

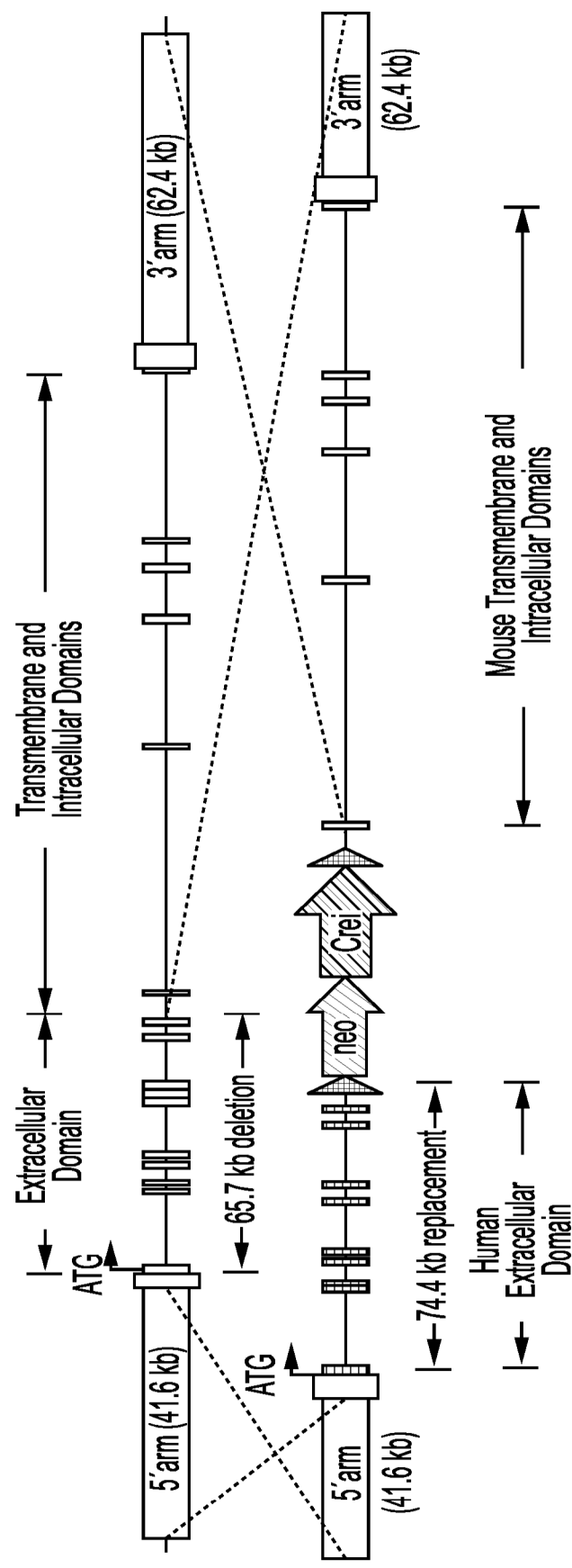


FIG. 1

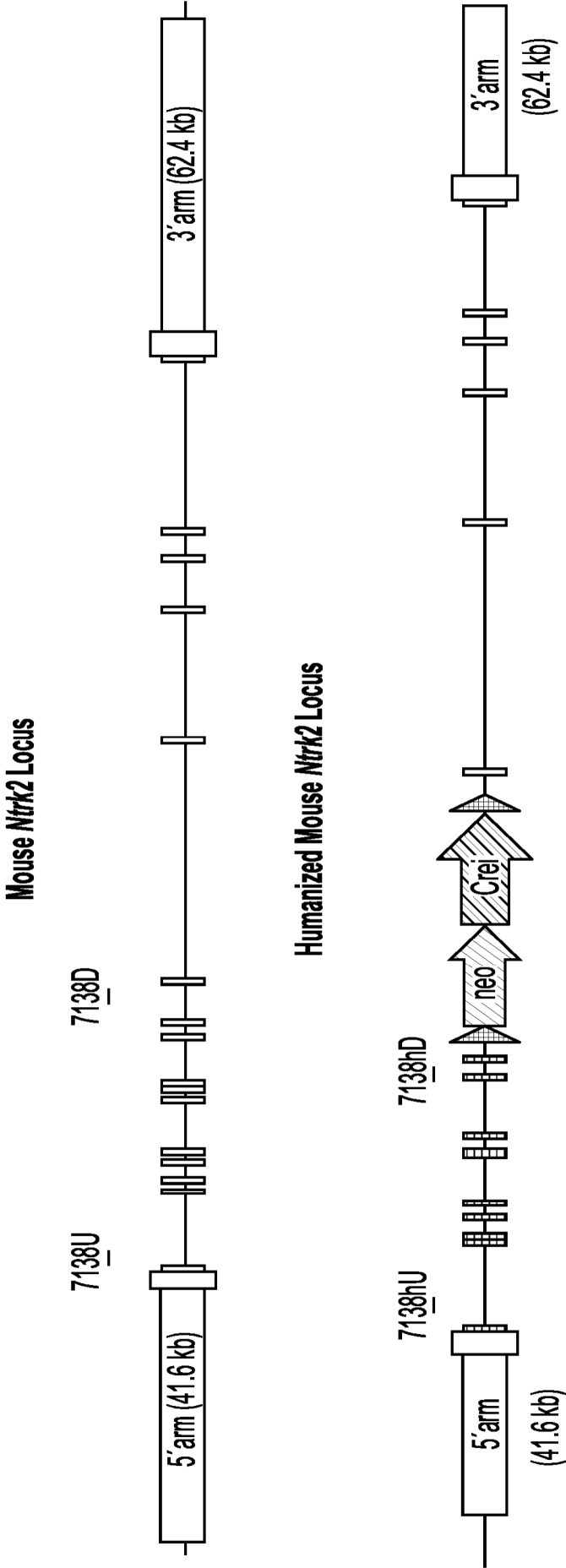


FIG. 2

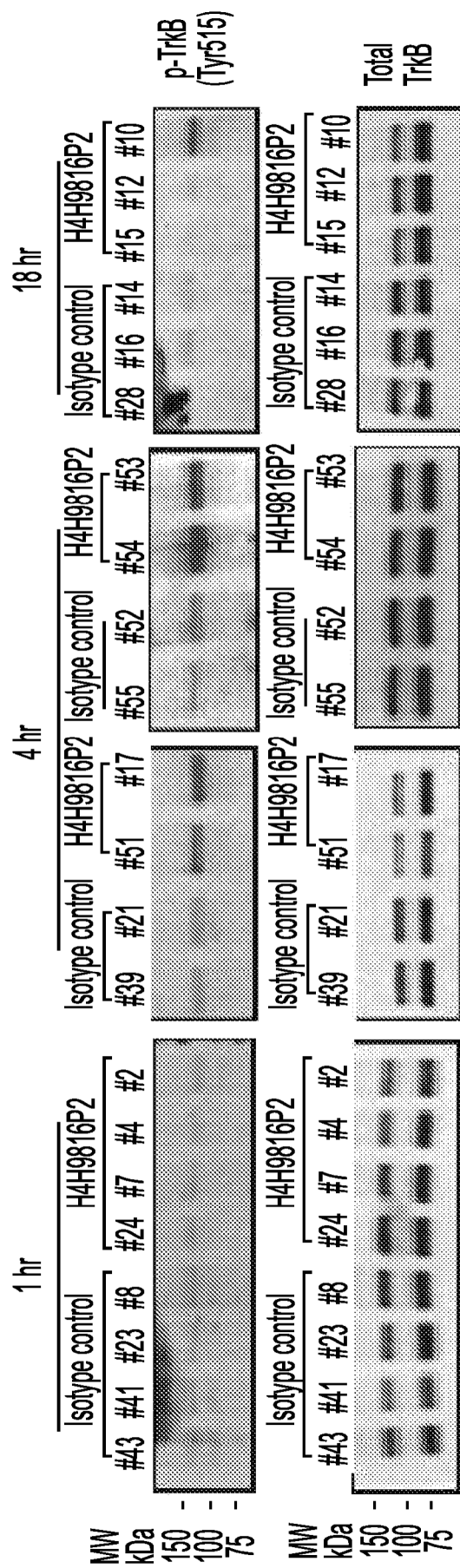
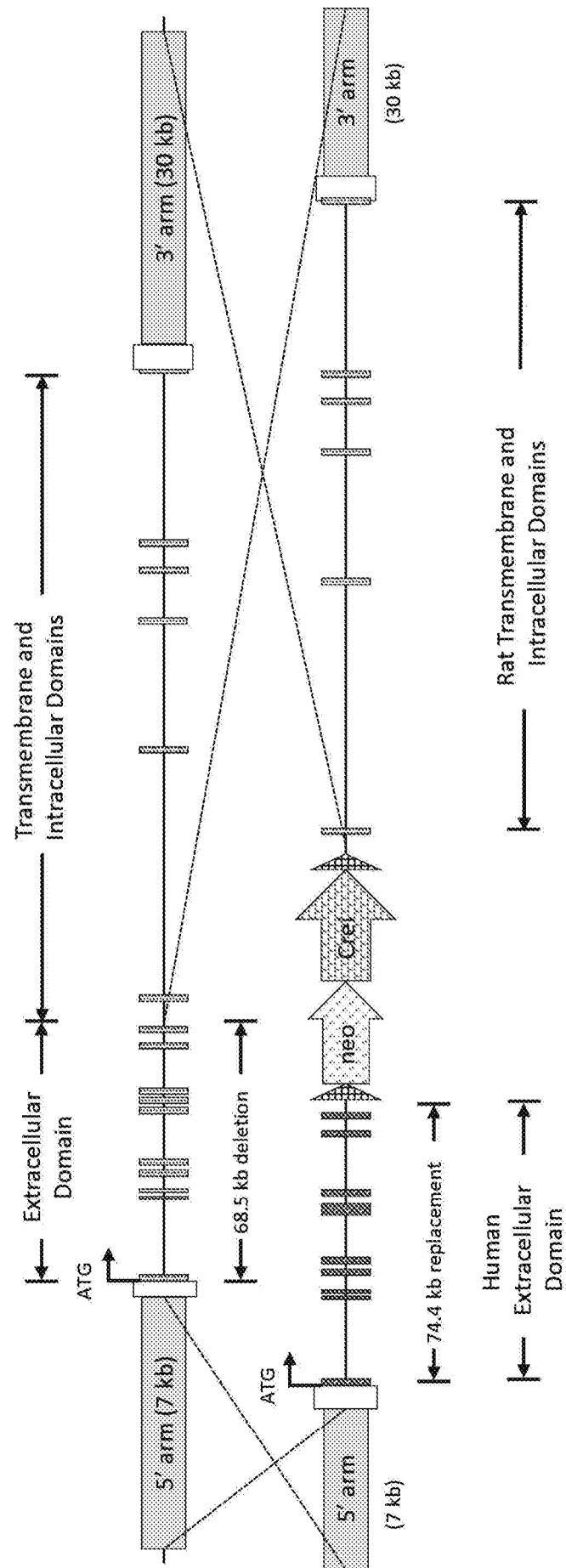
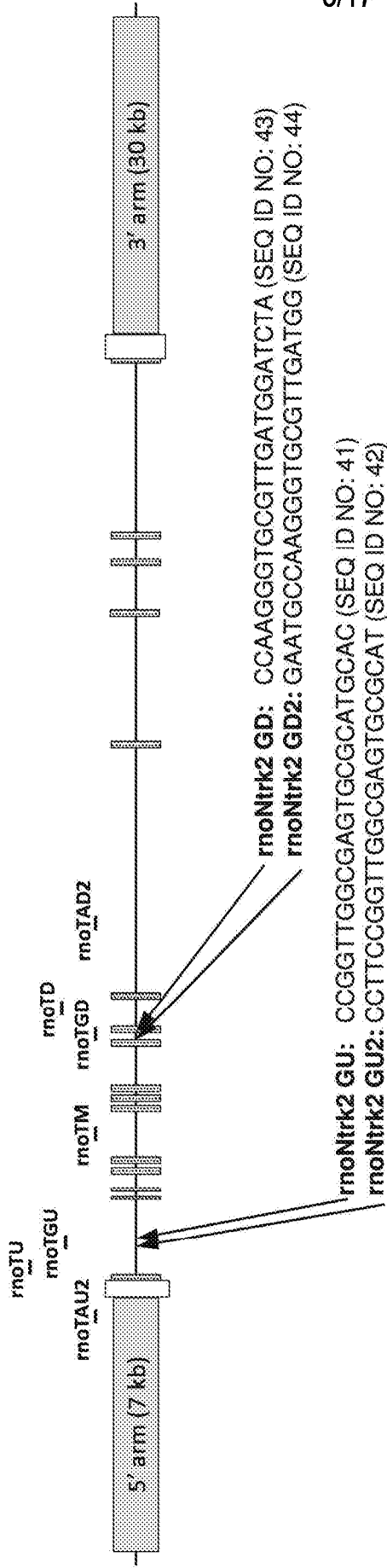


FIG. 3

**FIG. 4**

Rat *Ntrk2* Locus



Humanized Rat *Ntrk2* Locus

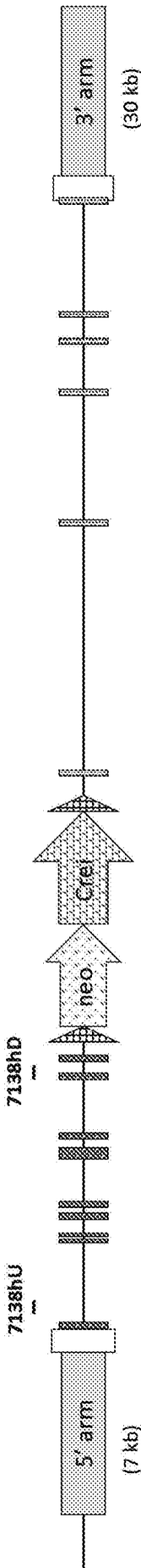


FIG. 5

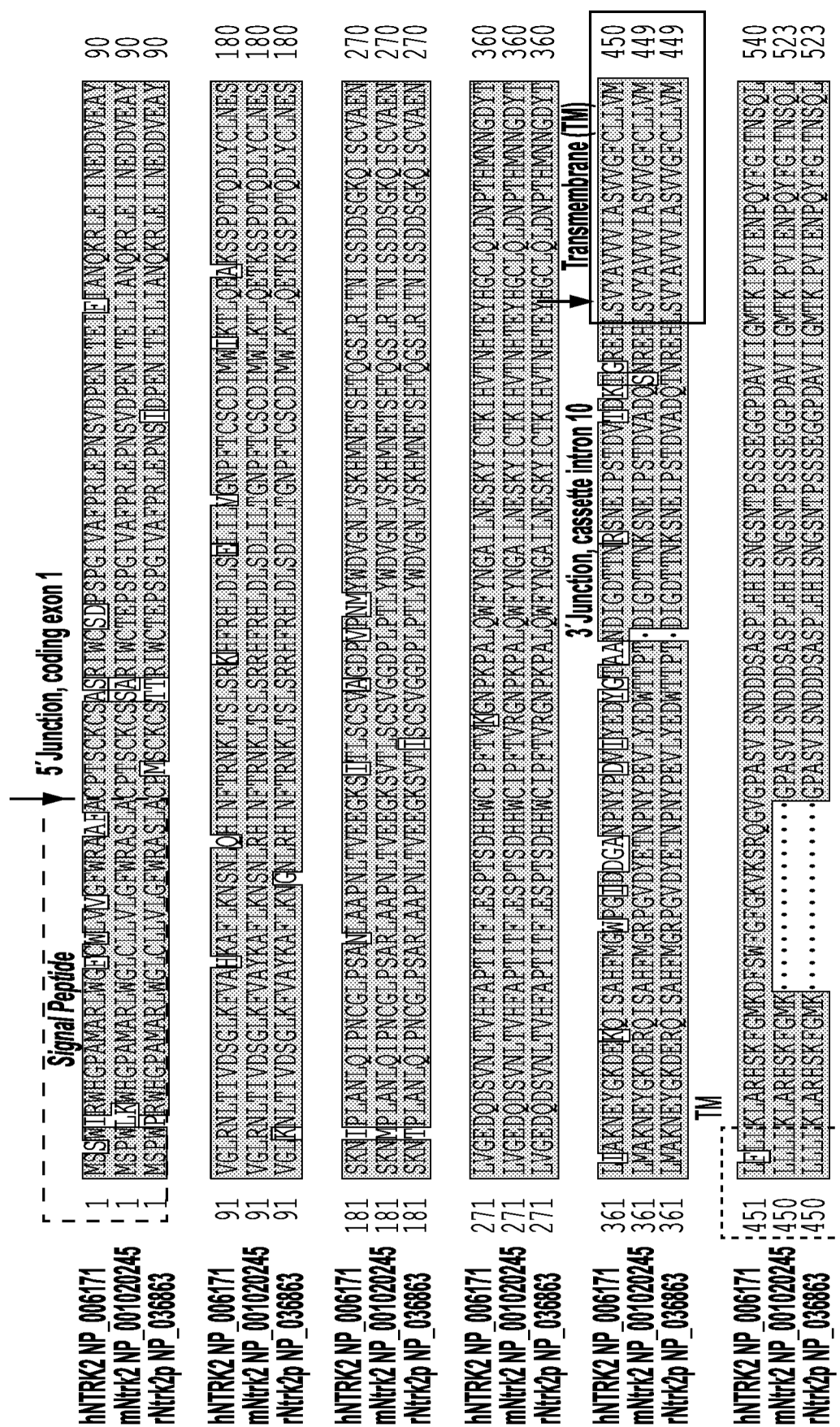


FIG. 6

hNTRK2 NP_006171	541	KPDTFVQHIKRNIIVLKREIGEGAEFGKVF	AECNVCPEQDKILVAVKTIKDA	SDNARKDFHRAEILLTNLQ	HEHIVKEYGVCVEGDP	630
mNtrk2 NP_001020245	524	KPDTFVQHIKRNIIVLKREIGEGAEFGKVF	AECNVCPEQDKILVAVKTIKDA	SDNARKDFHRAEILLTNLQ	HEHIVKEYGVCVEGDP	613
rNtrk2p NP_036863	524	KPDTFVQHIKRNIIVLKREIGEGAEFGKVF	AECNVCPEQDKILVAVKTIKDA	SDNARKDFHRAEILLTNLQ	HEHIVKEYGVCVEGDP	613
hNTRK2 NP_006171	631	MVFYMKHGDINKFIRAHGPD	DAVIMAEGNPPT	ELTQSOMLHIAQQTAA	GMVYLASQHEVHRD	720
mNtrk2 NP_001020245	614	MVFYMKHGDINKFIRAHGPD	DAVIMAEGNPPT	ELTQSOMLHIAQQTAA	GMVYLASQHEVHRD	703
rNtrk2p NP_036863	614	MVFYMKHGDINKFIRAHGPD	DAVIMAEGNPPT	ELTQSOMLHIAQQTAA	GMVYLASQHEVHRD	703
hNTRK2 NP_006171	721	DYRVGGHTMLPIRNMPPES	IMYRKFTTESDVNSL	GWLWEIFTY	GKQPWYQLSNNEV	810
mNtrk2 NP_001020245	704	DYRVGGHTMLPIRNMPPES	IMYRKFTTESDVNSL	GWLWEIFTY	GKQPWYQLSNNEV	793
rNtrk2p NP_036863	704	DYRVGGHTMLPIRNMPPES	IMYRKFTTESDVNSL	GWLWEIFTY	GKQPWYQLSNNEV	793
hNTRK2 NP_006171	811	ETRKNIKGTHITLLONAKAS	PVYLDILG			
mNtrk2 NP_001020245	794	ETRKNIKSHTITLLONAKAS	PVYLDILG			
rNtrk2p NP_036863	794	ETRKNIKNTHITLLONAKAS	PVYLDILG			
				(SEQ ID NO:3)		
				(SEQ ID NO:1)		
				(SEQ ID NO:2)		

FIG. 6 continued

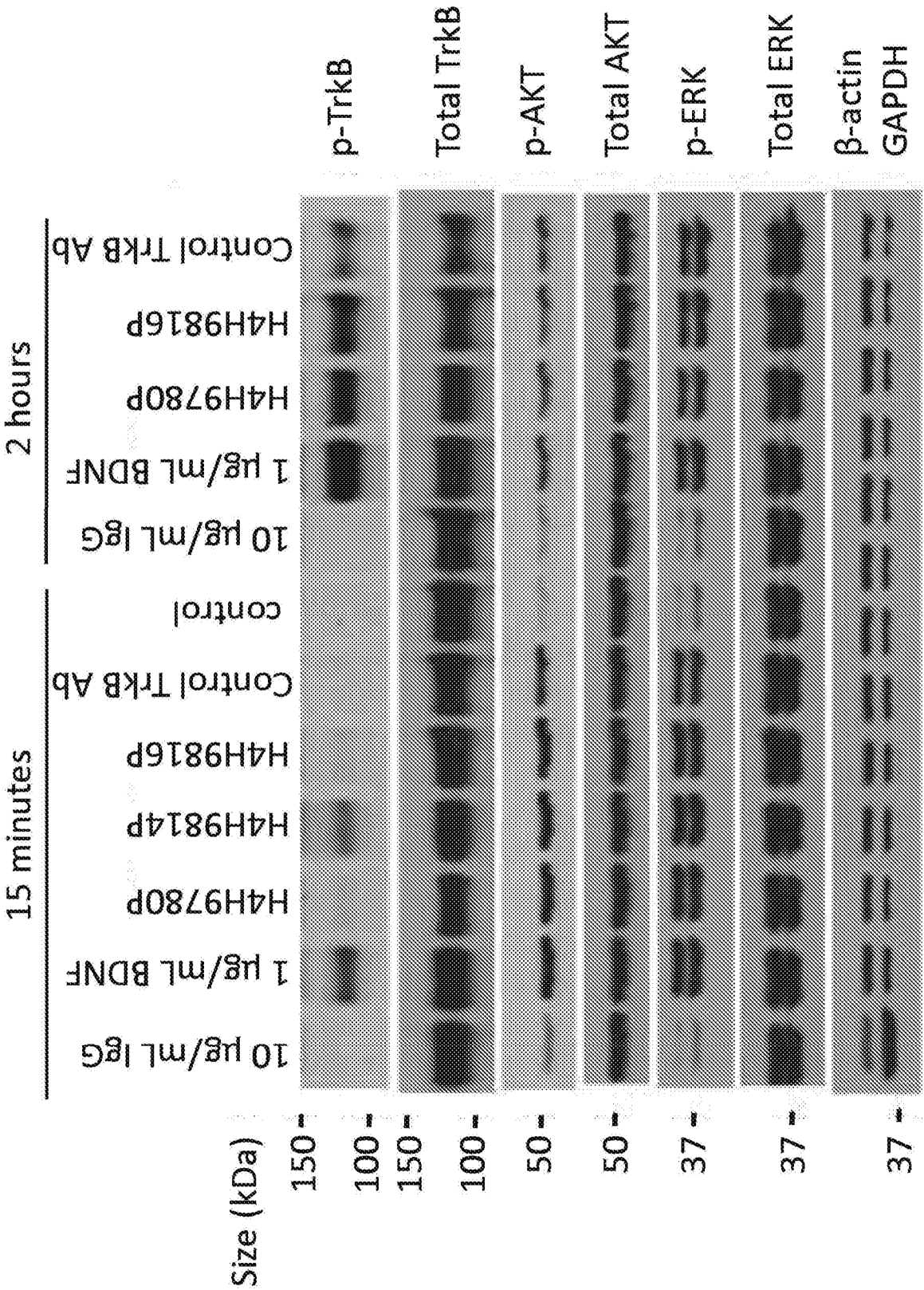


FIG. 7

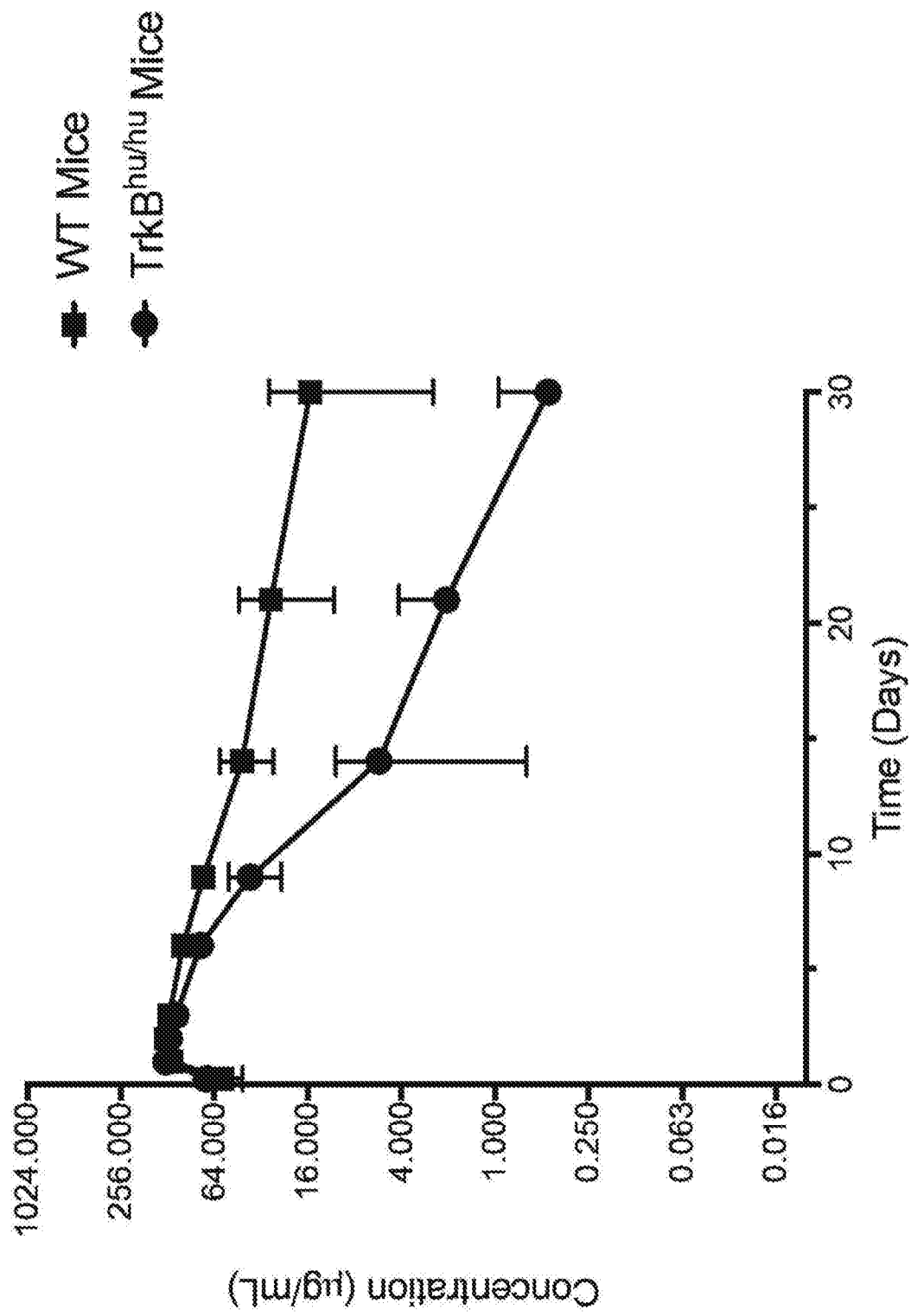


FIG. 8

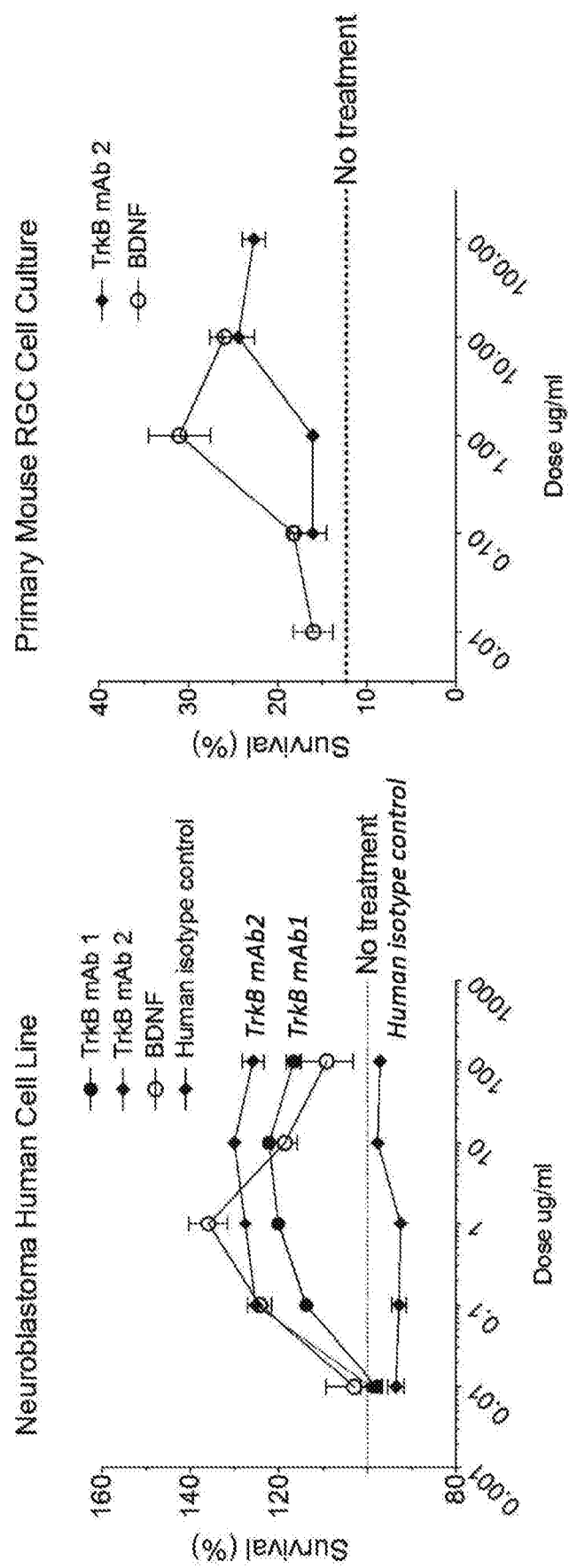


FIG. 9

FIG. 10

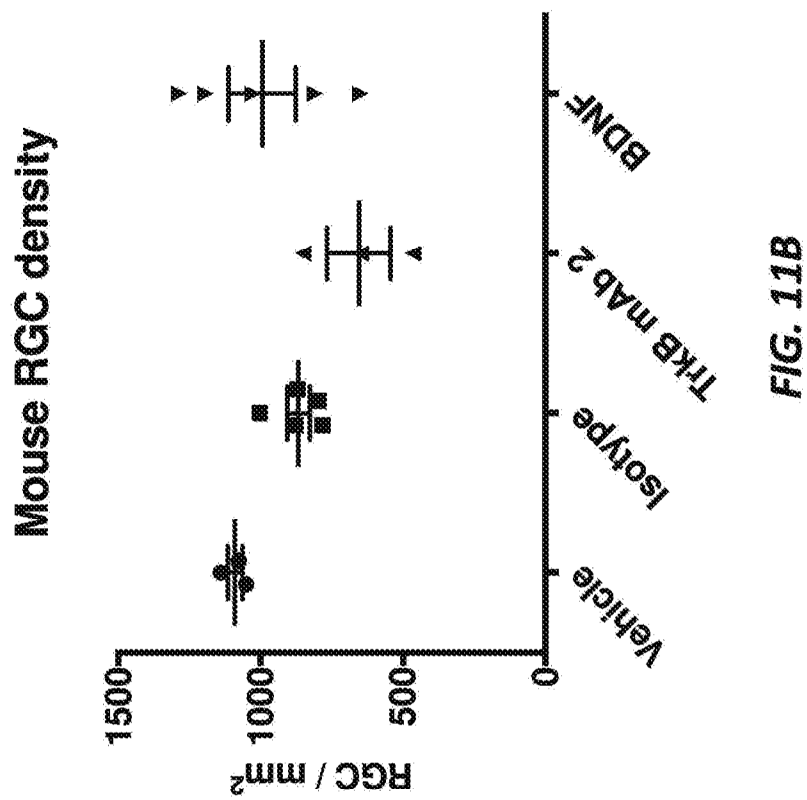


FIG. 11B

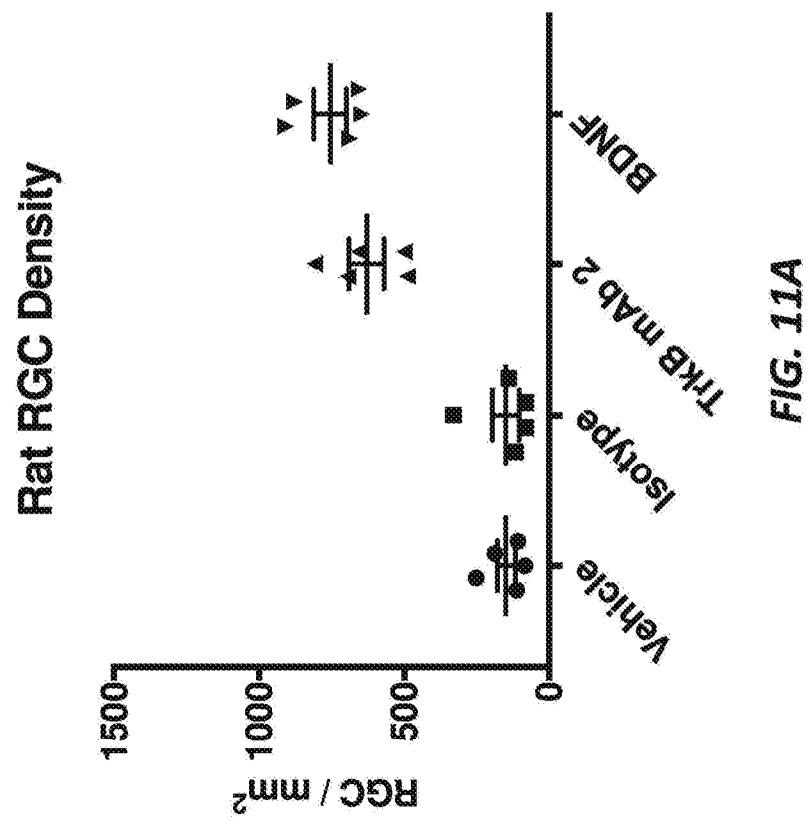


FIG. 11A

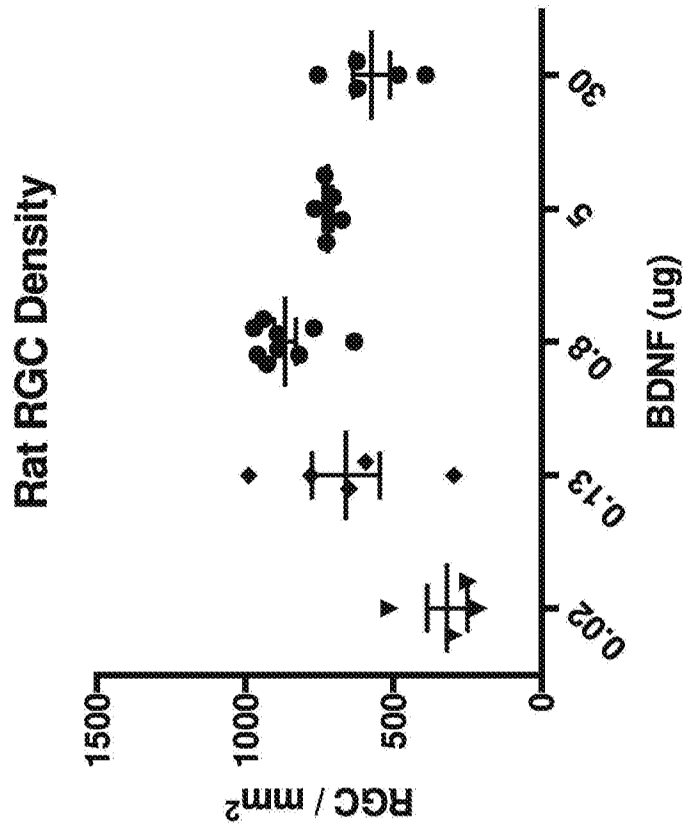


FIG. 12B

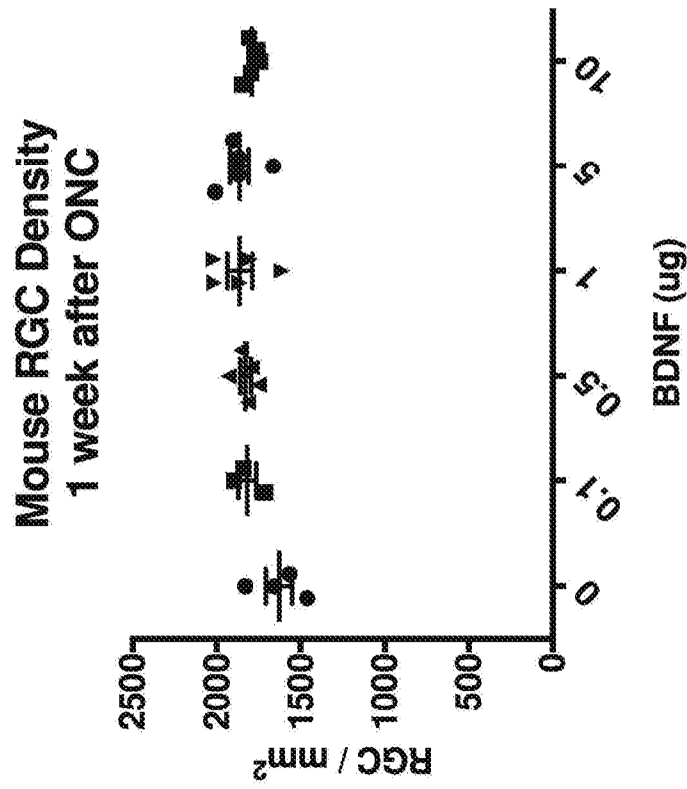


FIG. 12A

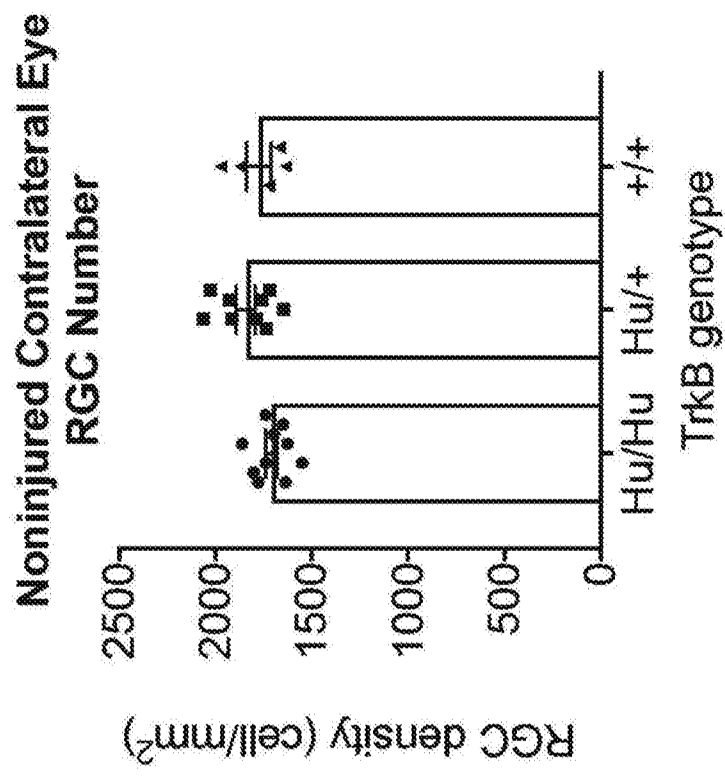


FIG. 13B

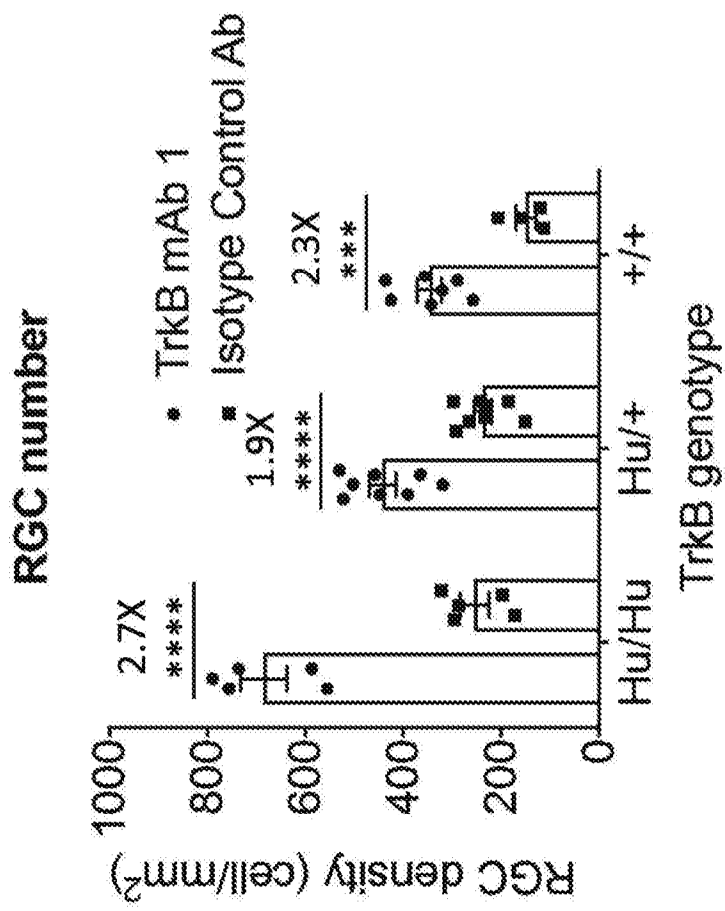
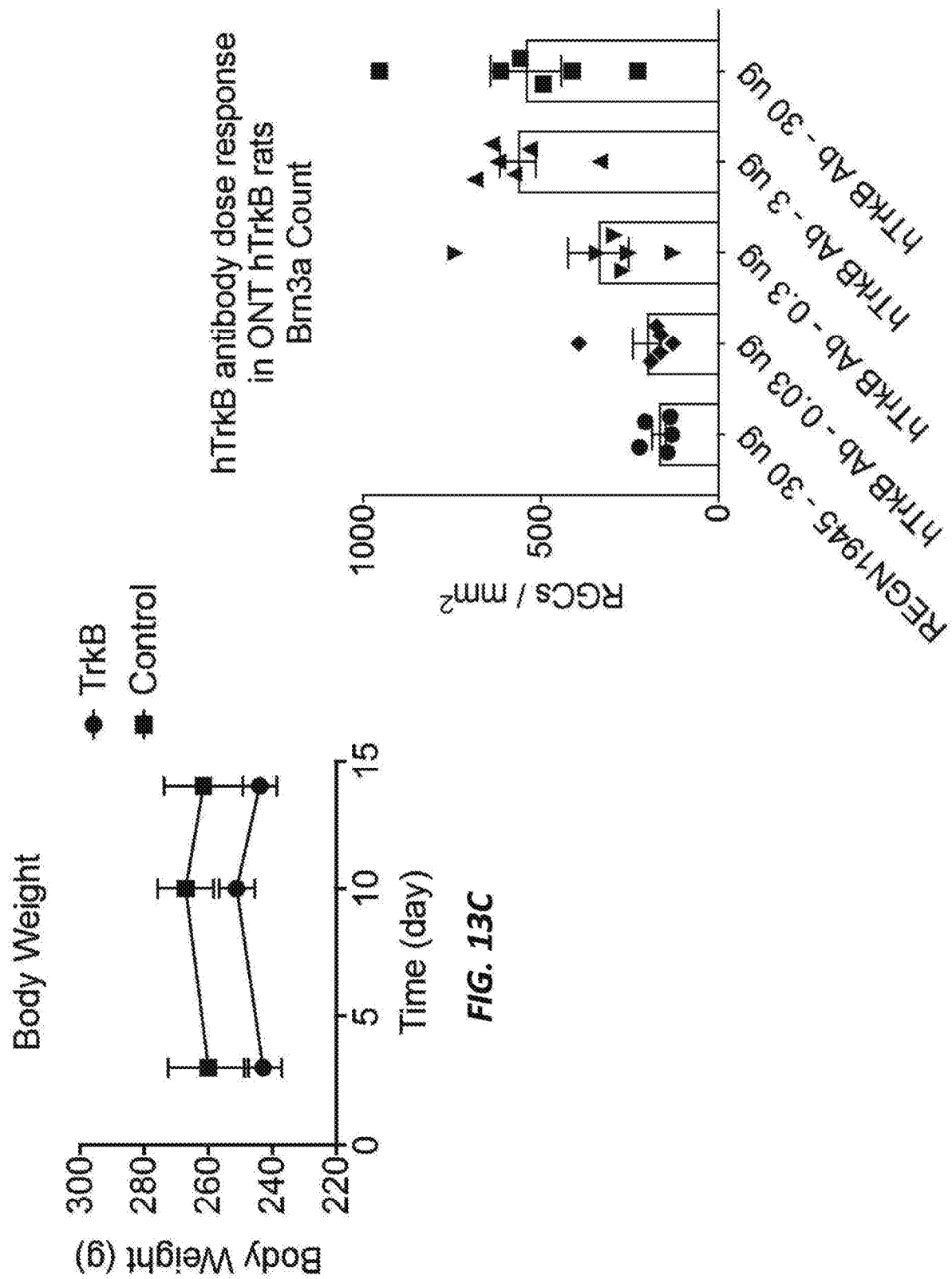


FIG. 13A



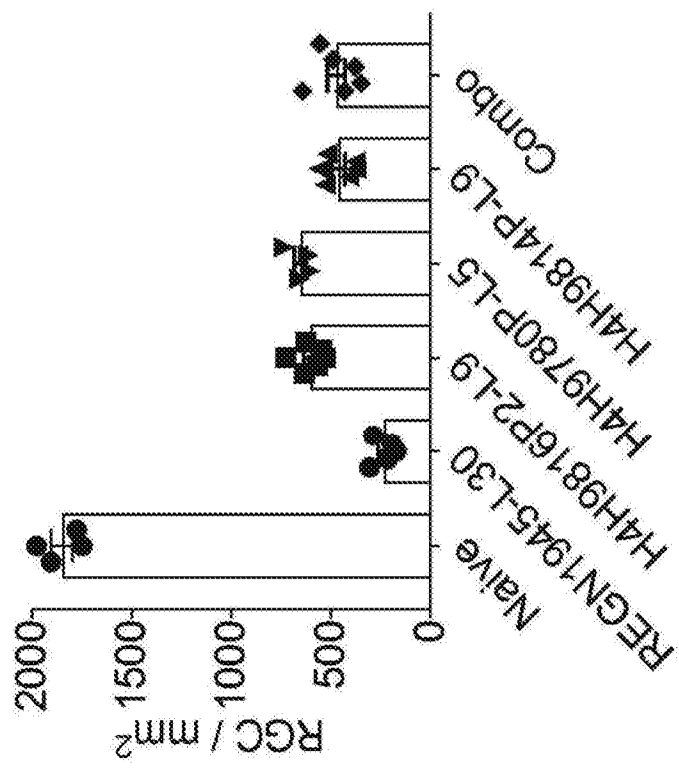


FIG. 15A

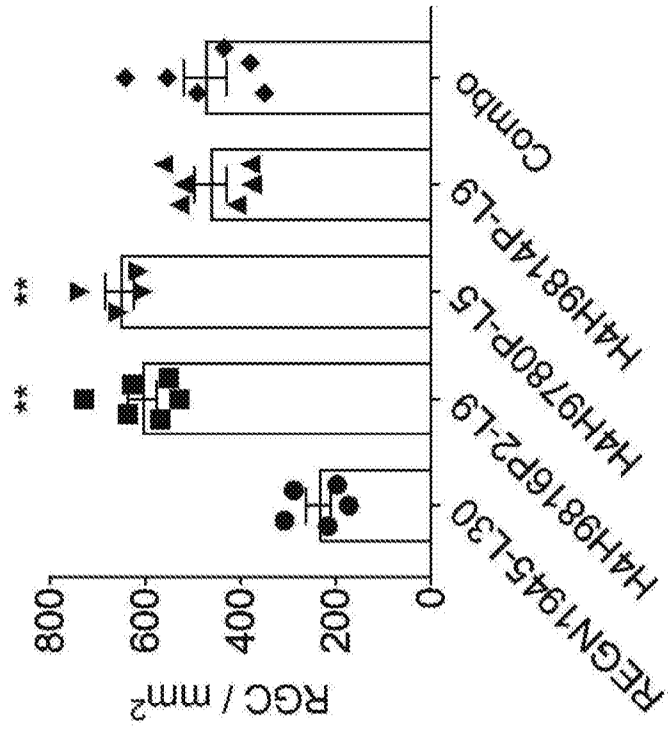
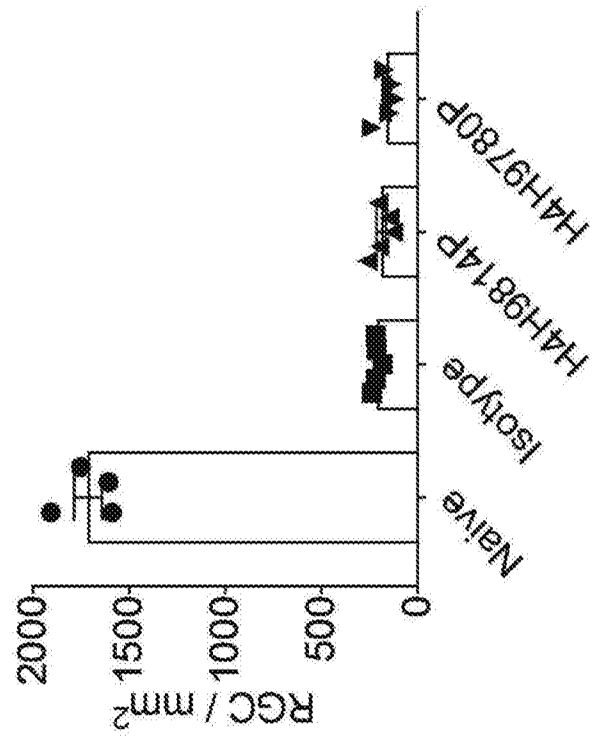


FIG. 15B

**FIG. 16**

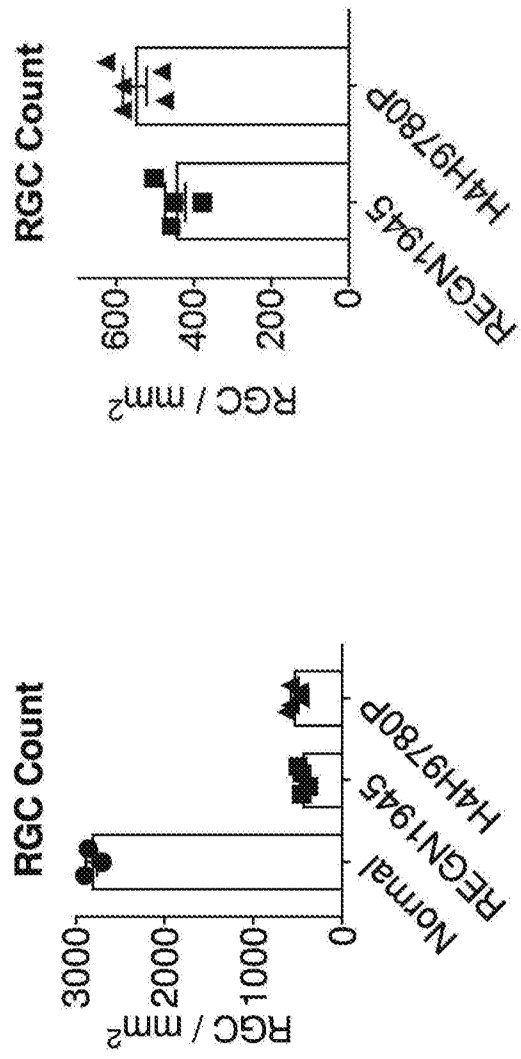


FIG. 17B

FIG. 17A

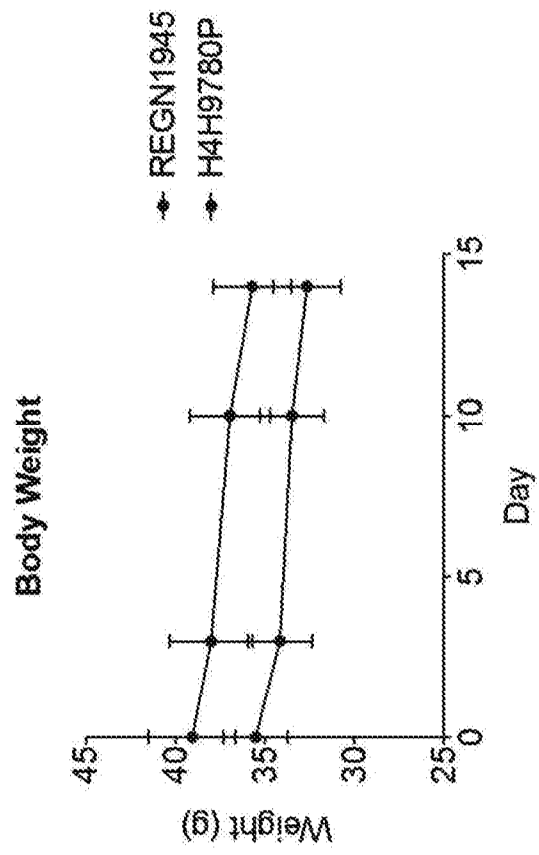


FIG. 17C