FIG. 1A

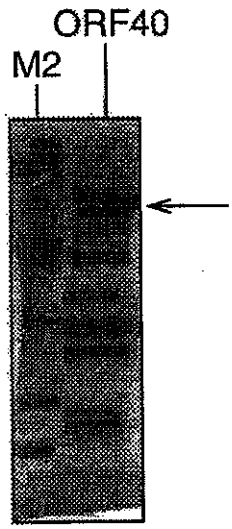


FIG. 1B

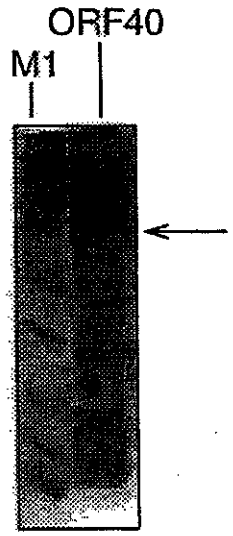
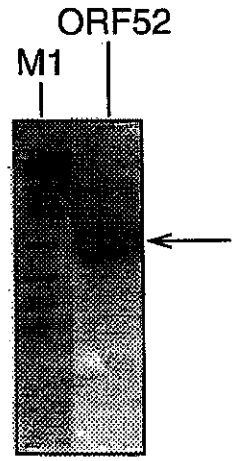


FIG. 4A



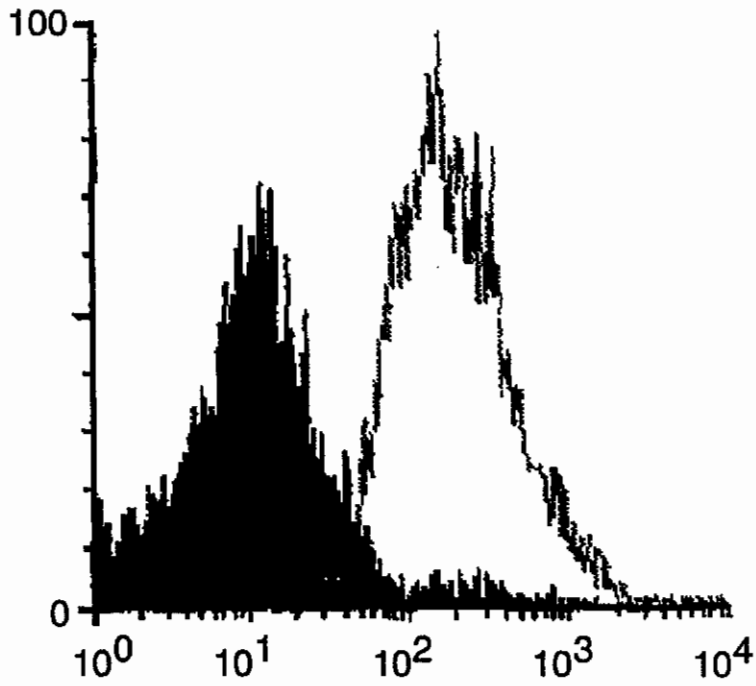


FIG. 1C

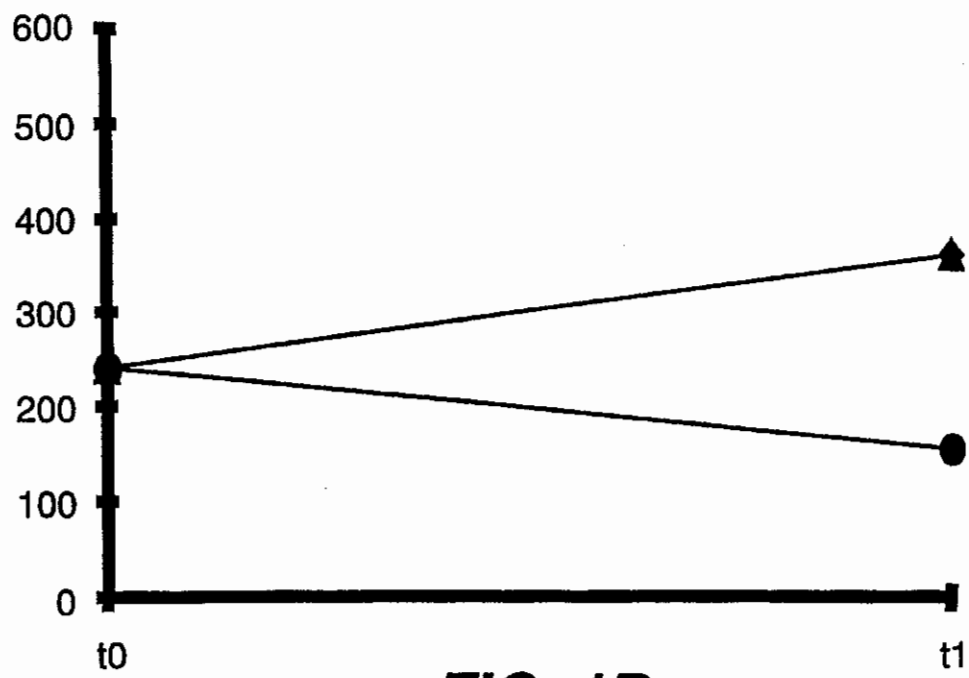


FIG. 1D

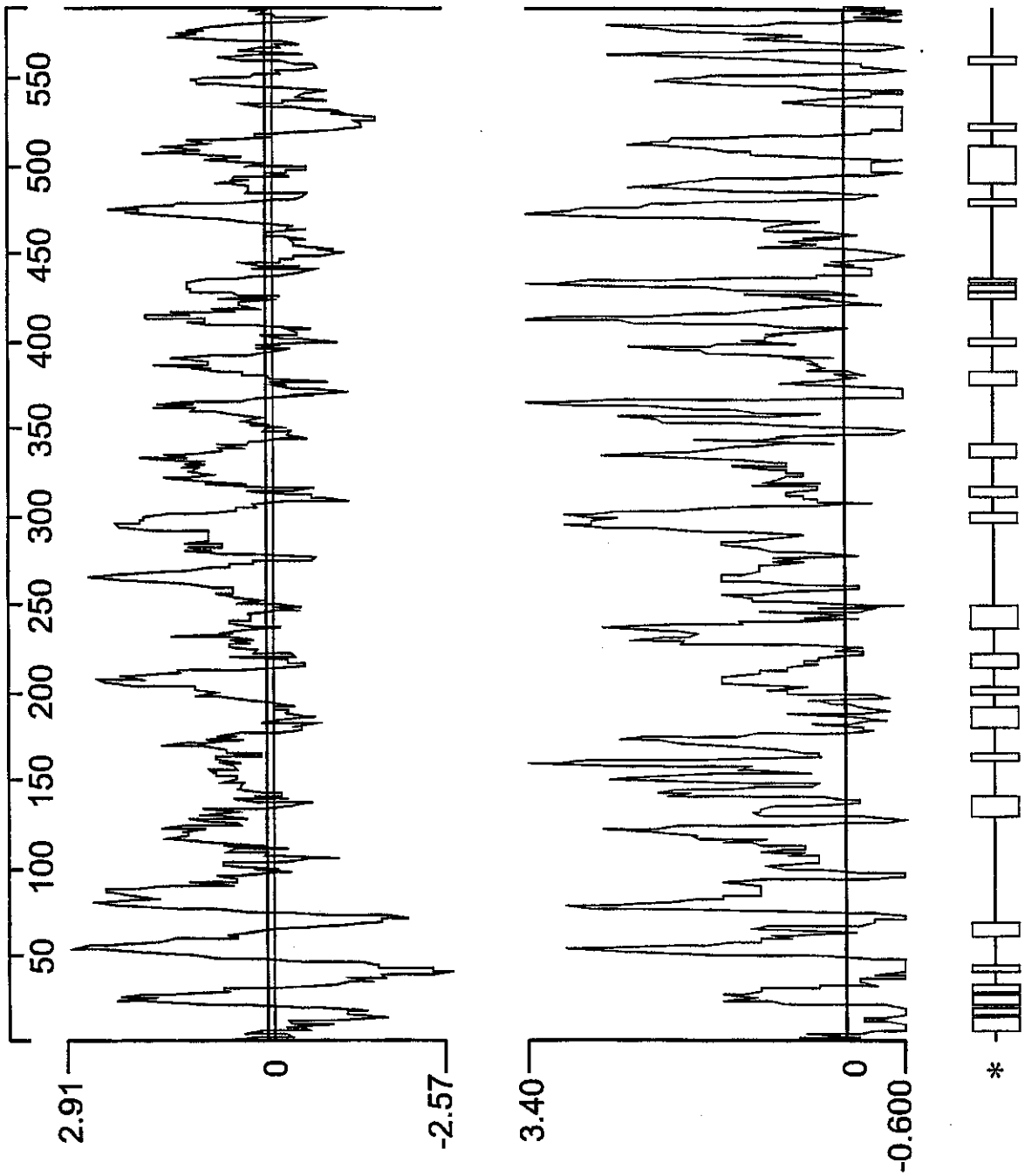


FIG. 1E

FIG. 2A

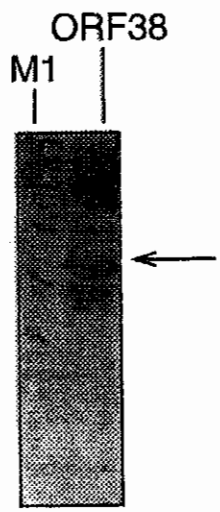


FIG. 2B

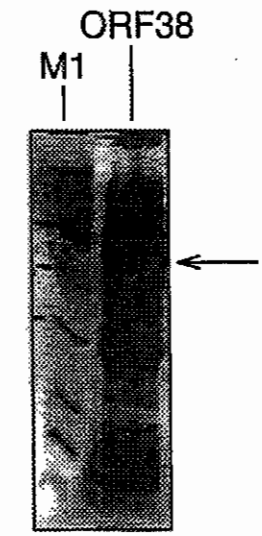


FIG. 2C

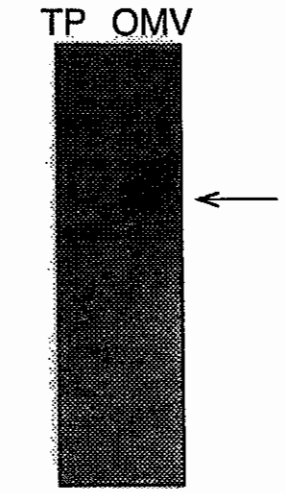
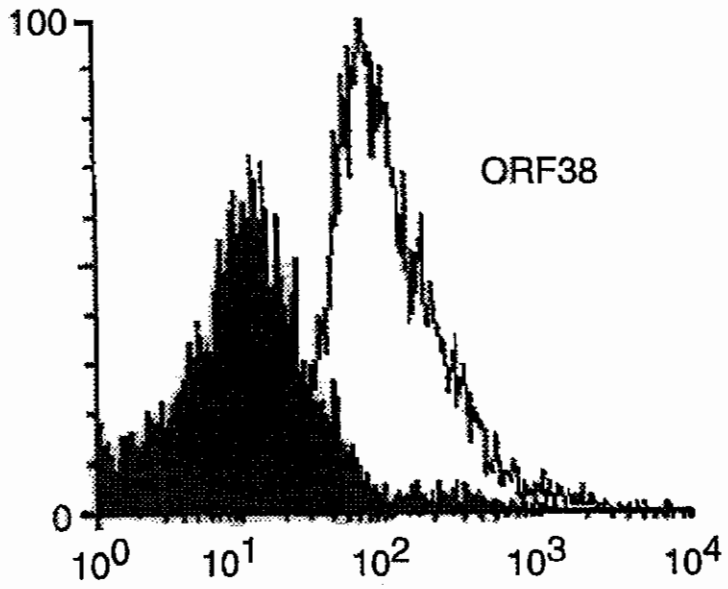


FIG. 2D



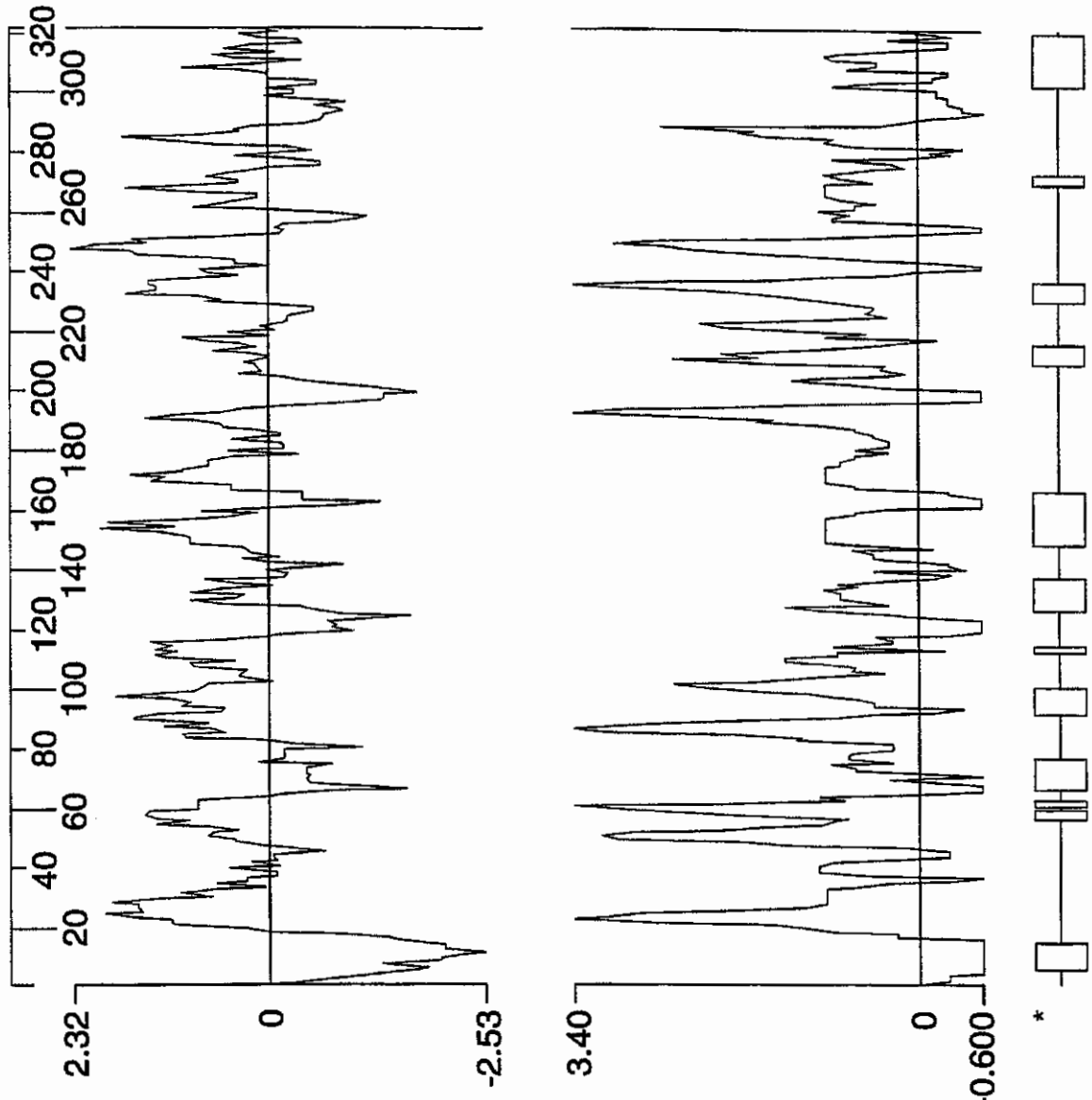

320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
2.32
0
-2.53
3.40
0
-0.600
*

FIG. 2E

FIG. 3A

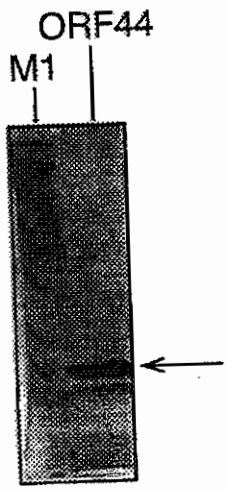


FIG. 3B

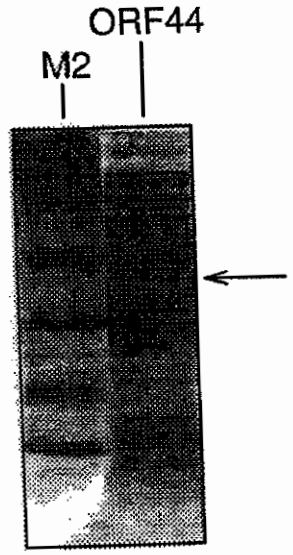
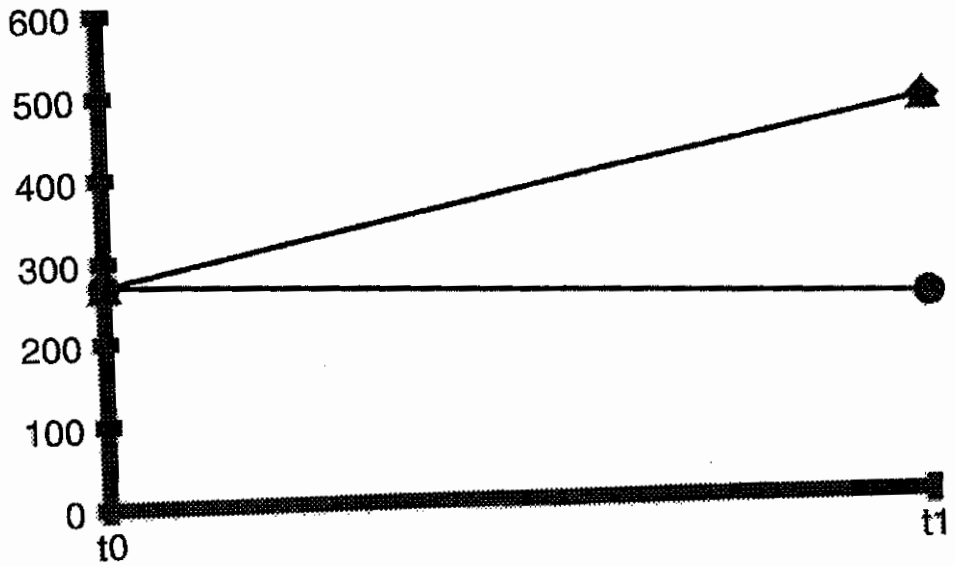


FIG. 3C



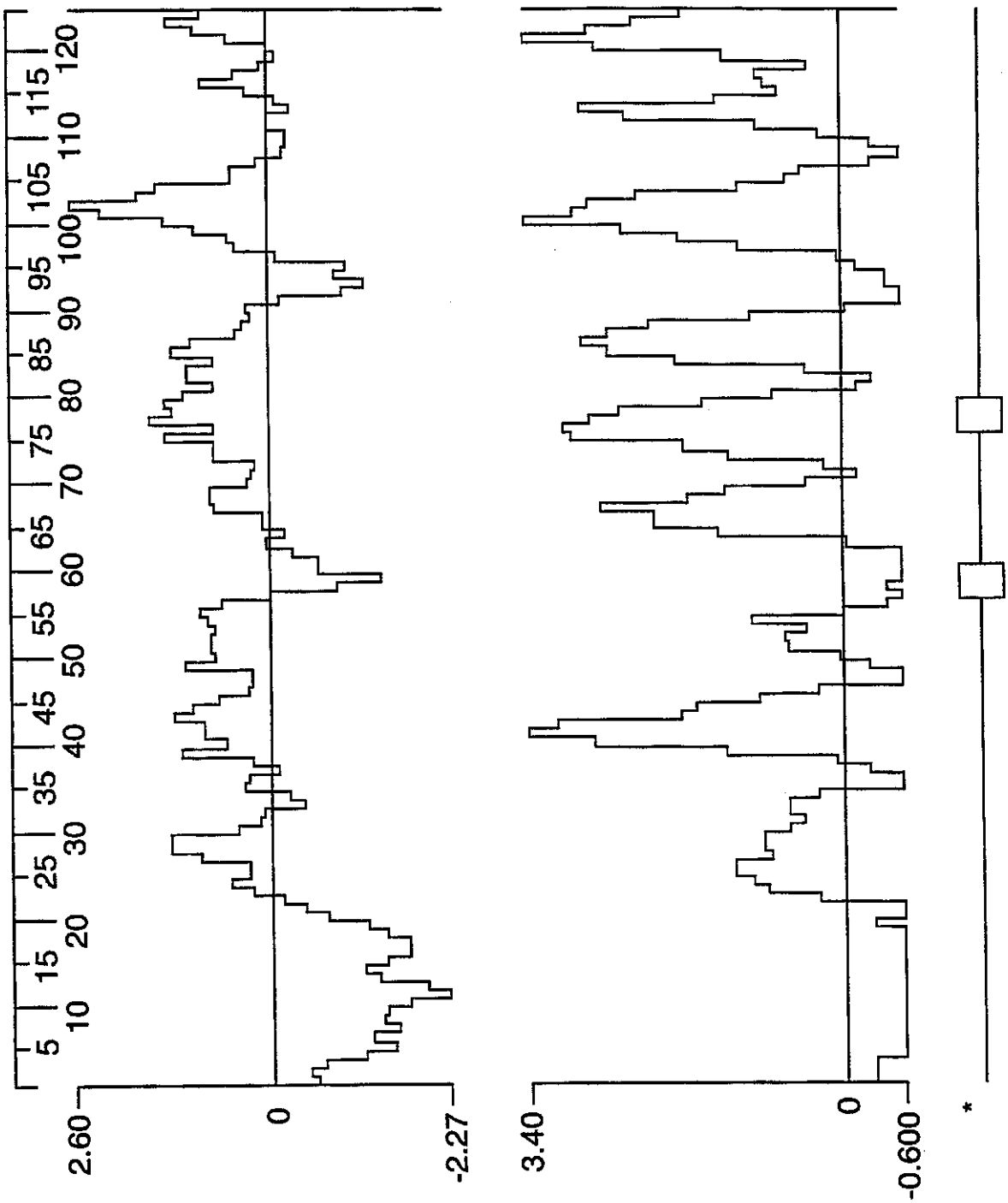

5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
2.60
0
-2.27
3.40
0
-0.600
*

FIG. 3D

FIG. 4B

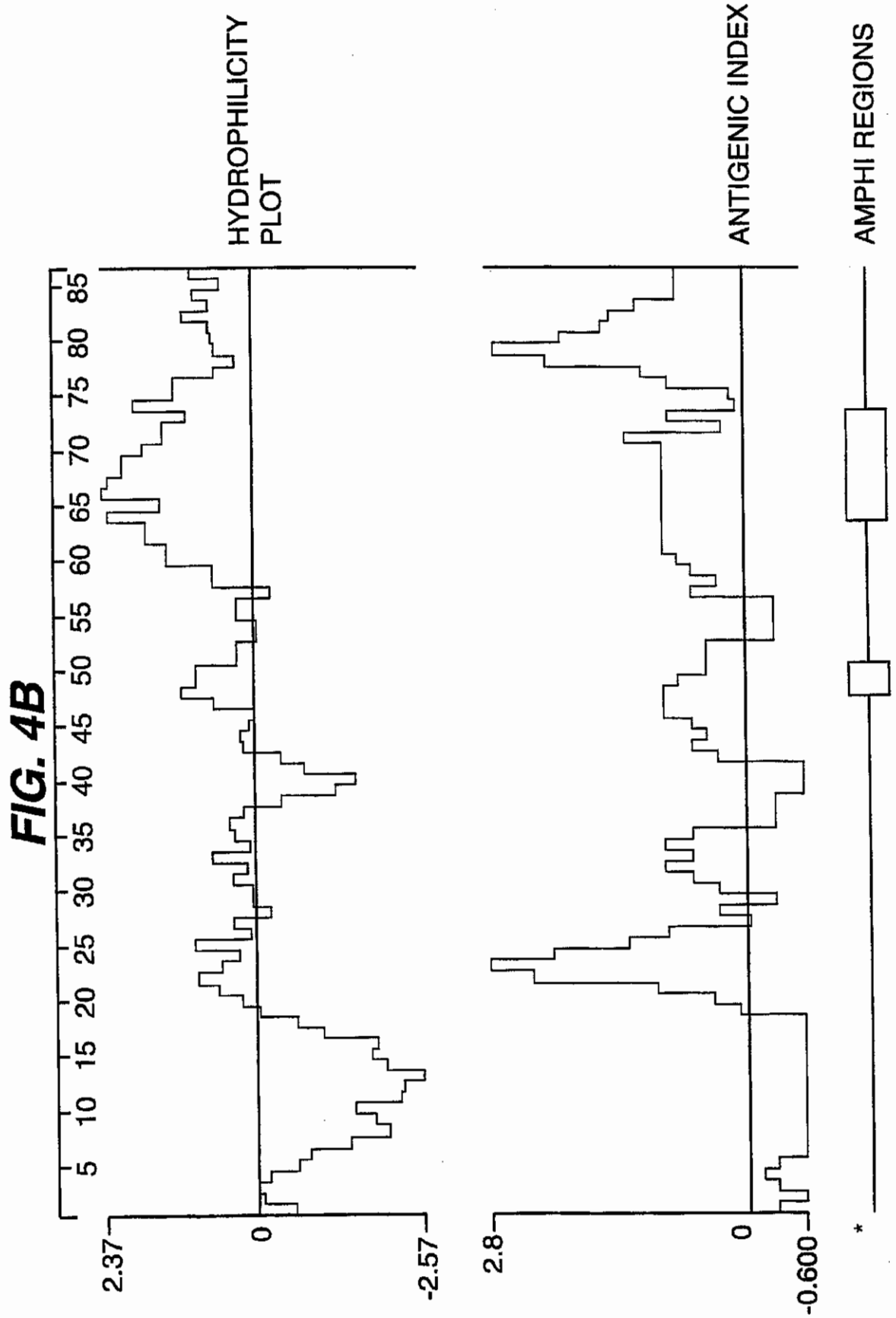

HYDROPHILICITY PLOT
ANTIGENIC INDEX
AMPHI REGIONS
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
2.37
0
-2.57
2.8
0
-0.600
*

FIG. 5

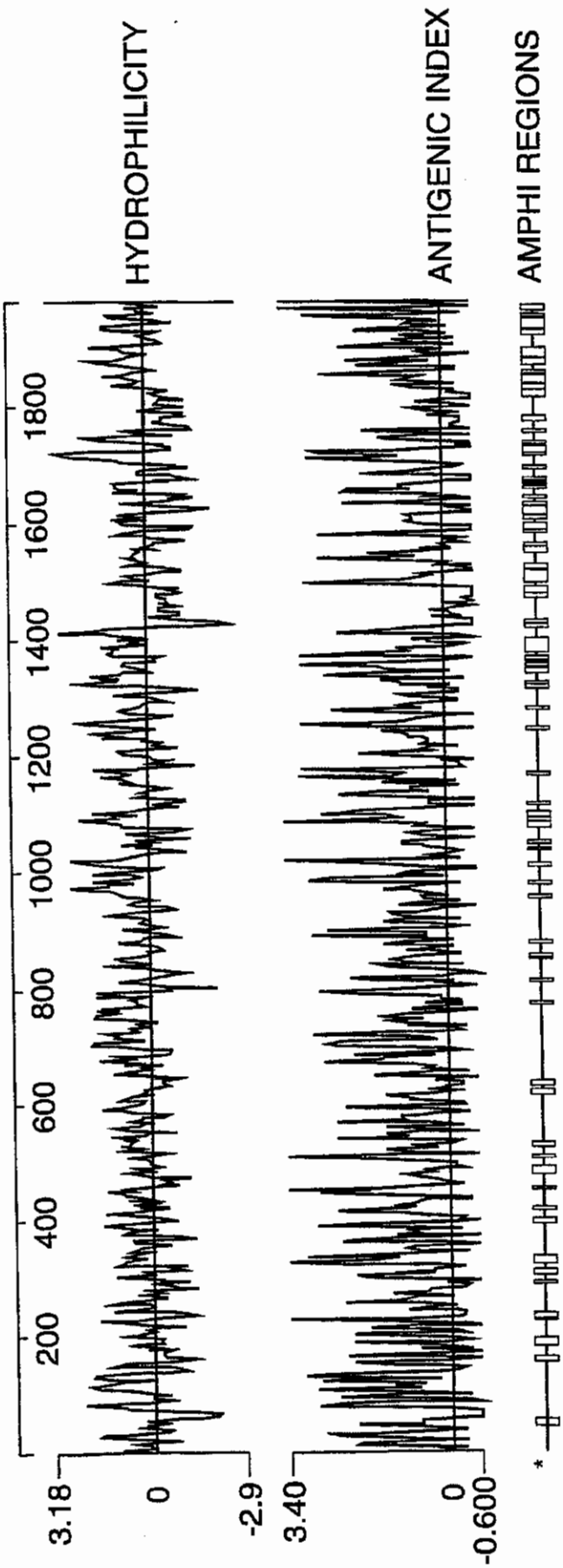

HYDROPHILICITY
ANTIGENIC INDEX
AMPHI REGIONS
200
400
600
800
1000
1200
1400
1600
1800
3.18
0
-2.9
3.40
0
-0.600
*

FIG. 6

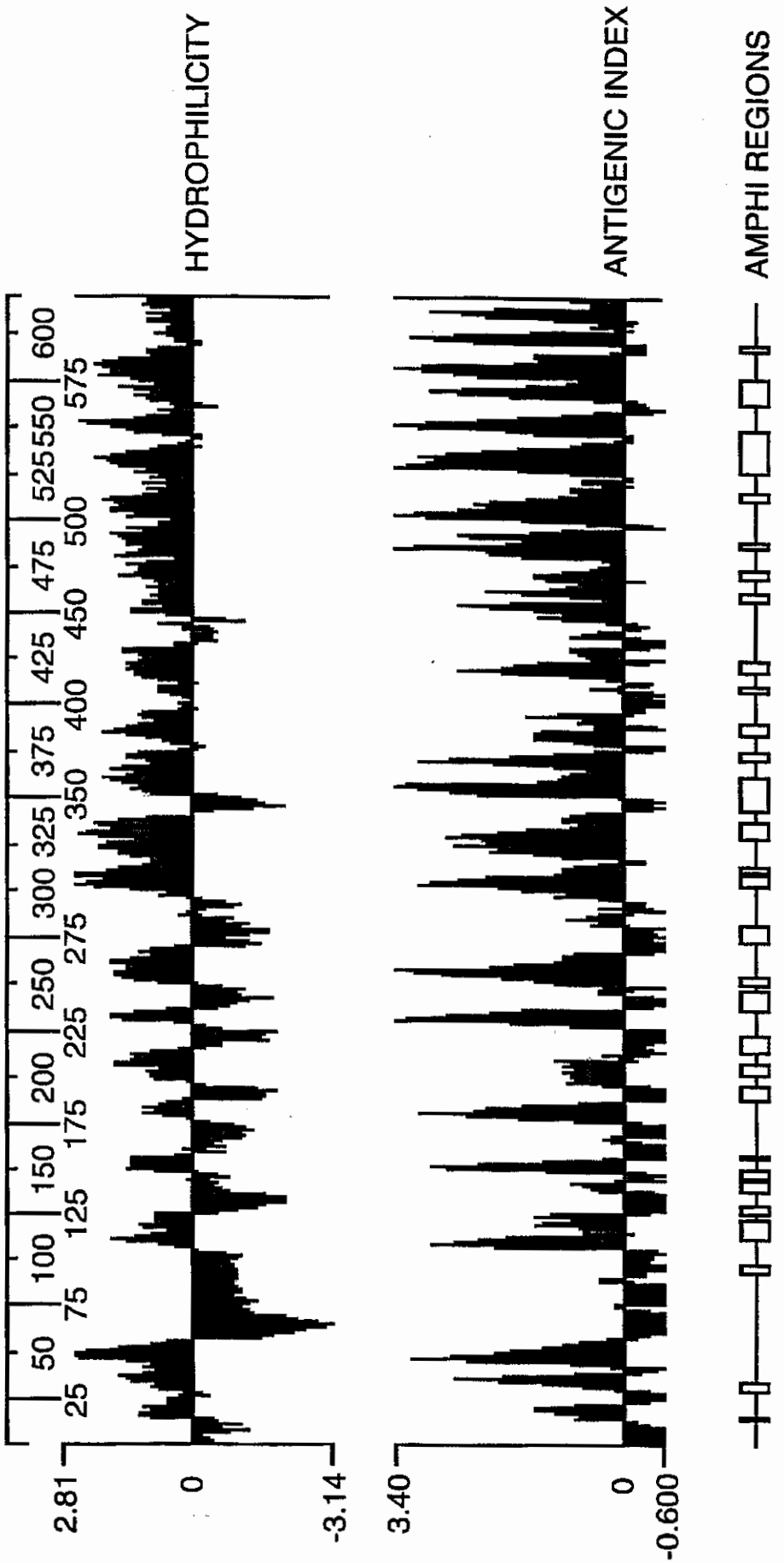
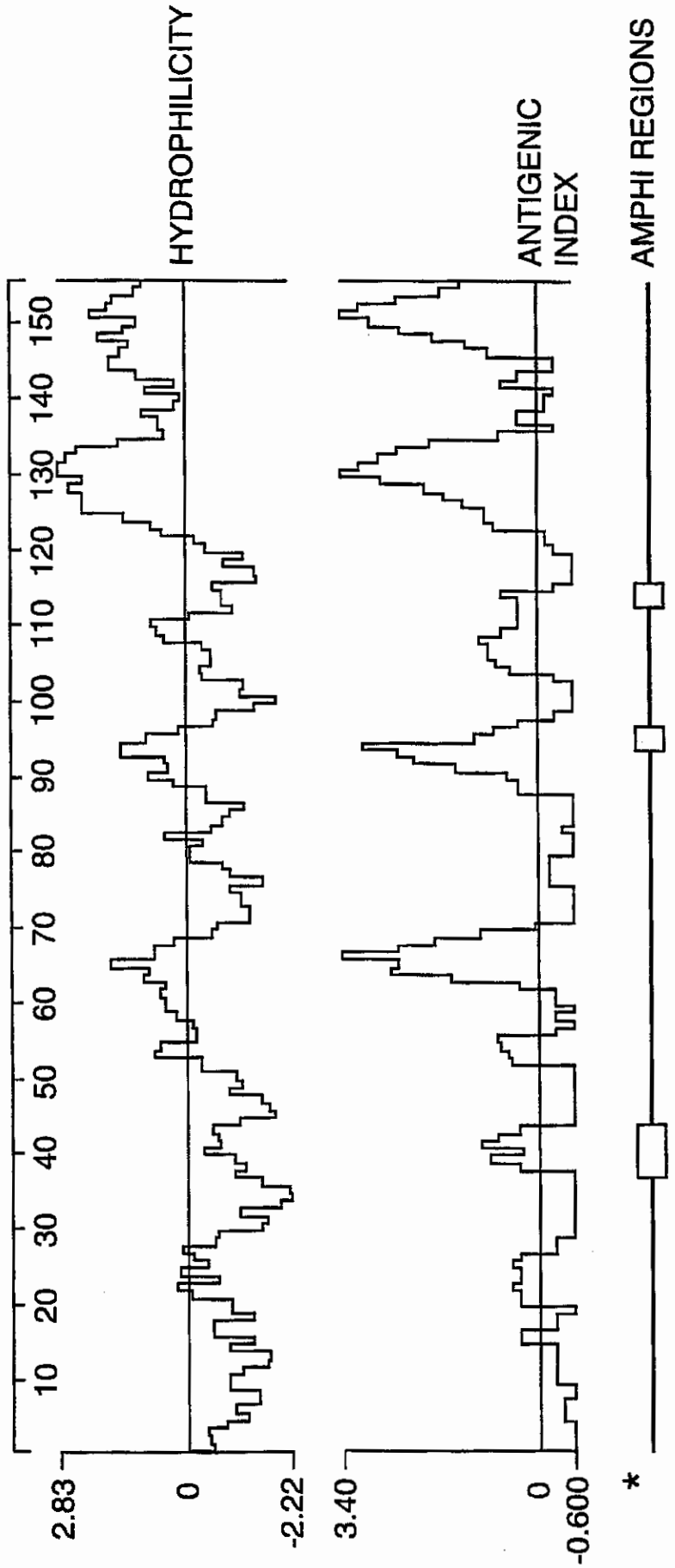

HYDROPHILICITY
ANTIGENIC INDEX
AMPHI REGIONS
2.81
0
-3.14
3.40
0
-0.600
25
50
75
100
125
150
175
200
225
250
275
300
325
350
375
400
425
450
475
500
525
550
575
600

FIG. 7


HYDROPHILICITY
ANTIGENIC INDEX
AMPHI REGIONS
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
2.83
0
-2.22
3.40
0
-0.600
*