

FIG. 1A

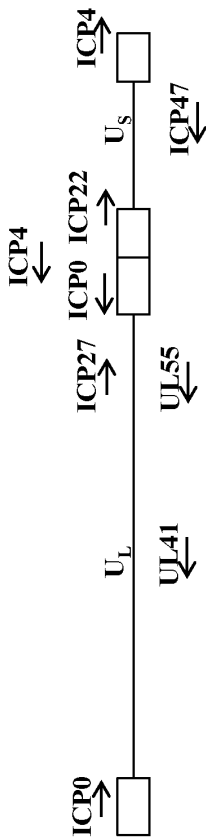


FIG. 1B

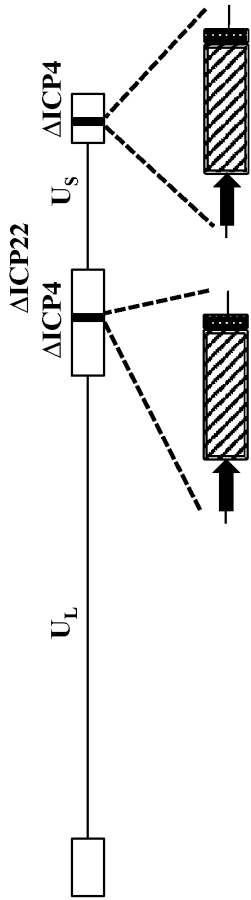
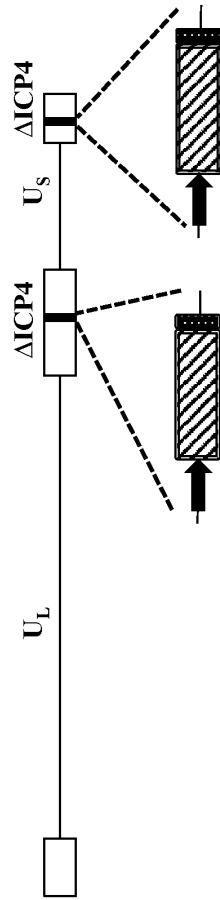


FIG. 1C



↑ = heterologous promoter

 = 1st human collagen polypeptide coding sequence

 = regulatory elements

FIG. 1D

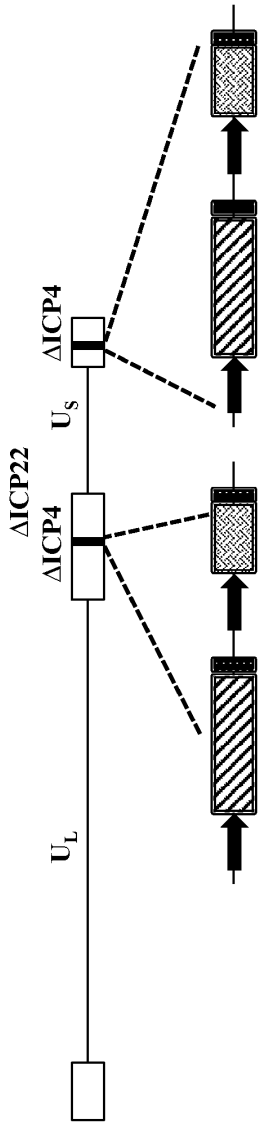


FIG. 1E

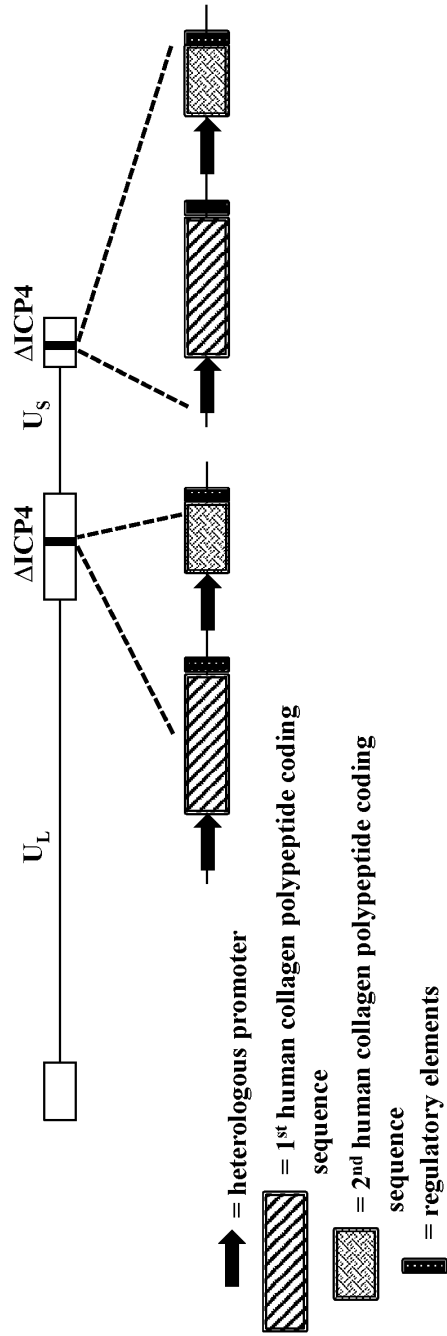


FIG. 1F

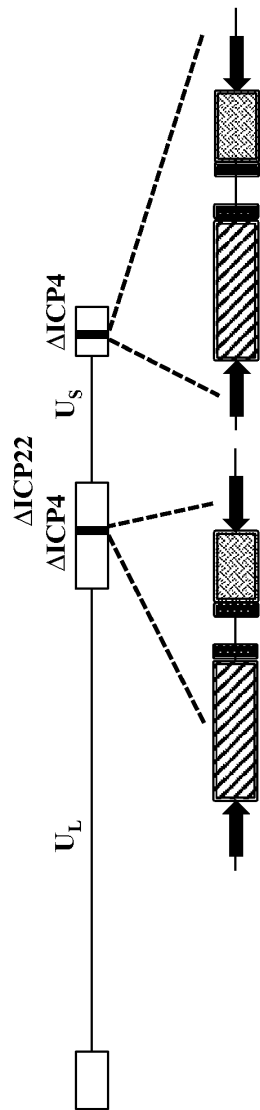


FIG. 1G

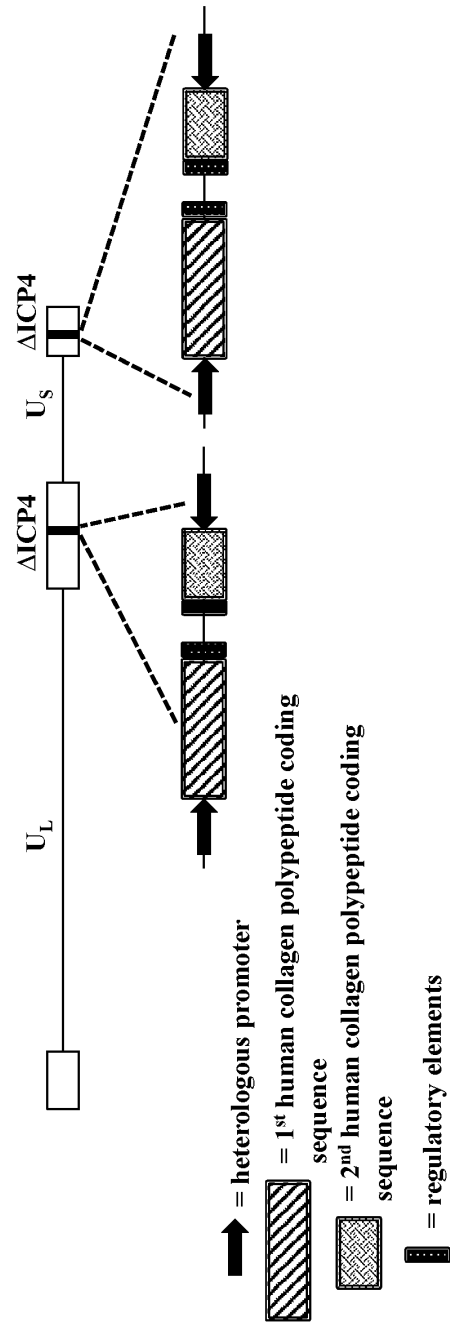


FIG. 1H

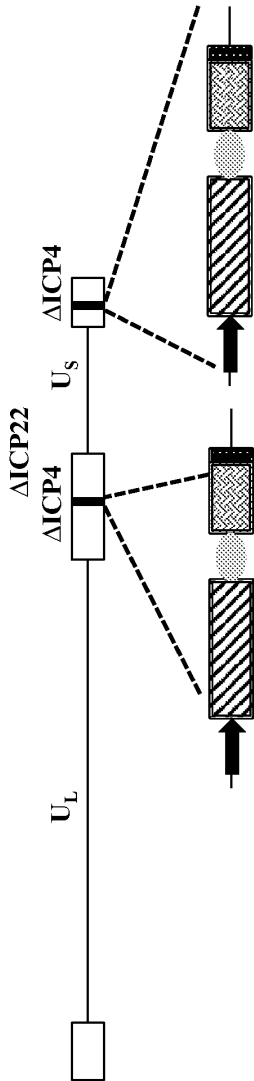


FIG. 1I

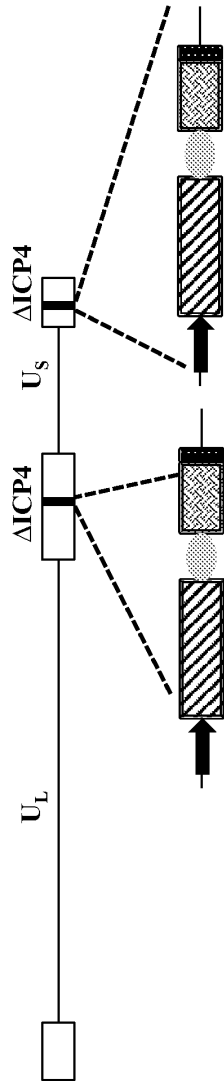


FIG. 1J

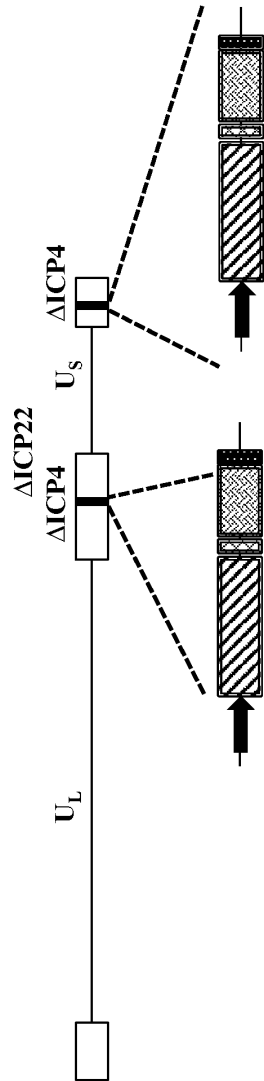


FIG. 1K

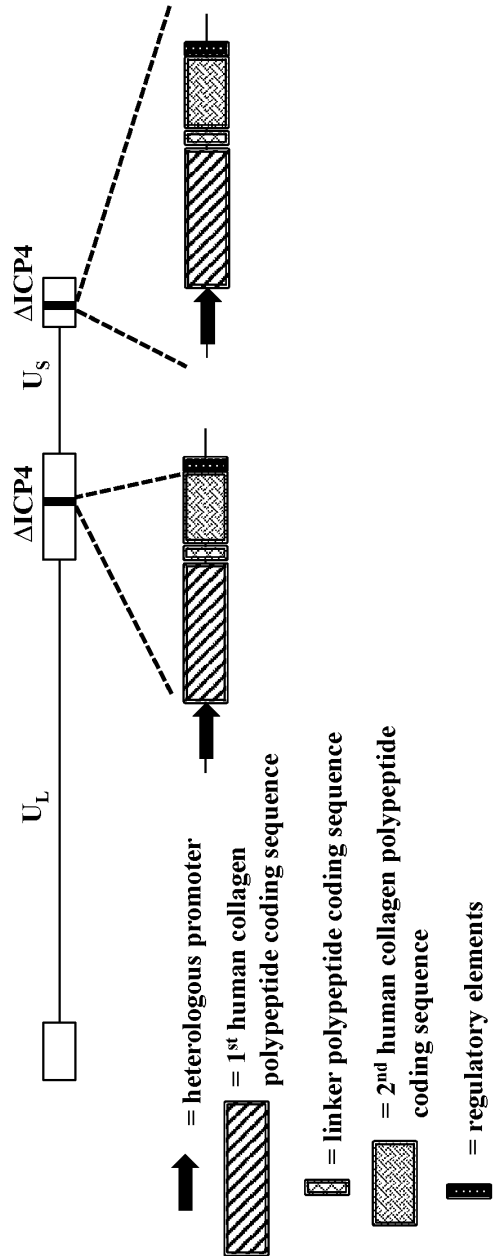


FIG. 1L

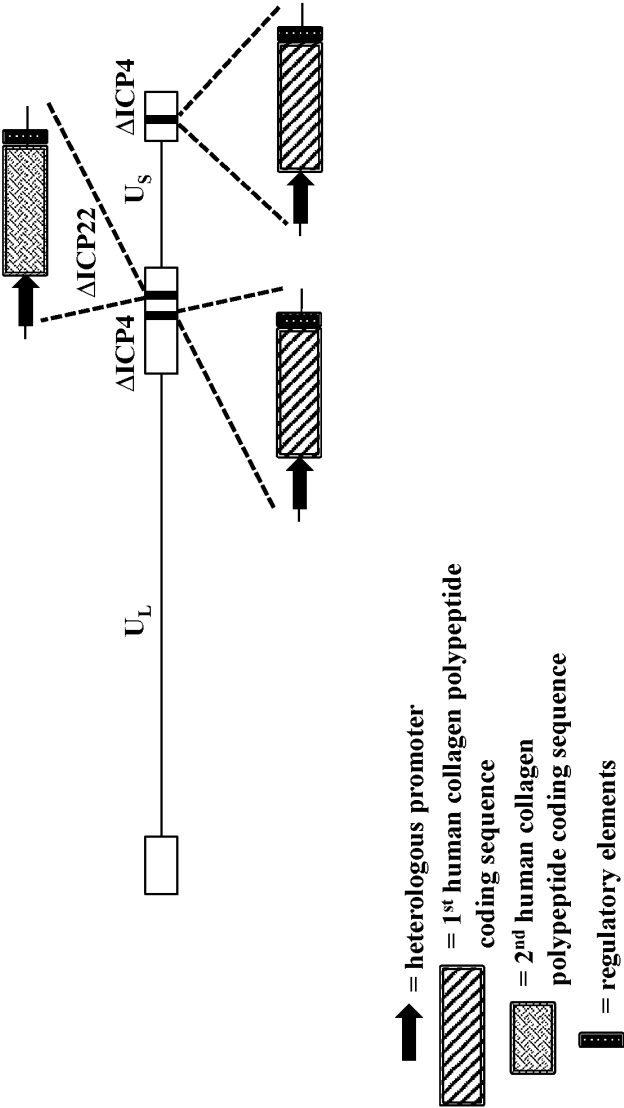


FIG. 1M

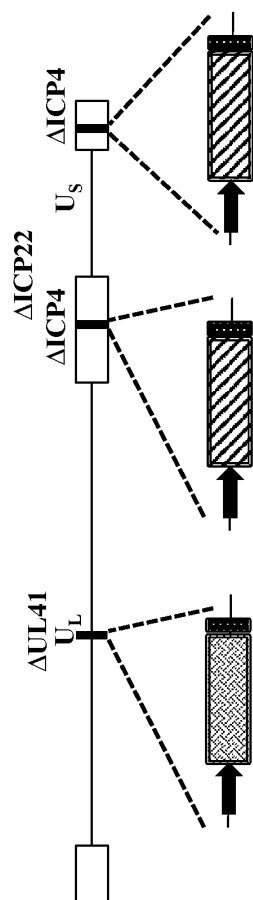


FIG. 1N

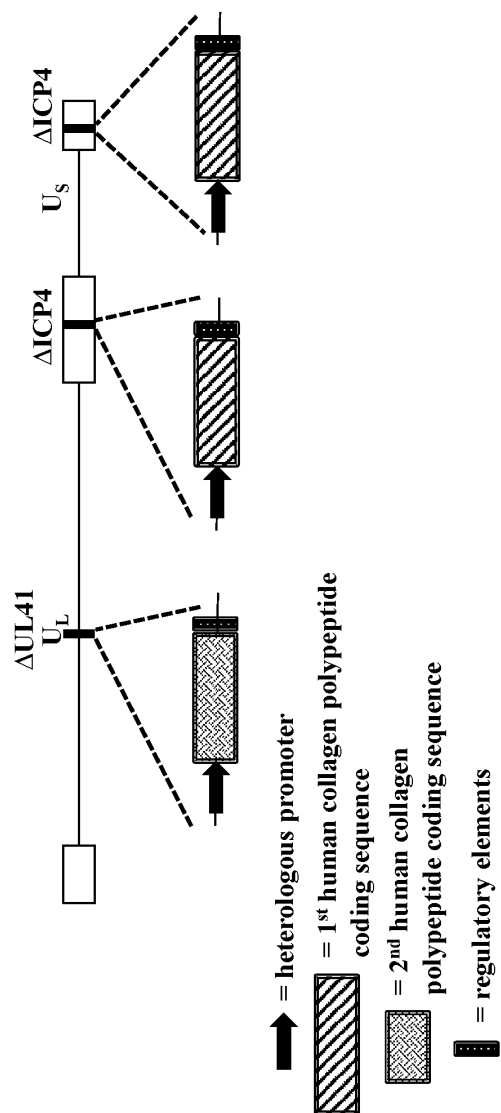


FIG. 2A

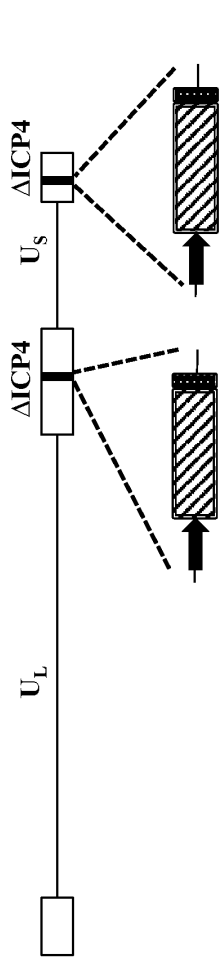
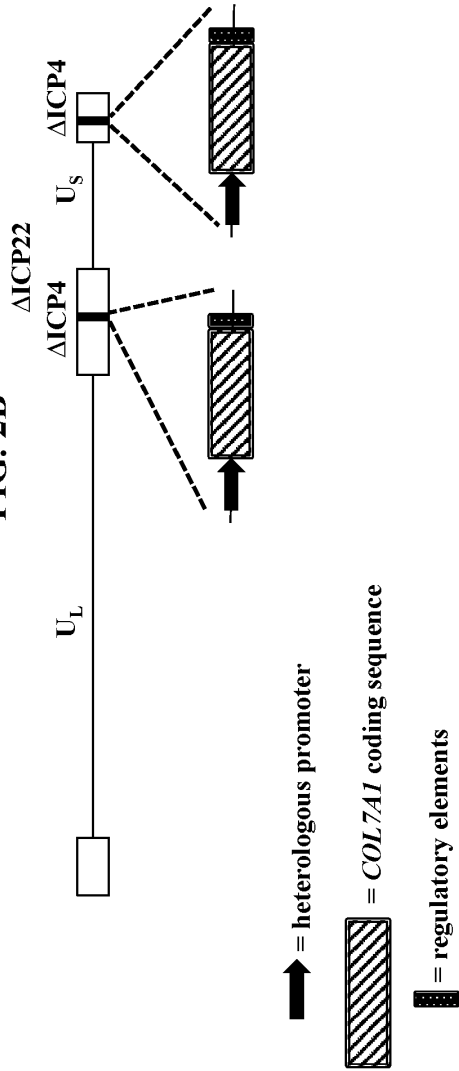


FIG. 2B



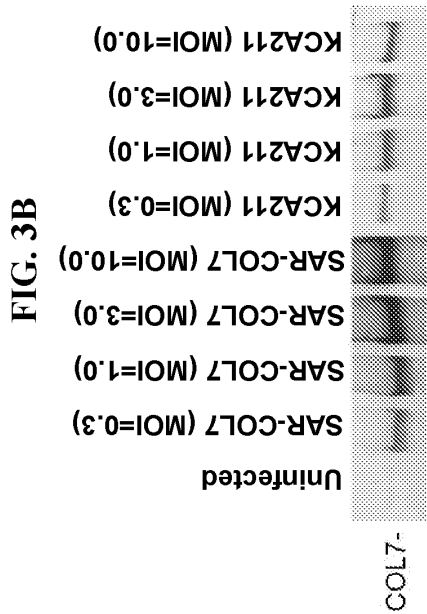
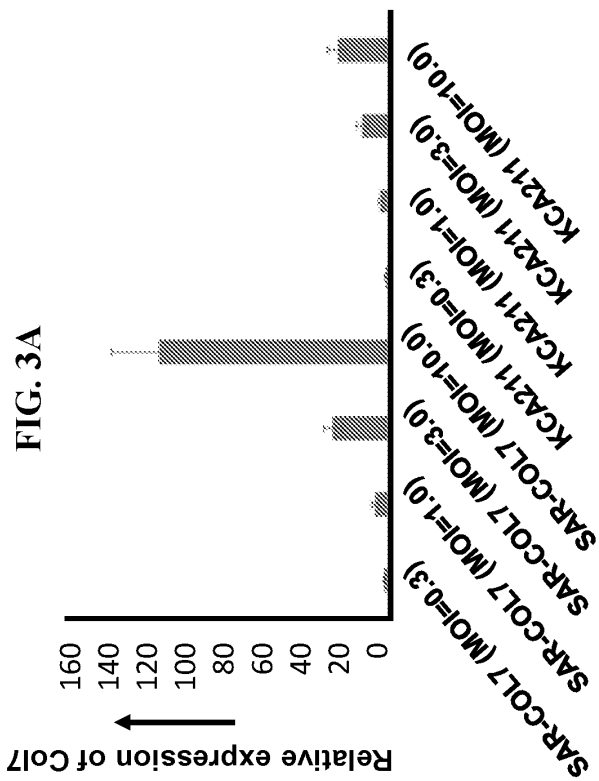


FIG. 4A

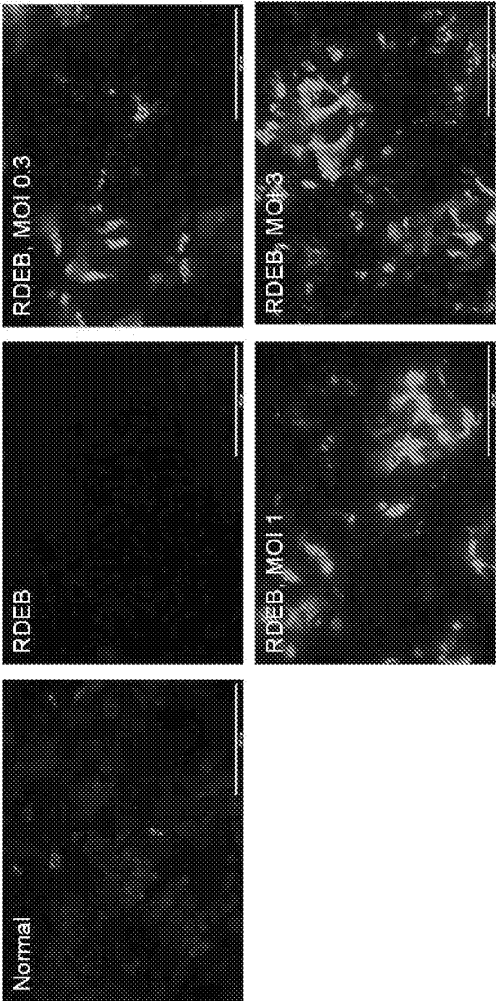


FIG. 4B

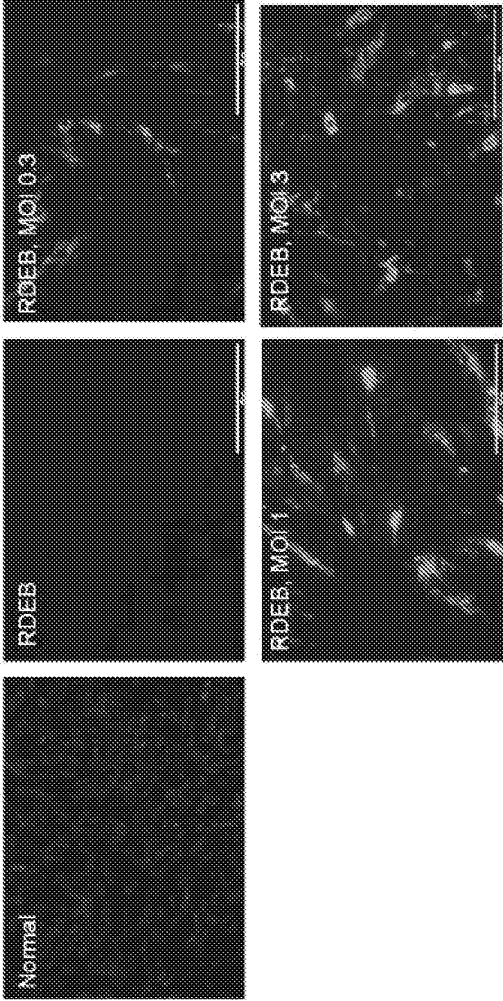


FIG. 5A

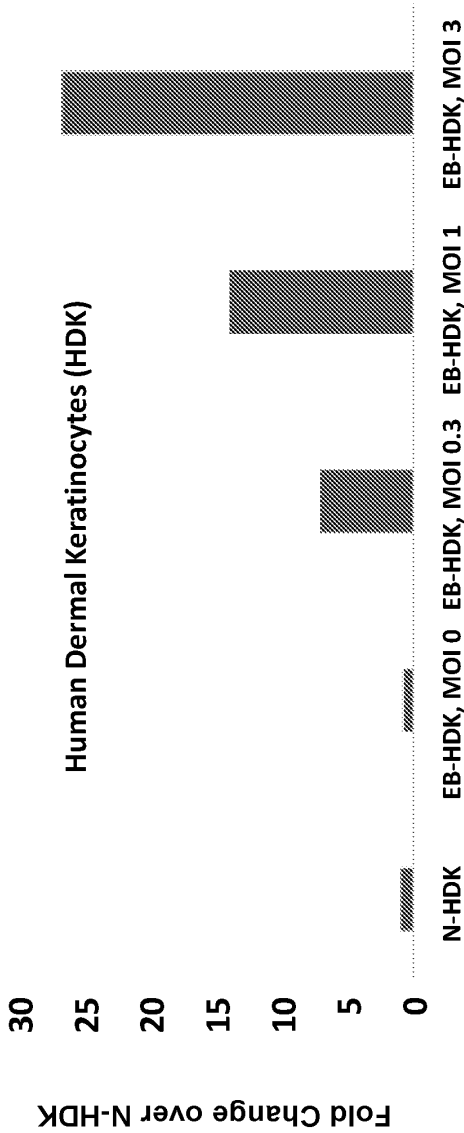
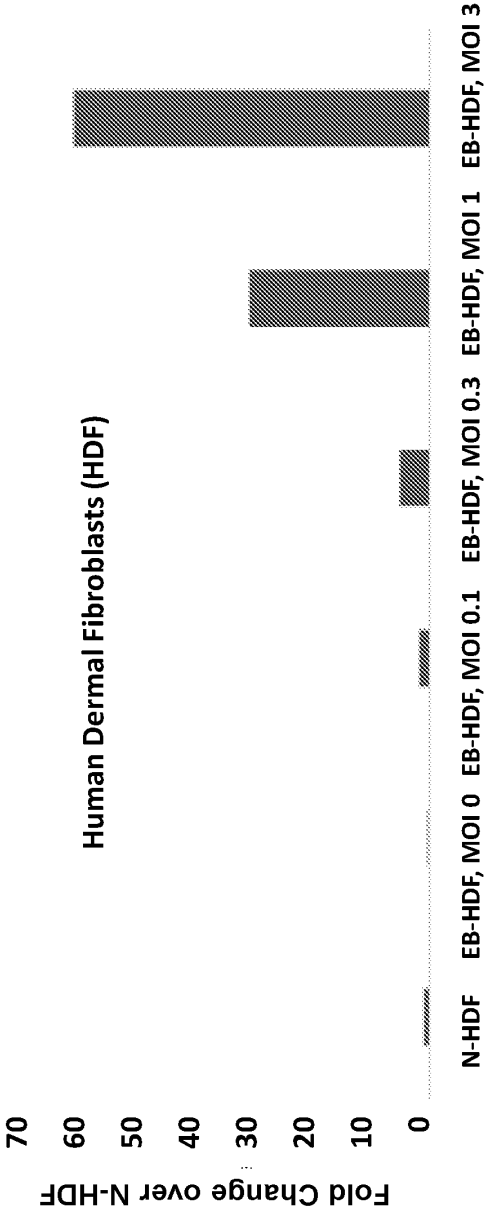


FIG. 5B



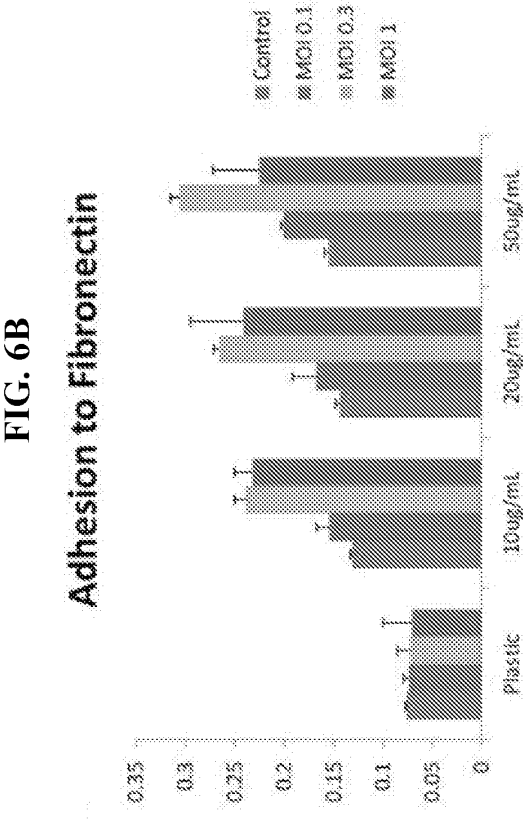
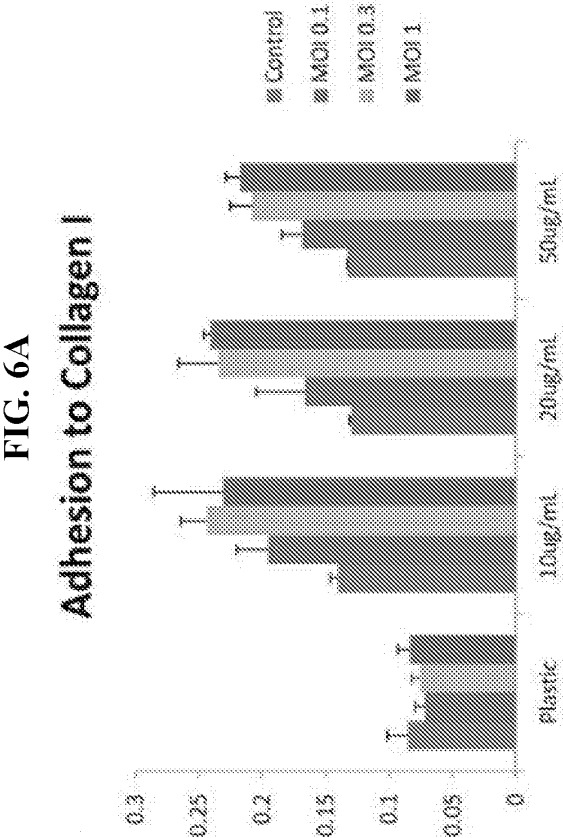
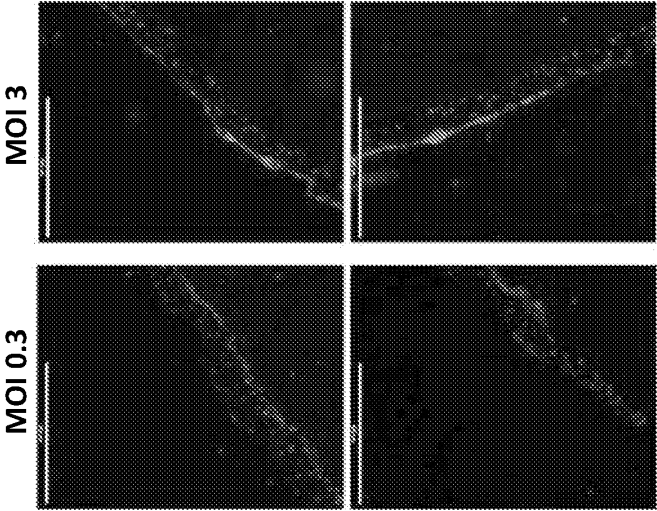


FIG. 7



 = COL7
 = DAPI

FIG. 8C

COL7A1 Transcripts (Day 6)

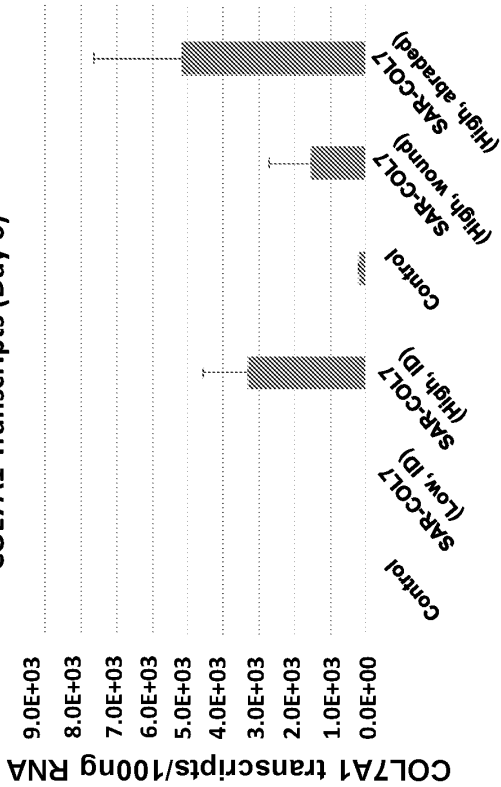


FIG. 8D

COL7A1 Genomes (Day 6)

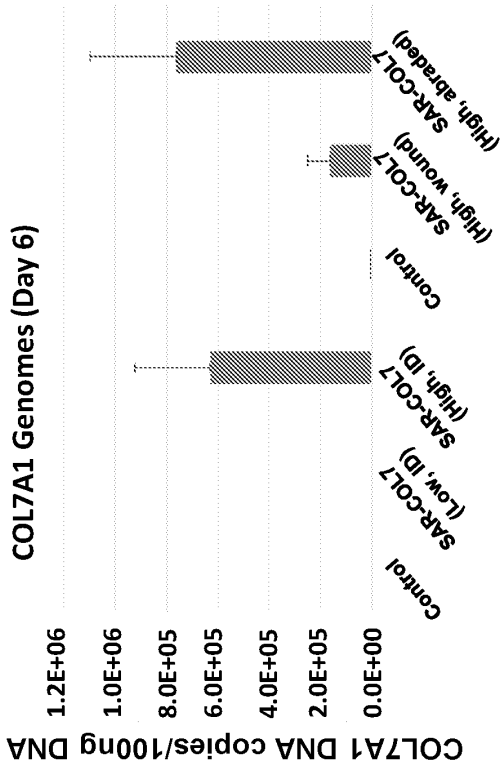


FIG. 8A

COL7A1 Transcripts (Day 3)

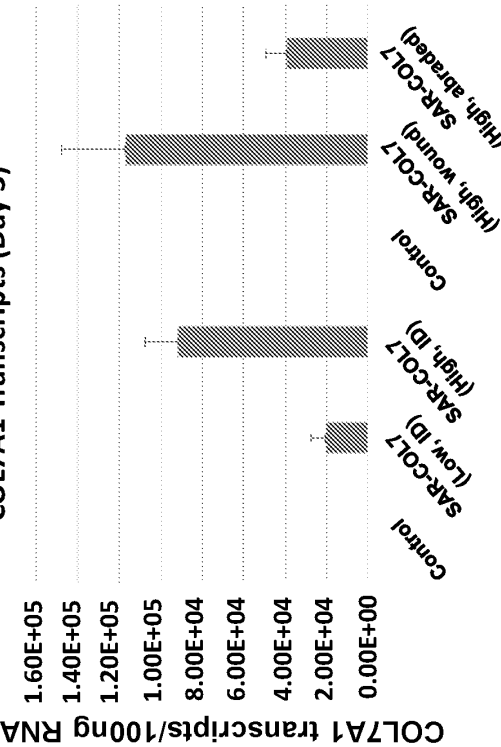


FIG. 8B

COL7A1 Genomes (Day 3)

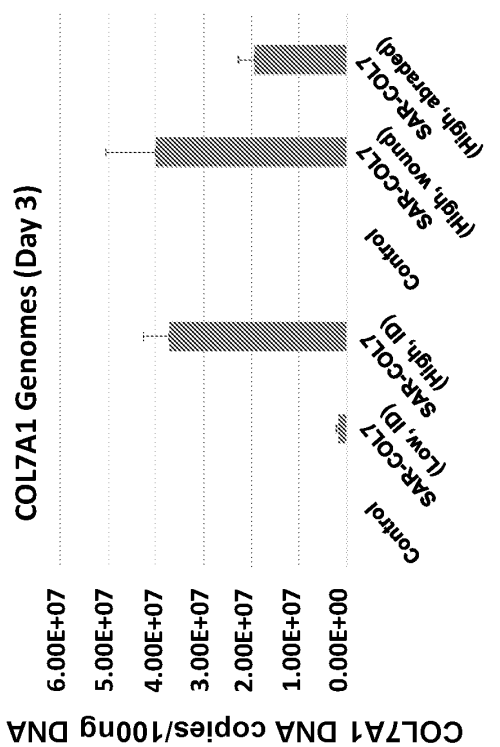


FIG. 9B

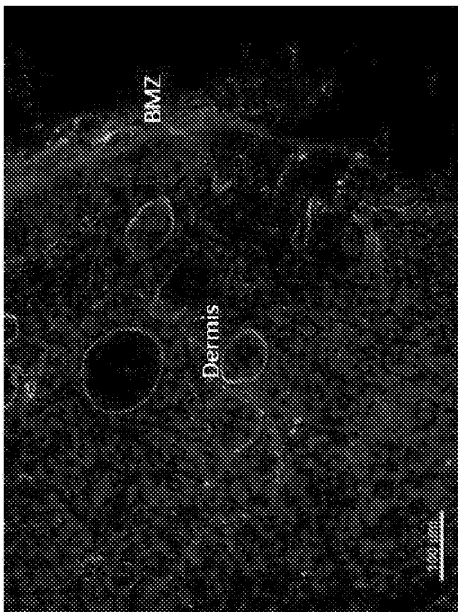


FIG. 9A

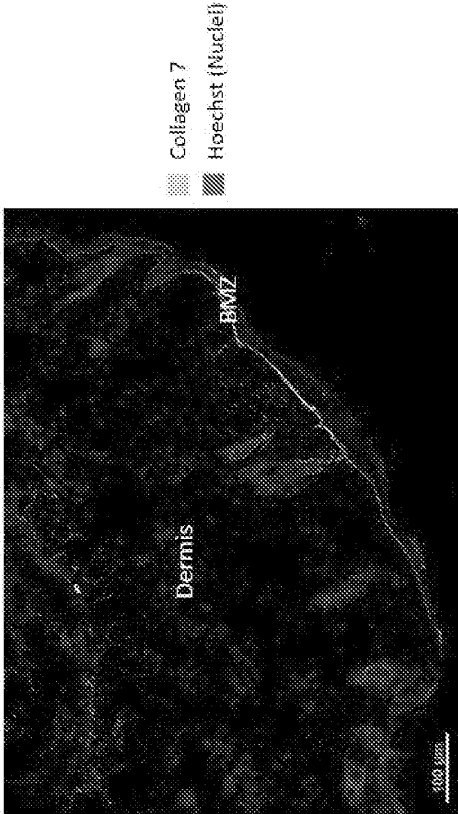


FIG. 10A

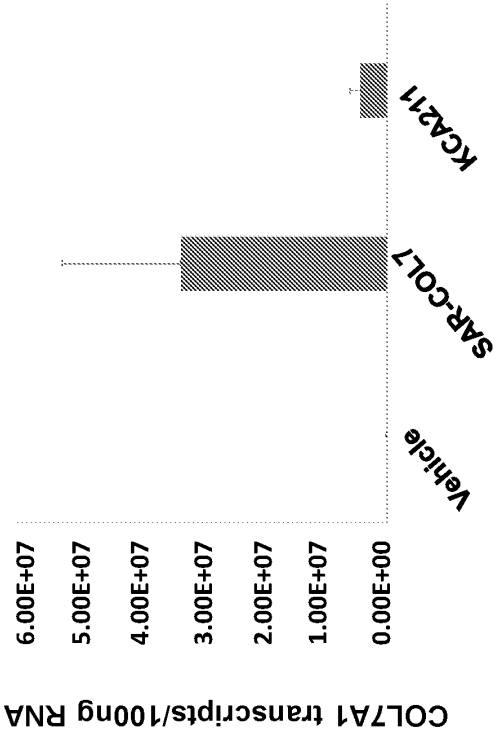


FIG. 10B

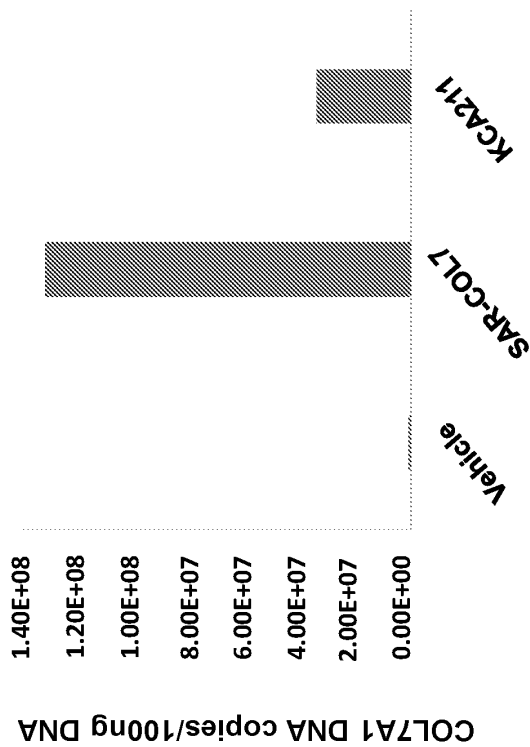


FIG. 11A

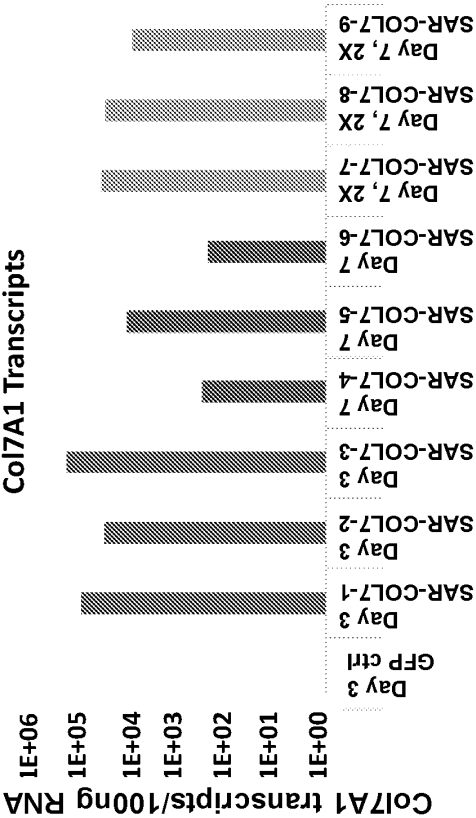
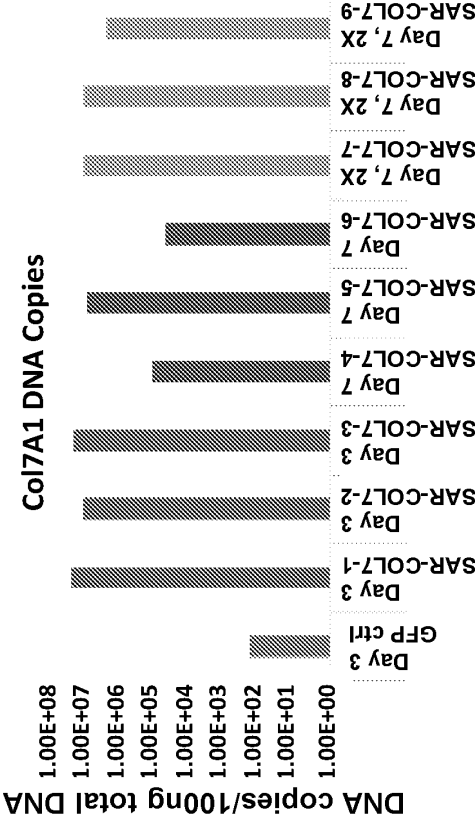


FIG. 11B



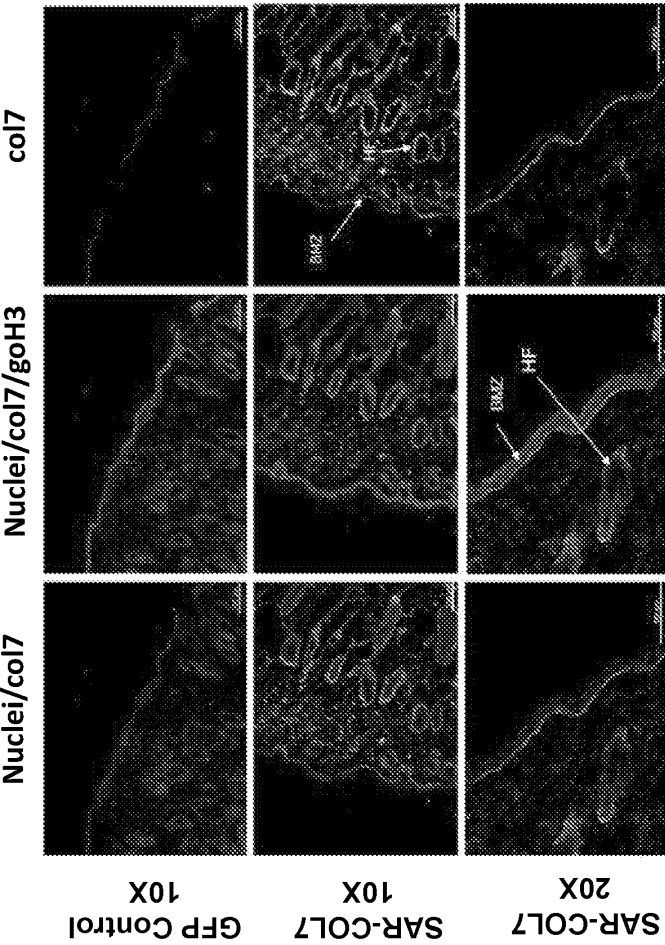


FIG. 12A

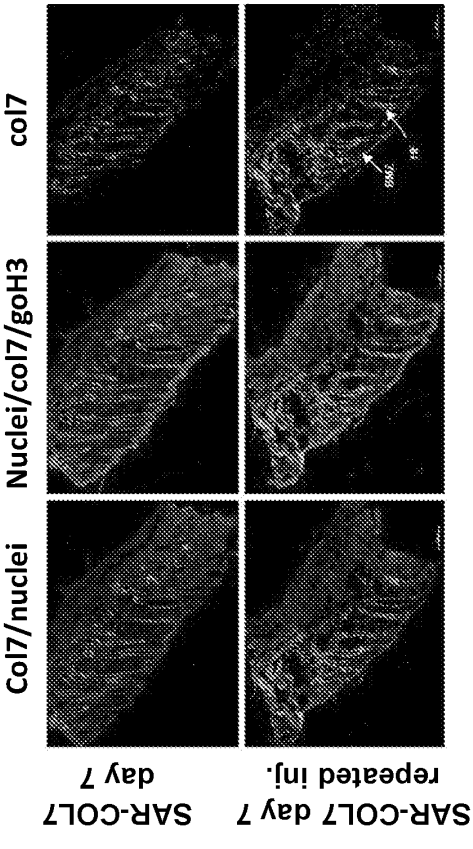


FIG. 12B

FIG. 13

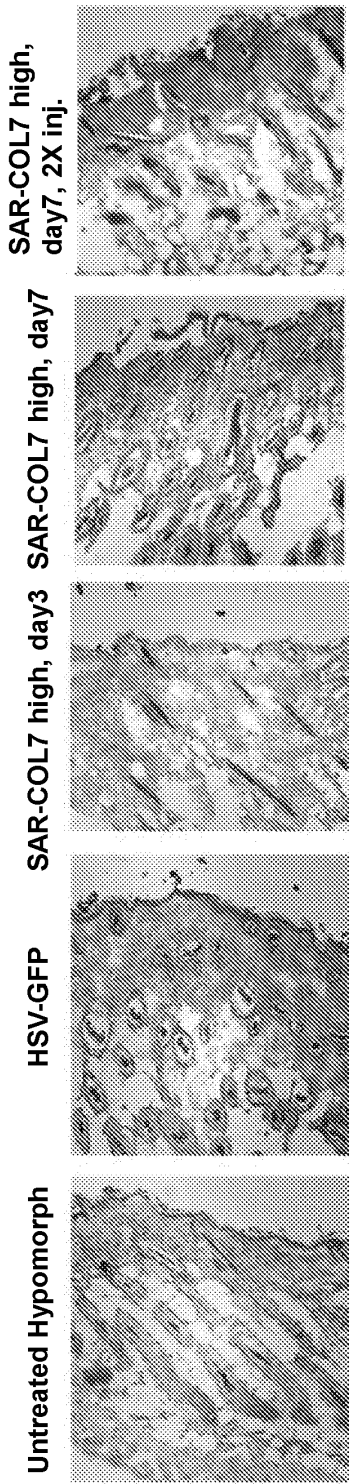


FIG. 14A

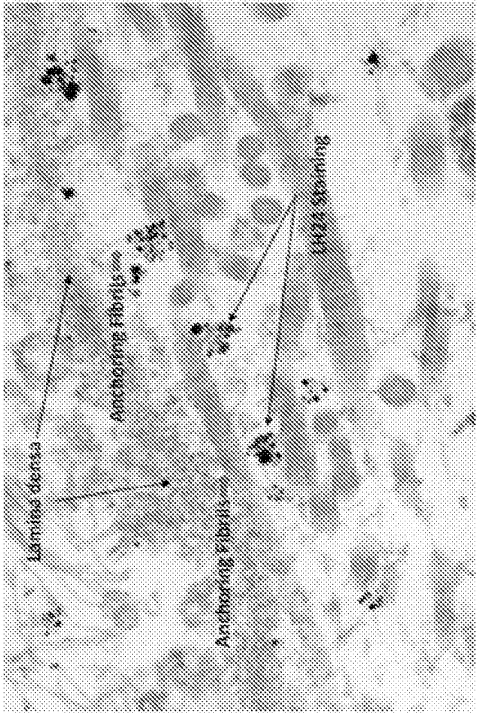


FIG. 14B

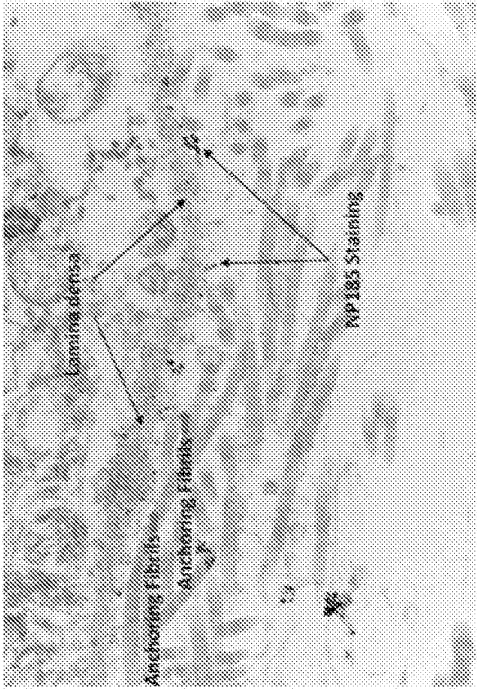


FIG. 15A

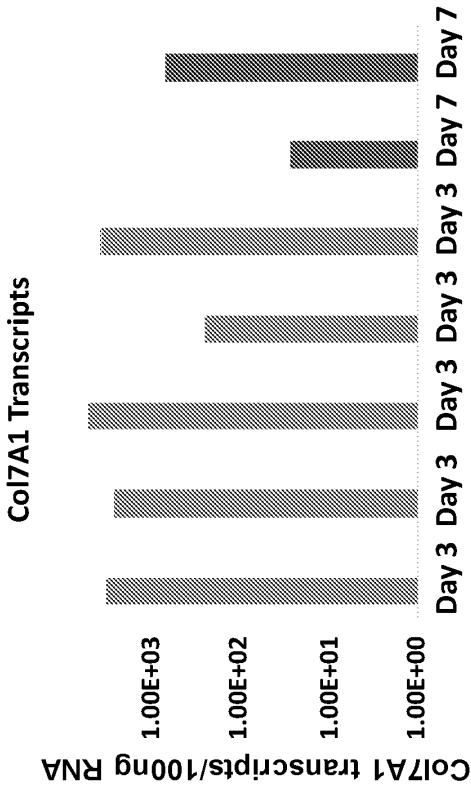


FIG. 15B

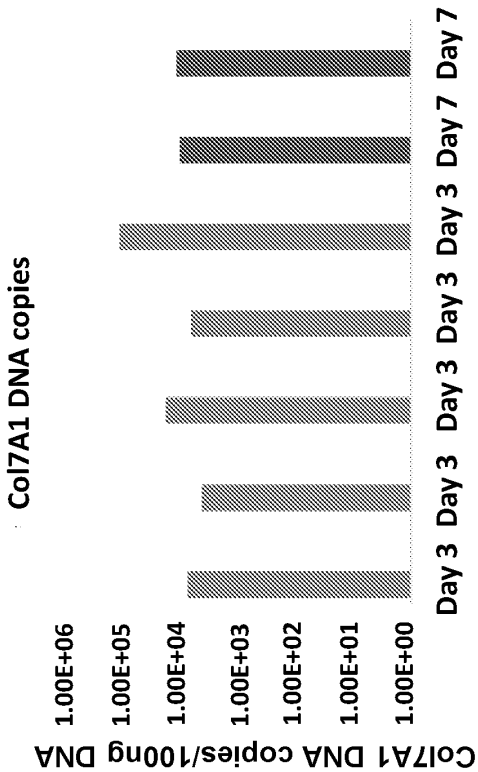


FIG. 16

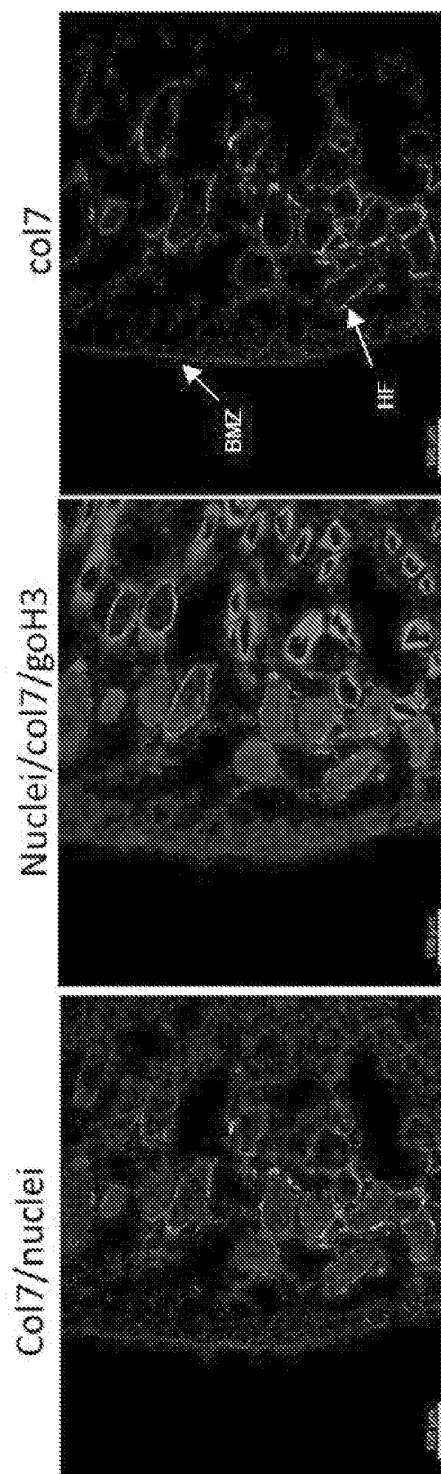


FIG. 17C

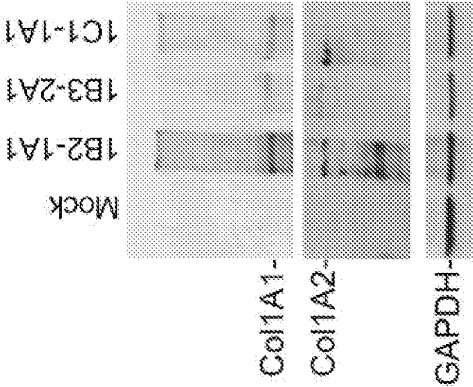


FIG. 18

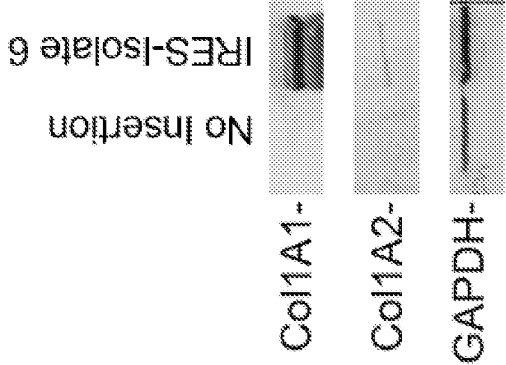


FIG. 17A

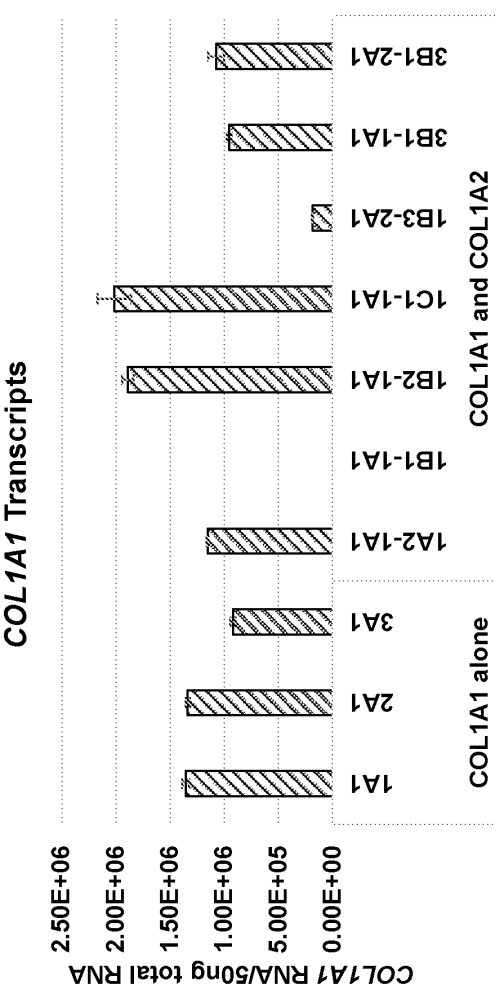


FIG. 17B

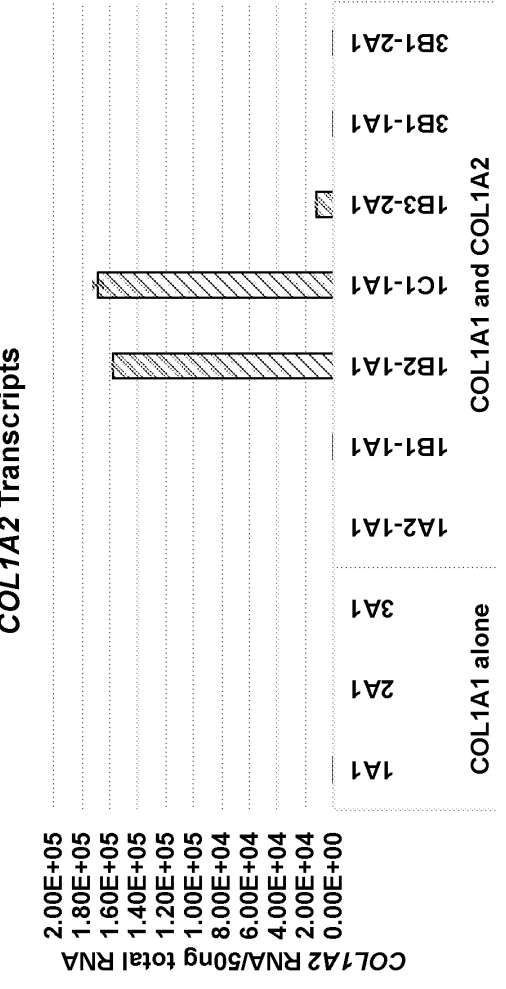


FIG. 19A

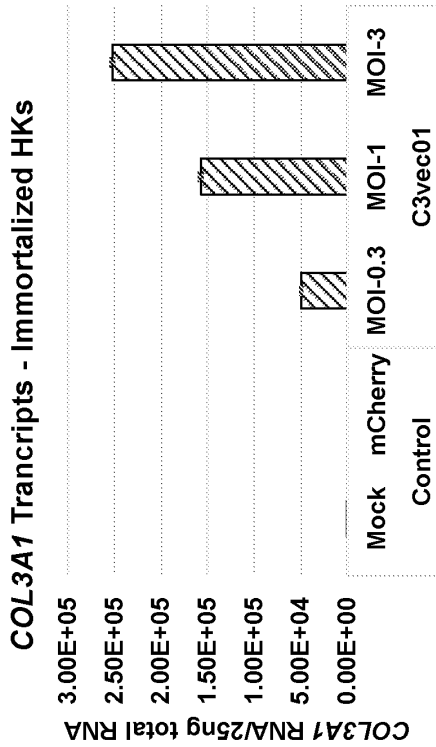


FIG. 19B

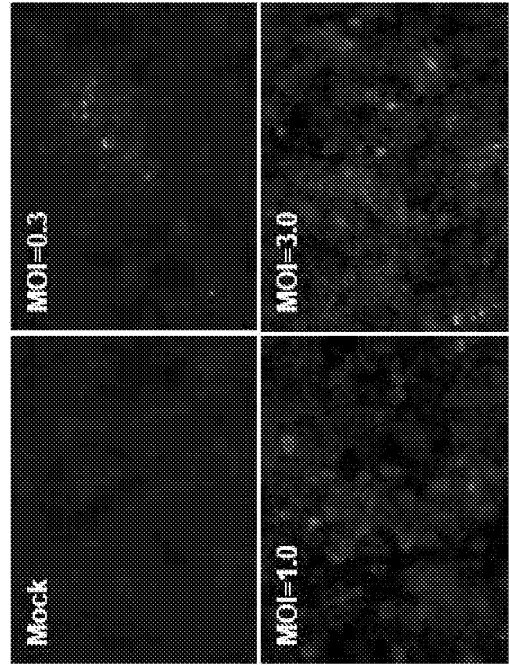


FIG. 20A

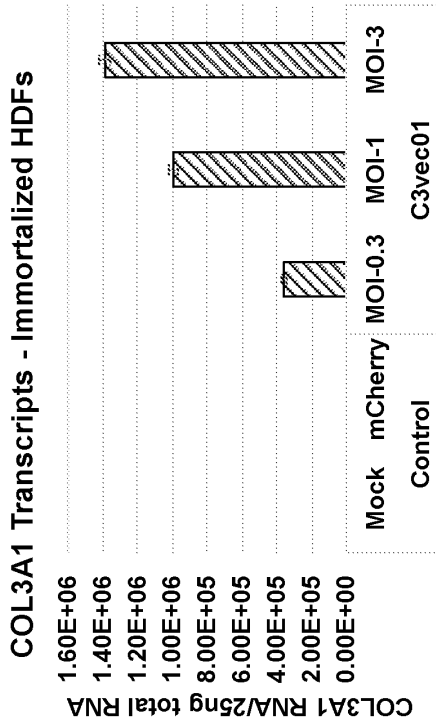


FIG. 20B

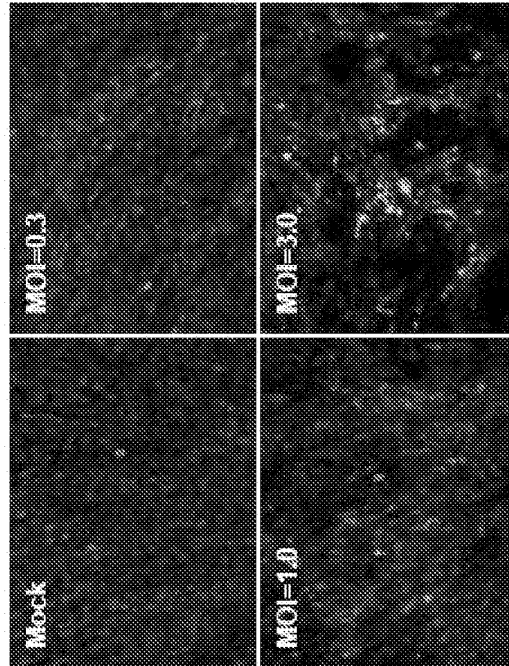


FIG. 21A
COL3A1 Transcripts - Primary HDFs

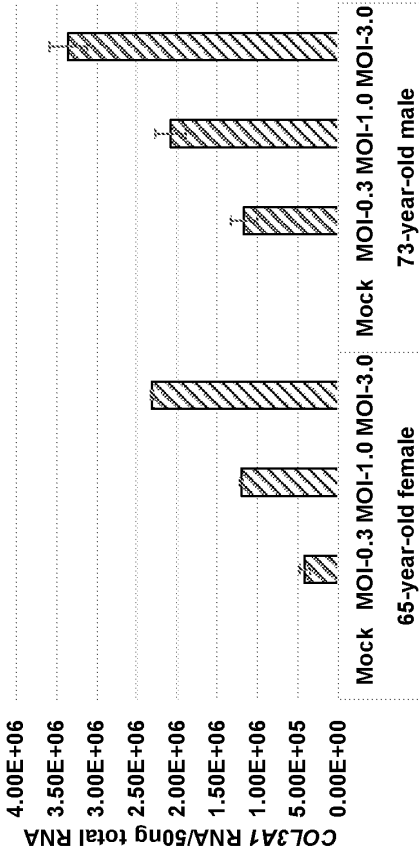


FIG. 21B

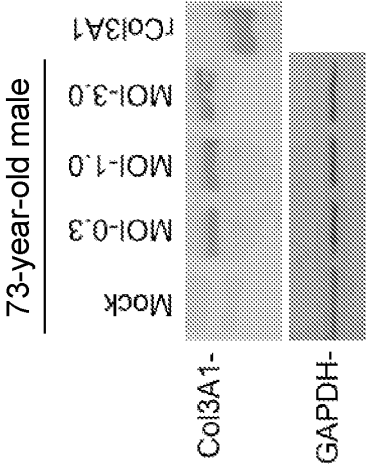


FIG. 21C
COL3A1 Transcripts - Primary HDFs

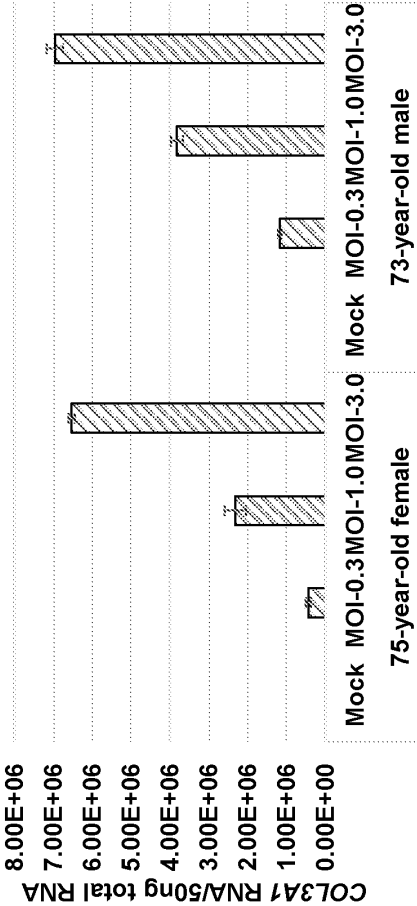


FIG. 21D

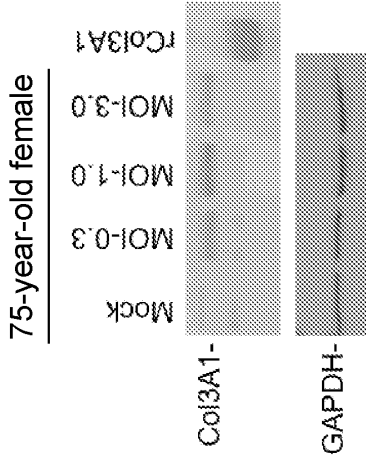


FIG. 22A
Secreted Human COL3

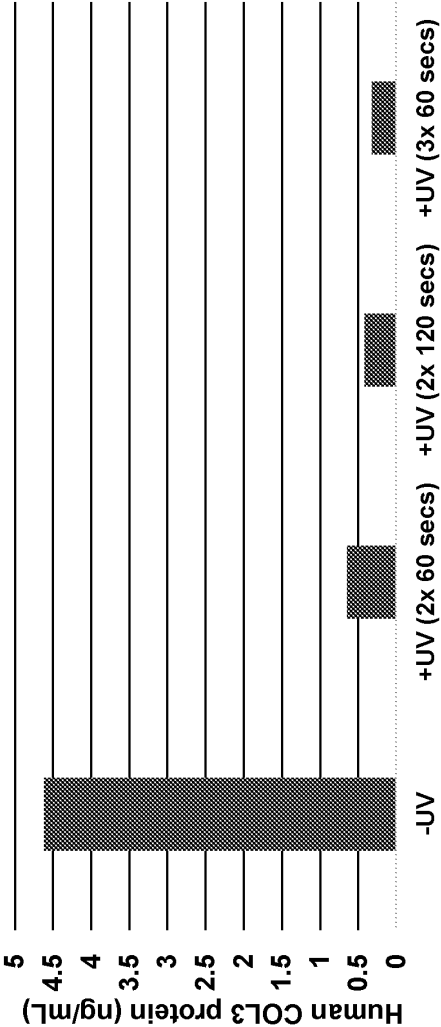
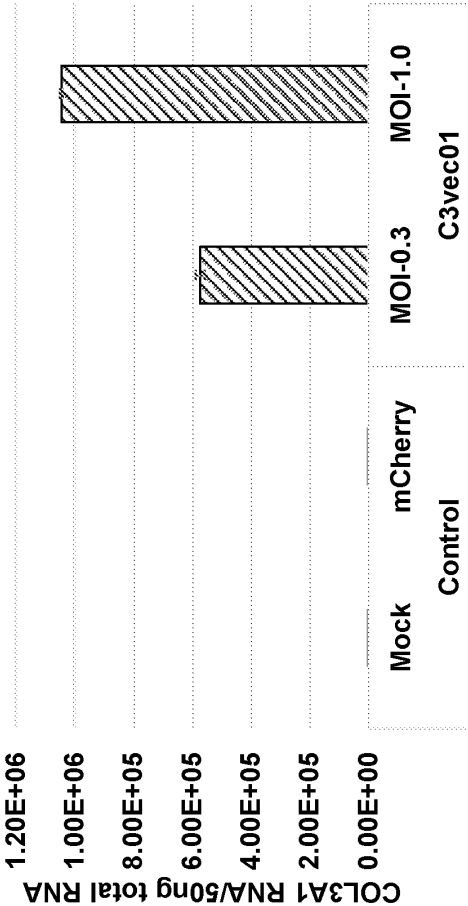


FIG. 22B
COL3A1 Transcripts - UV-damaged HDFs



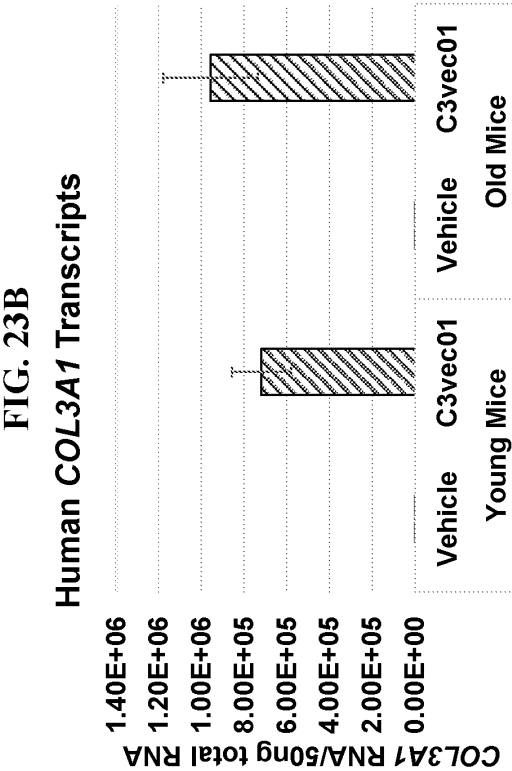
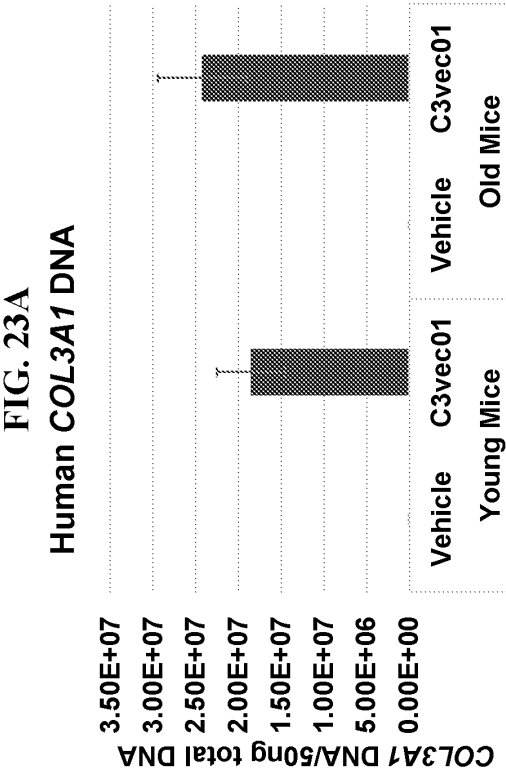


FIG. 23C

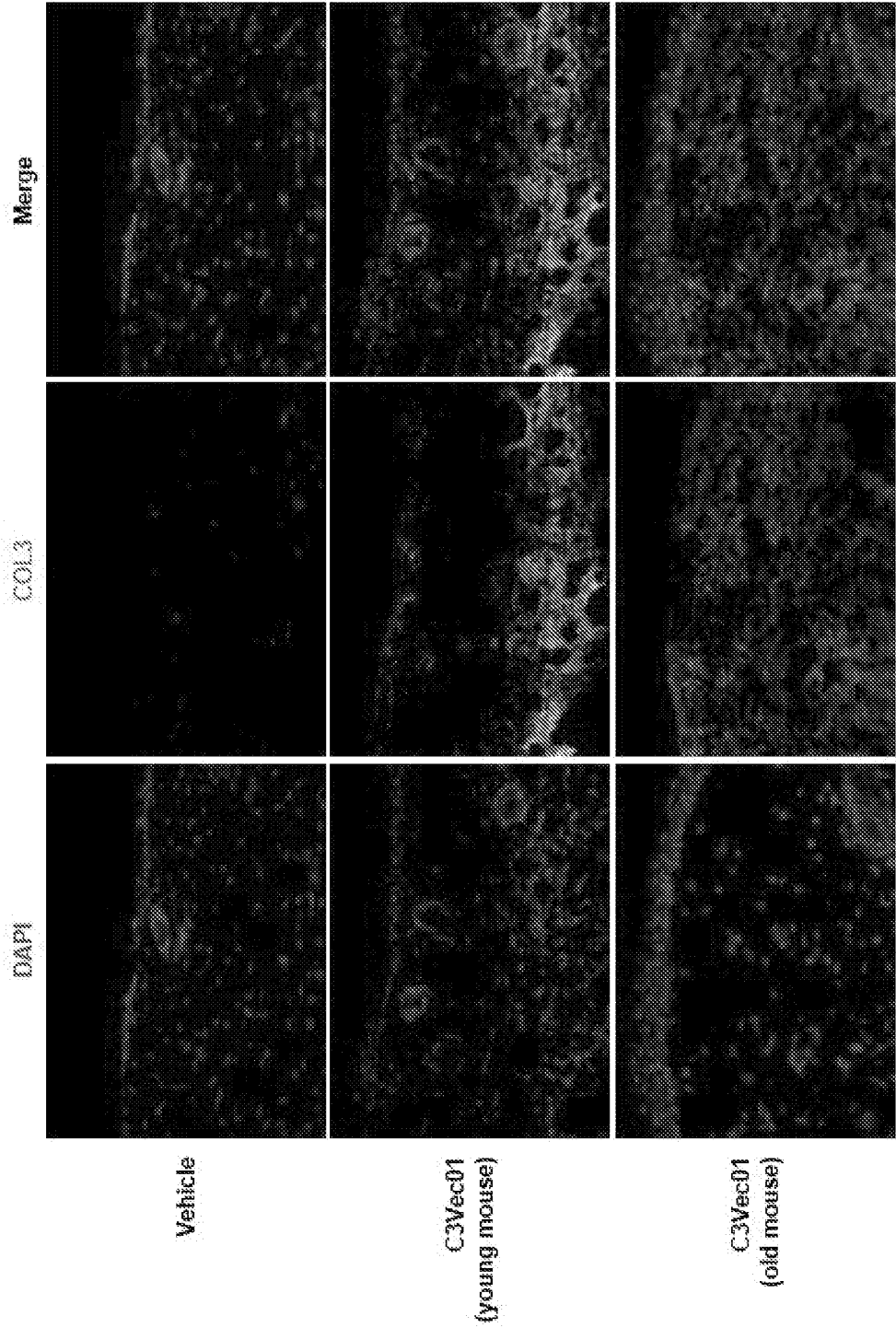


FIG. 24A

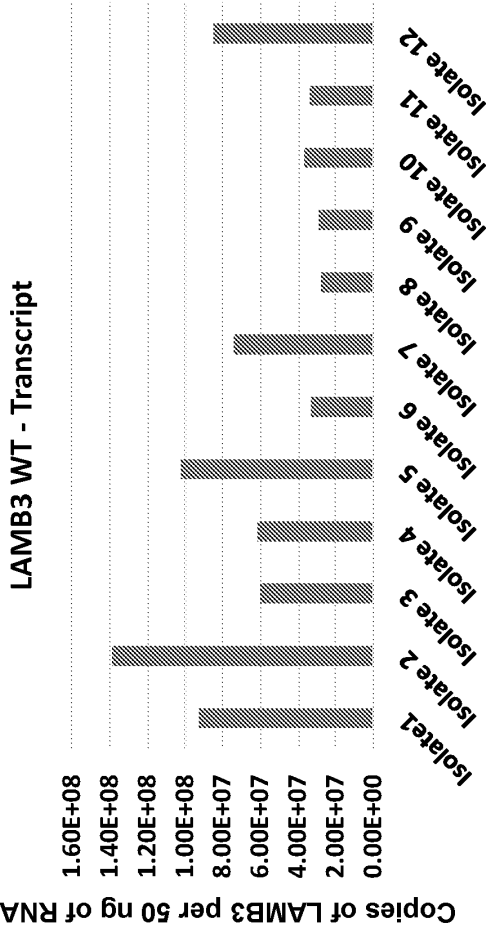


FIG. 24B

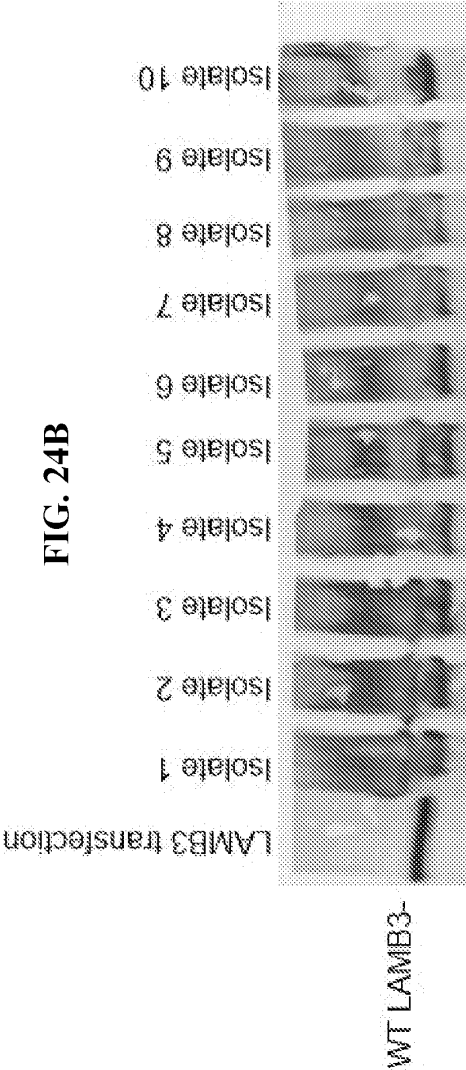


FIG. 25

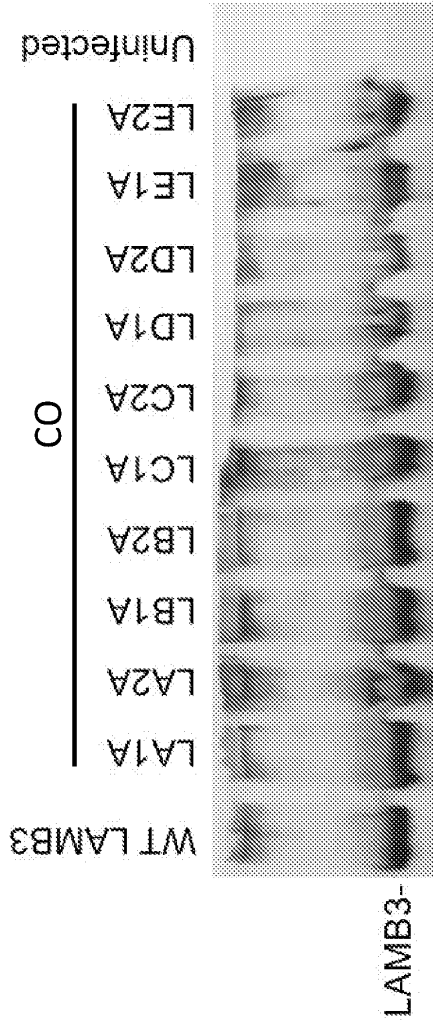


FIG. 26

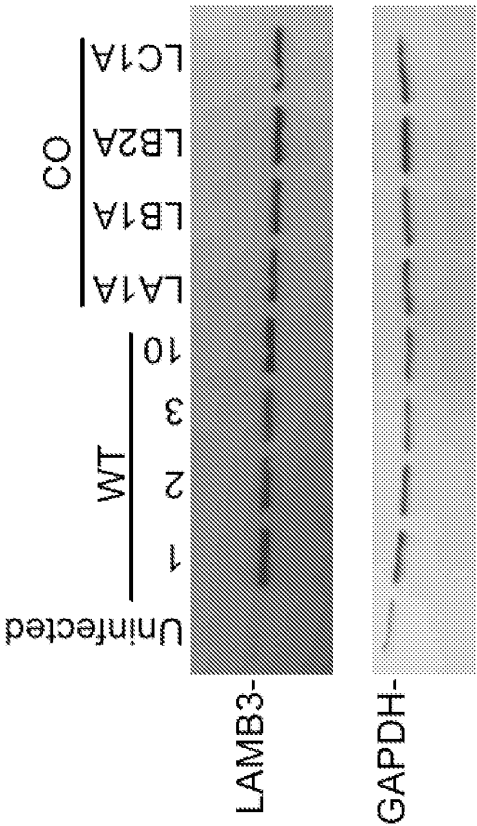


FIG. 27B

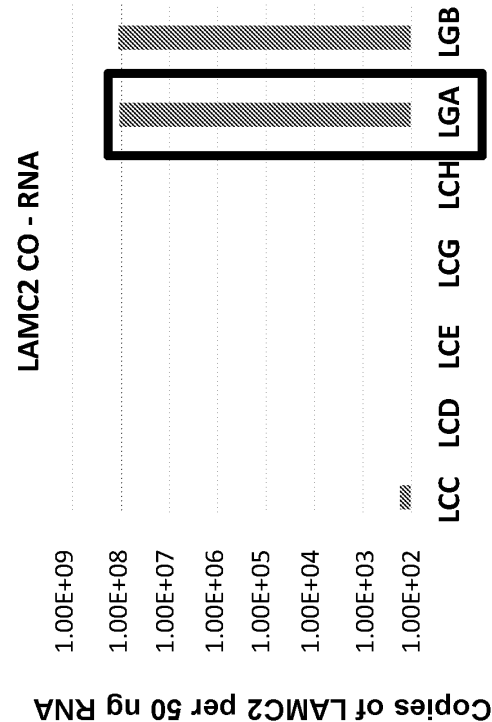


FIG. 27A

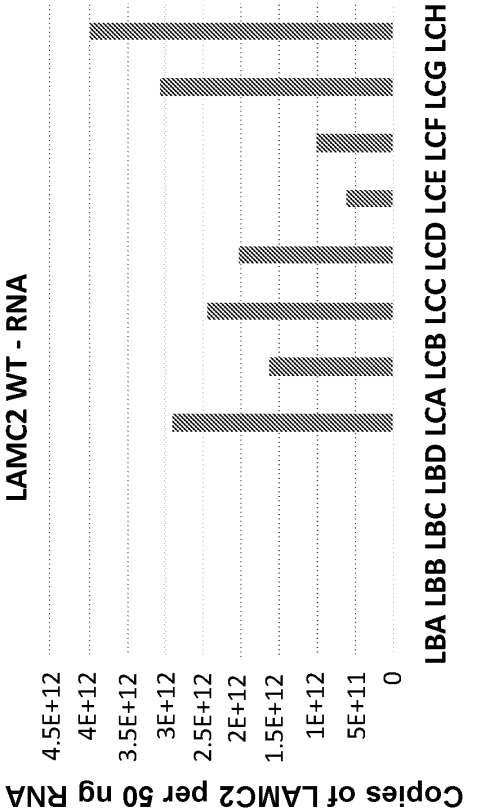


FIG. 27C

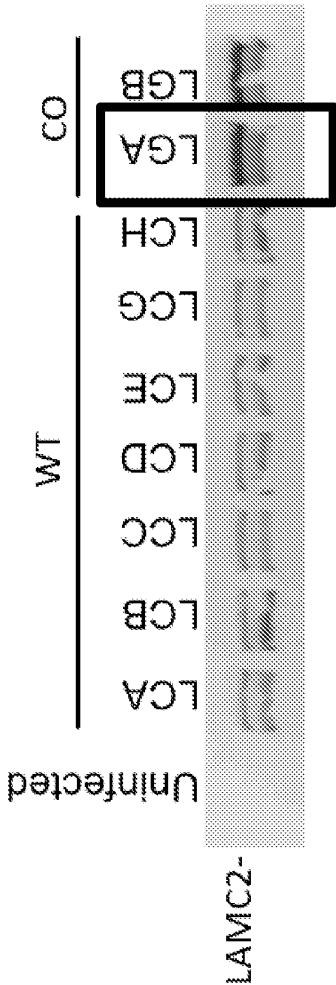


FIG. 28A

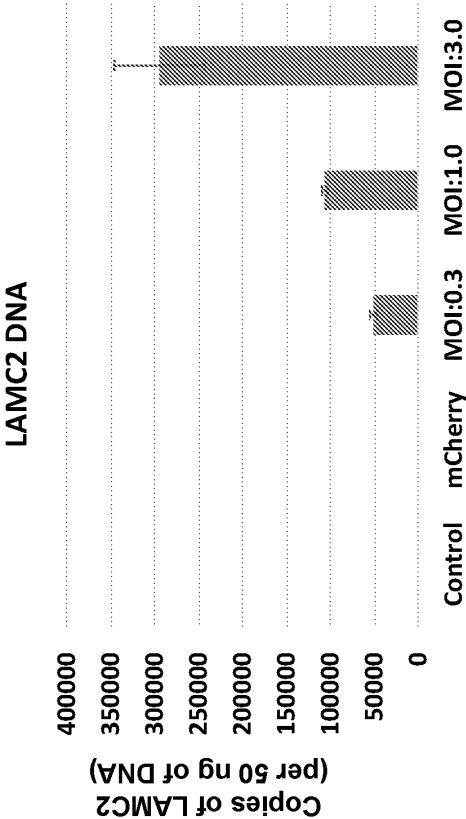


FIG. 28B

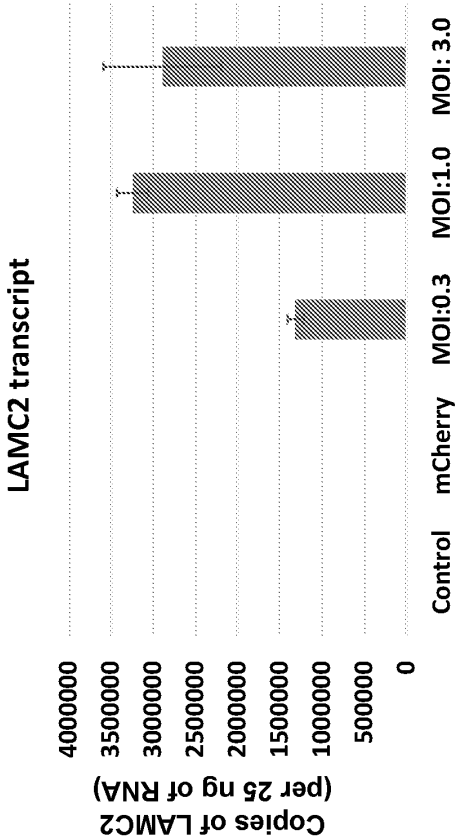


FIG. 28C

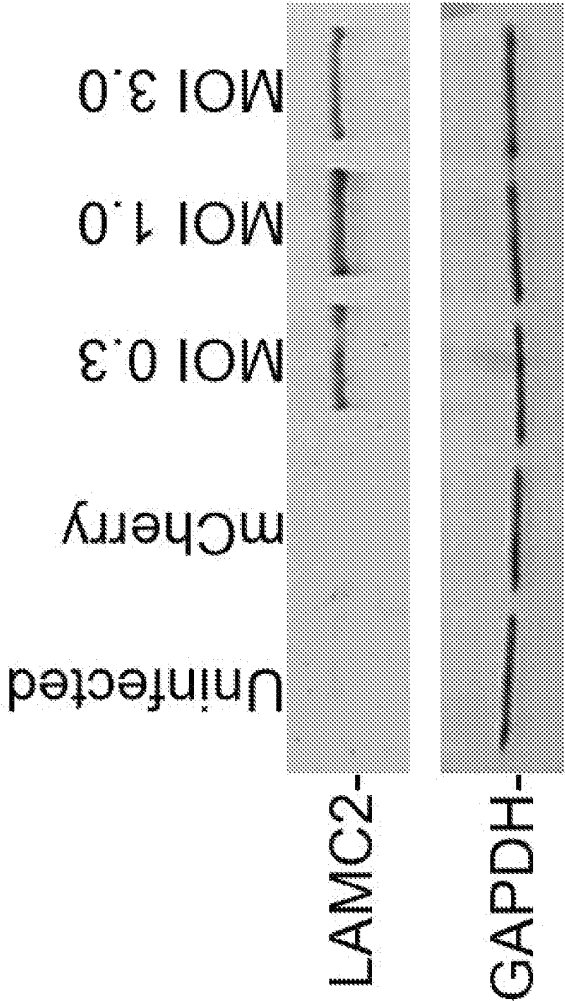
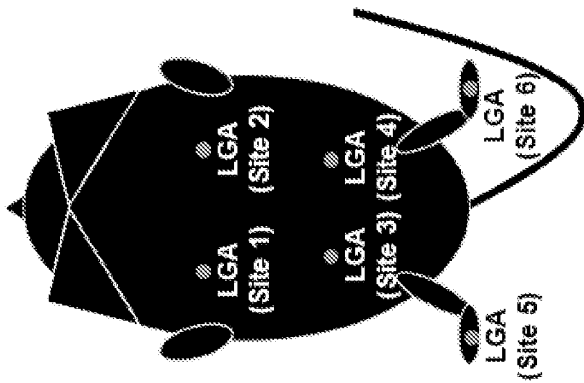


FIG. 29A

Mouse #1



Mouse #2

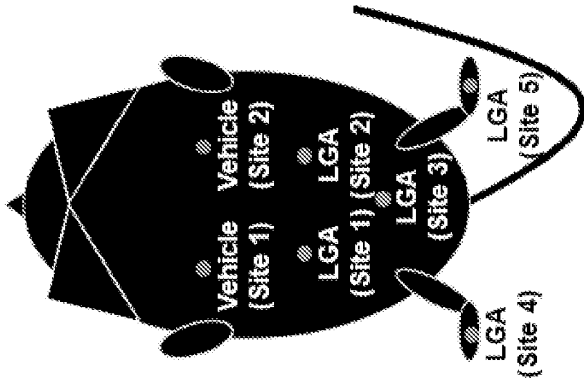


FIG. 29B

LAMC2 DNA - Dorsal Skin

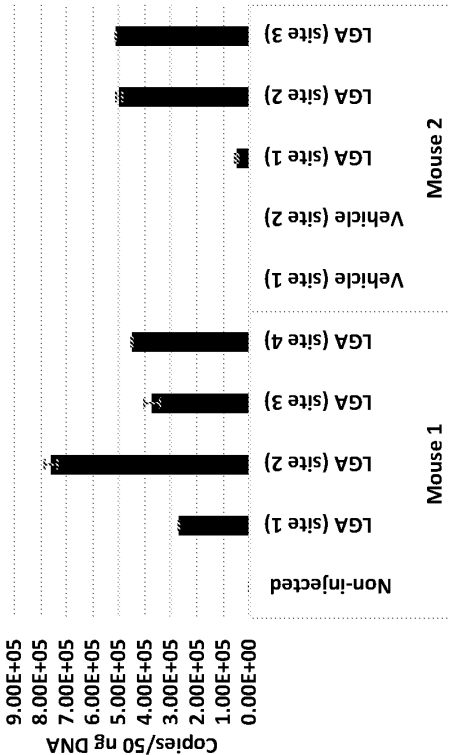


FIG. 29C

LAMC2 RNA - Dorsal Skin

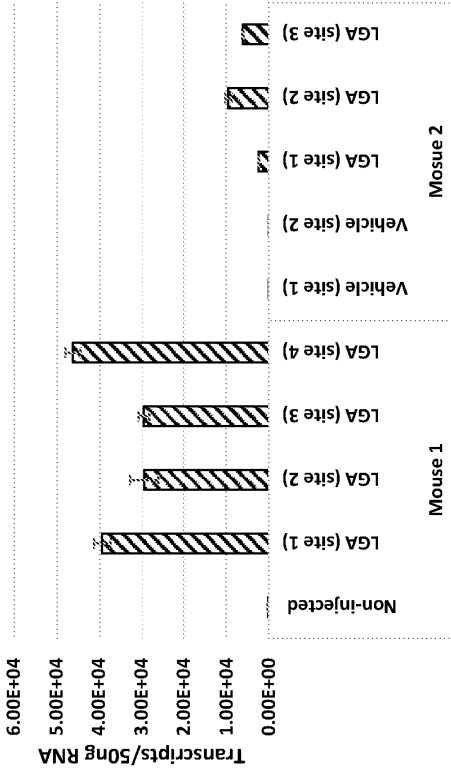


FIG. 29D

