Figure 1

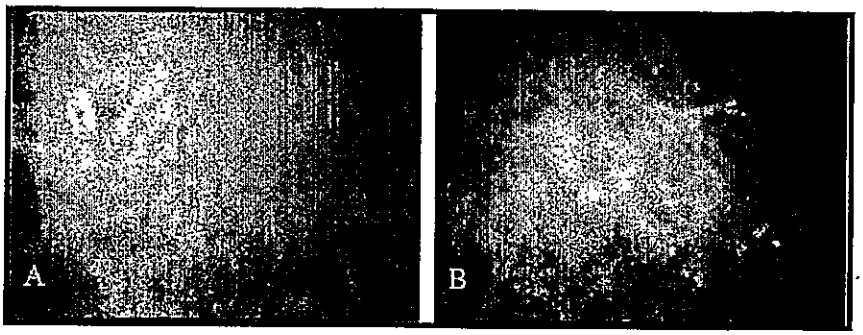


Figure 2

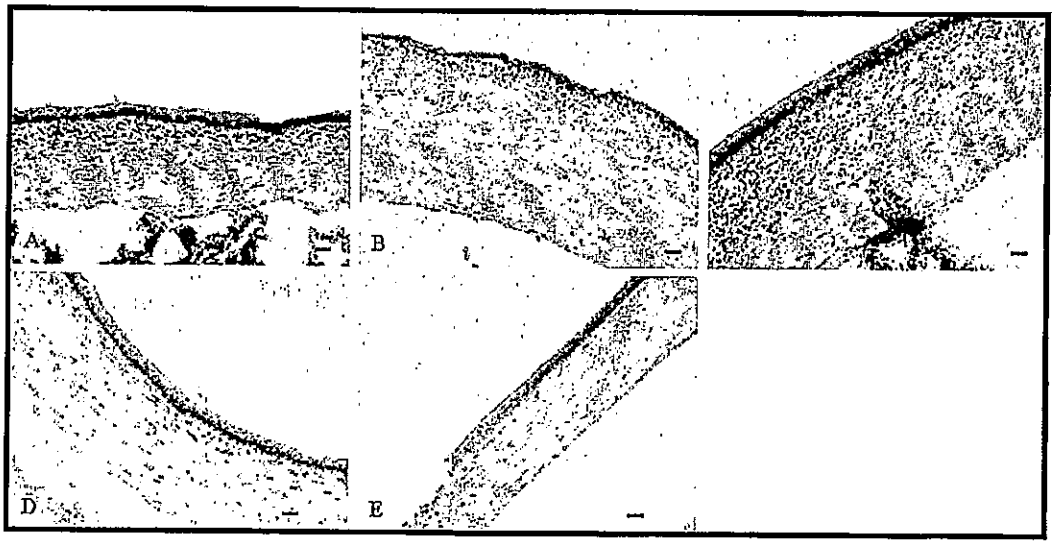


Figure 3

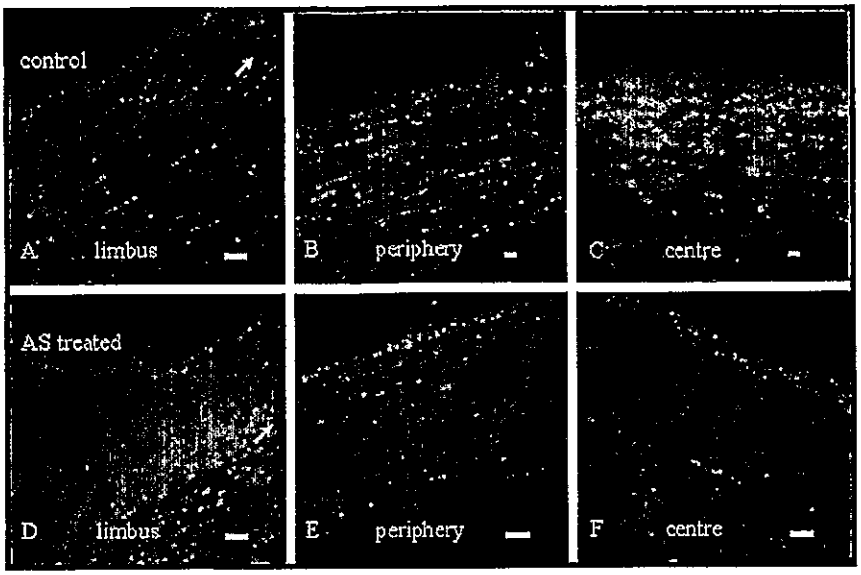


Figure 4

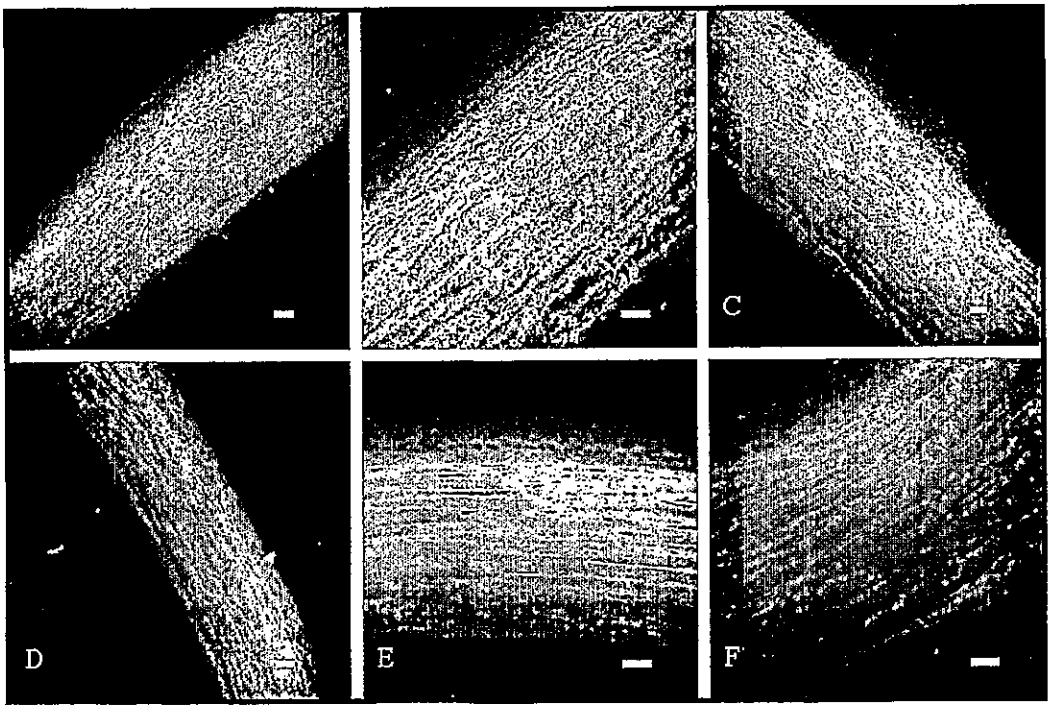


Figure 5

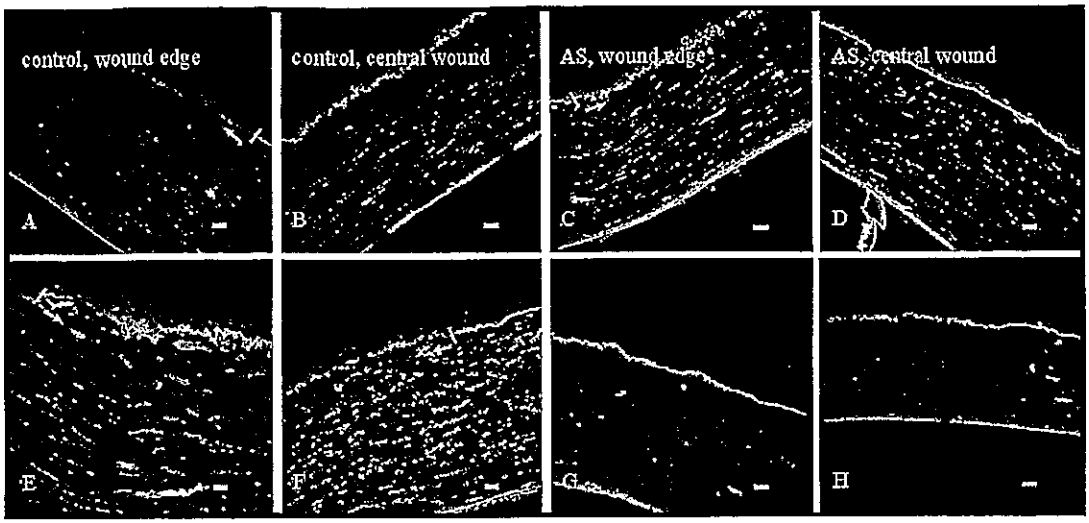


Figure 6

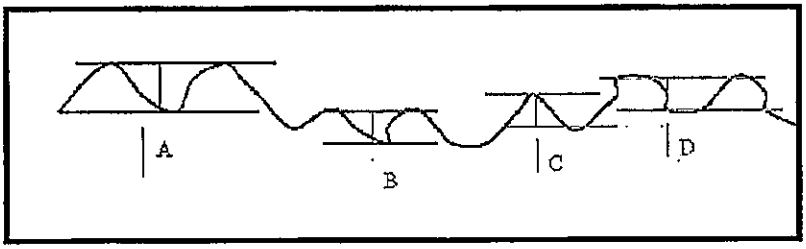


Figure 7

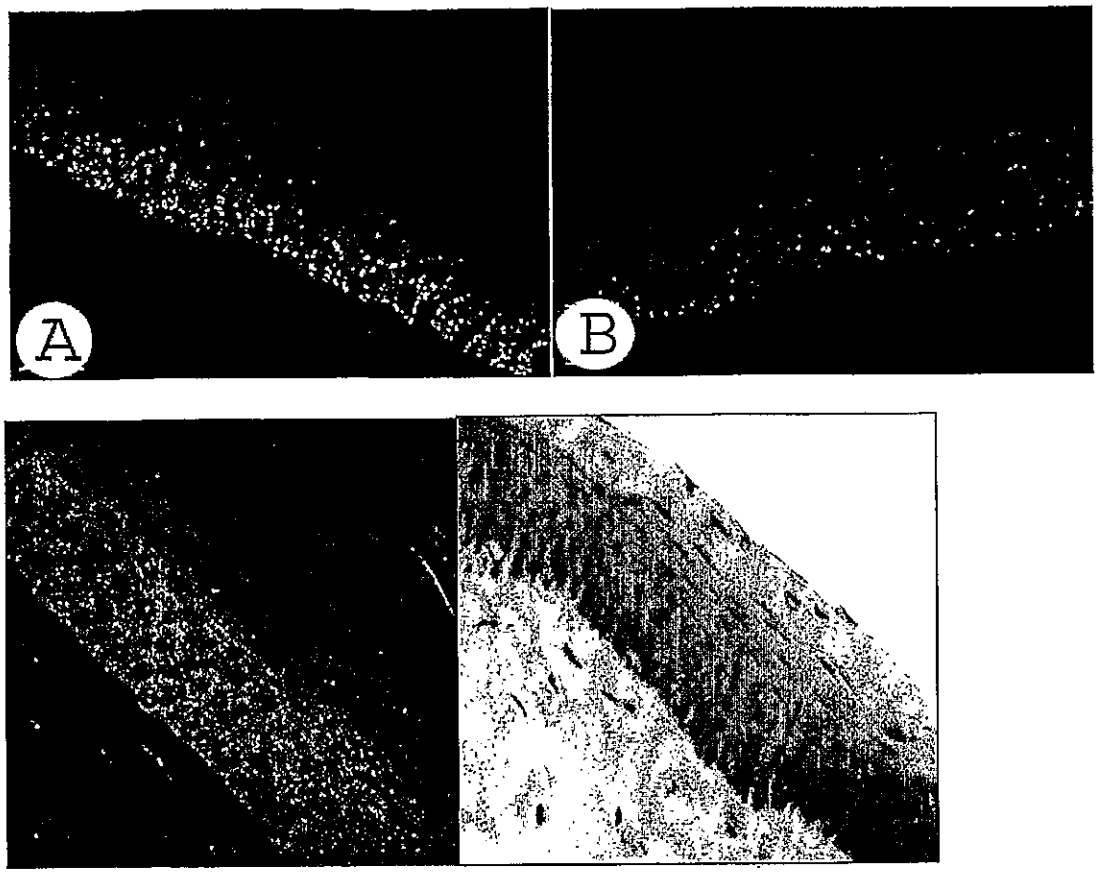


Figure 8

A B

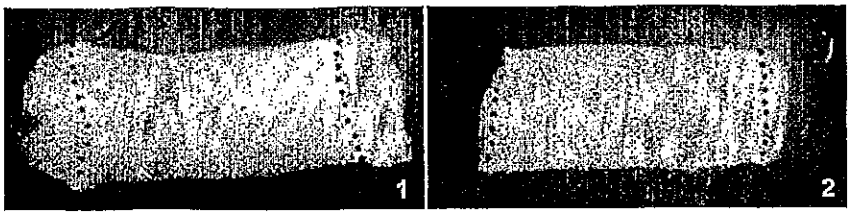


Figure 9

A B



Figure 10

A B

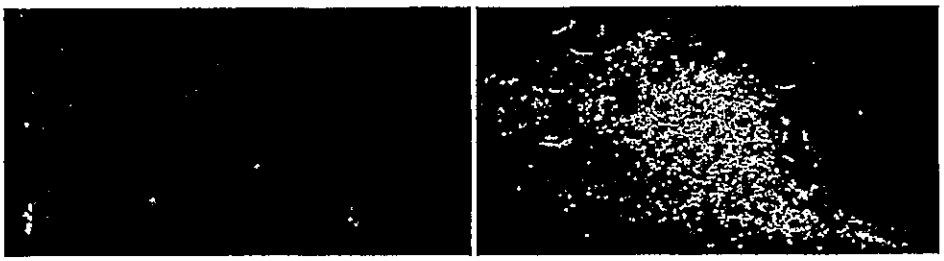


Figure 11

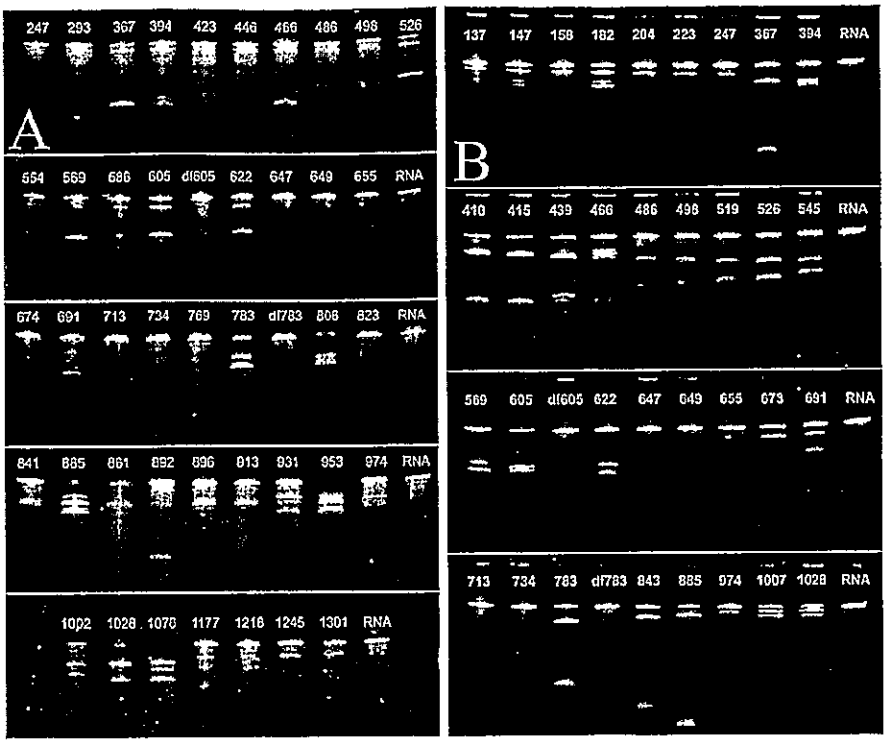

A
247 283 367 394 423 446 466 486 498 526
554 569 686 605 dl605 622 647 649 655 RNA
674 691 713 734 769 783 dl783 808 823 RNA
841 885 861 892 896 913 931 953 974 RNA
1002 1028 1076 1177 1216 1245 1301 RNA
B
137 147 158 182 204 223 247 367 394 RNA
410 415 439 466 486 498 519 526 545 RNA
569 605 dl605 622 647 649 655 673 691 RNA
713 734 783 dl783 843 885 974 1007 1028 RNA

Figure 12

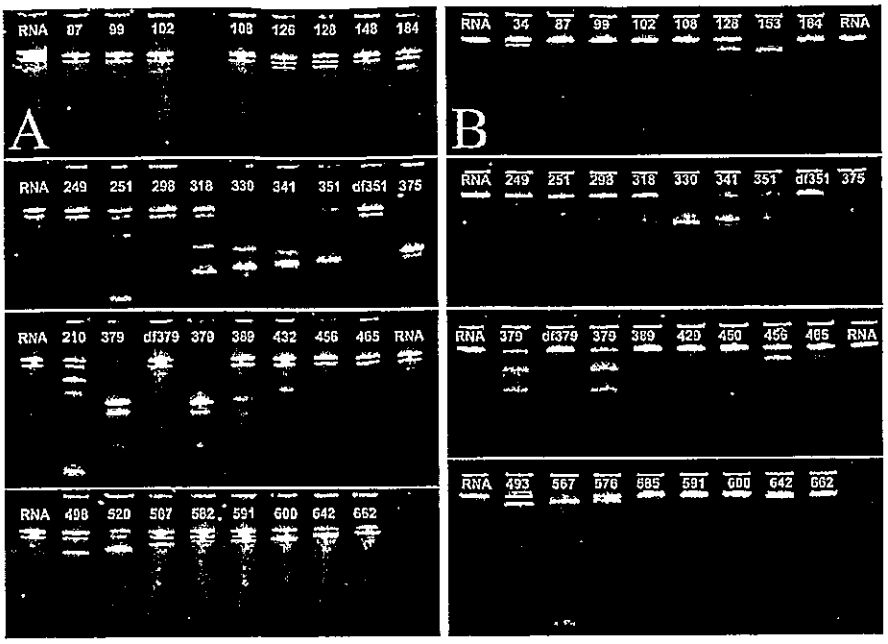

A
RNA 87 99 102 108 126 128 148 184
RNA 249 251 298 318 330 341 351 df351 375
RNA 210 379 df379 379 389 432 456 465 RNA
RNA 498 520 567 582 591 600 642 662
B
RNA 34 87 99 102 108 128 153 184 RNA
RNA 249 251 298 318 330 341 351 df351 375
RNA 379 df379 379 389 429 450 456 465 RNA
RNA 493 567 576 585 591 600 642 662

Figure 13

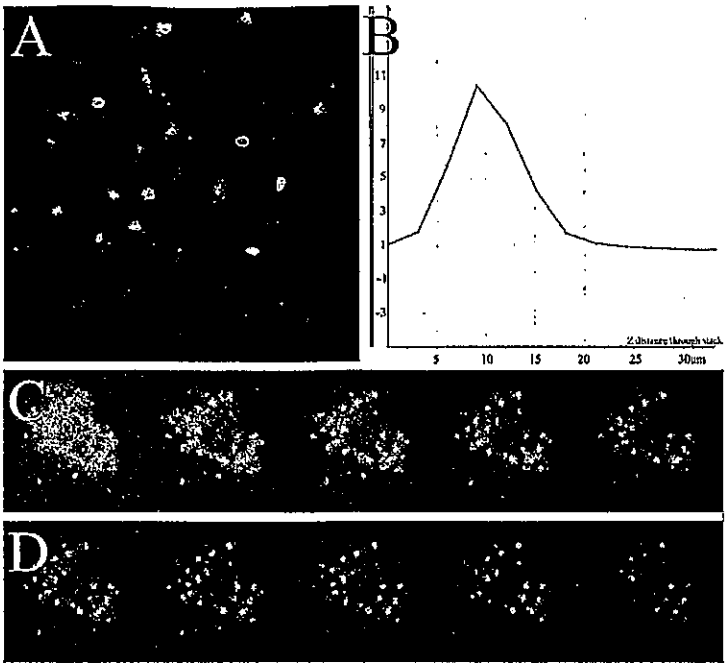


Figure 14

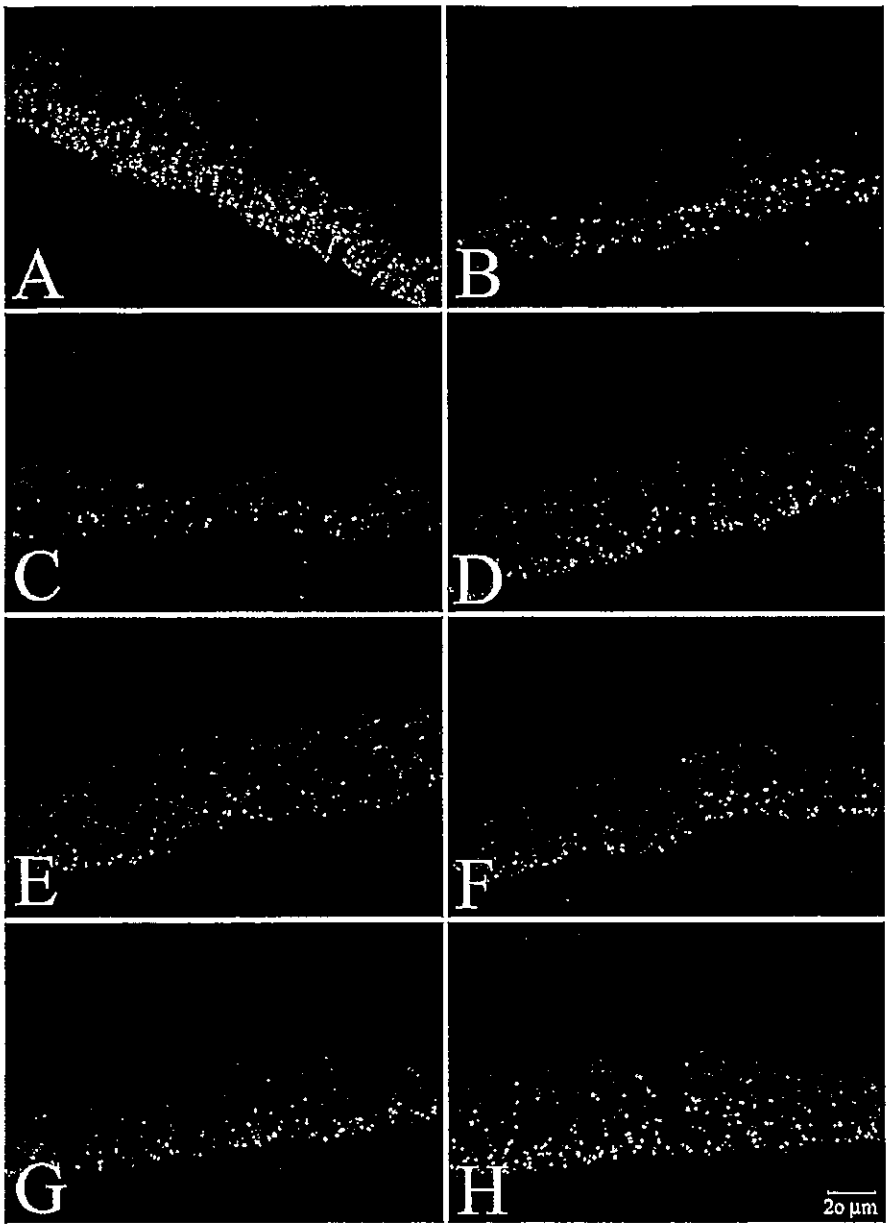


Figure 15

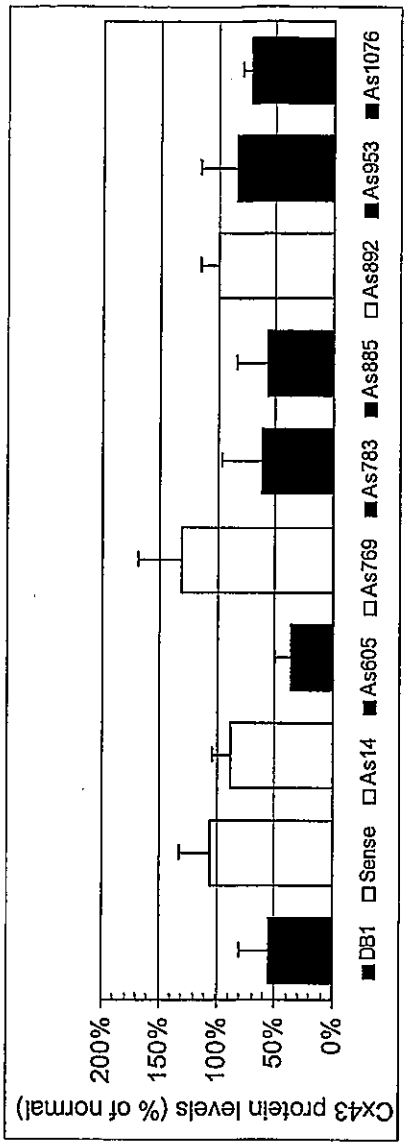

Cx43 protein levels (% of normal)
200%
150%
100%
50%
0%
DB1
Sense
As14
As605
As769
As783
As885
As892
As953
As1076

FIGURE 16

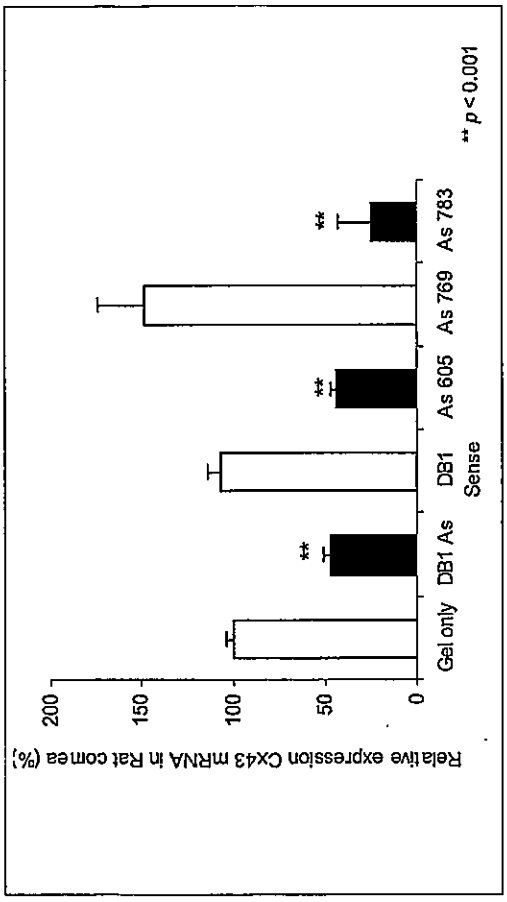
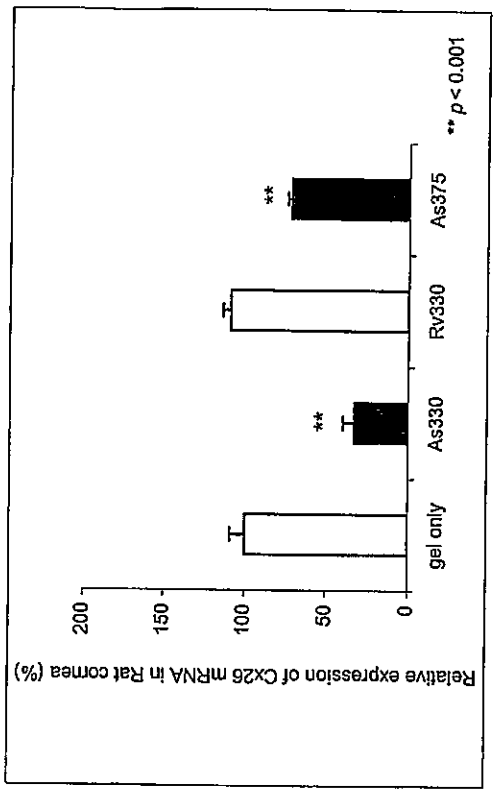

Relative expression Cx43 mRNA in Rat cornea (%)
200
150
100
50
0
Gel only
DB1 As
DB1
As 605
As 769
As 783
Sense
** p < 0.001

FIGURE 17


Relative expression of Cx26 mRNA in Rat cornea (%)
200
150
100
50
0
gel only
As330
Rv330
As375
**
**
** $p < 0.001$