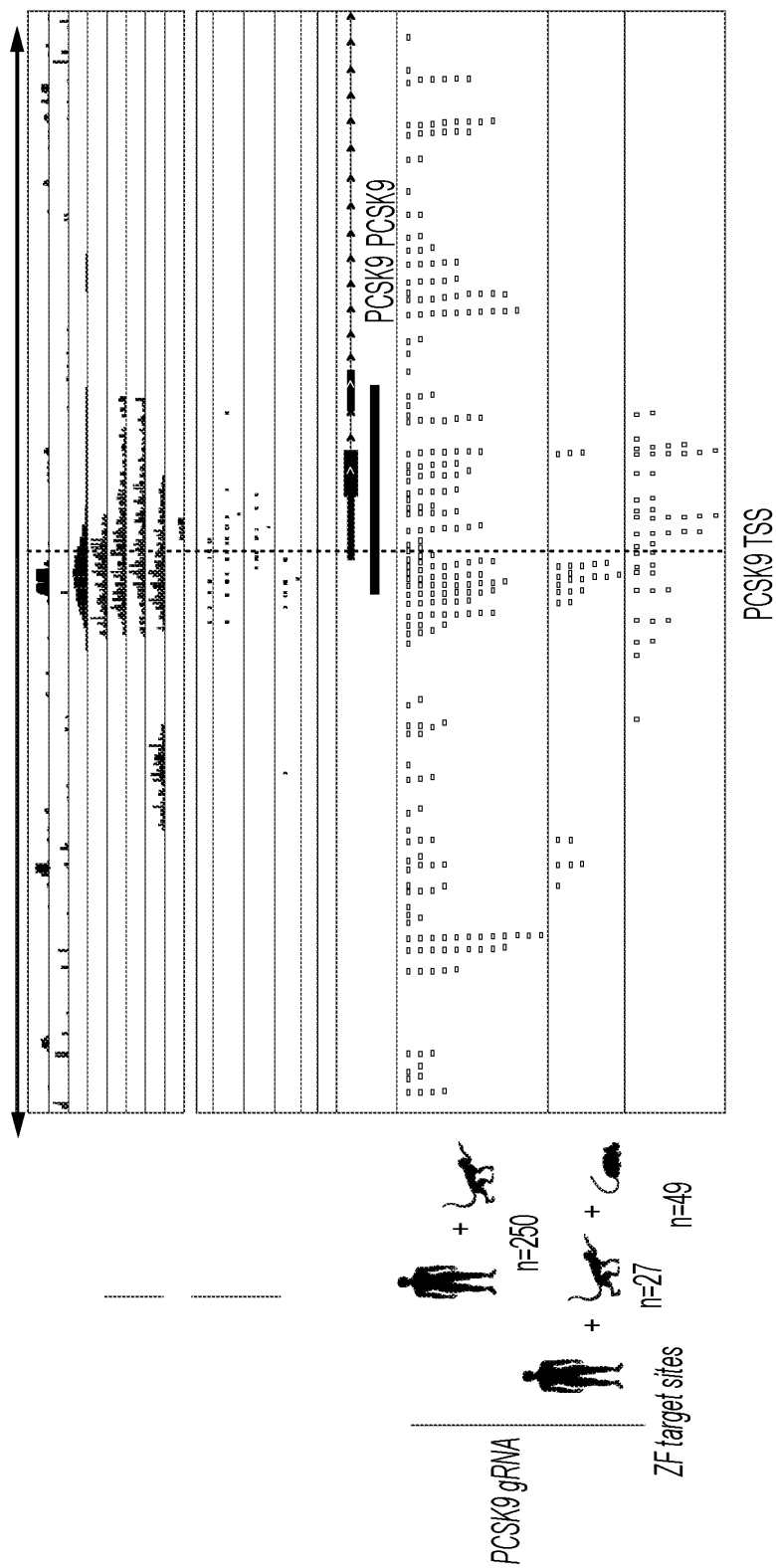
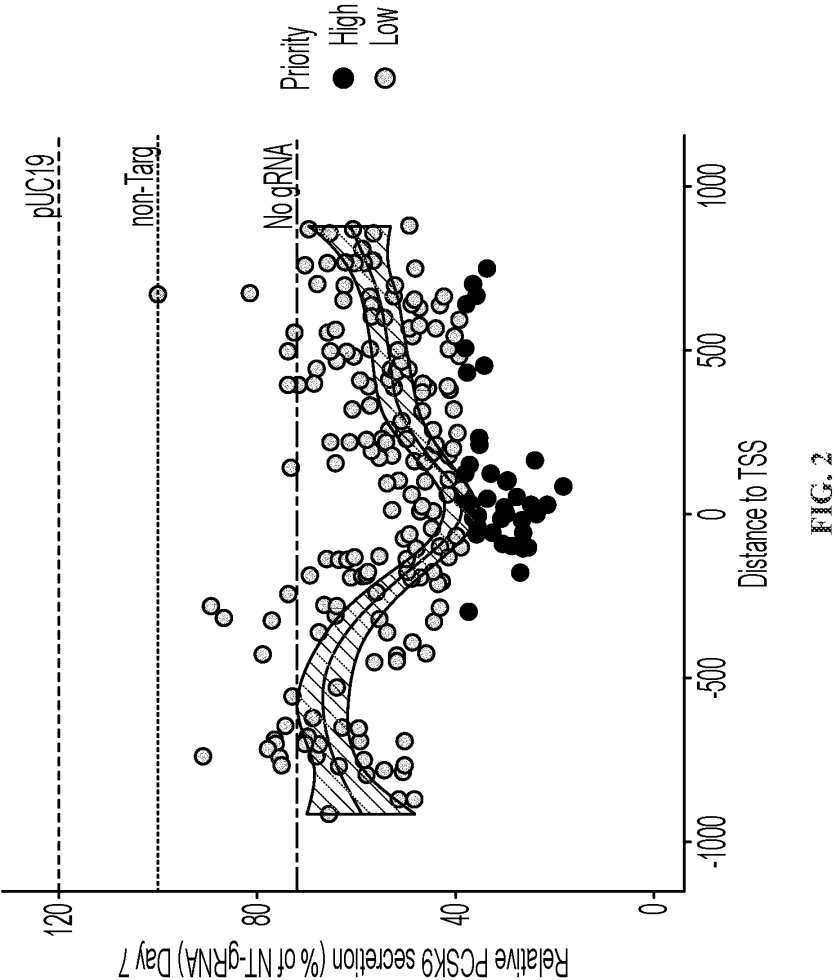






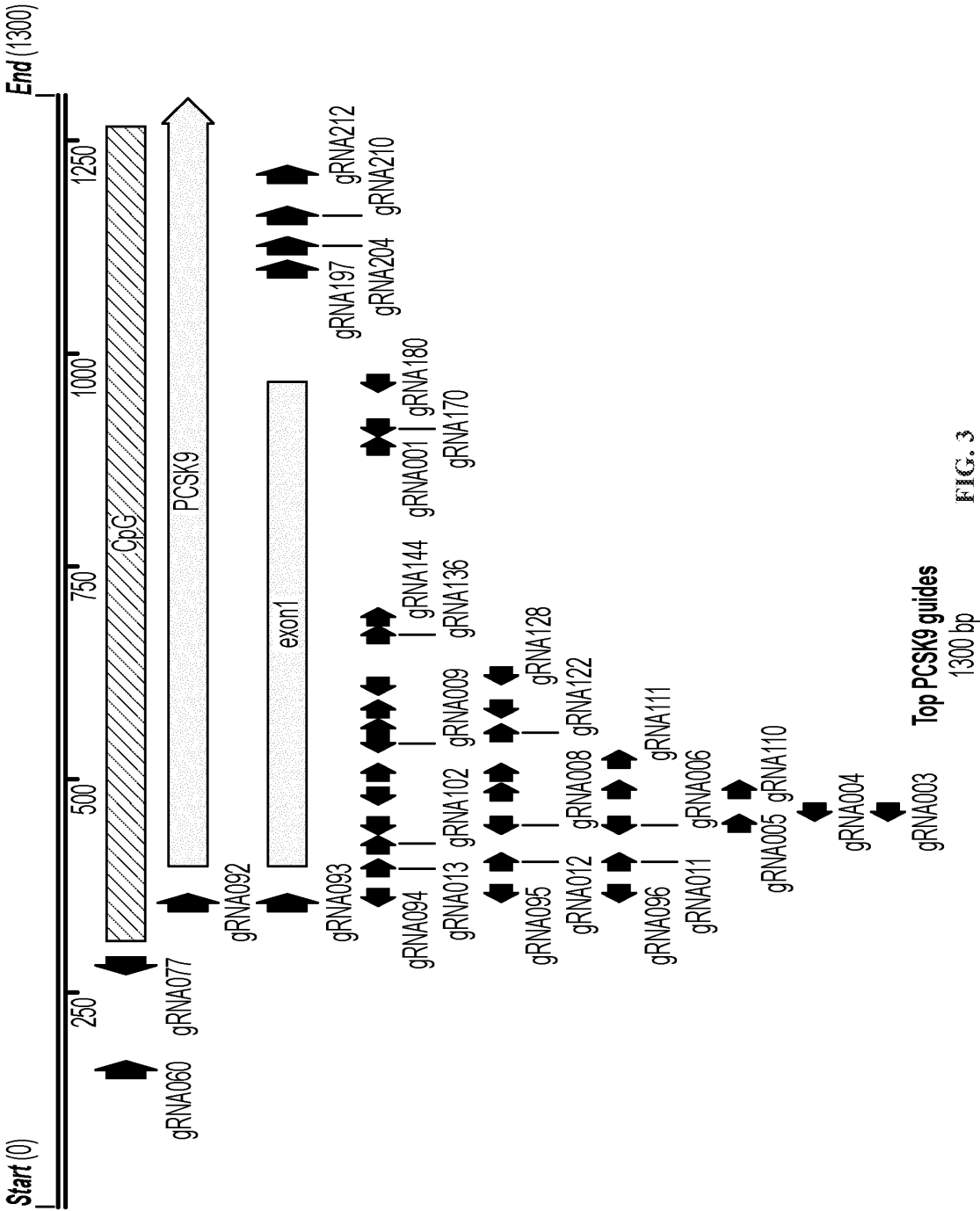


FIG. 3

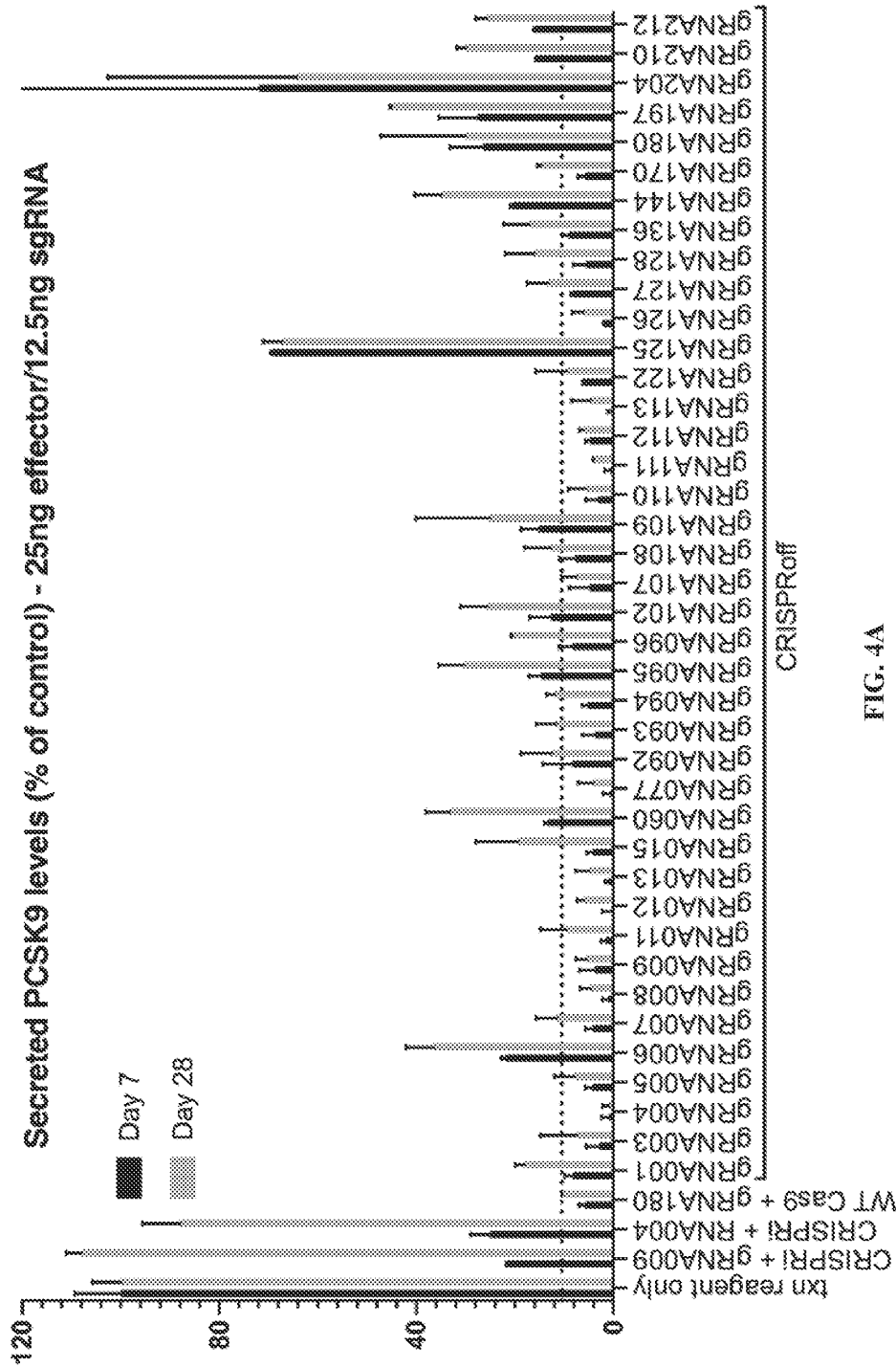


FIG. 4A

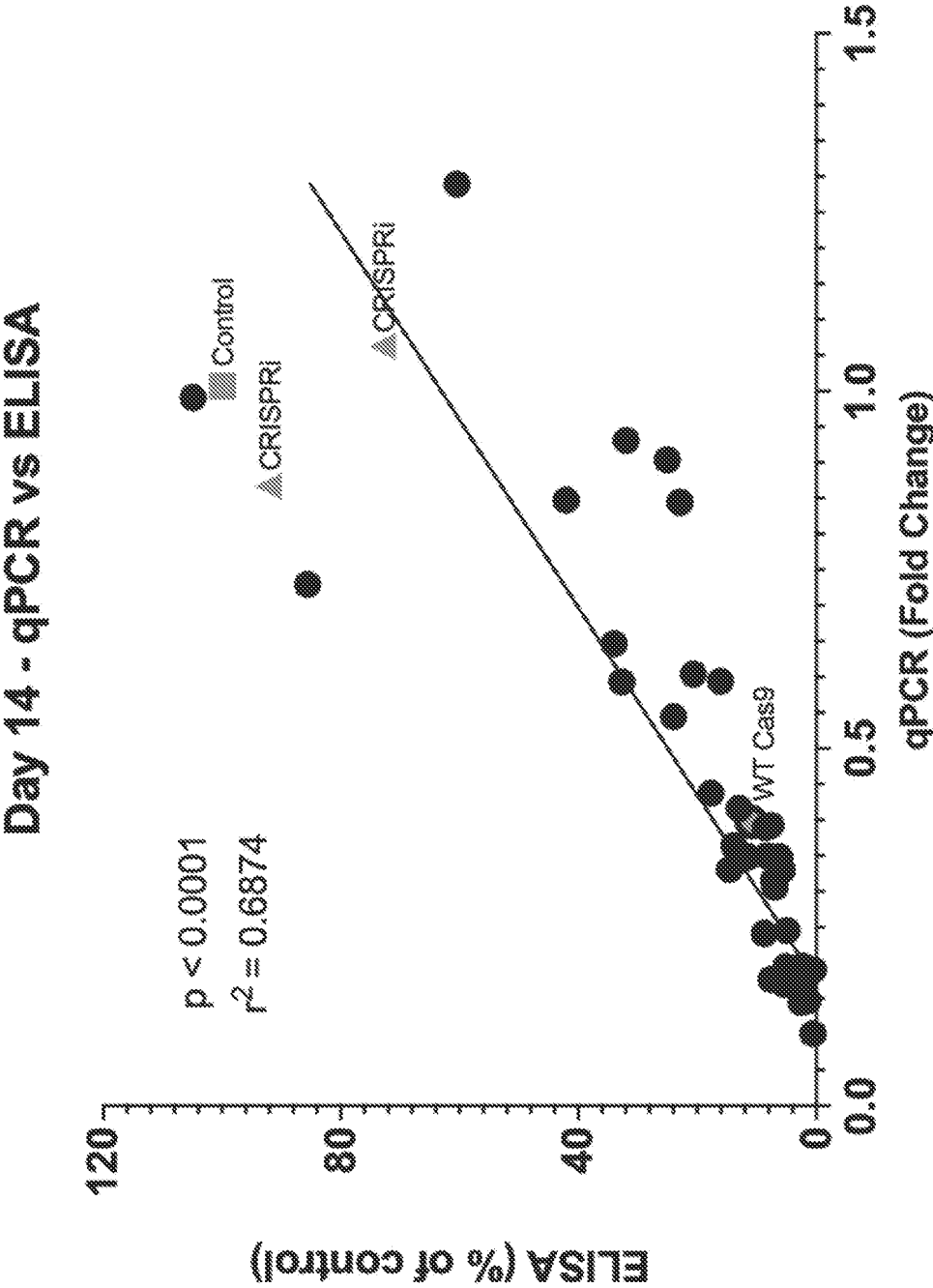


FIG. 4B

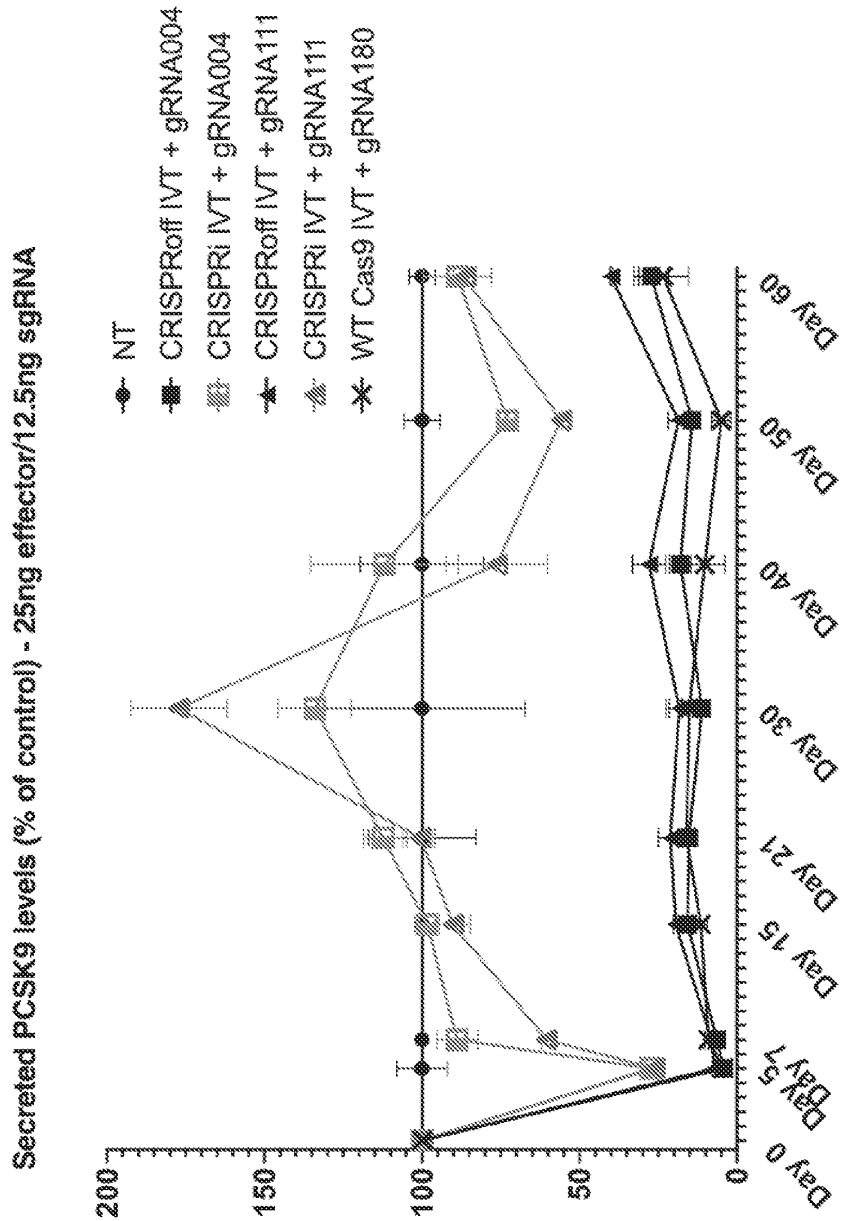


FIG. 5

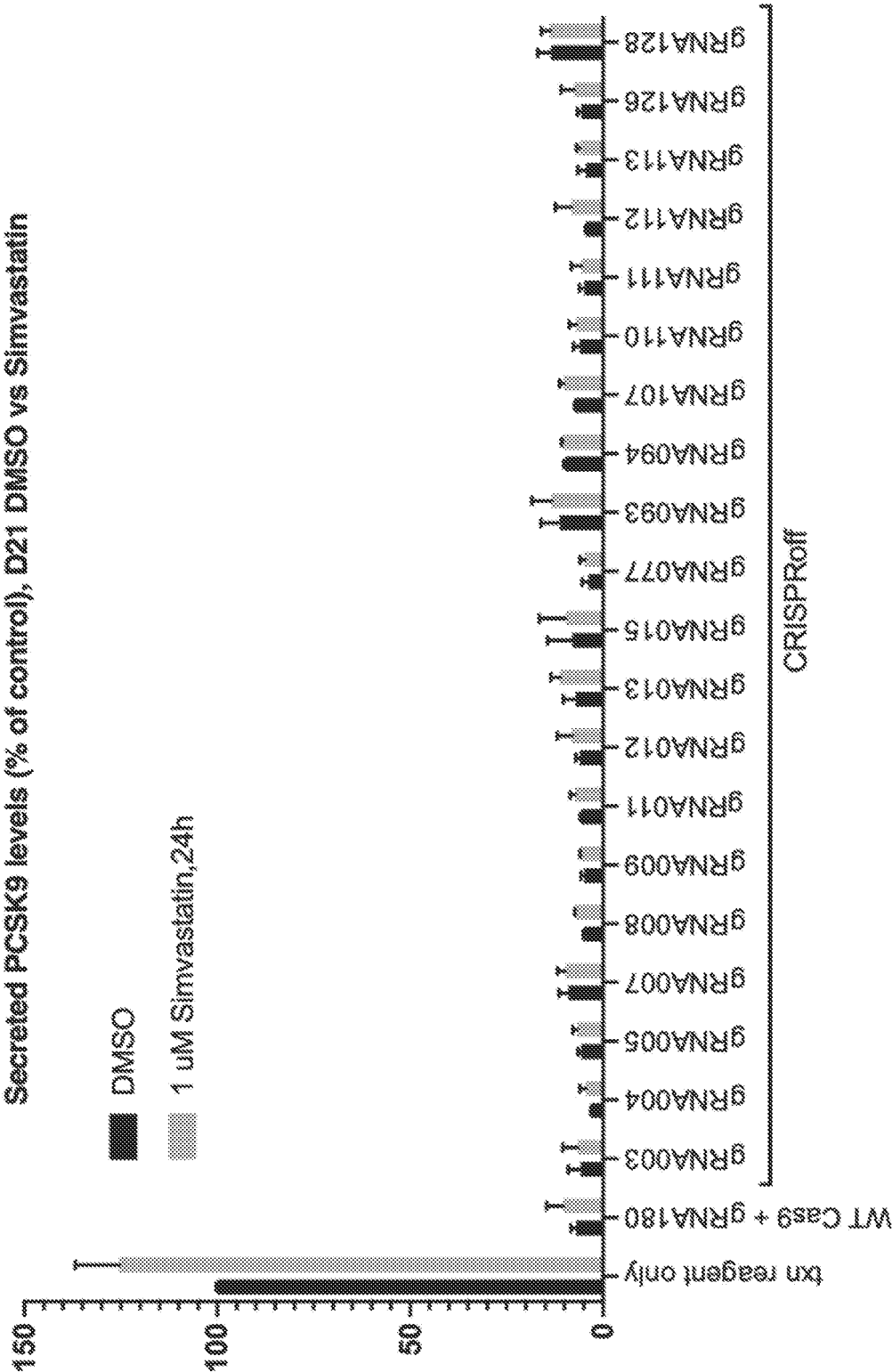


FIG. 6

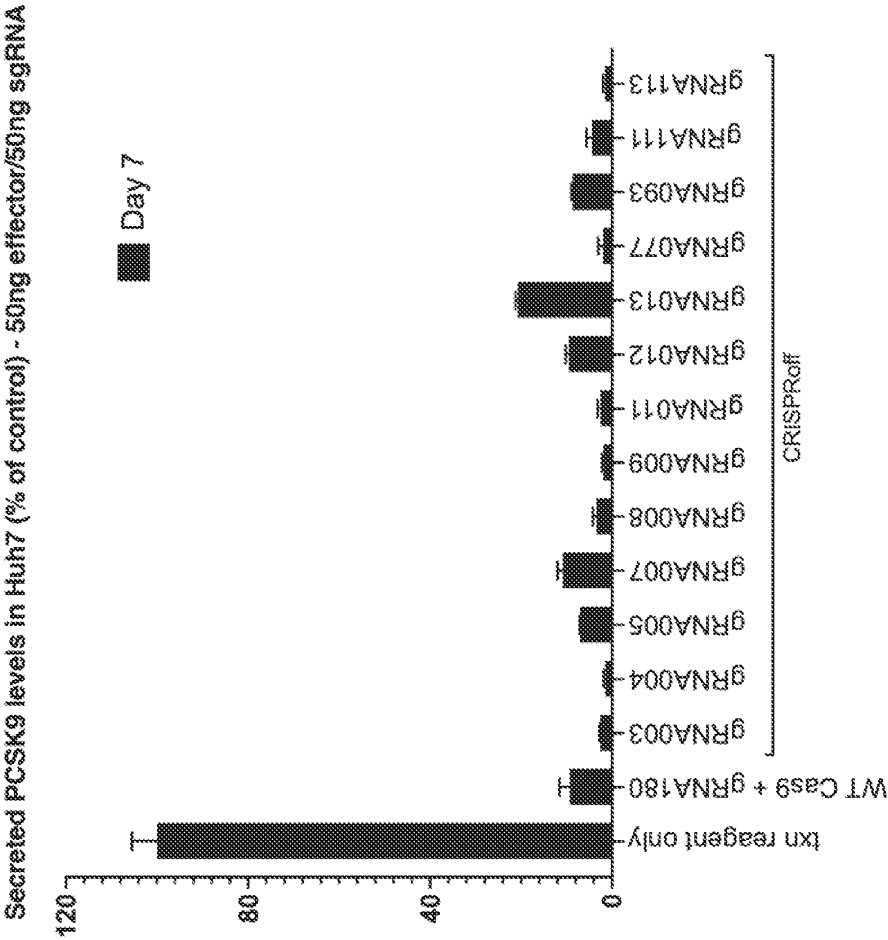


FIG. 7

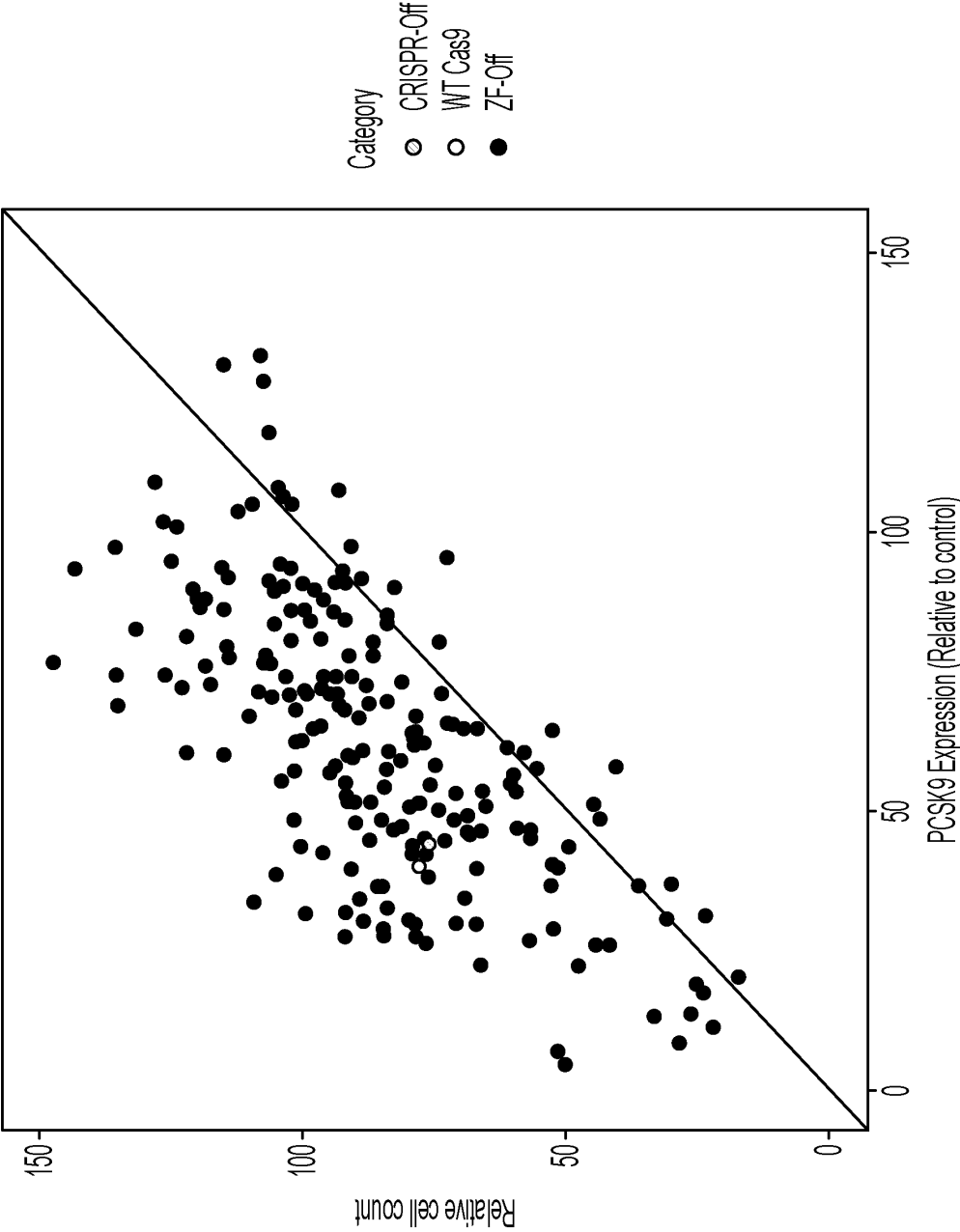


FIG. 8

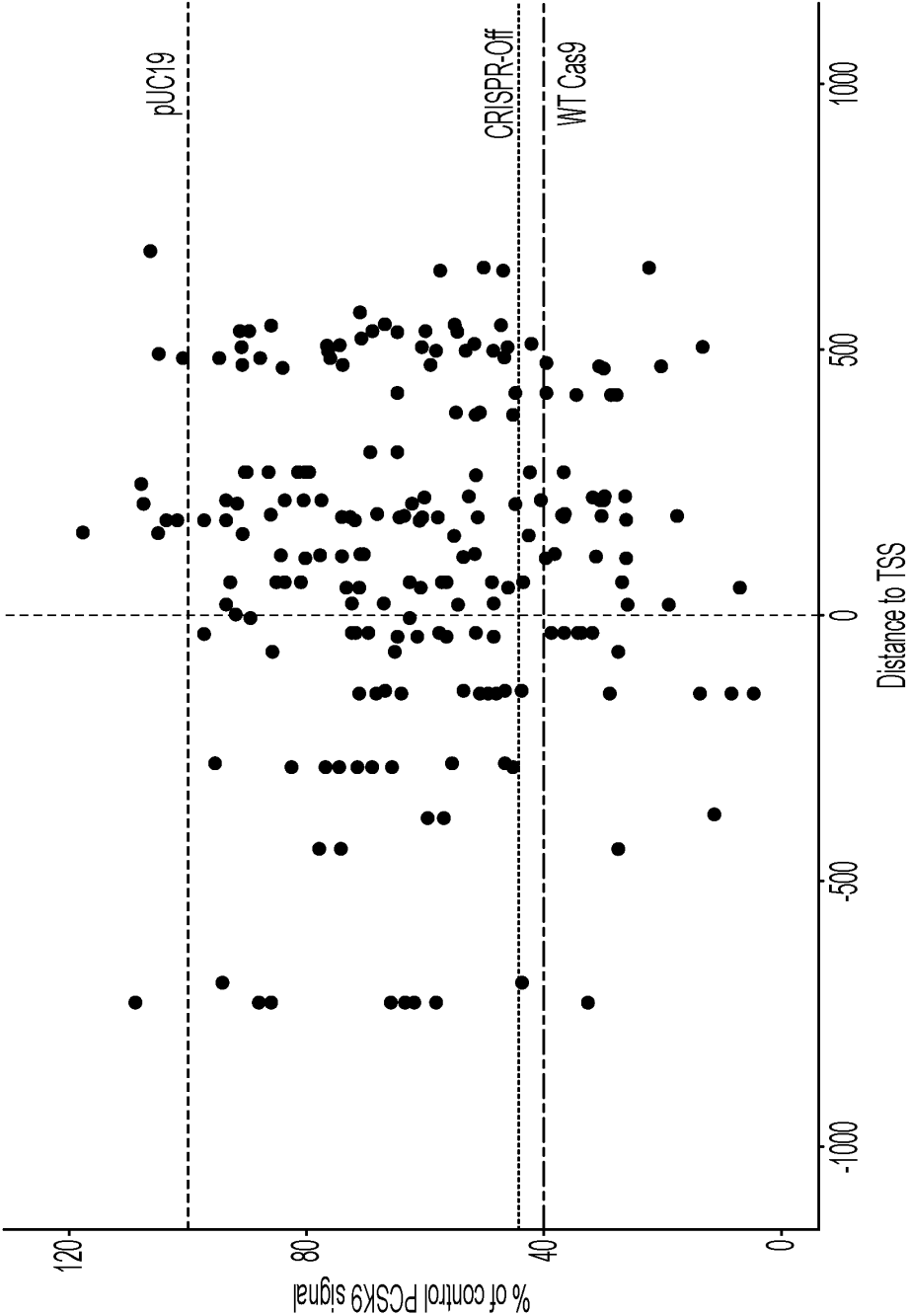
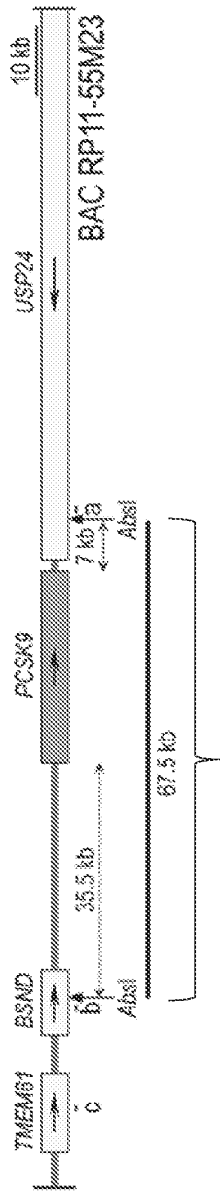


FIG. 9



67.5 kb DNA fragment expressed in transgenic mouse line

FIG. 10

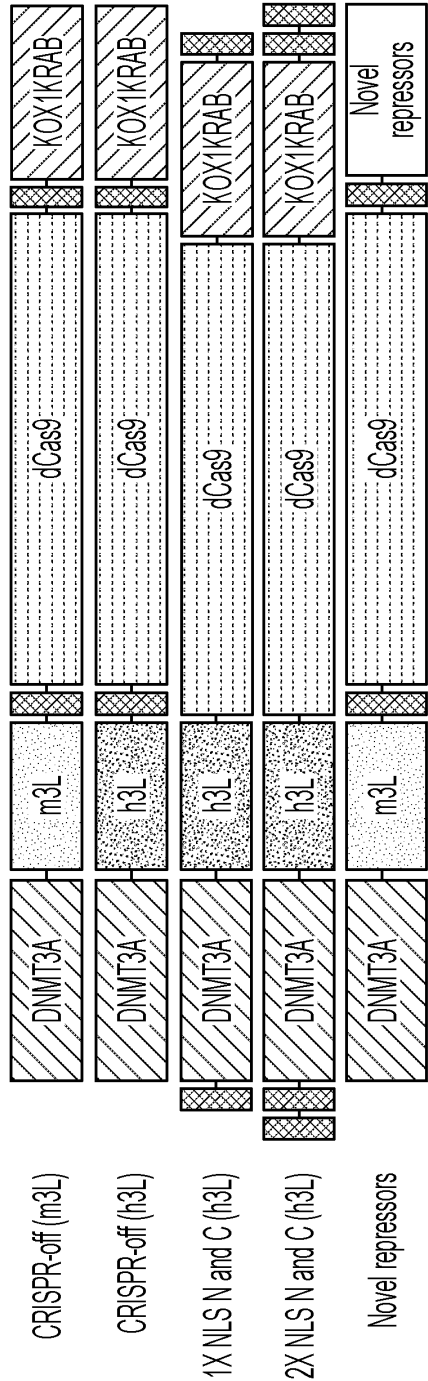


FIG. 11A

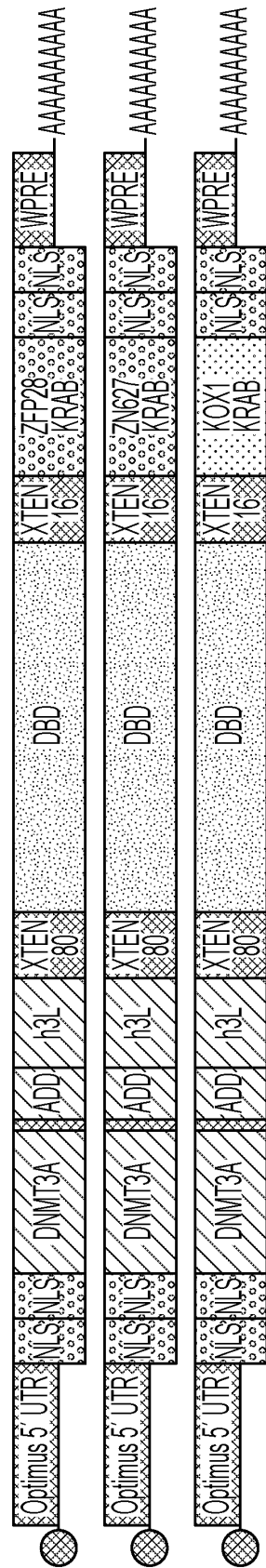


FIG. 11B

12.5ng effector, 6.25ng gRNA004

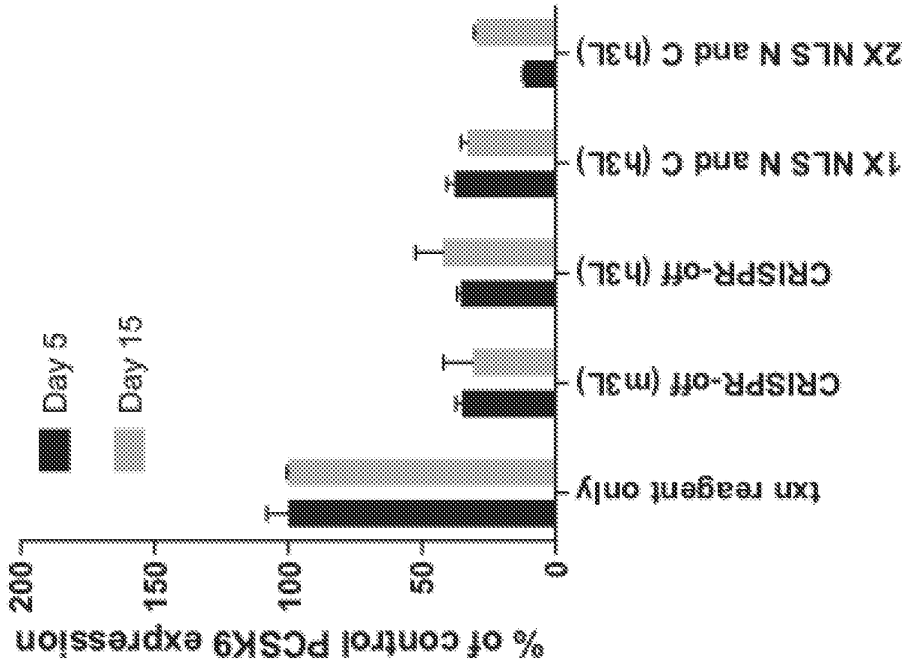


FIG. 12A

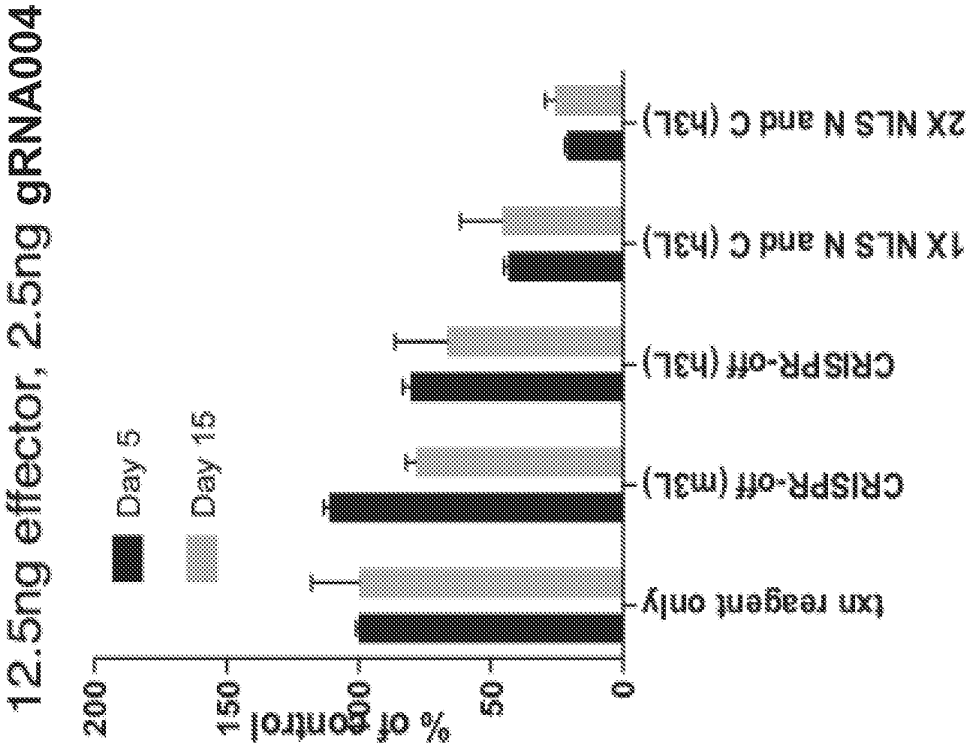


FIG. 12B

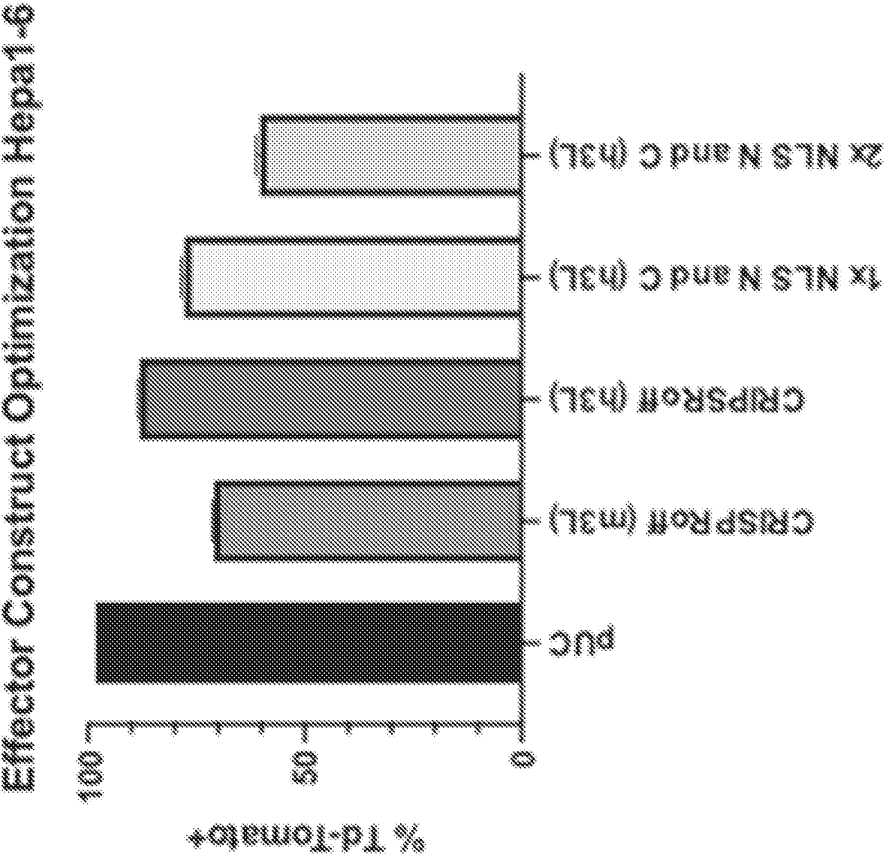


FIG. 13

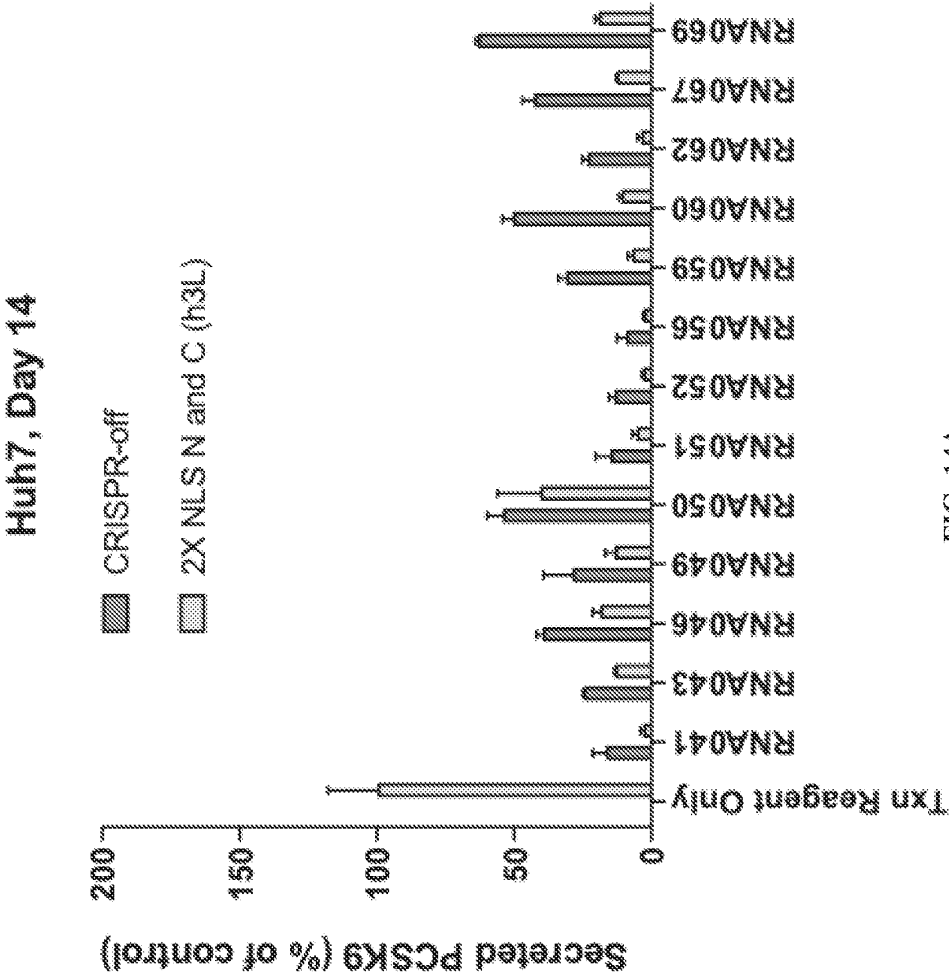


FIG. 14A

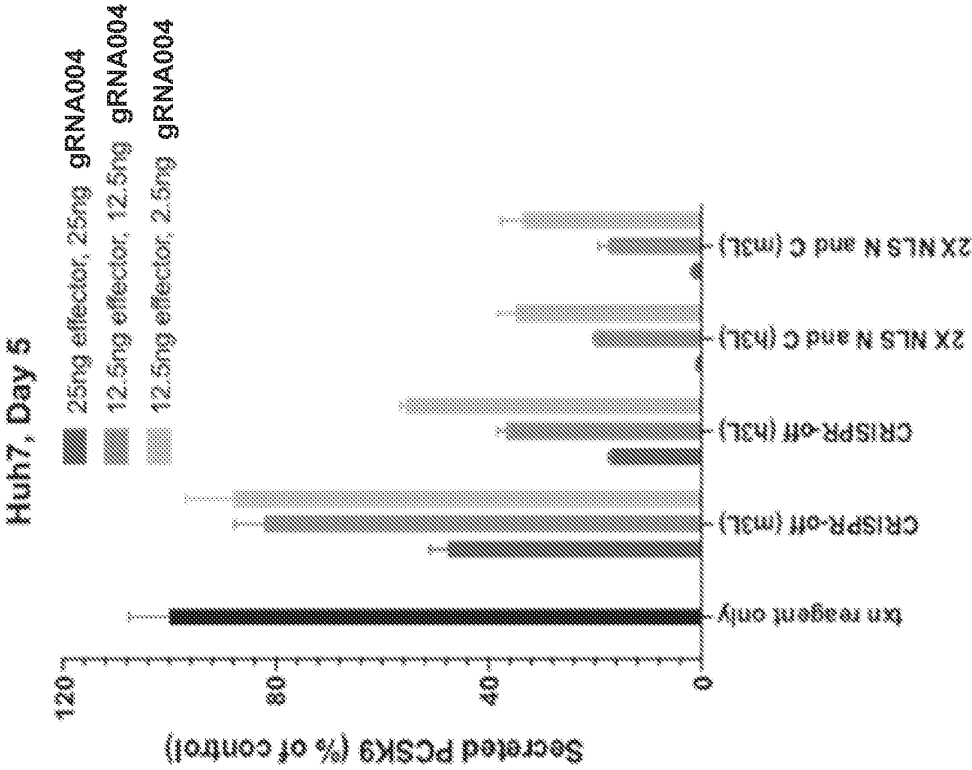


FIG. 14B

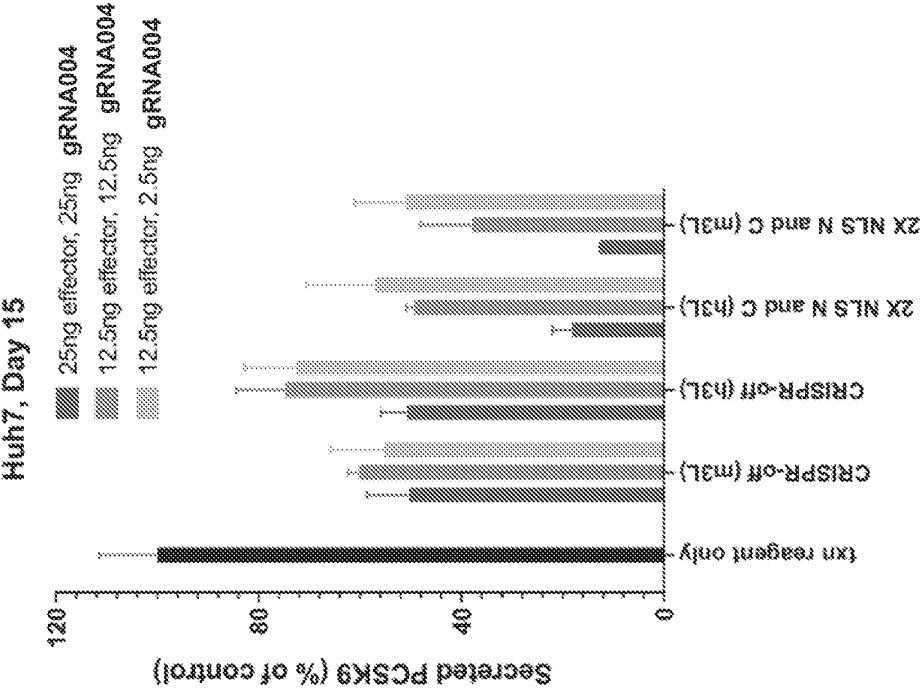


FIG. 14C

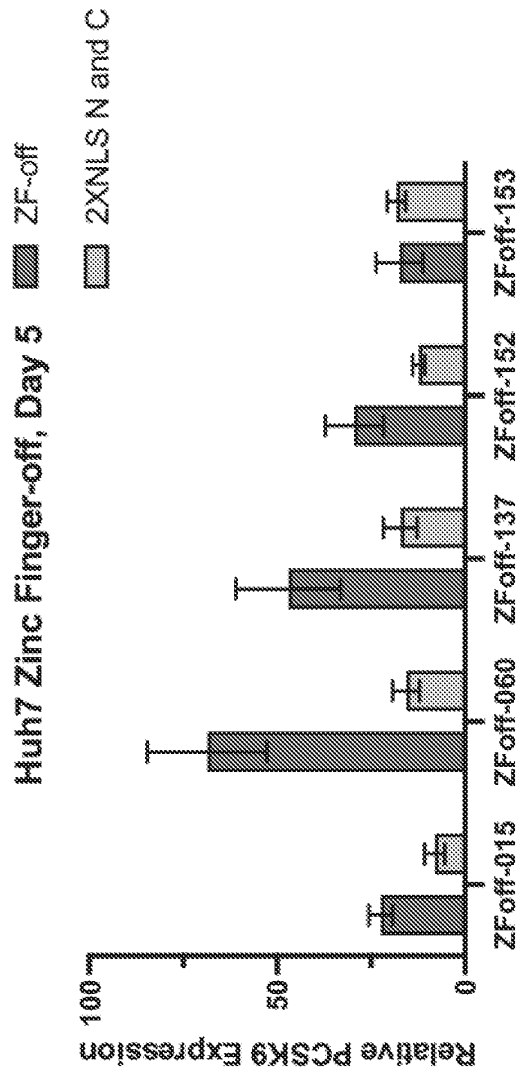


FIG. 15

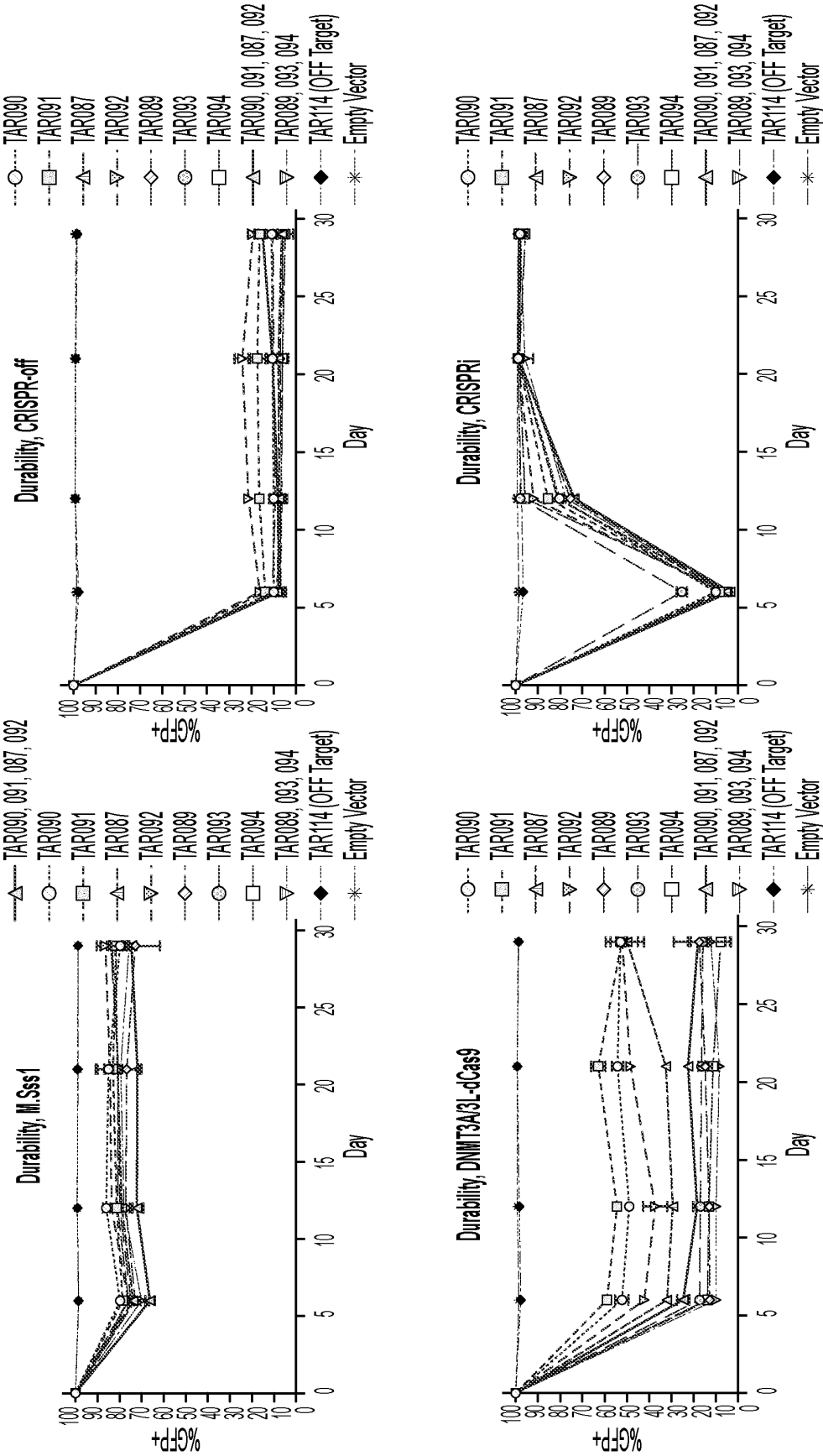
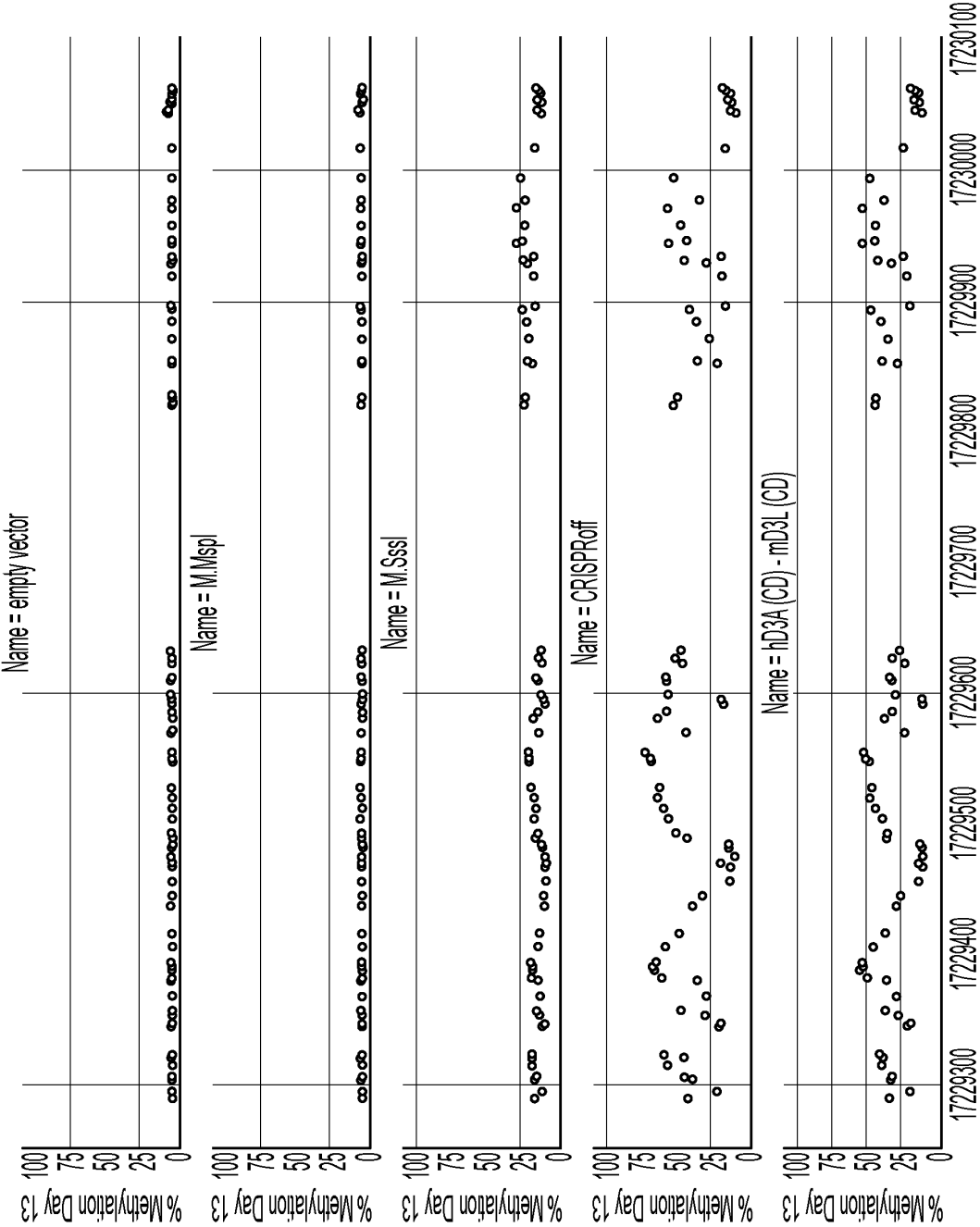


FIG. 16



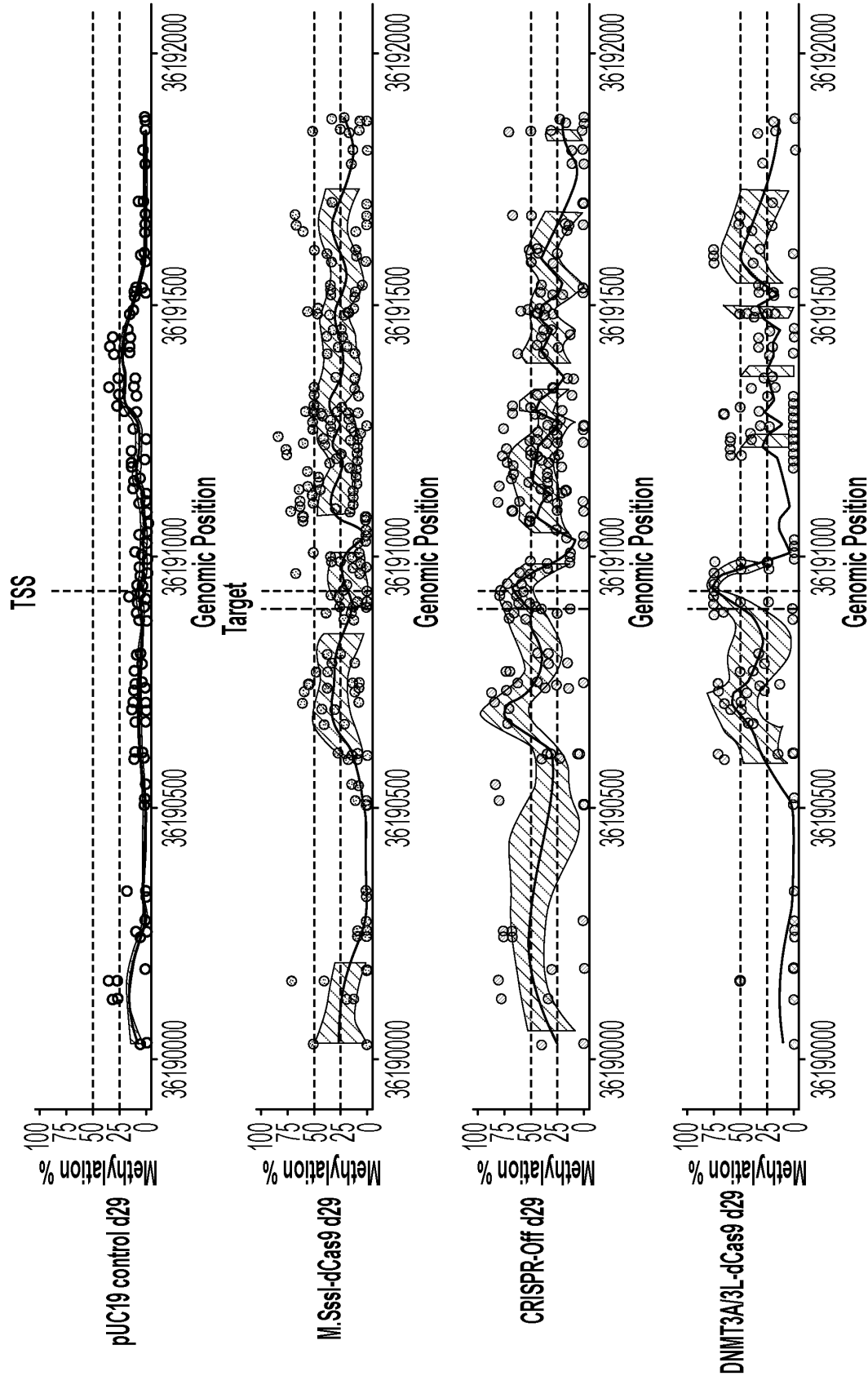


FIG. 18

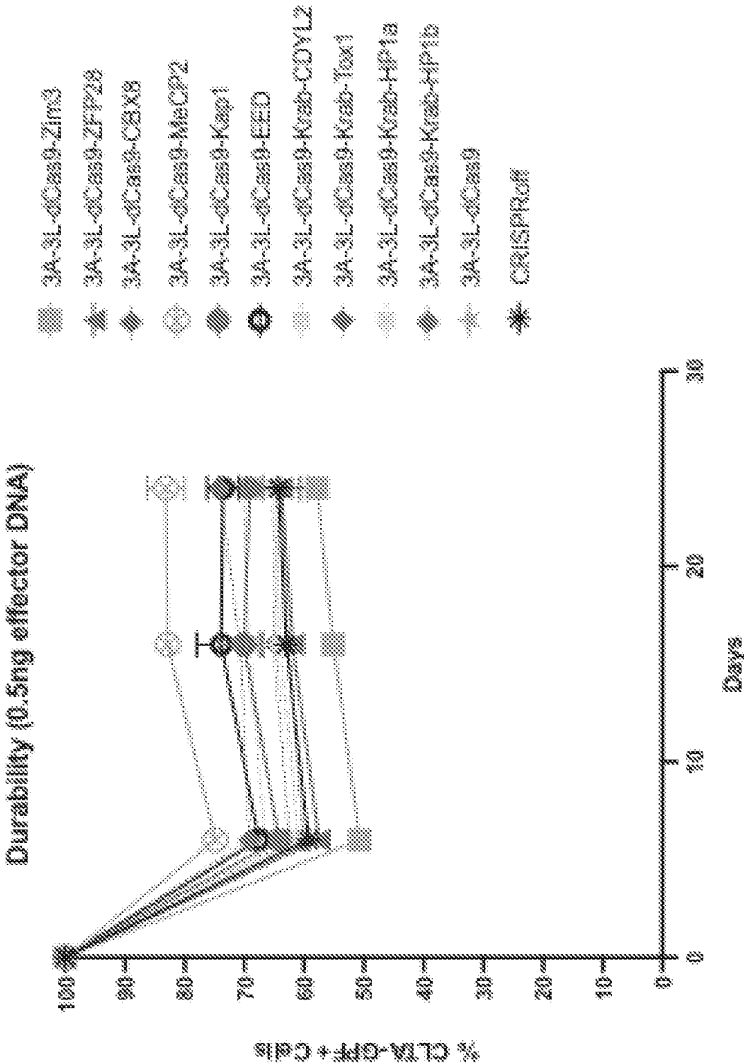


FIG. 19A

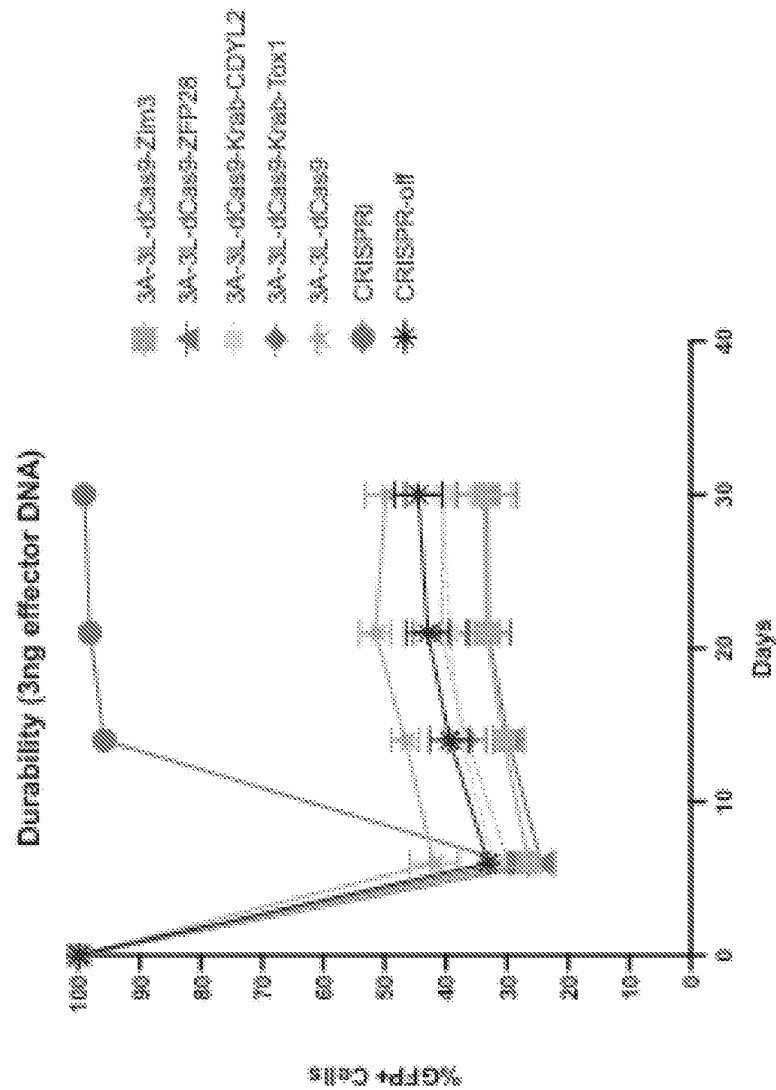


FIG. 19B

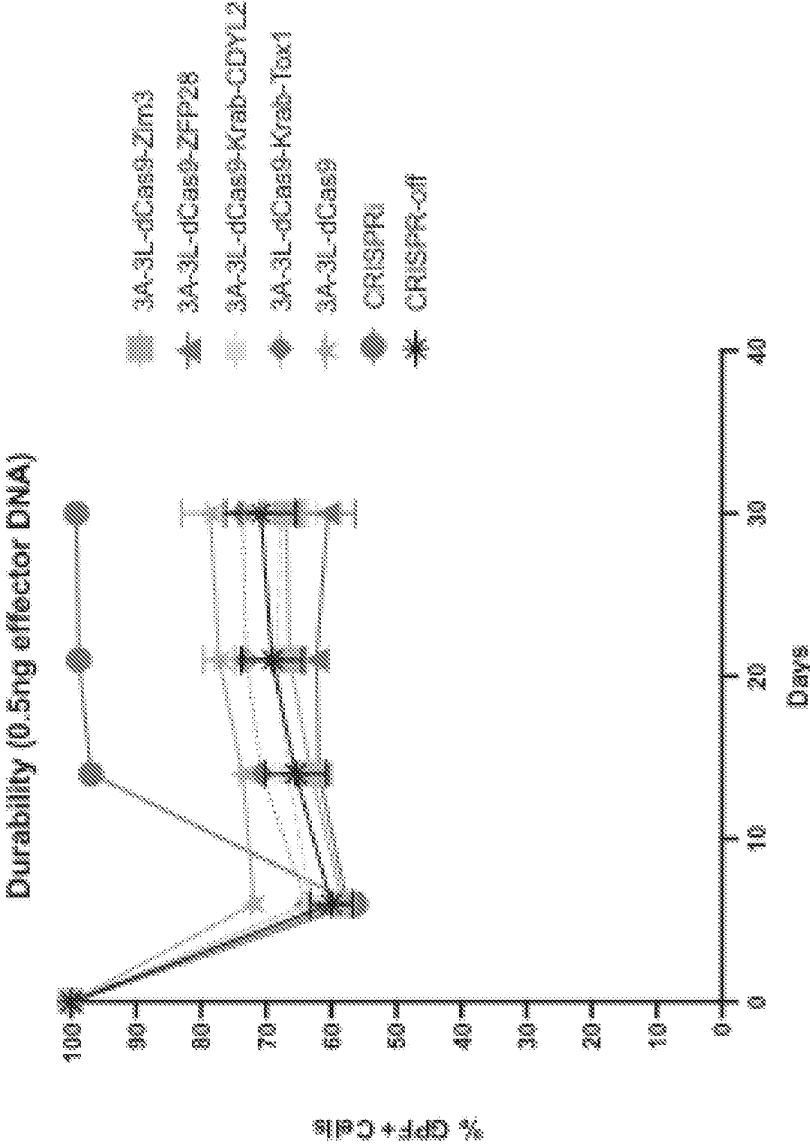


FIG. 19C

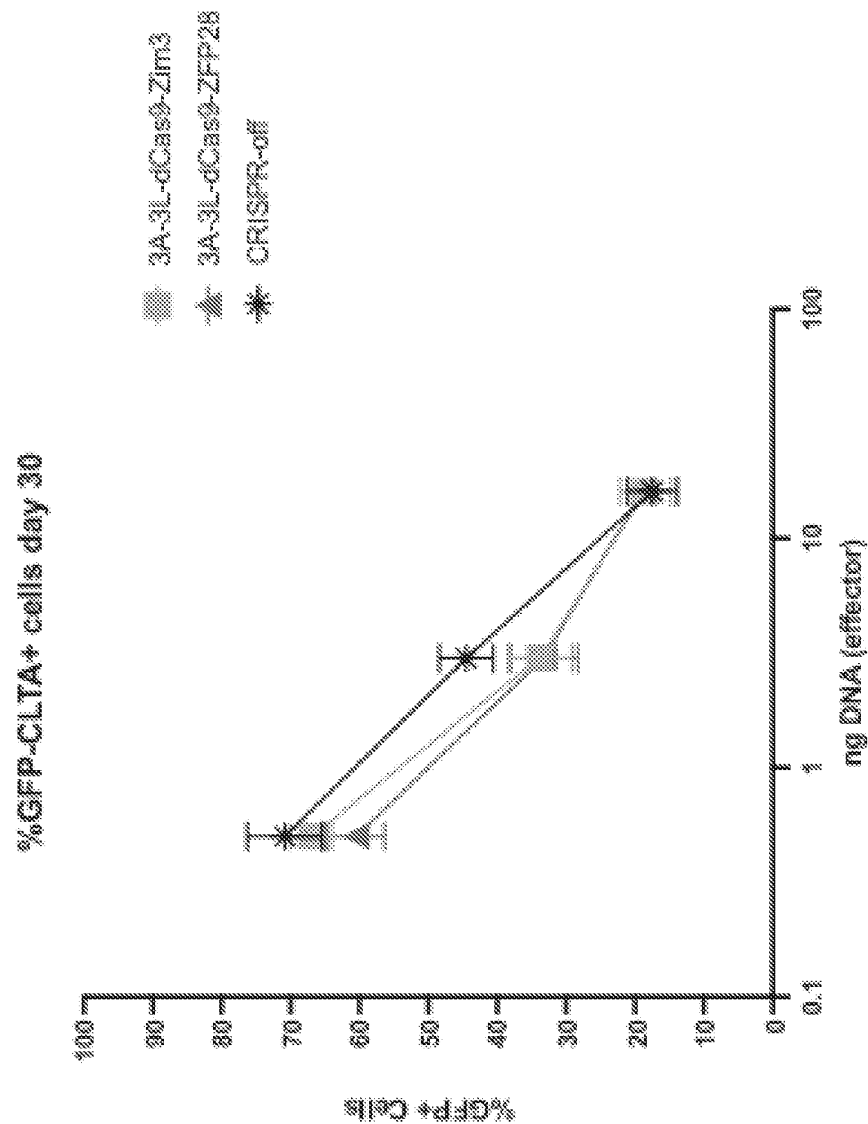


FIG. 19D

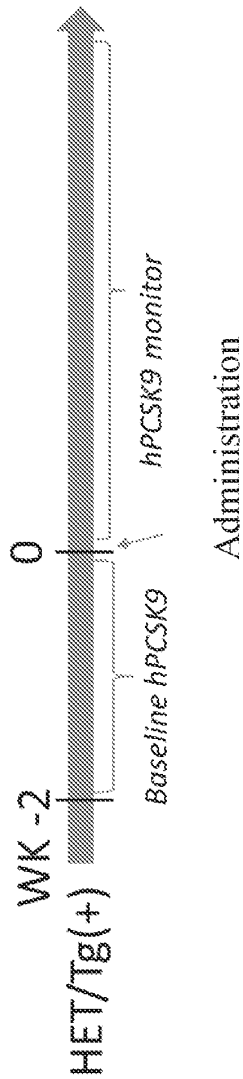


FIG. 20A

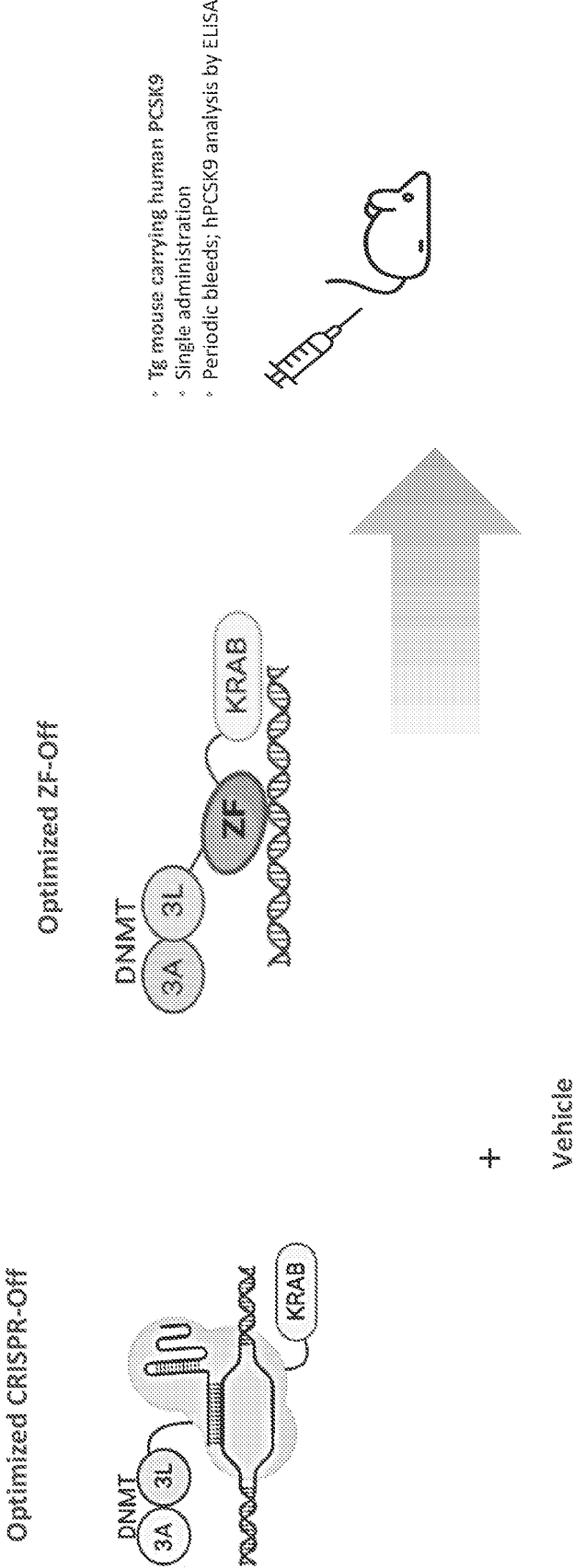


FIG. 20B

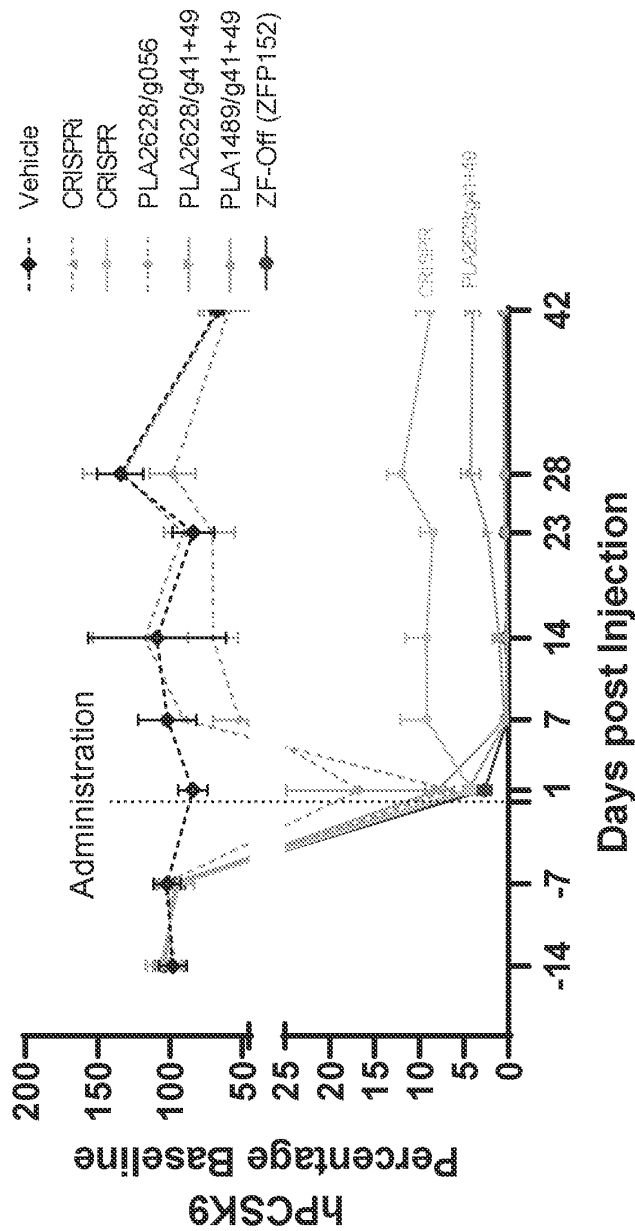


FIG. 21A

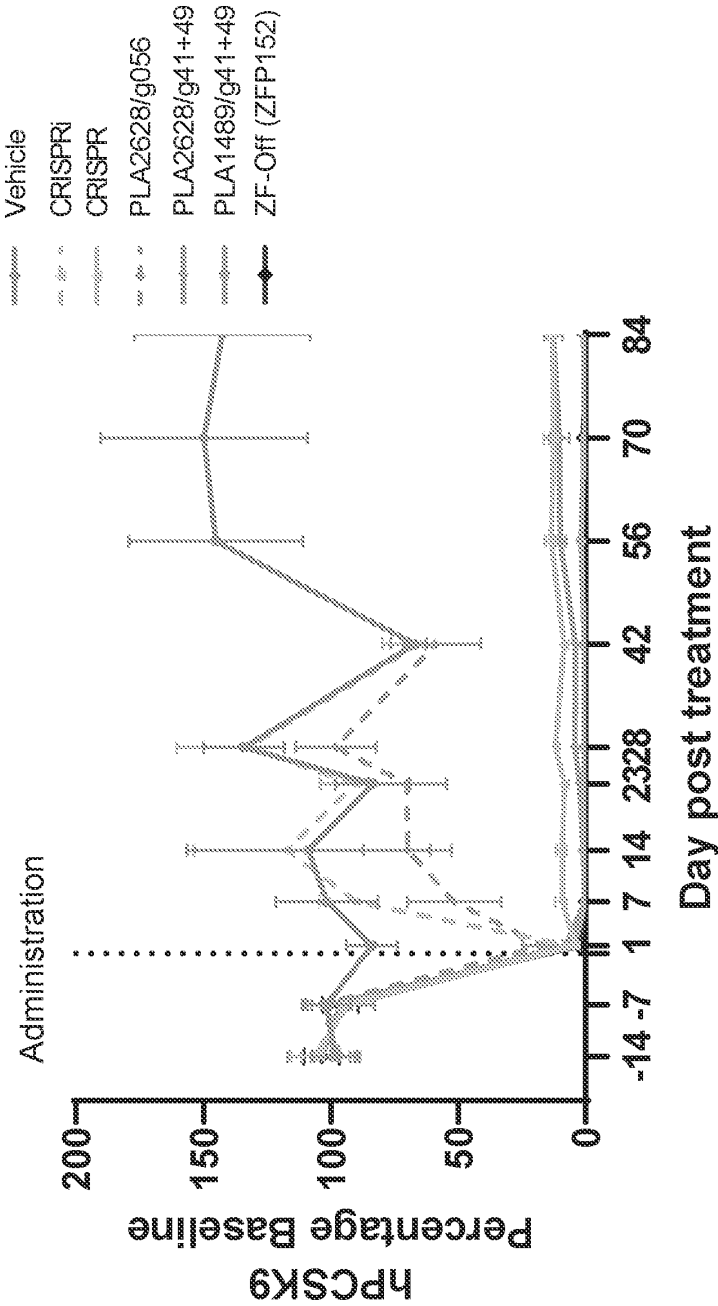


FIG. 21B

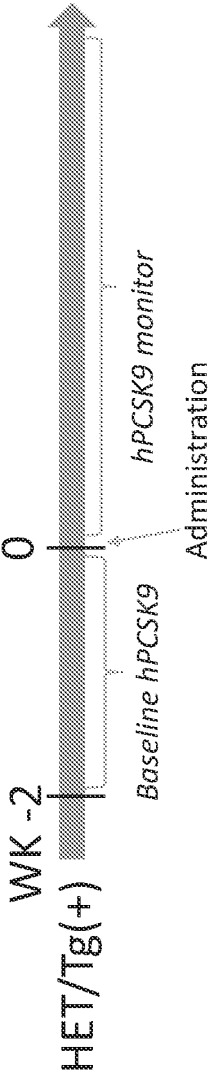


FIG. 22

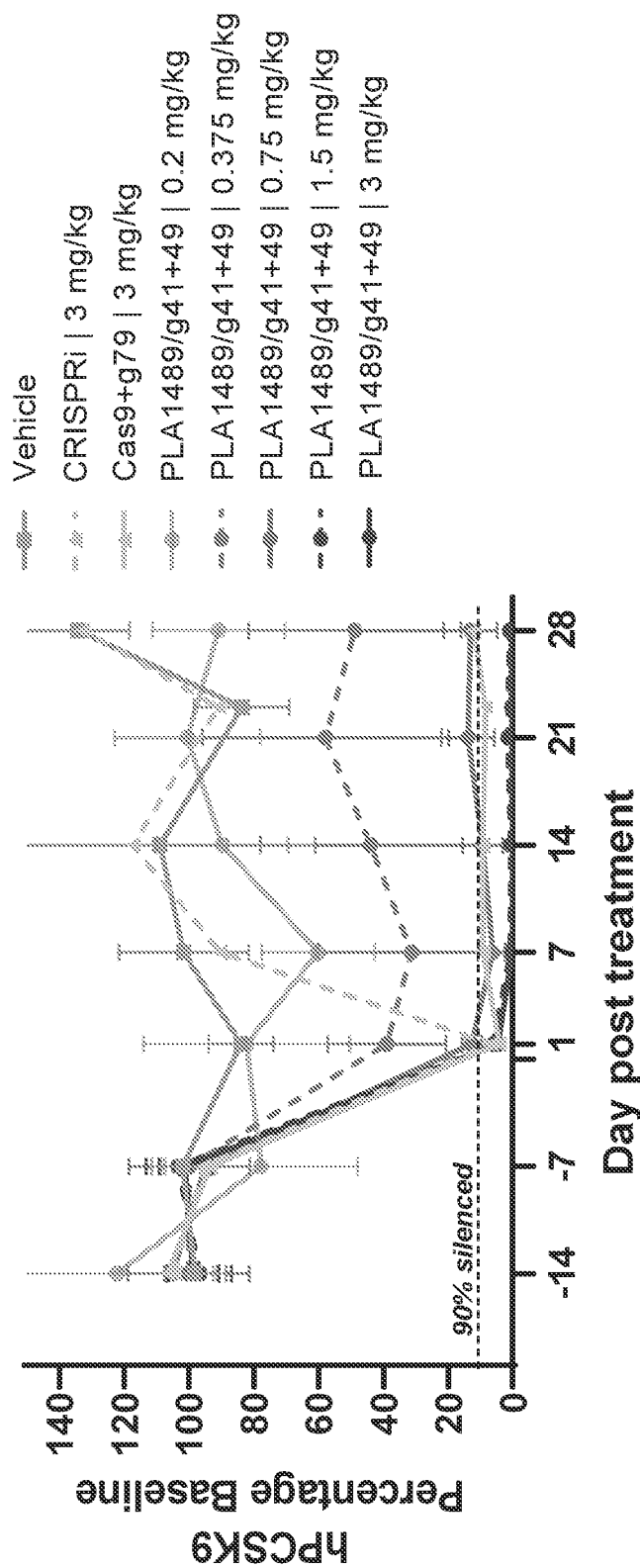


FIG. 23A

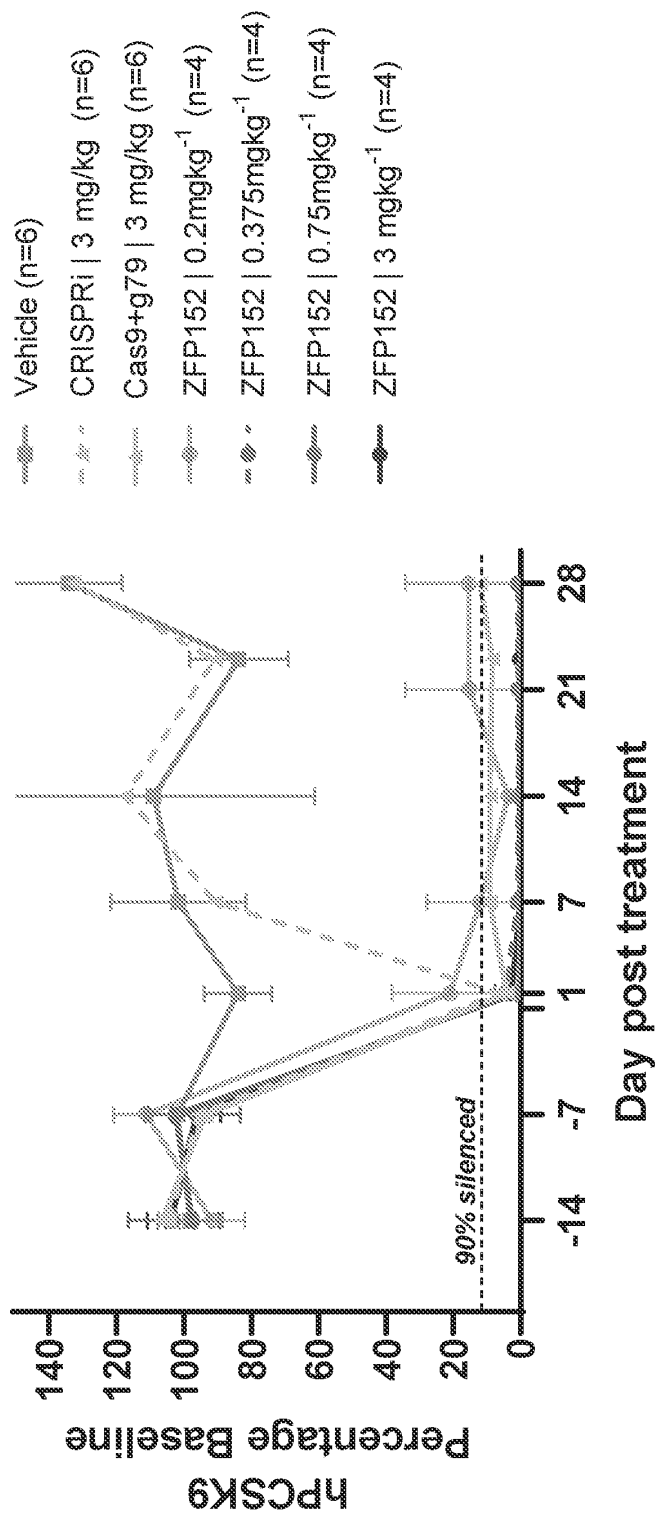


FIG. 23B

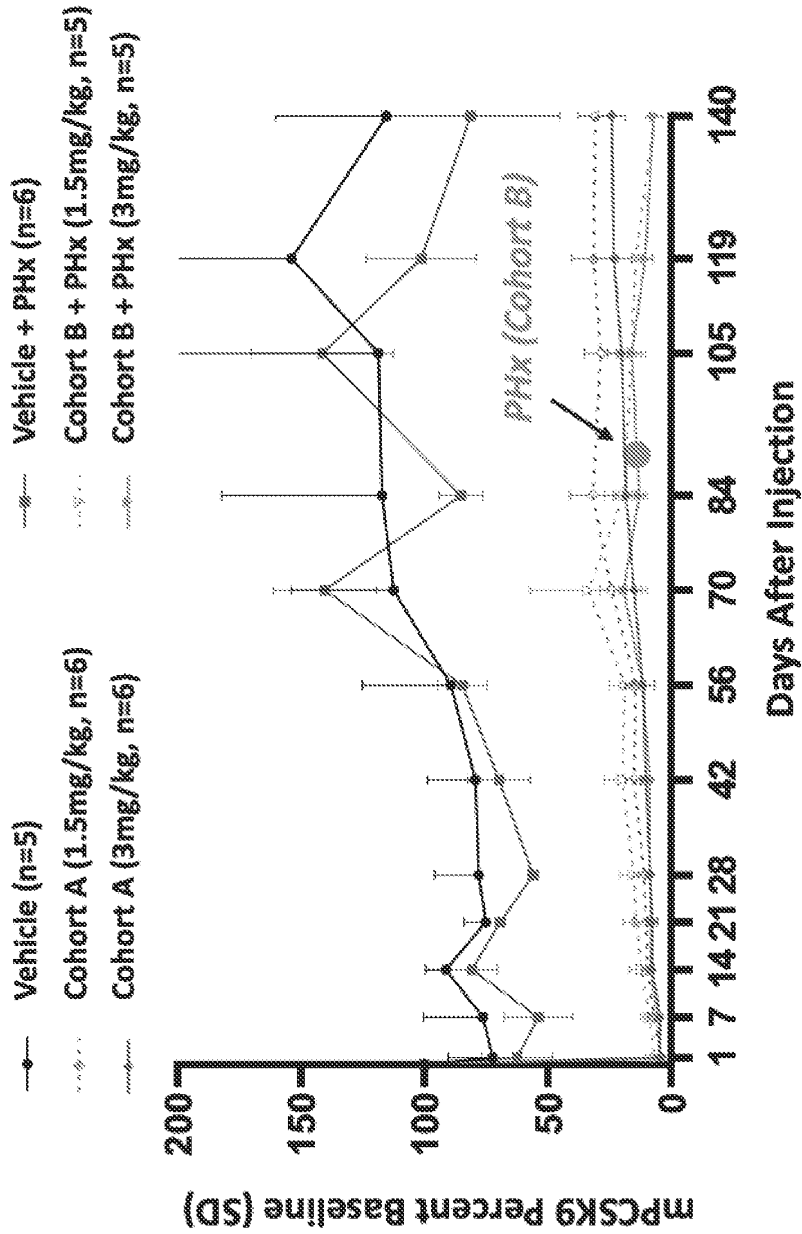


FIG. 24

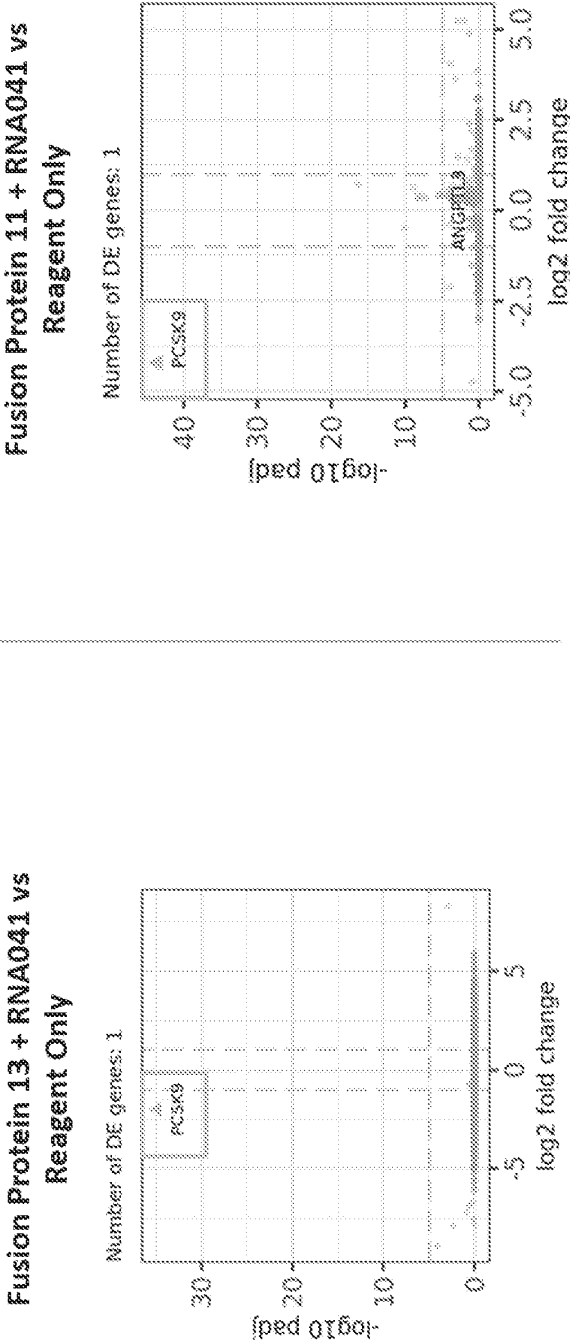


FIG. 25



FIG. 26A

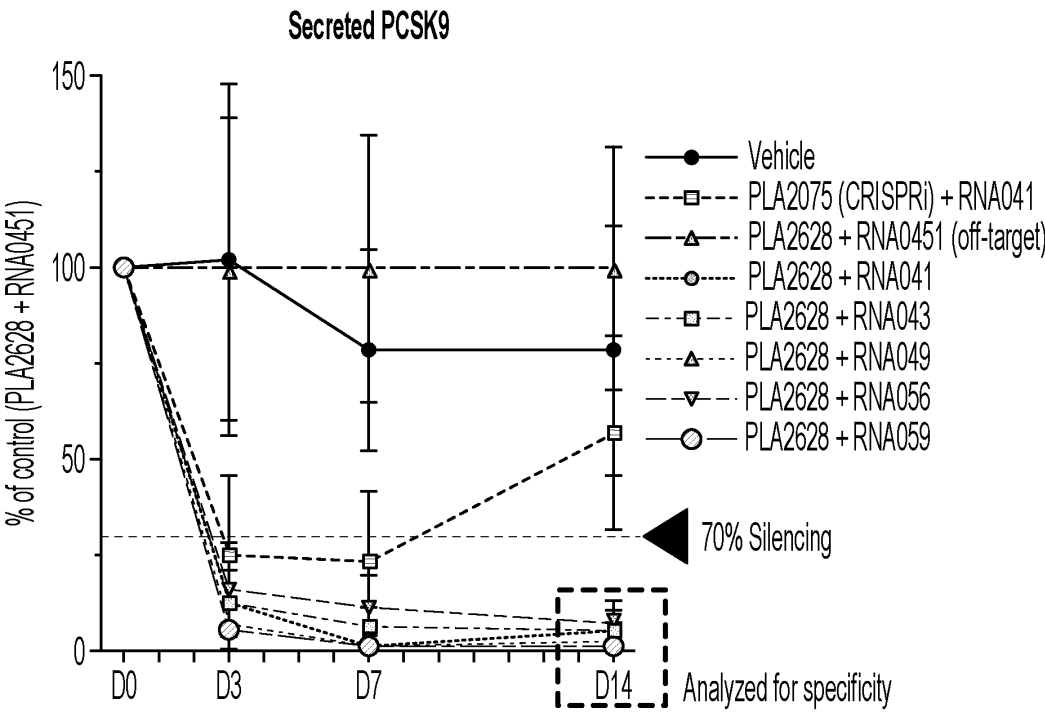


FIG. 26B

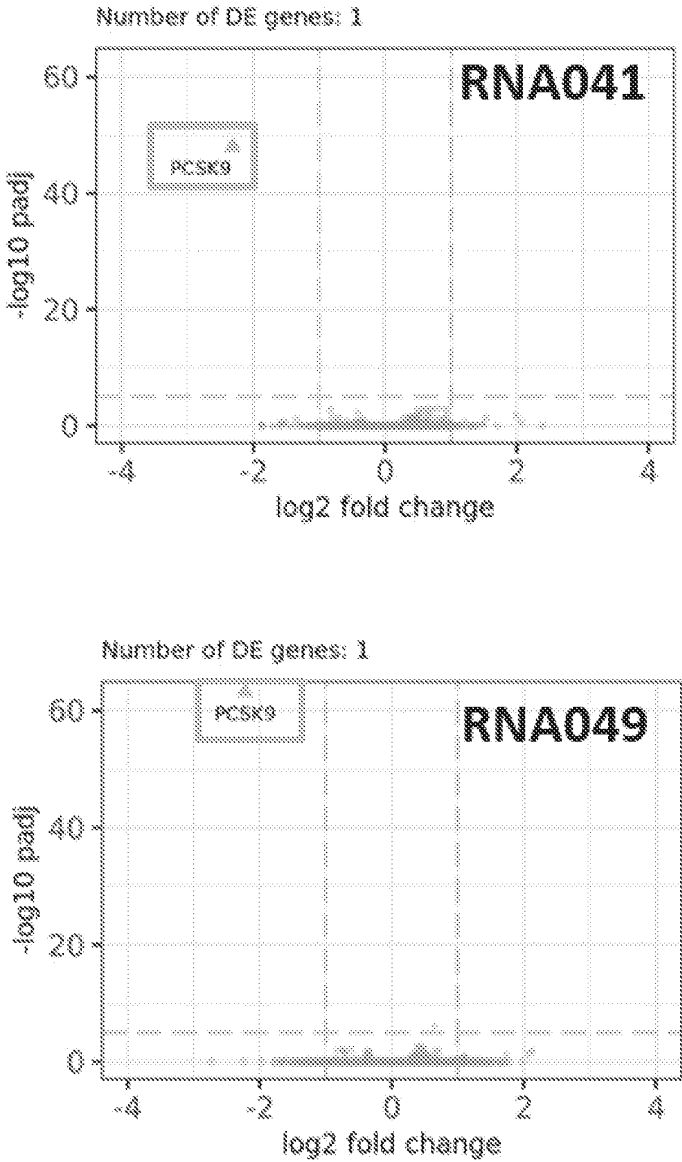


FIG. 26C

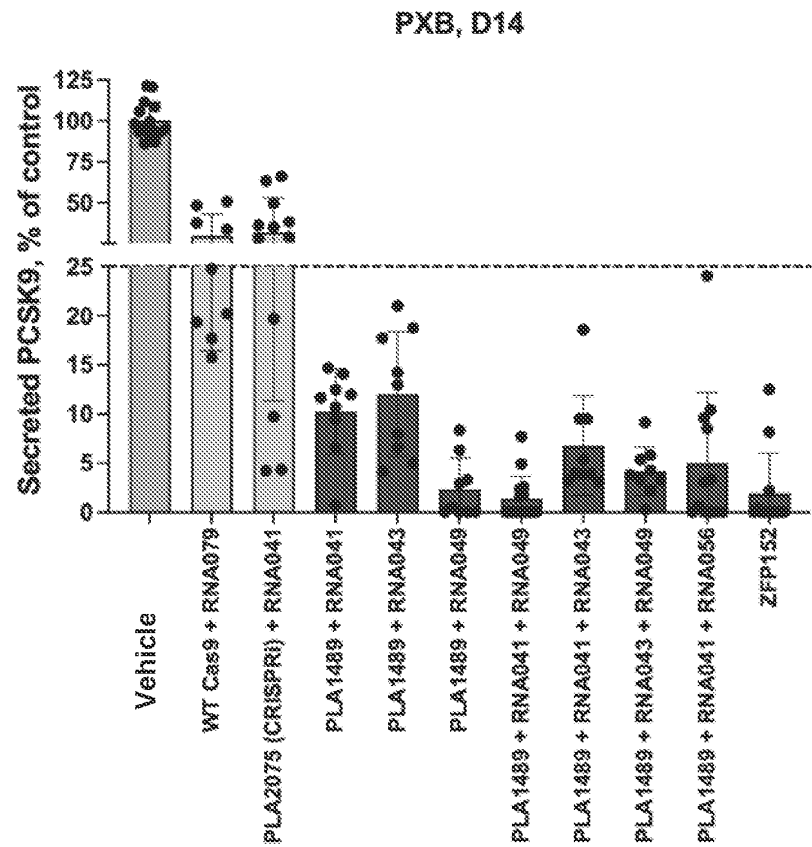


FIG. 27