTTTTTGTTTTTGTGGCCTCCTTCCTCTCAATTTATGAAGAGAAGCAGTAAGATGTTCCTCTCGGGTCCTCTGAGGGACCTGGGGAGCTCAGGC
 901 TGGGAATCTCCAAGGCAGTAGGTCGCCTATCAAAAATCAAAGTCCAGGTTTGTGGGGGGAAAACAAAAGCAGCCCATTACCCAGAGGACTGTCCGCCTTC
1001 CCCTCACCCCAGCCTAGGCCTTTGAAAGGAAACAAAAGACAAGACAAAATGATTGGCGTCCTGAGGGAGATTCAGCCTAGAGCTCTCTCTCCCCCAATCC
1101 CTCCCTCCGGCTGAGGAAACTAACAAAGGAAAAAAAAAATTGCGGAAAGCAGGATTTAGAGGAAGCAAATTCCACTGGTGCCCTTGGCTGCCGGGAACGTG
1201 GACTAGAGAGTCTGCGGCGCAGCCCCGAGCCCAGCGCTTCCCGCGCGTCTTAGGCCGGCGGGCCCGGGCGGGGGAAGGGGACGCAGACCGCGGACCCTAA
1301 GACACCTGCTGTACCCTCCACCCCCACCCCACCCACCTCCCCCCAACTCCCTAGATGTGTCGTGGGCGGCTGAACGTCGCCCGTTTAAGGGGCGGGCCCC
1401 GGCTCCACGTGCTTTCTGCTGAGTGACTGAACTACATAAACAGAGGCCGGGAACGGGGCGGGGAGGAGGGAGAGCACAGGCTTTGACCGATAGTAACCTC
1501 TGCGCTCGGTGCAGCCGAATCTATAAAAGGAACTAGTCCCGGCAAAAACCCCGTAATTGCGAGCGAGAGTGAGTGGGGCCGGGACCCGCAGAGCCGAGCC
1601 GACCCTTCTCTCCCGGGCTGCGGCAGGGCAGGGCGGGGAGCTC
```

→ transcription start site

▬ TATA box

▭ nuclear hormone receptor half site

▭ LXR response element

▬ SP1 site

FIG. 13