

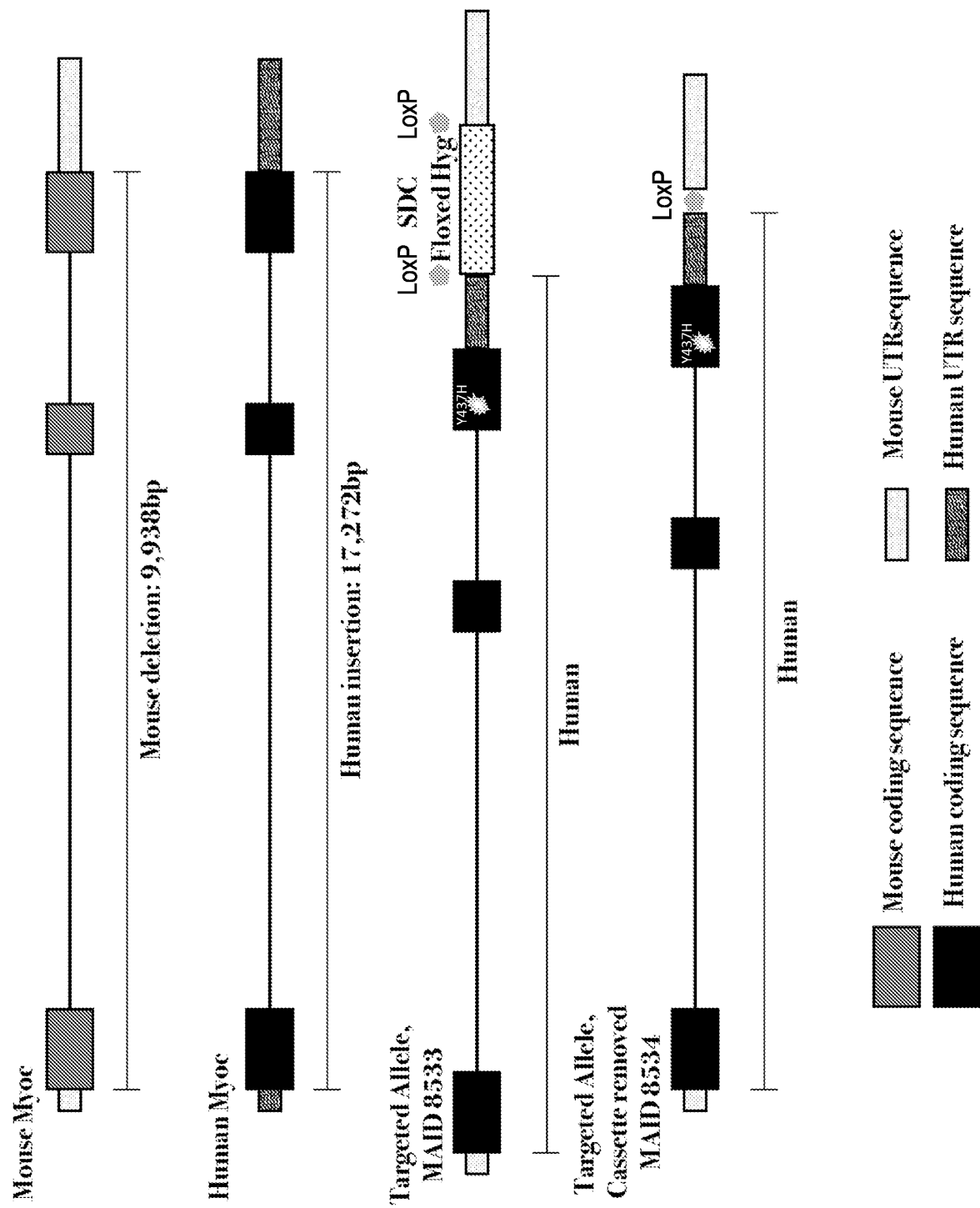


FIG. 1

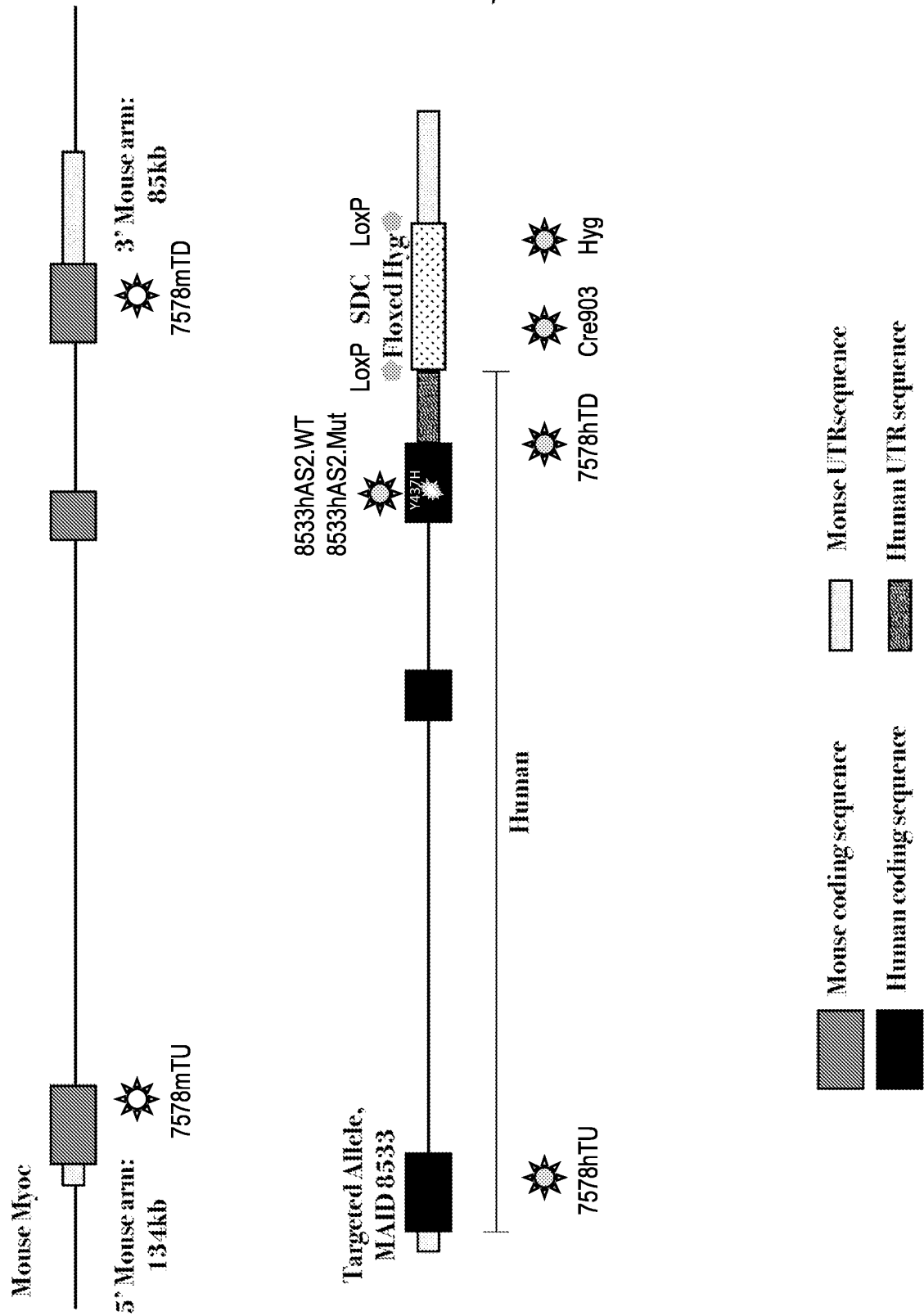


FIG. 2

		<i>Signal peptide</i>	
Human	MYOC:	MRFFCARCCSFGPEMPAVQLLLLLACLVDVGA MPALHLLFLACLVDVGMGA	RTAQLRKANDQSGRCQYTFVASPNSSCPEQSQAMSVIHNLQRDSSIT
Mouse	MYOC:		RTAQFRKANDRSGRCQYTFVASPNSSCPRDQAMSAIQDLQRDSSIT
Human	MYOC:	QRLDLEATKARLSSLESLLHQLTLDQAARPOETQEGLORELGLTLRRERDQLETQTRELETAYSNLLRDKSVLEEEKKRLR	
Mouse	MYOC:	QHADLESTKARVRSLESLLHQMTLGRVTGTQEAQEGLOGQLGALRRERDQLETQTRDLEAAYNNLLRDKSALEEEKRQLE	
Human	MYOC:	QENENLARRLESSEQEVARLRRGQCPQTRDTARAVPPGSRREVSTWNLDTLAFQELKSELTEVPASRIILKESPSGYLRSGE	
Mouse	MYOC:	QENEDLARRLESSEEVTRLRRGQCPSTQYPSQDMLPGSREVSTWNLDTLAFQELKSELTEVPASQILKENPSGRPRSKE	
Human	MYOC:	GDTGCGELVWVGEPVTLRTAETITGKYGVWMRDPKPTYPTQETTWRIDTVGTDVVRQVFEYDGLISQFMQGYPSKVHILPR	
Mouse	MYOC:	GDKGCGALVWVGEPVTLRTAETIAGKYGVWMRDPKPTHPTQESTWRIDTVGTEIRQVFEYSQISQFEQGYPSKVHVLPR	
Human	MYOC:	PLESTGAVVYSGSLYFQGAESRTVIRYELNTETVKAKEIIPGAGYHGQFPYSWGGYTDIDLAVDEAGLWVIYSTDEAKGA	
Mouse	MYOC:	ALESTGAVVYAGSLYFQGAESRTVVRYELDTETVKAKEIIPGAGYHGHPYAWGGYTDIDLAVDESGLWVIYSTEEAKGA	
Human	MYOC:	IVLSKLNPNENLELEQTWETNIRKQSVANAFIICGTL IVLSKLNPNANLELERTWETNIRKQSVANAFVICGIL	YTVSSYTSADATVNFAYDTGTGISKTLTIPFKNRYKYSSMIDYN
Mouse	MYOC:		YTVSSYSSAHATVNFAYDTKTGTSTLTIPFTNRYKYSSMIDYN
Human	MYOC:	PLEKKLFAWDNLNMVTYDIKLSKM (SEQ ID NO: 1)	
Mouse	MYOC:	PLERKLFAWDNFMNVTYDIKLLEM (SEQ ID NO: 6)	

FIG. 3

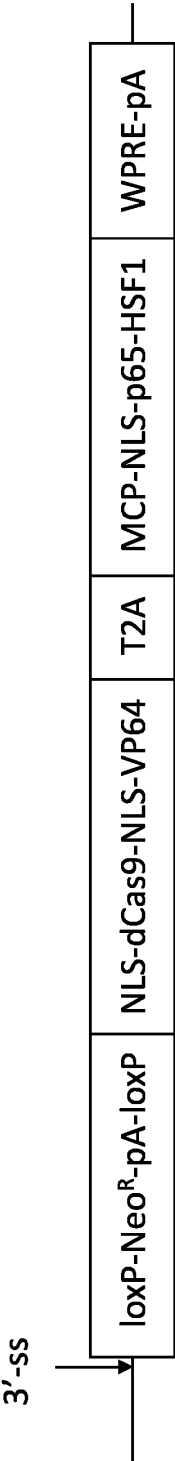


FIG. 4A

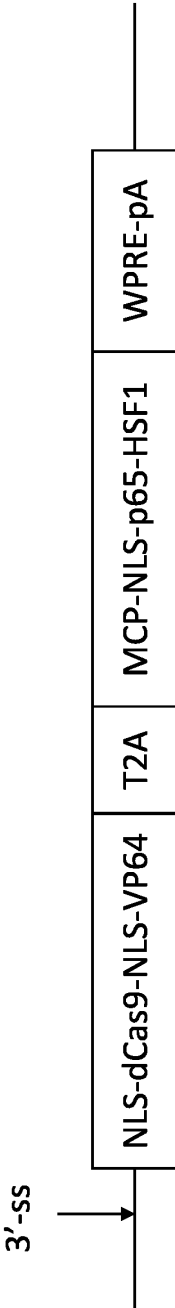


FIG. 4B

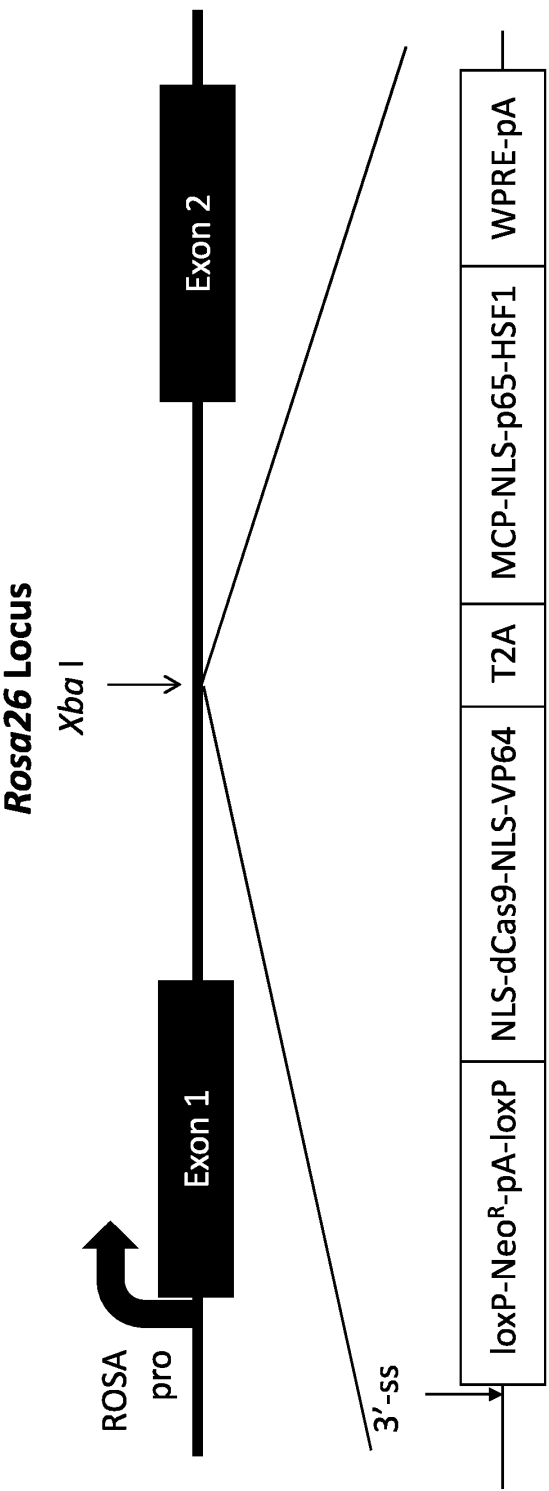
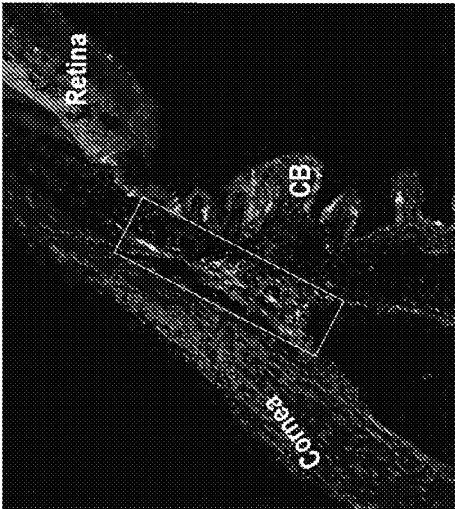


FIG. 5

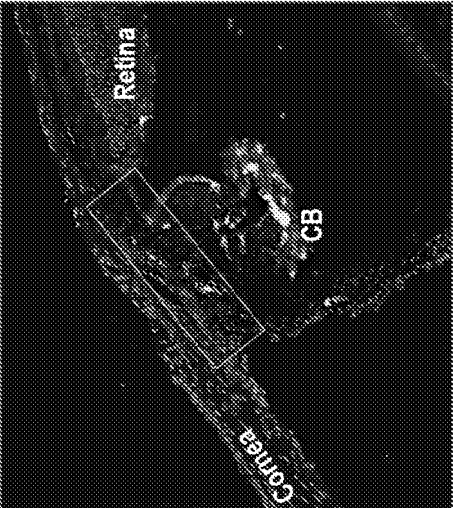
FIG. 6

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Lentivirus



AAV2.Y3F



Adenovirus (Ad5)

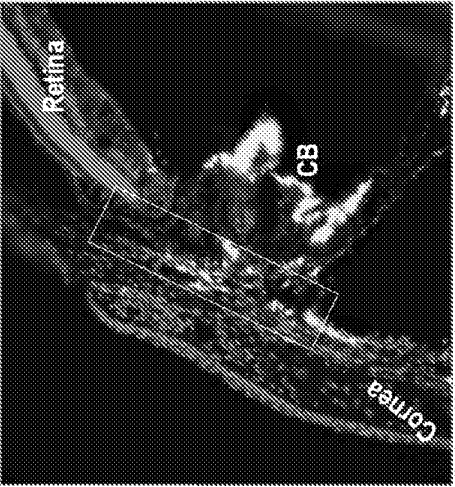


FIG. 7

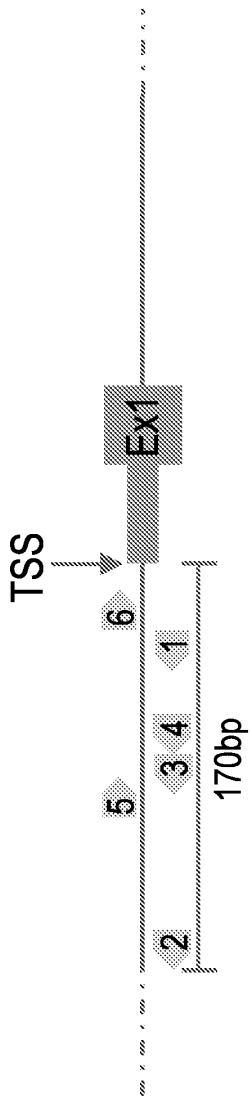


FIG. 8

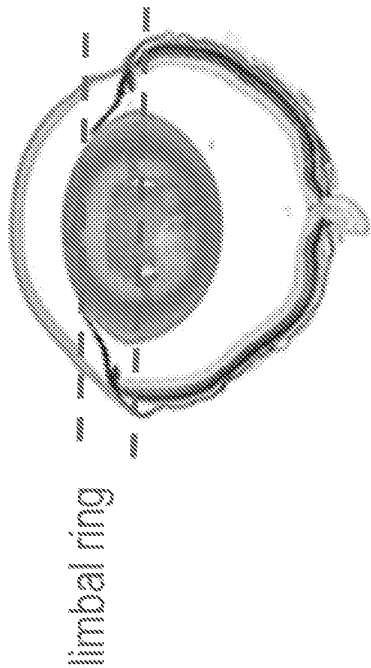


FIG. 9

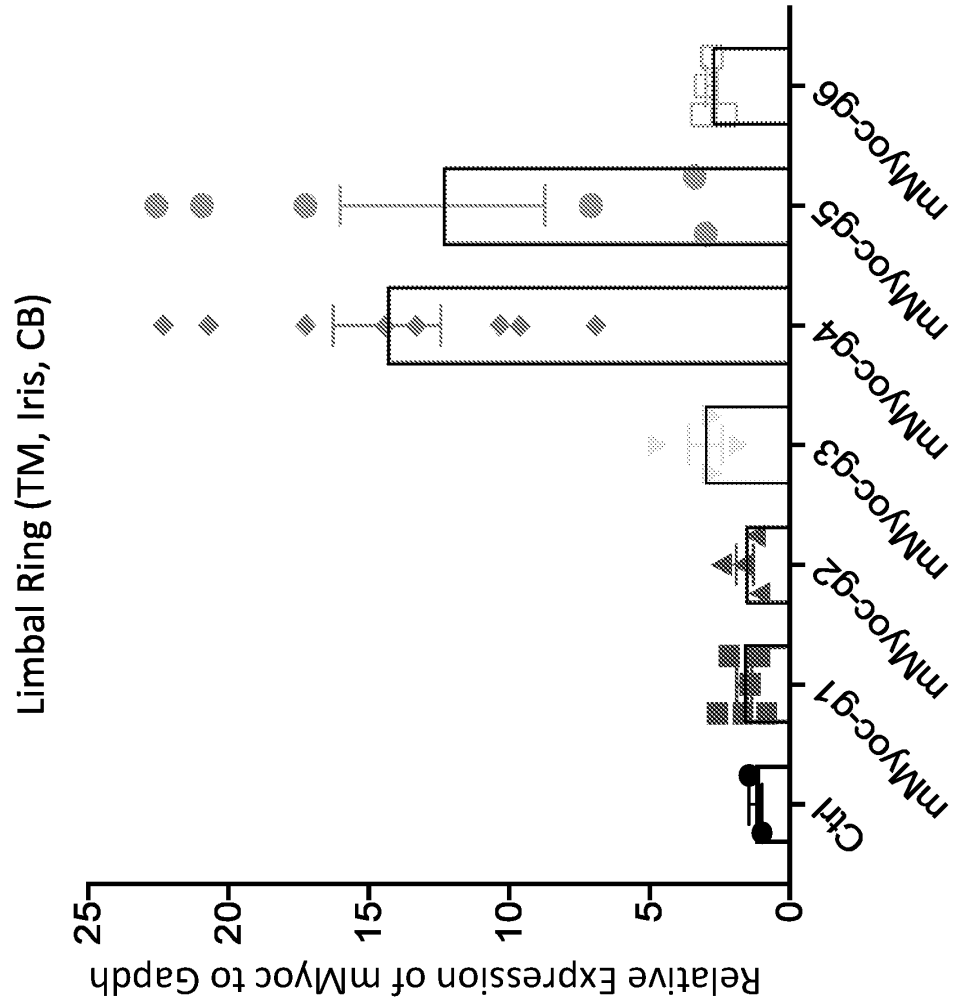


FIG. 10A

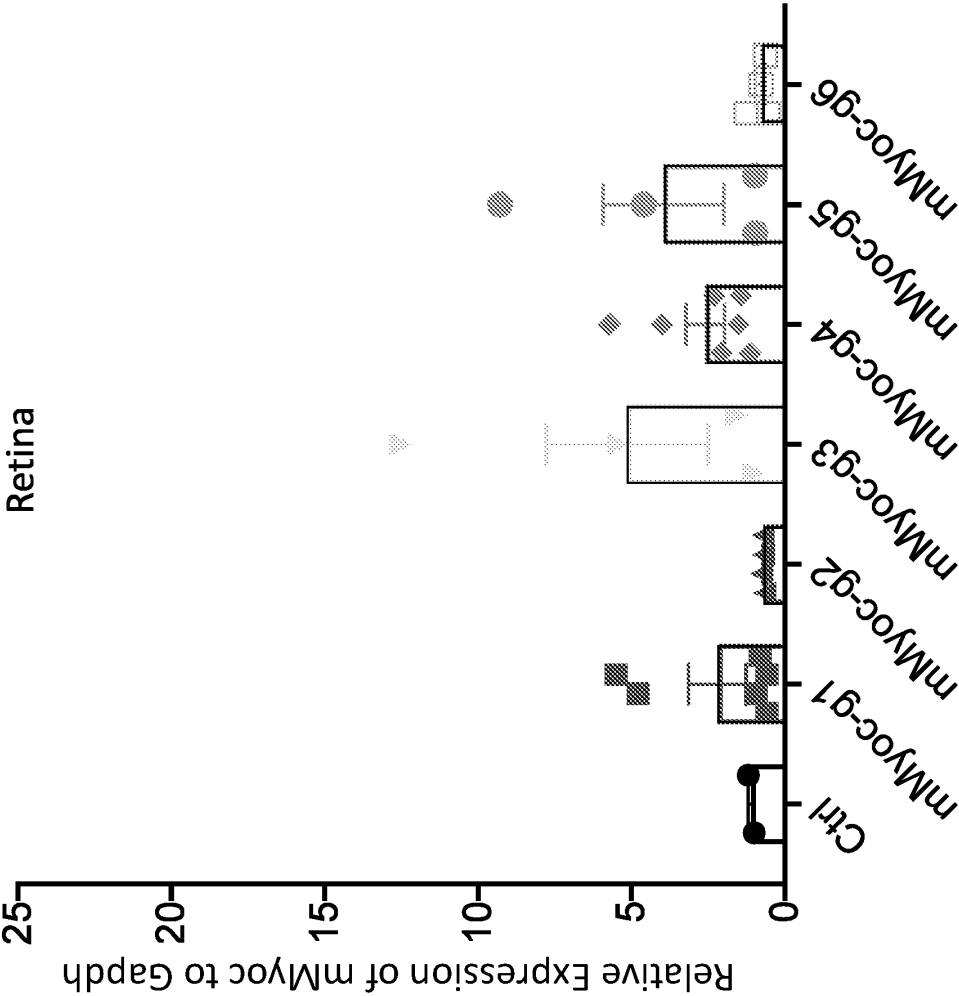


FIG. 10B

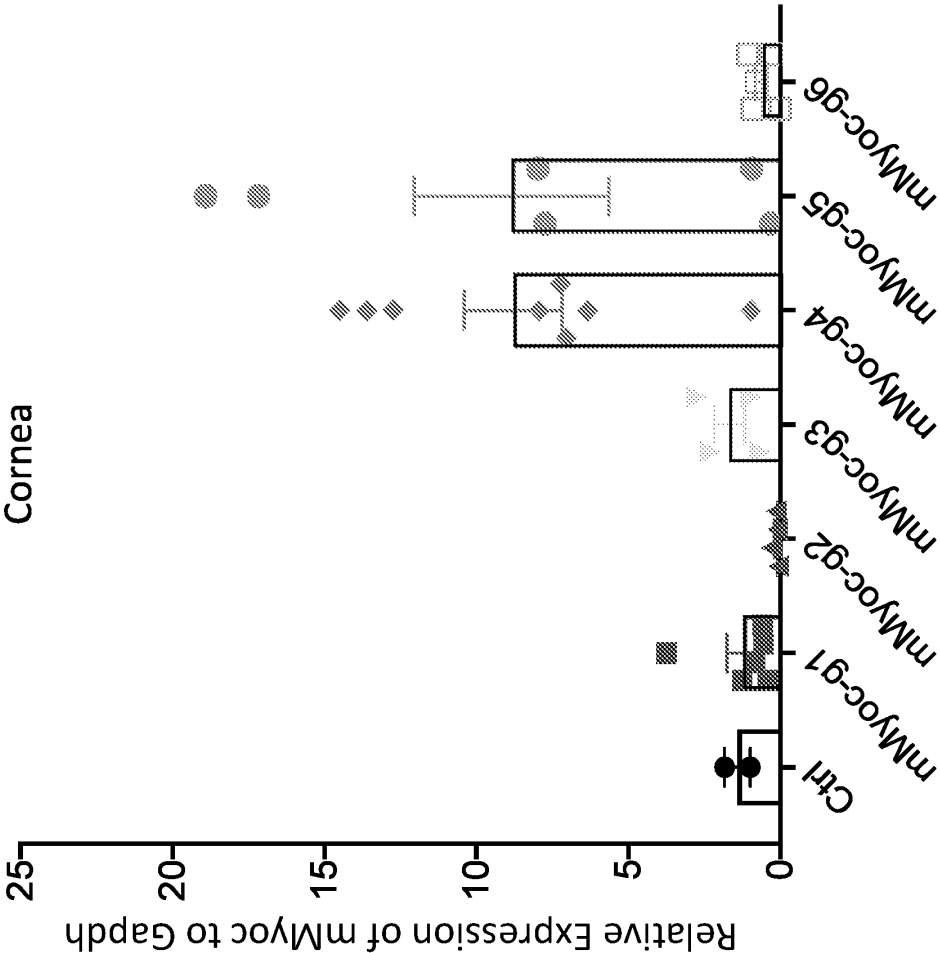


FIG. 10C

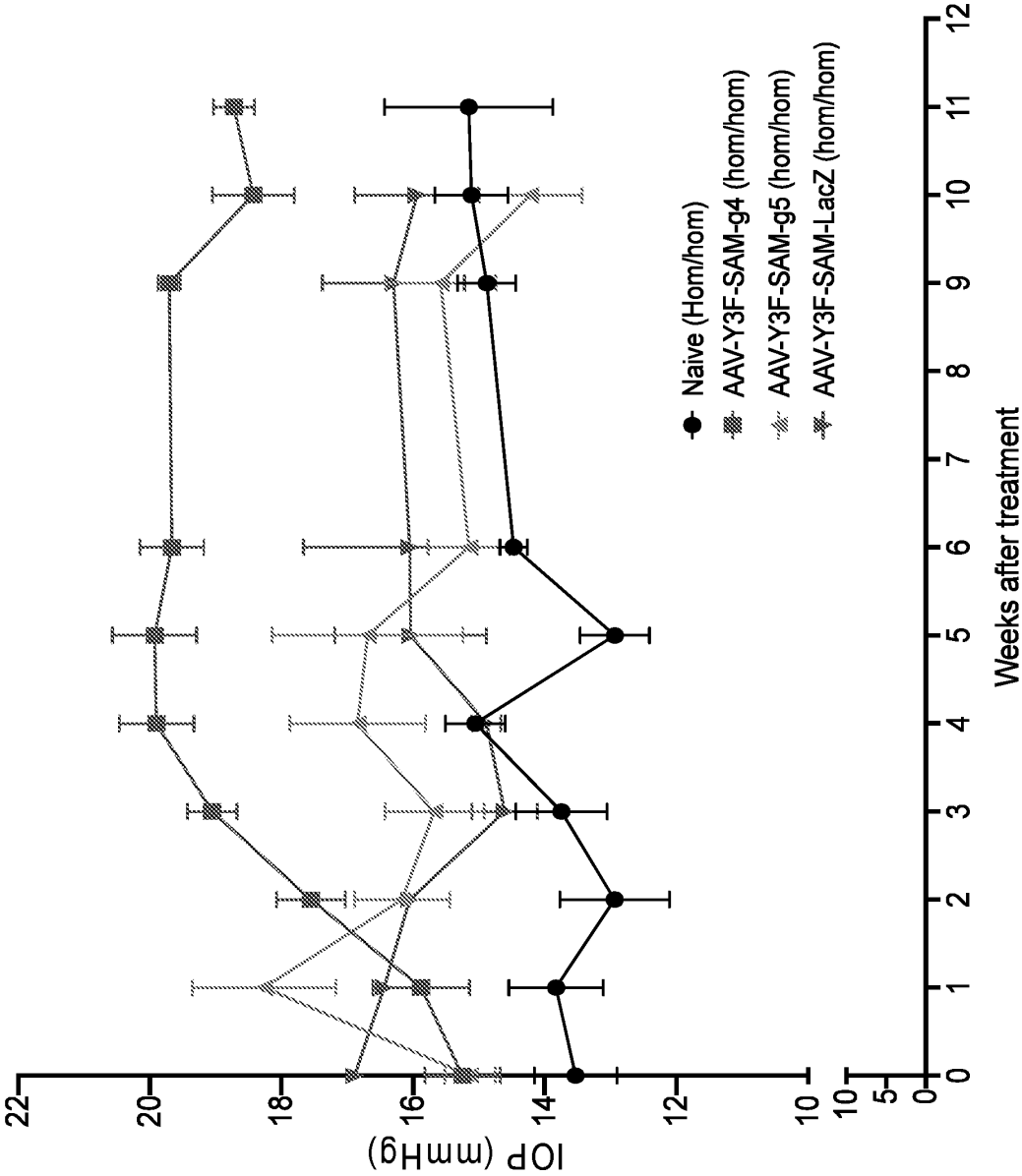


FIG. 11

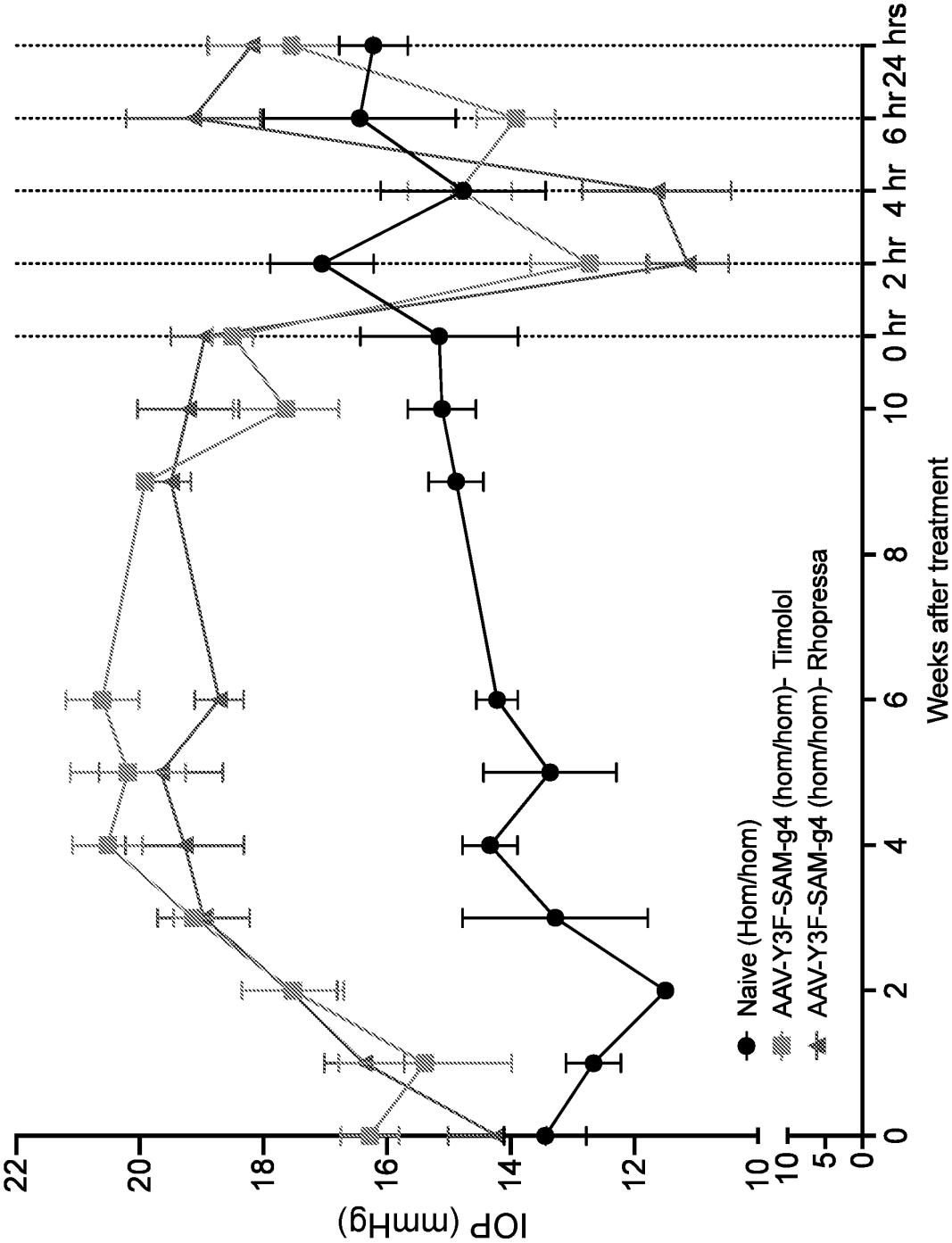
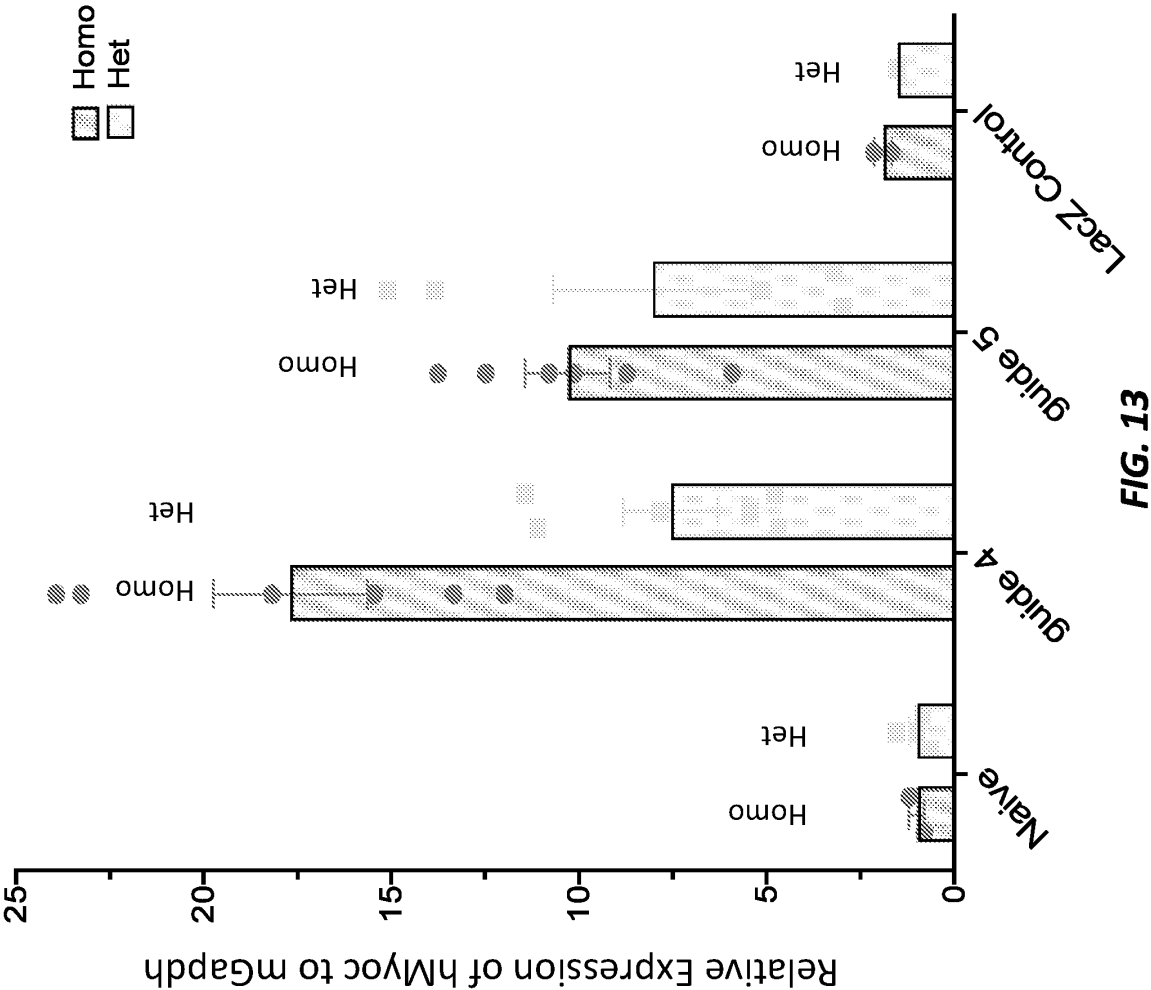
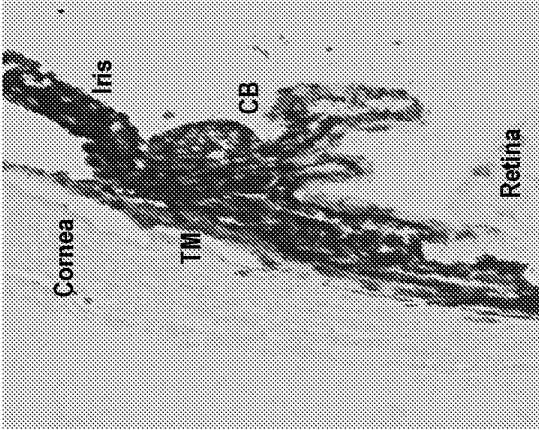


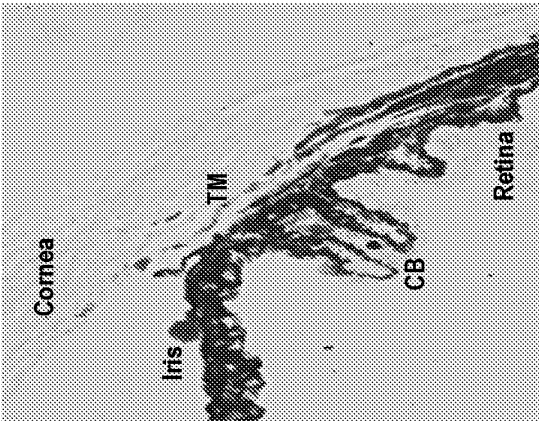
FIG. 12



Y437H Homo



Y437H Het



Naïve

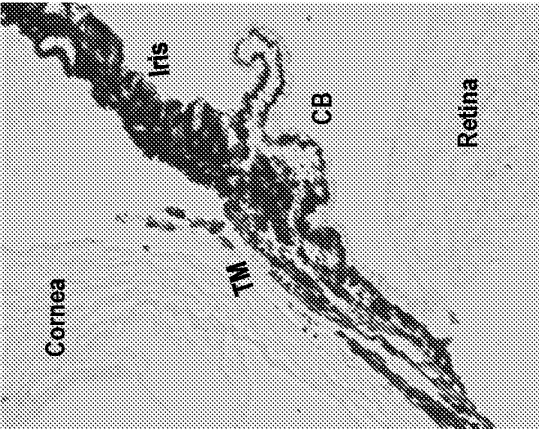


FIG. 14

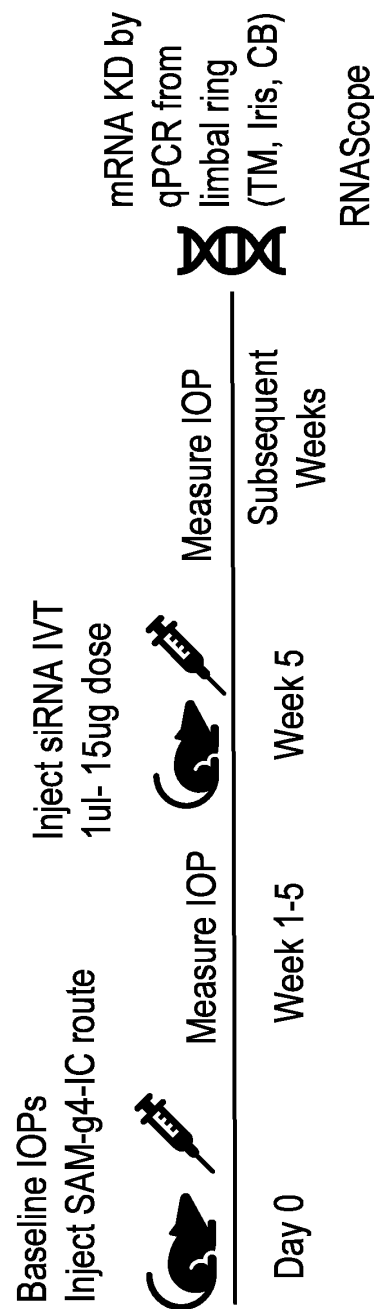


FIG. 15A

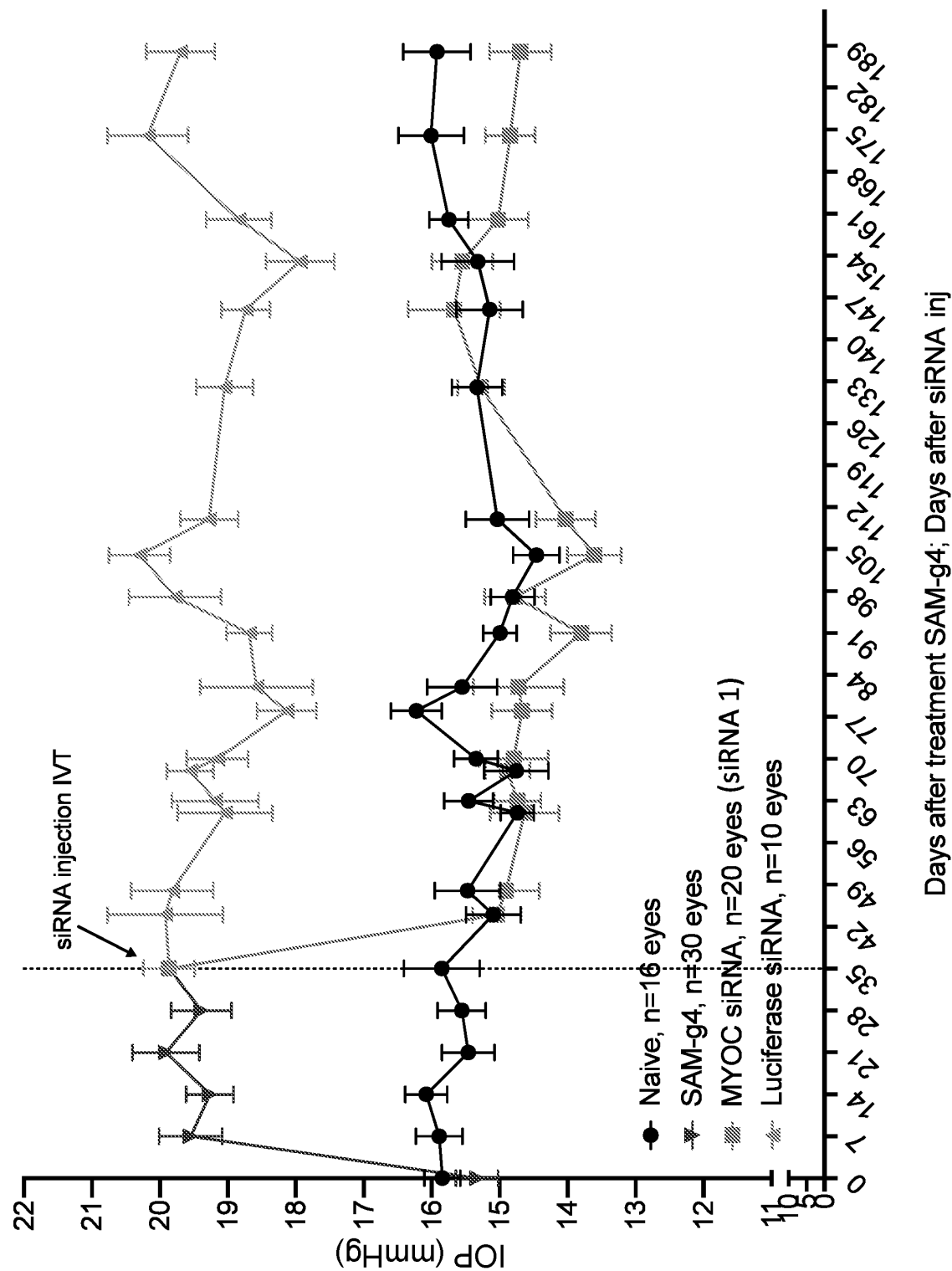


FIG. 15B

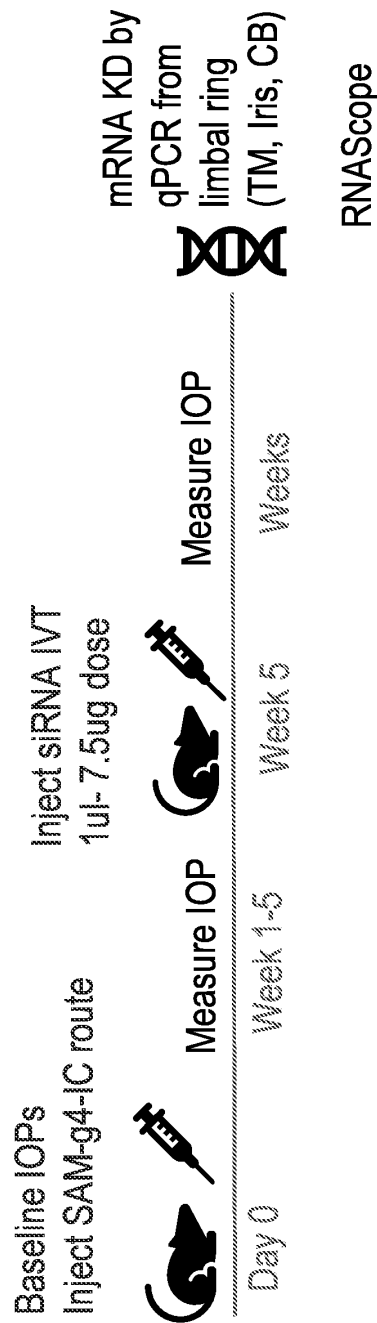


FIG. 16A

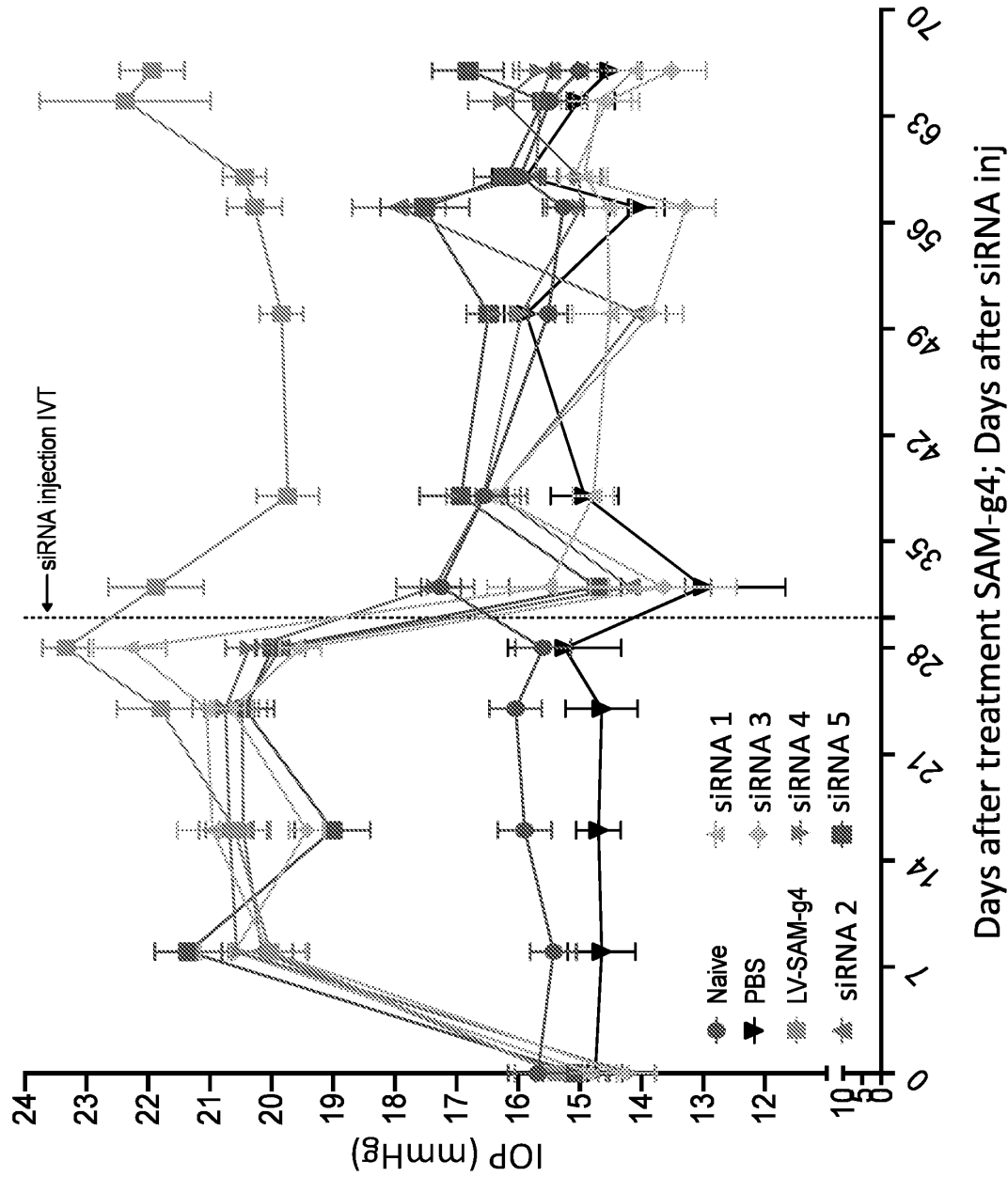
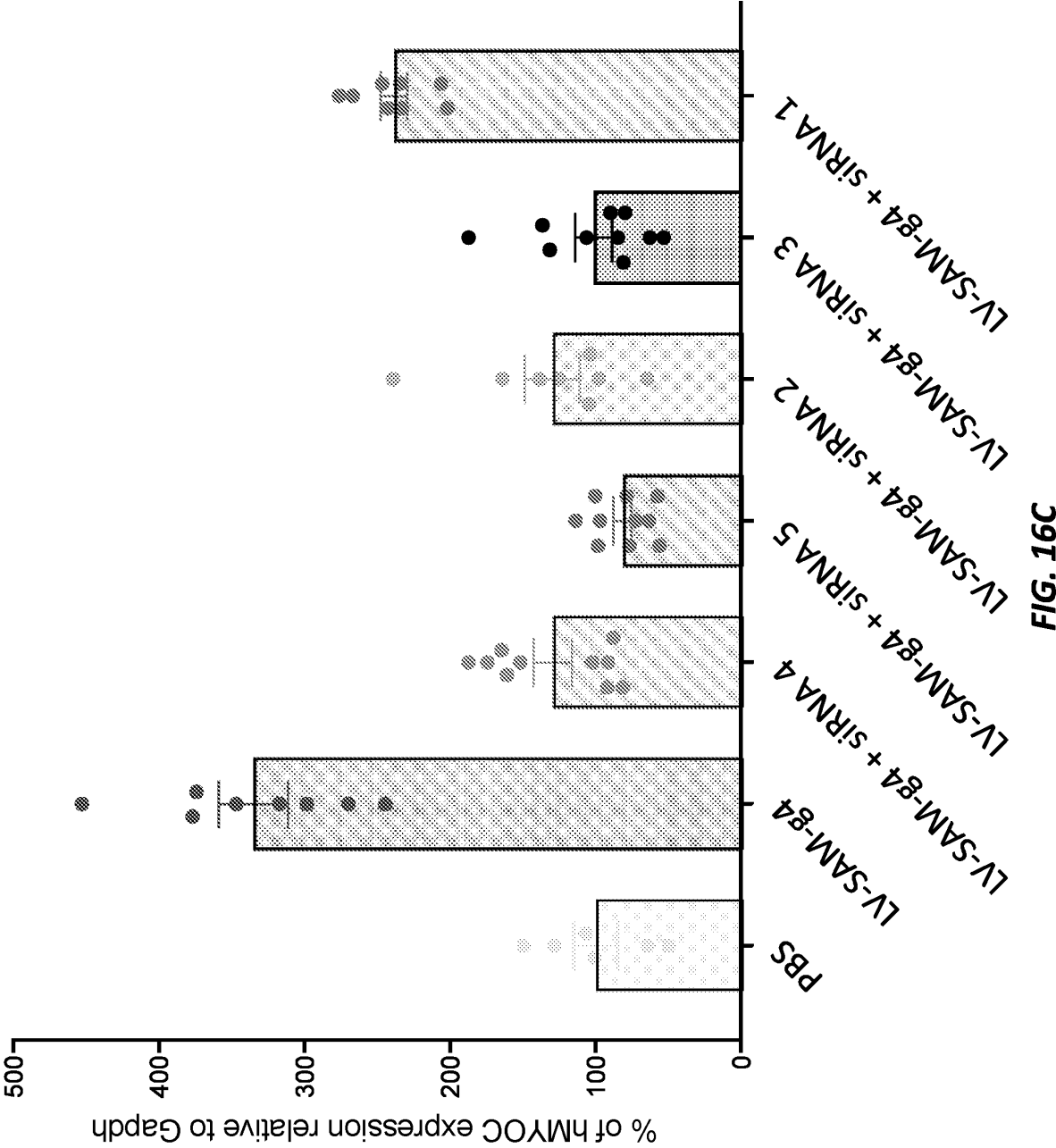


FIG. 16B



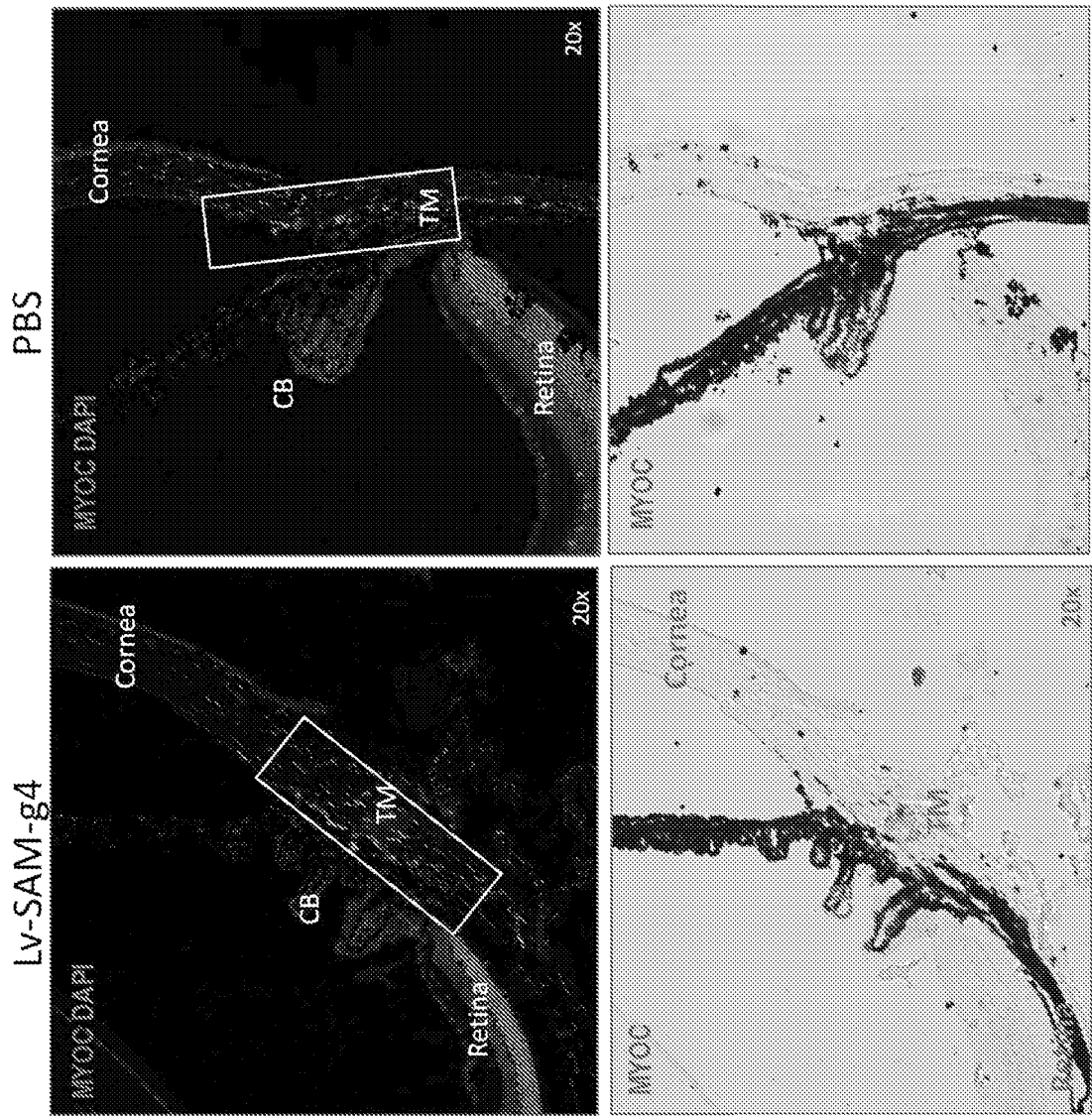
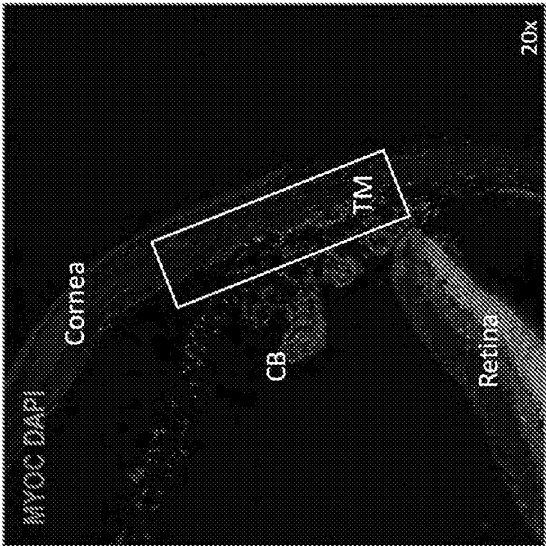


FIG. 16D

MYOC siRNA 2



MYOC siRNA 3

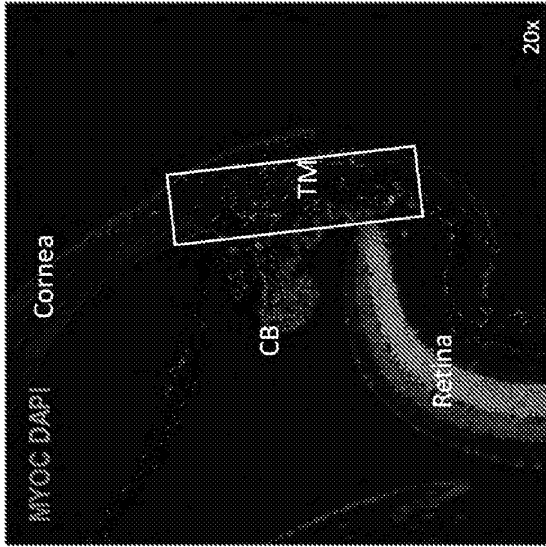


FIG. 16D continued

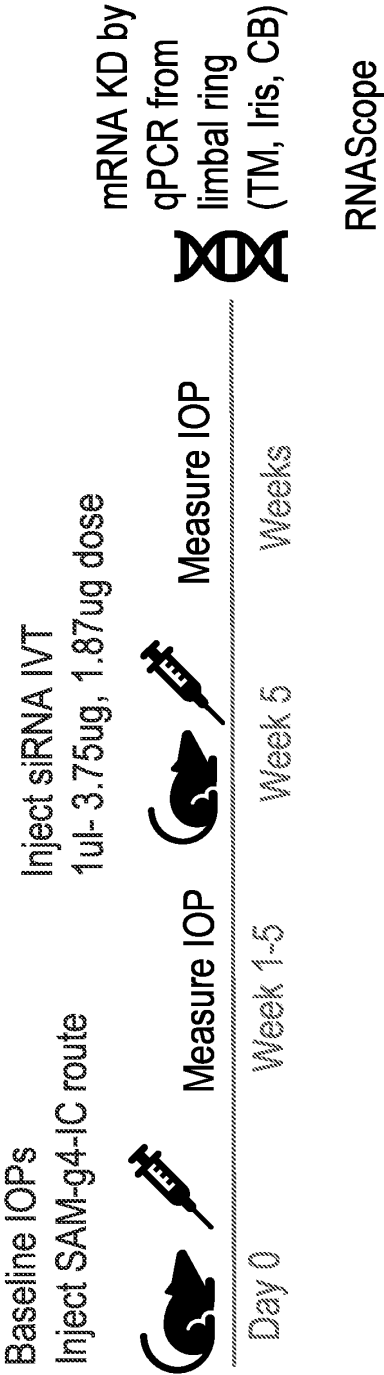


FIG. 17A

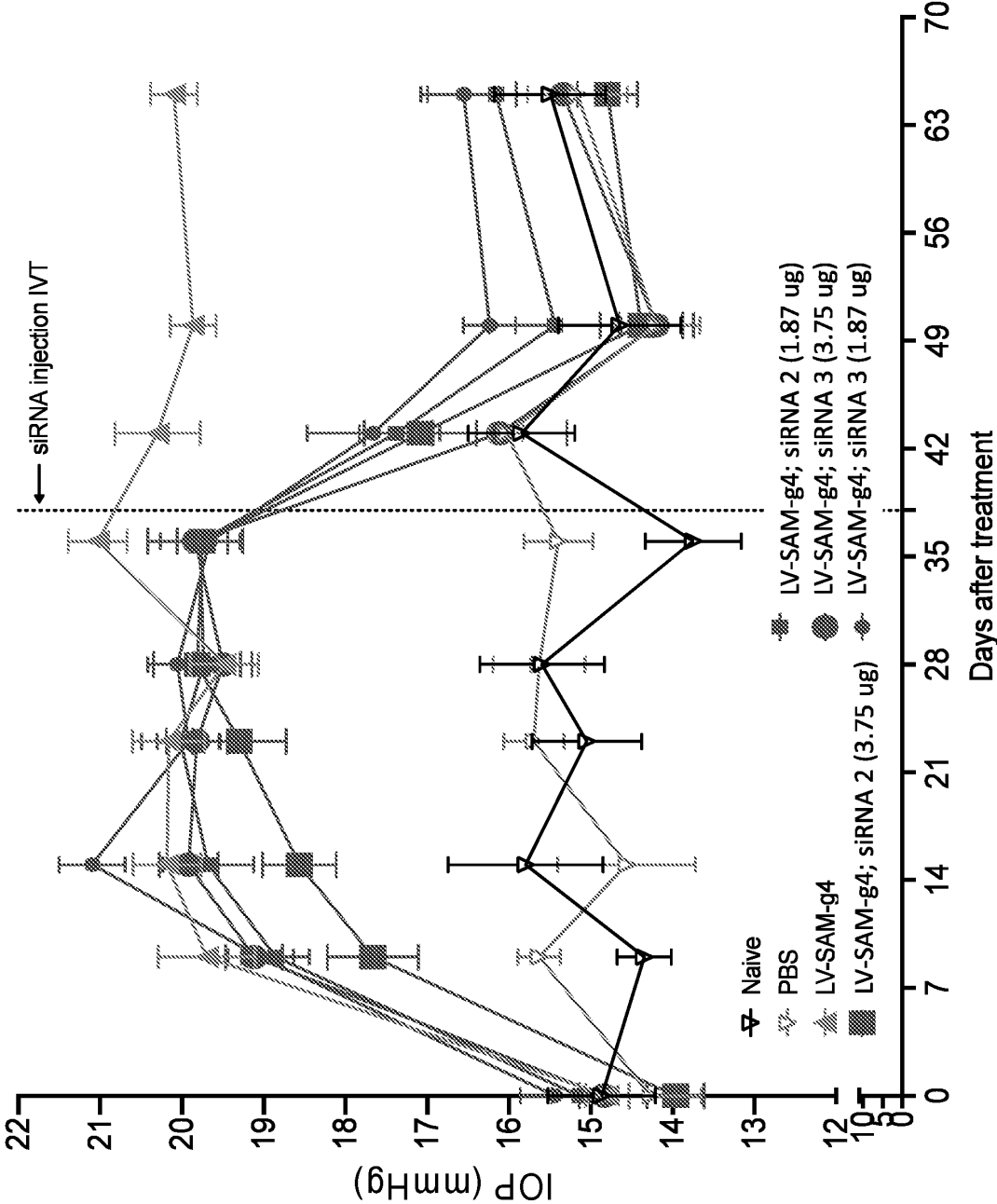
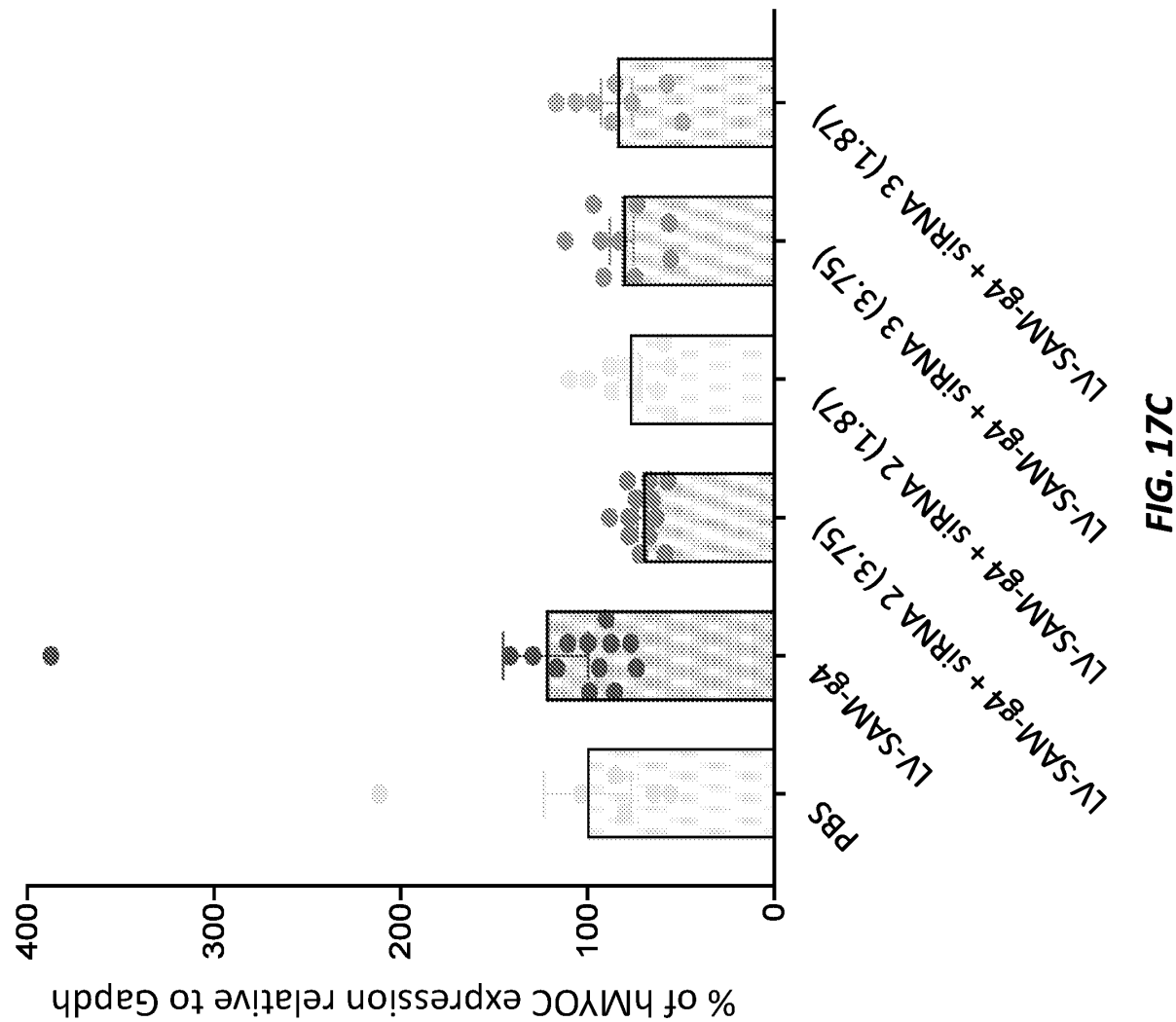


FIG. 17B



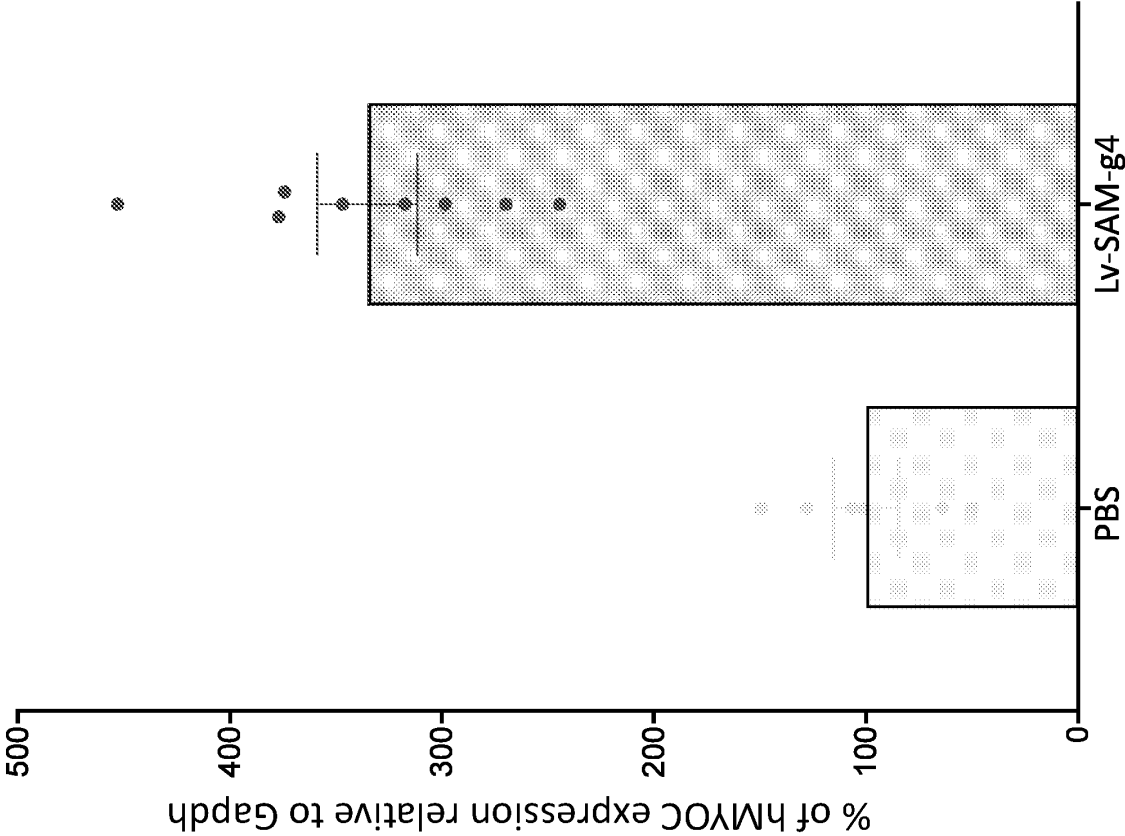


FIG. 18A

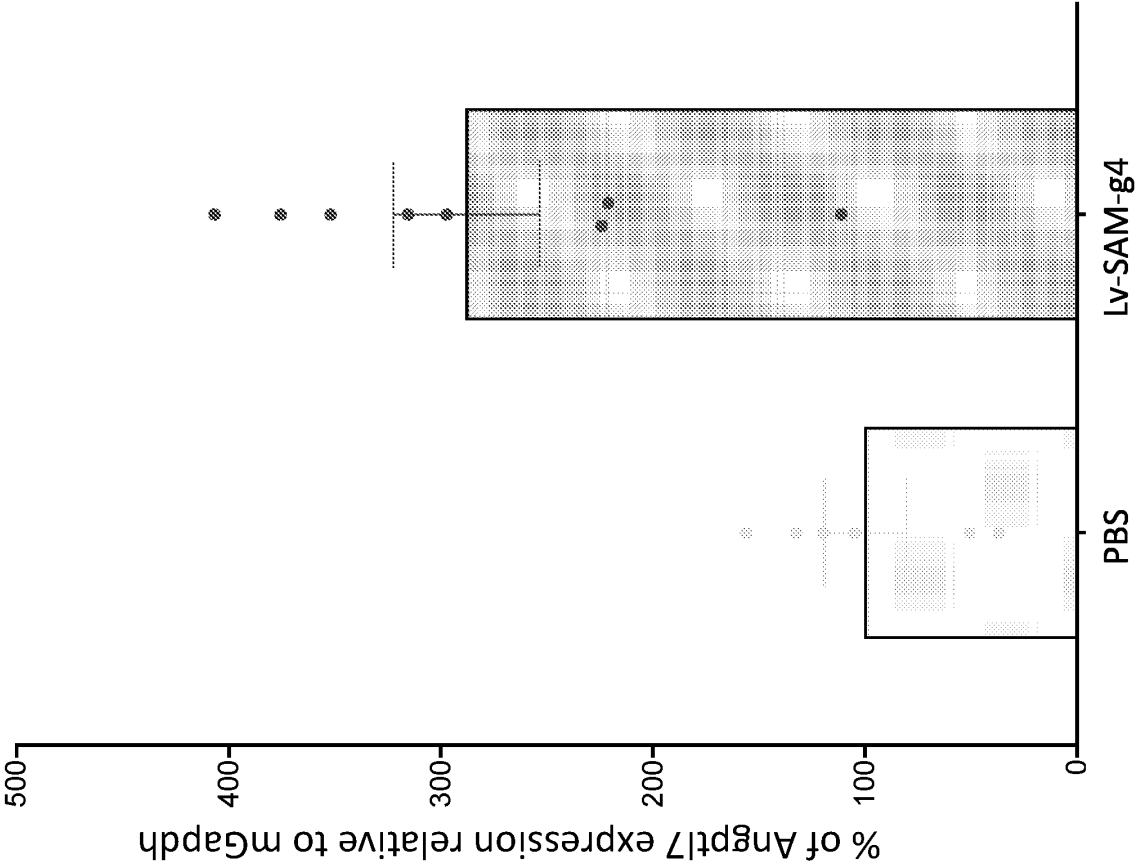


FIG. 18B

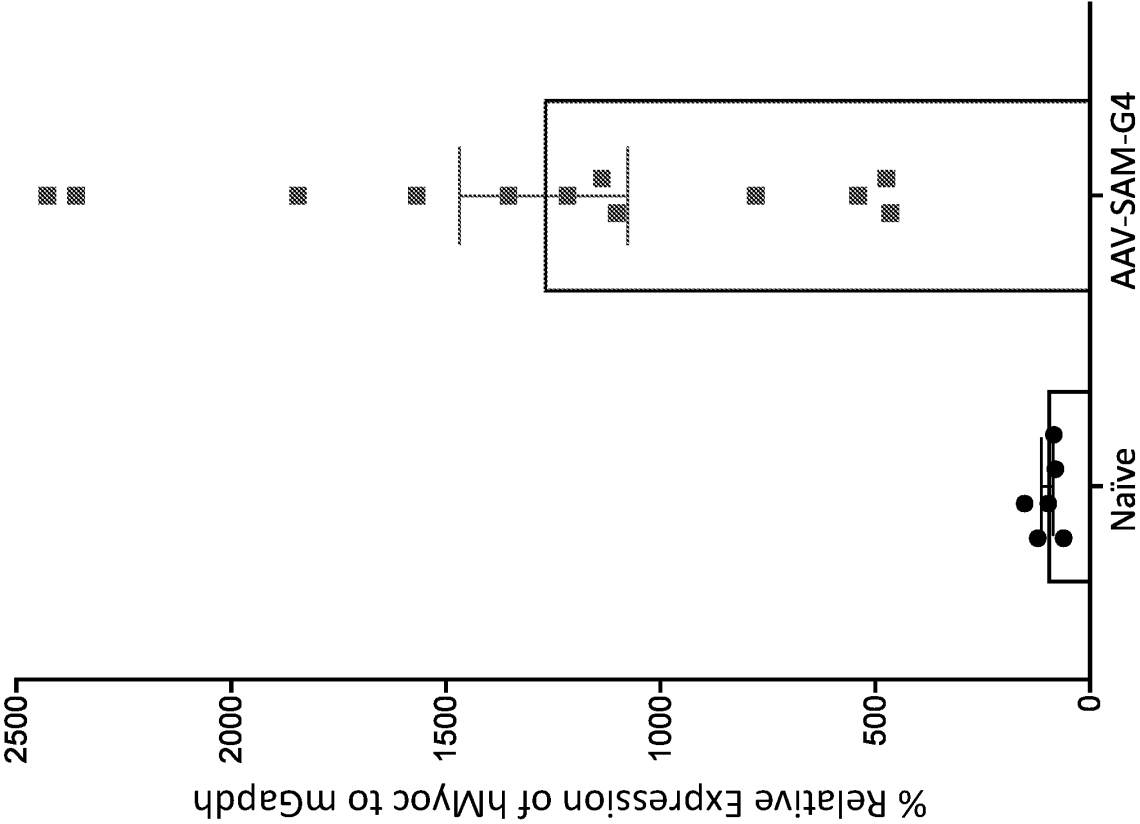
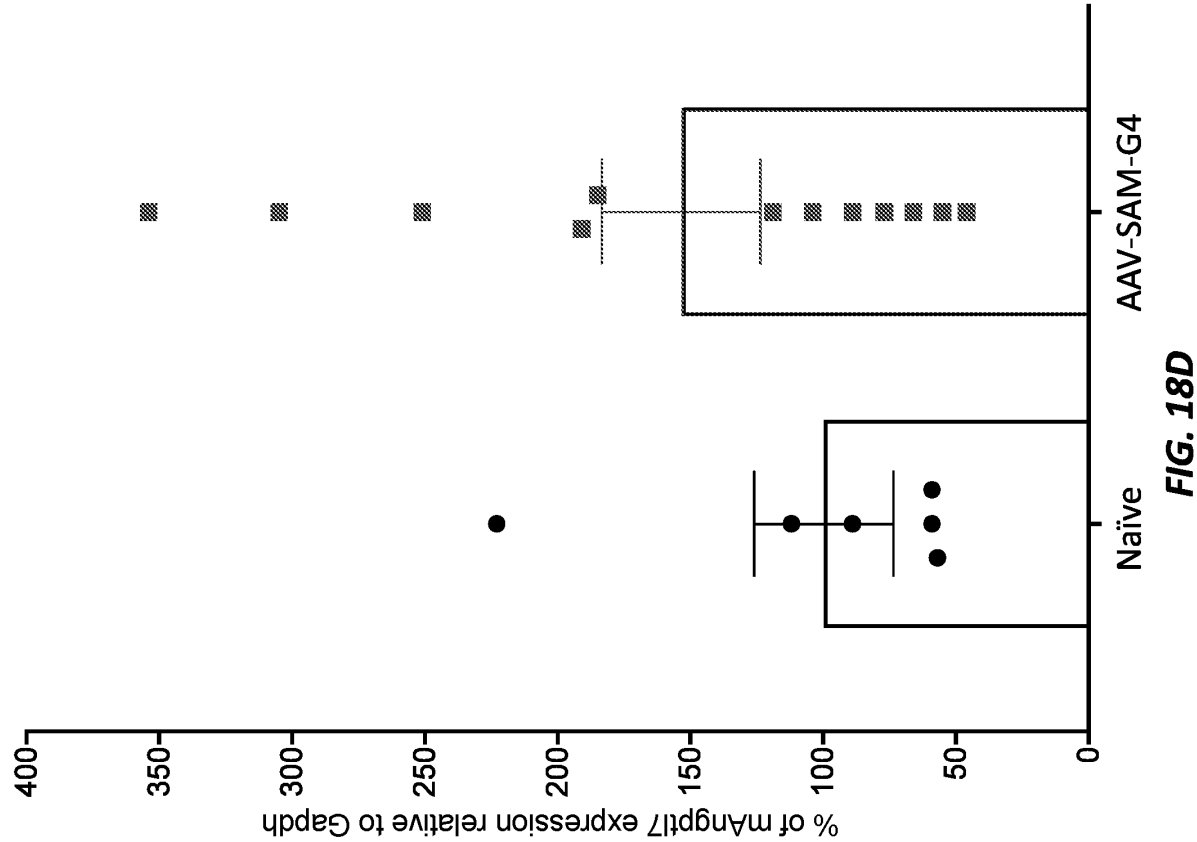


FIG. 18C



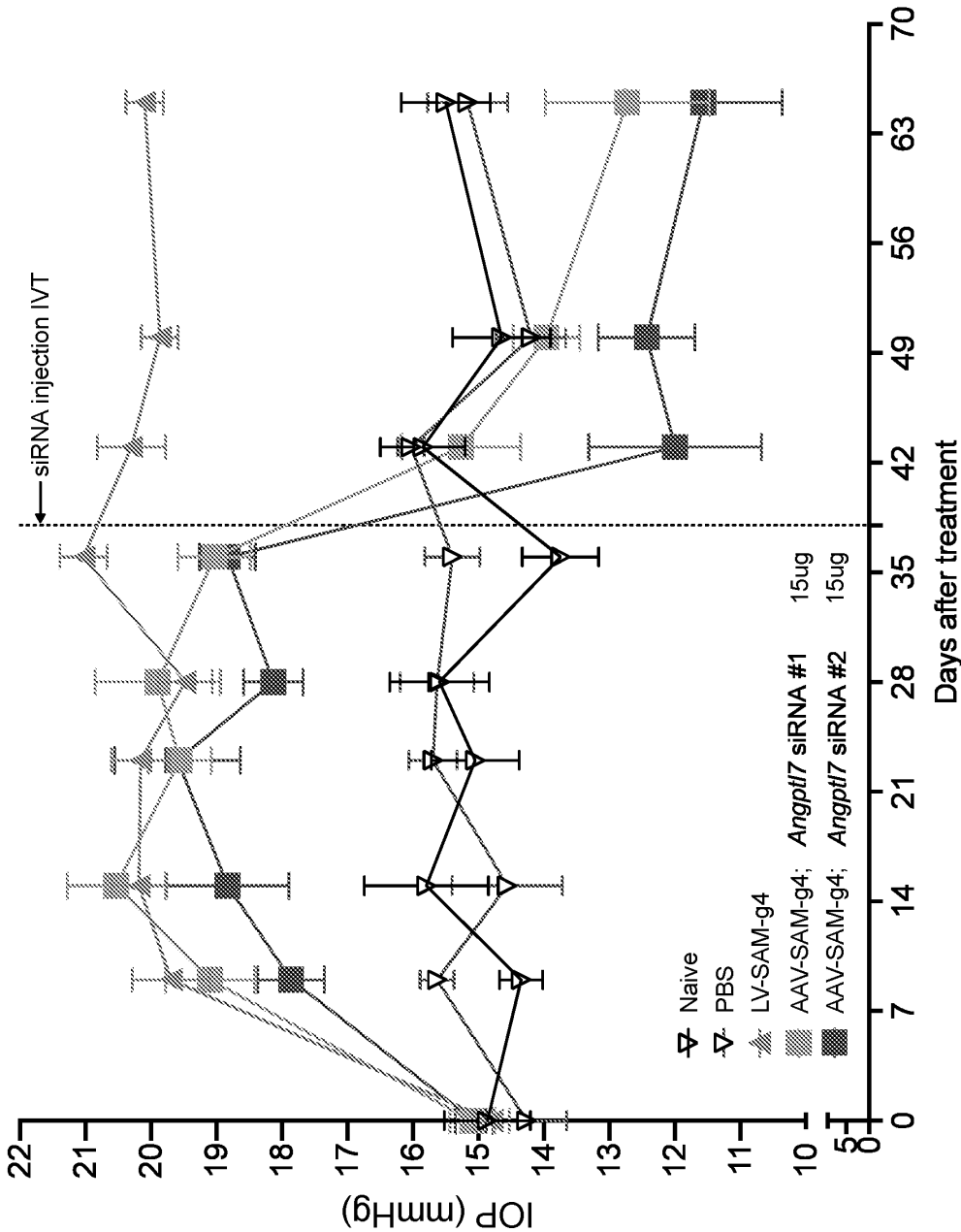


FIG. 19A

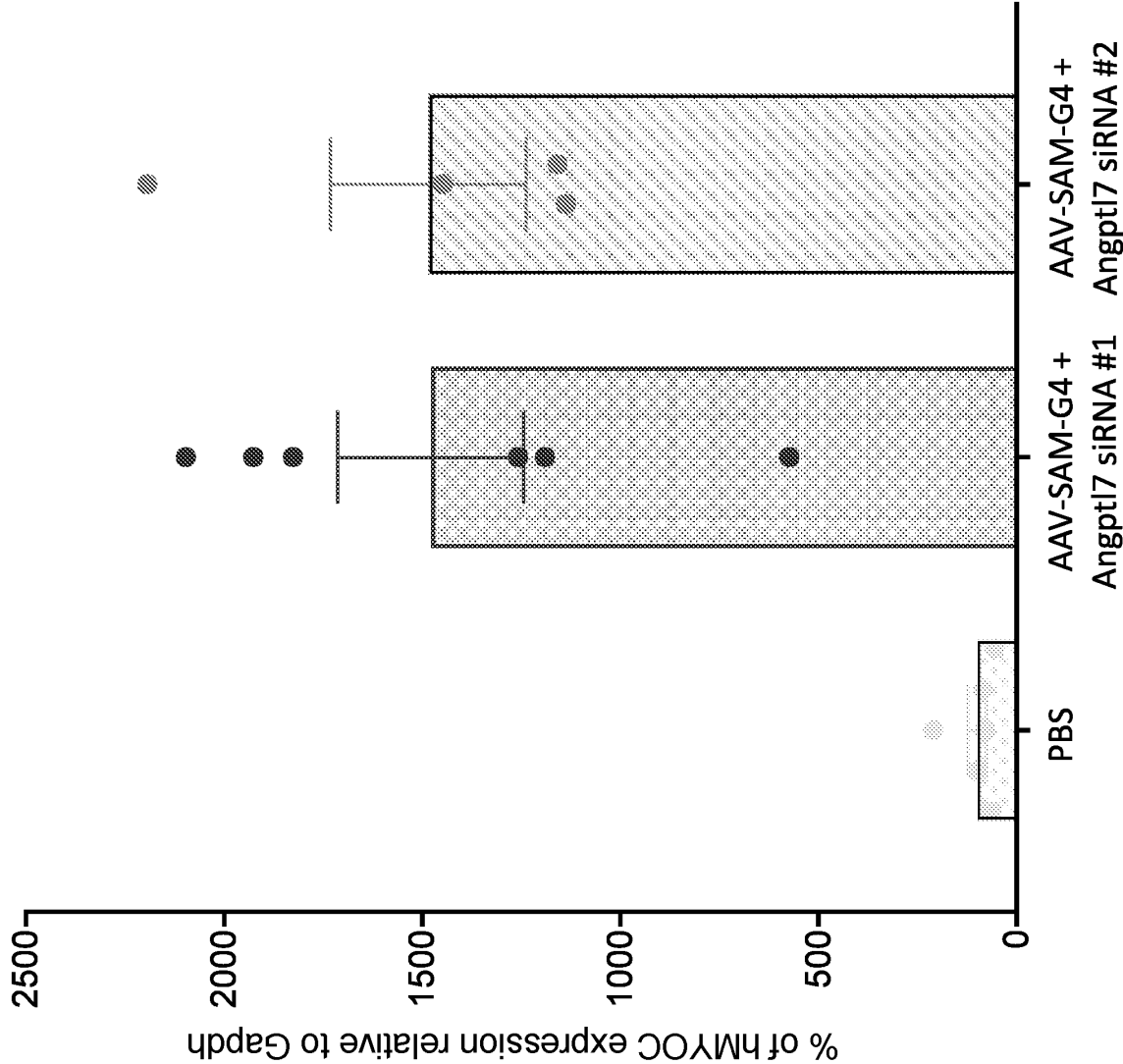
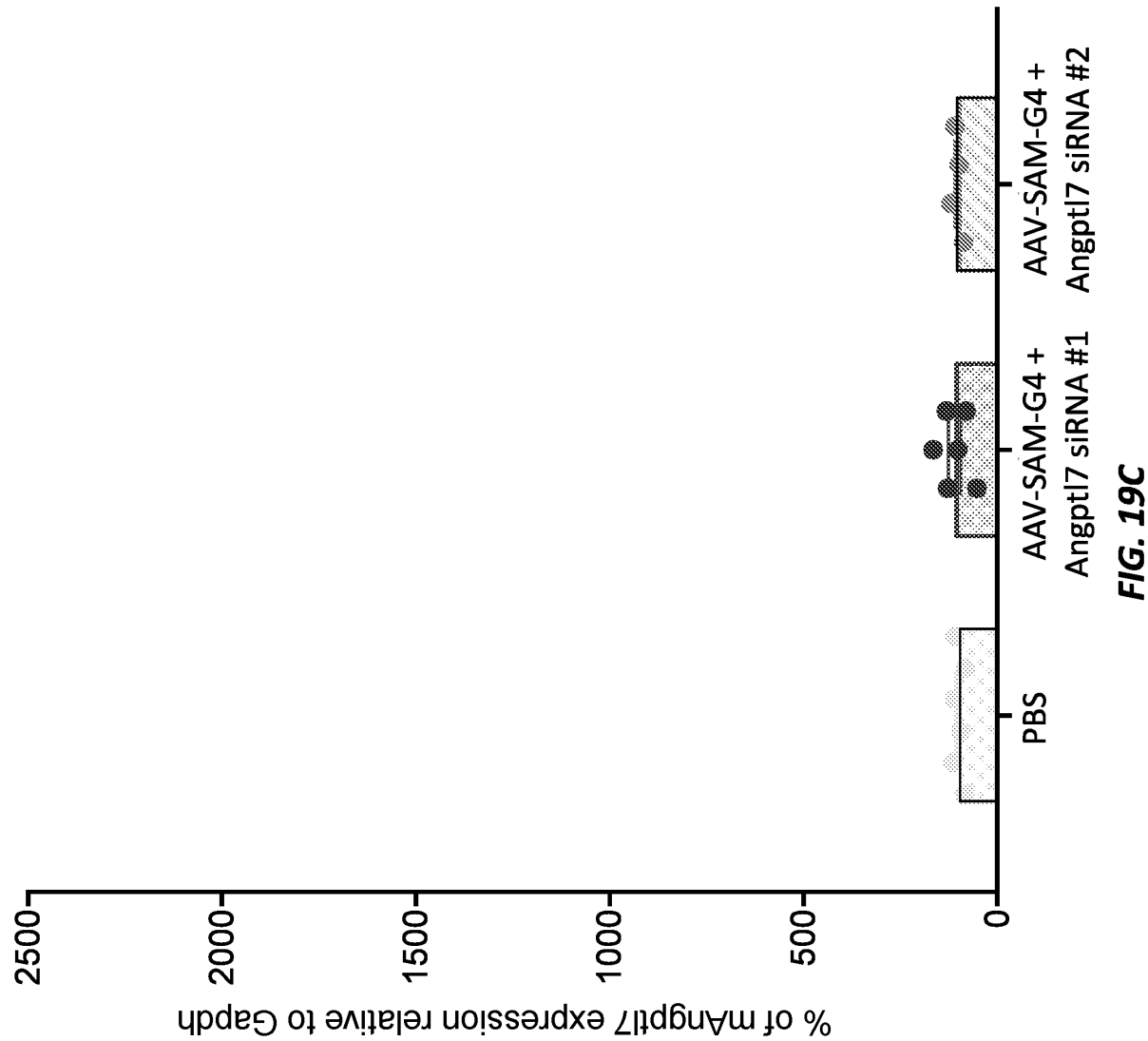


FIG. 19B



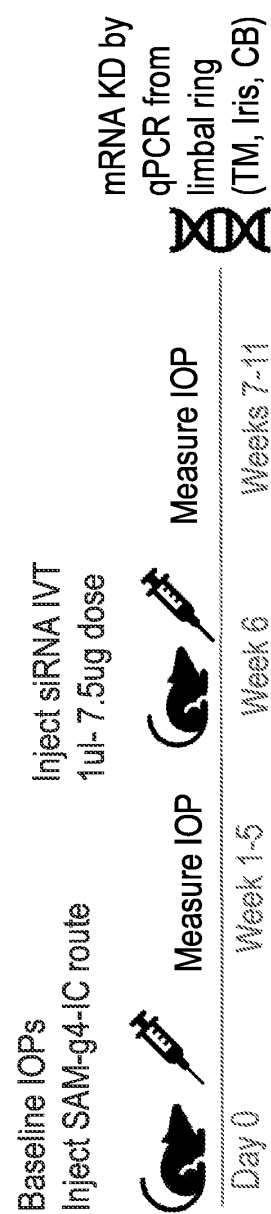


FIG. 20A

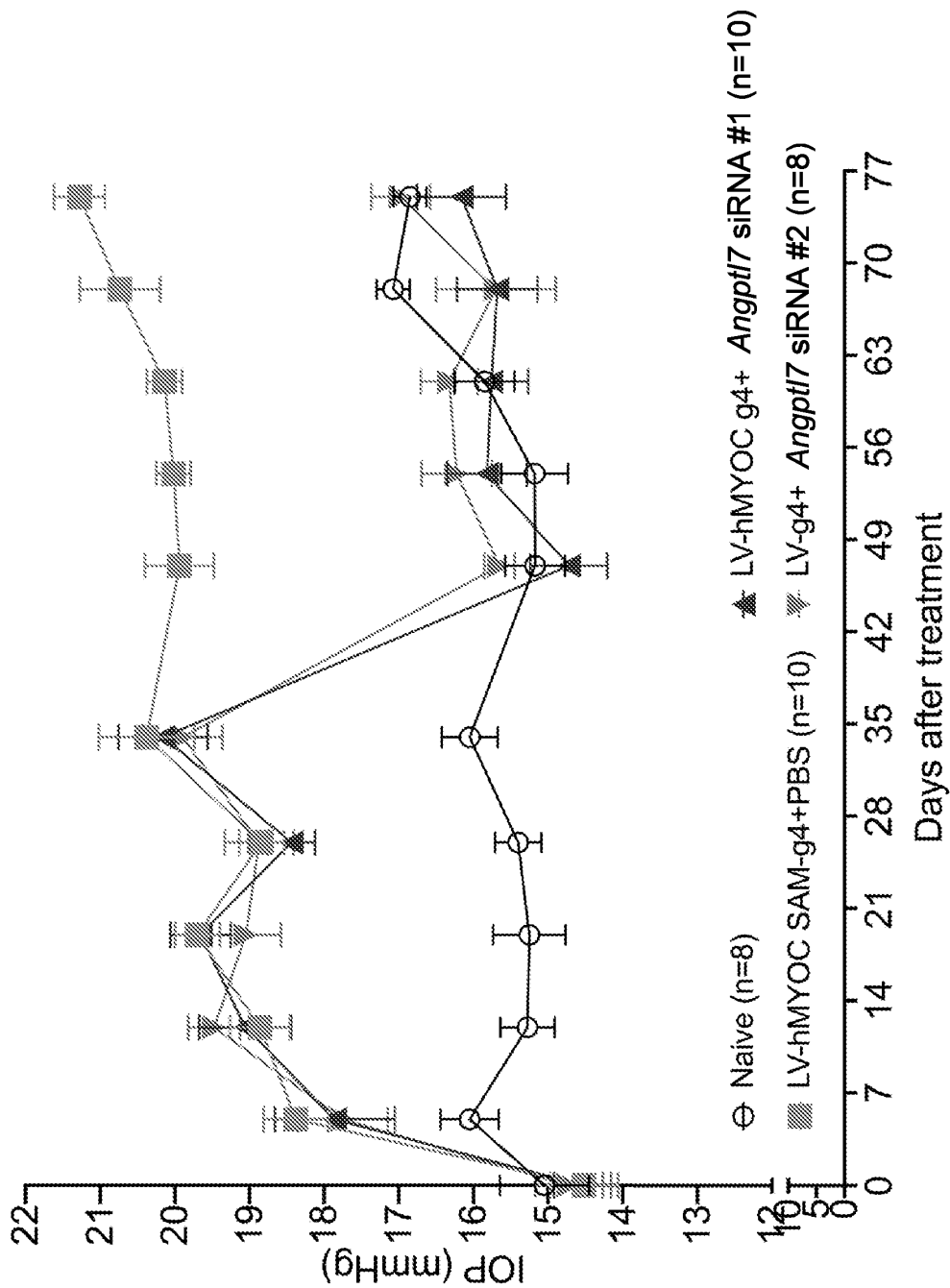


FIG. 20B

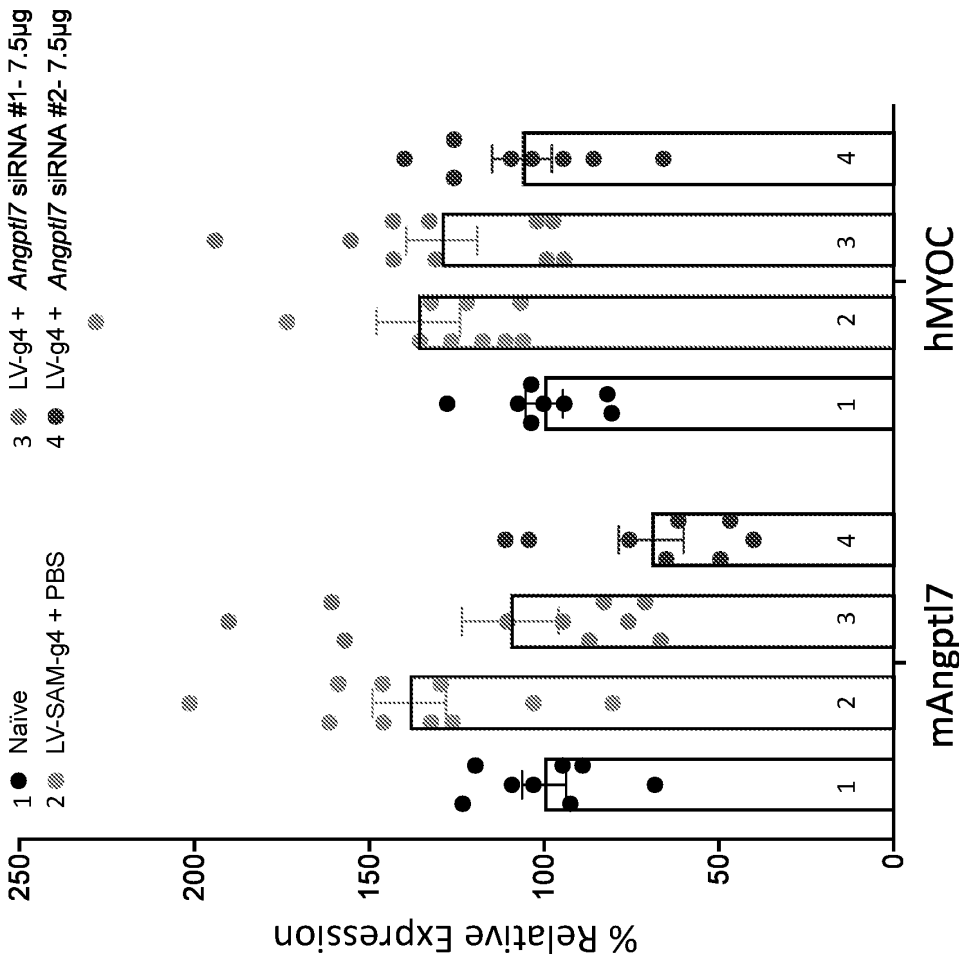


FIG. 20C