

Figure 1

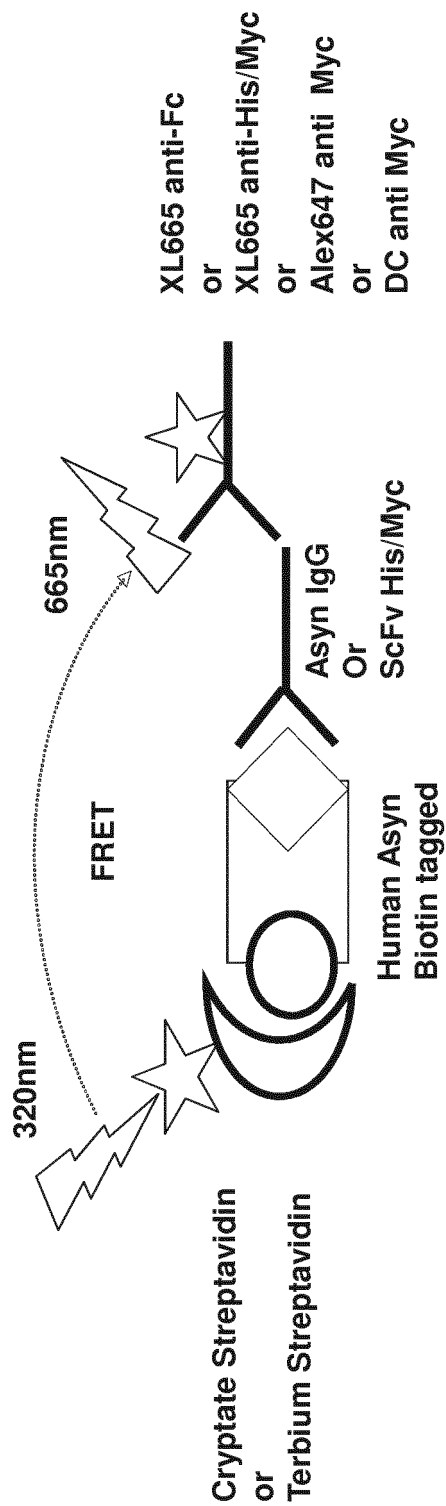


Figure 2

VH Alignment asyn0087 aslo0452 ngl-3 aslo0543	CDR1		CDR2	
	<u>EVQLLESGGGLVQPGGSLRLS</u> CAASGFTFSSYAMSWVRQAPGKGLEWVSAISGSGGSTYYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCAG		<u>QAVLTQPS</u> SLASPGASASLTCTILRSNNVGNRYRIYWYQQKSGSPFPQYLLRYKSDADKHQGGVPSRFGSKDASANAGILFISGLQSEDEADYYC	
	S..HL.....		P.....L.....	
			L.....	
asyn0087 aslo0452 ngl-3 aslo0543	CDR3		CDR1	
	<u>GAVN</u> YIYYGMDVWGQGTMTVSS		<u>QAVLTQPS</u> SLASPGASASLTCTILRSNNVGNRYRIYWYQQKSGSPFPQYLLRYKSDADKHQGGVPSRFGSKDASANAGILFISGLQSEDEADYYC	
	..NHGK.....K.....T.....		A.....APLEK.....P.....L.....	
	..RRGRI.....K.....T.....		A.....SGDFSR.....P.....L.....	
asyn0087 aslo0452 ngl-3 aslo0543	CDR3		CDR1	
	<u>MVWHSGAWVFGG</u> TKLTIVL		<u>QAVLTQPS</u> SLASPGASASLTCTILRSNNVGNRYRIYWYQQKSGSPFPQYLLRYKSDADKHQGGVPSRFGSKDASANAGILFISGLQSEDEADYYC	
	...DH.V.Y.....		A.....APLEK.....P.....L.....	
	...S....Y.....		A.....SGDFSR.....P.....L.....	

Figure 3A

GAG GTG CAG CTG TTG GAG TCT GGG GGA GGC TTG GTA CAG CCT GGG GGG TCC CTG	
E V Q L L E S G G L V Q P G G S L	
AGA CTC TCC TGT GCA GCC TCT GGA TTC ACC TTT AGC AGC TAT GCC ATG AGC TGG	
R L S C A A S S G F T F S S Y A M S W	VHCDR1
GTC CGC CAG GCT CCA GGG AAG GGG CTG GAG TGG GTC TCA TCC ATT TCC CAC CTT	
V R Q A P G G K G L E W V S S I S H L	VHCDR2
GGT GGT AGC ACA TAC TAC GCA GAC TCC GTG AAG GGC CGG TTC ACC ATC TCC AGA	
G G S T Y Y A D S V K C R F T I S R	
GAC AAT TCC AAG AAC ACG CTG TAT CTG CAA ATG AAC AGC CTG AGA GCC GAG GAC	
D N S K N T L Y L Q M N S L R A E D	
ACG GCC GTG TAT TAC TGT GCG GGA GGG GCA AAC CAC GGG AAG TAC TAC TAC GGA	
T A V Y Y C A G G A N H G K Y Y Y G	VHCDR3
ATG GAC AAG TGG GGC CAA GGG ACC ACG GTC ACC GTC TCC TCA	
M D K W G G Q G T T V T V S S	

Figure 3B

CAG GCT GTG CTG ACT CAG CCG GCT TCC CTC TCT GCG TCT CCT GGA GCA TCA GCC
 Q A V L T Q P A S L S A S P G A S A

 AGT CTC ACC TGC ACC TTG CGC AGT GGG GCG CCC CTG CCG AAG TAT AGG ATA TAC
 S L T C T L R S G A P L P K Y R I Y
 VLCDR1

 TGG TAT CAG CAG AAG CCA GGG AGT CCT CCC CAG TAT CTC CTG AGG TAC AAA TCA
 W Y Q Q K P G S P P Q Y L L R Y K S
 VLCDR2

 GAC GCA GAT AAA CAC CAG GGC TCT GGA GTC CCC AGC CGC TTT TCT GGA TCC AAA
 D A D K H Q G S G V P S R F S G S K

 GAT GCT TCG GCC AAT GCA GGG ATT TTA CTC ATC TCT GGG CTC CAG TCT GAG GAT
 D A S A N A G I L L I S G L Q S E D

 GAG GCT GAC TAT TAT TAT TGT ATG GTT TGG GAC CAC GGC GTC TGG TAT TTC GGC GGA
 E A D Y Y C M V W D H G V W Y F G G
 VLCDR3

 GGG ACC AAG CTG ACC GTC CTA
 G T K L T V L

Figure 3C

as100452 ng1-3 EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSVWRQAPGKGLEWVS
IGHV3-23*01 EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSVWRQAPGKGLEWVS
Vernier (*) * **** * ***

VHCDR1

as100452 ng1-3 SISHLGGSTYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCA
IGHV3-23*01 AISGGGGSTYYADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYYCA
Vernier (*)

VHCDR2

aslo0452 ngl-3
IGHJH6
GANHGKYYGMDKWGQGTTIVSS
WGQGTTIVSS

VHCDR3

aslo0452 ng1-3 QAVLTQPASLSASPGASASLTCTLRSGAPLPKYRIYWYQQKPGSPQYLLR
IGLV5-45*01 QAVLTQPASLSASPGASASLTCTLRSGINVGTYRIYWYQQKPGSPQYLLR
Vernier (*) * * * *

VLCDR1

as100452 ng1-3	YKSDADKHQGGVPSRFSGSKDASANAGILLISGLQSEDEADYCMVWDHGVWY
IGLV5-45*01	<u>YKSDSDKQQGGVPSRFSGSKDASANAGILLISGLQSEDEADYCMIWH...WV</u>
Vernier (*)	* * * * *

VLCDR2

VLCDR3

aslo0452 ngl-3 FGGGKLTIV---L
IGJL2, 3 FGGGKLTIV---L
Vernier (*) *

Figure 3D

Figure 4

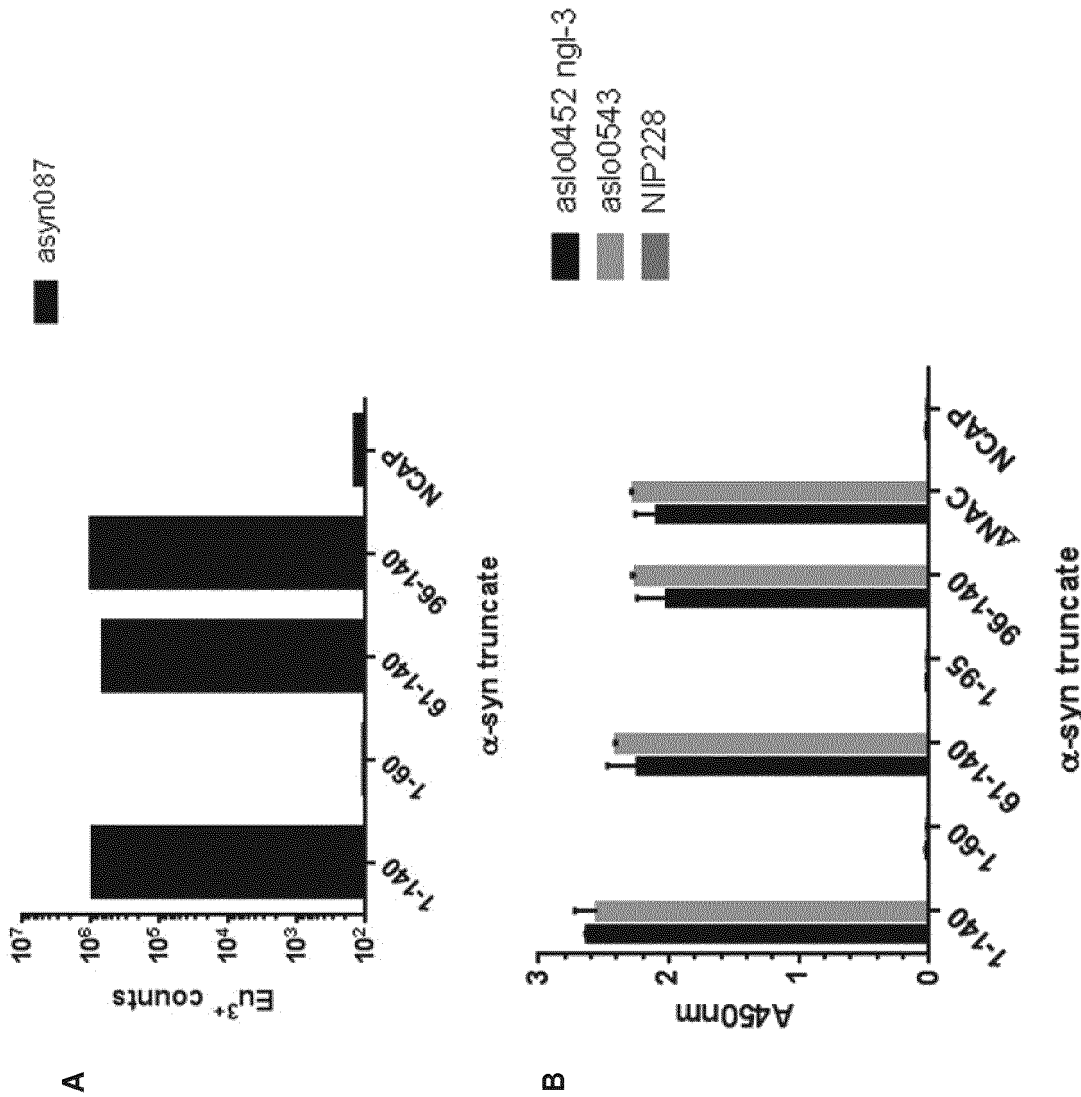
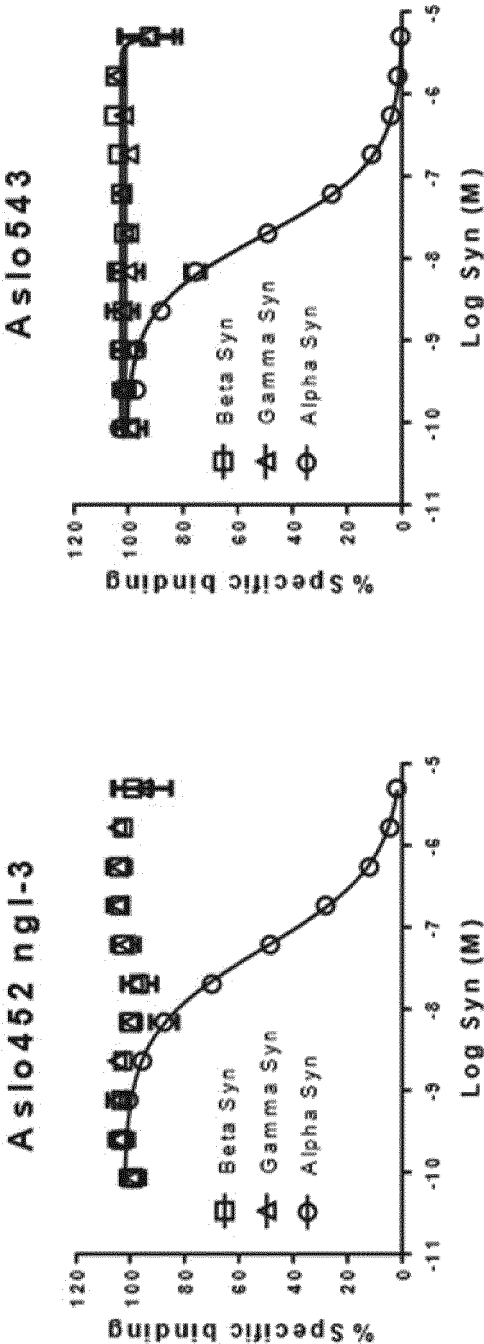


Figure 5



IC50 (nM)		
Aslo452 ngl-3	Aslo543	
NI	NI	
NI	NI	
5.7	2.0	

Figure 6

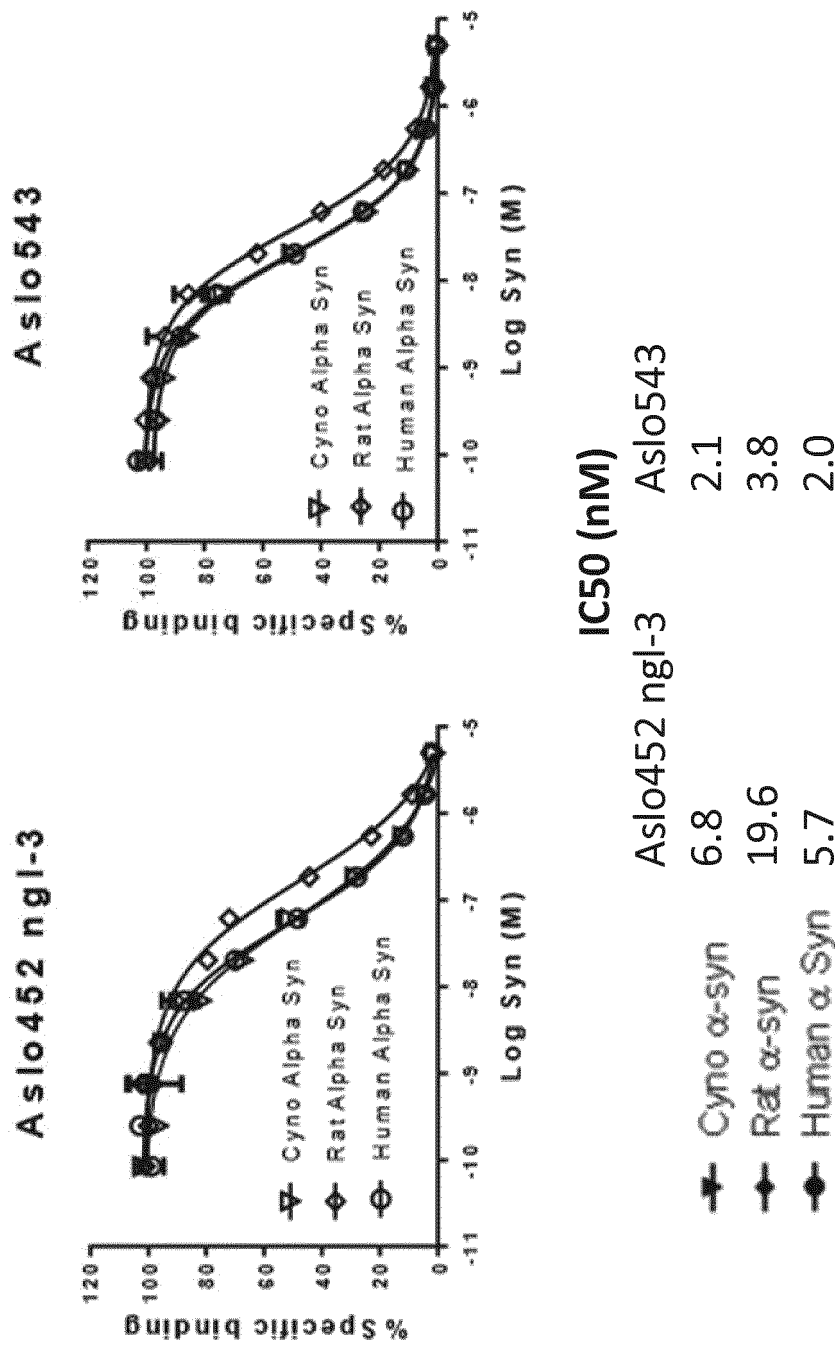


Figure 7A

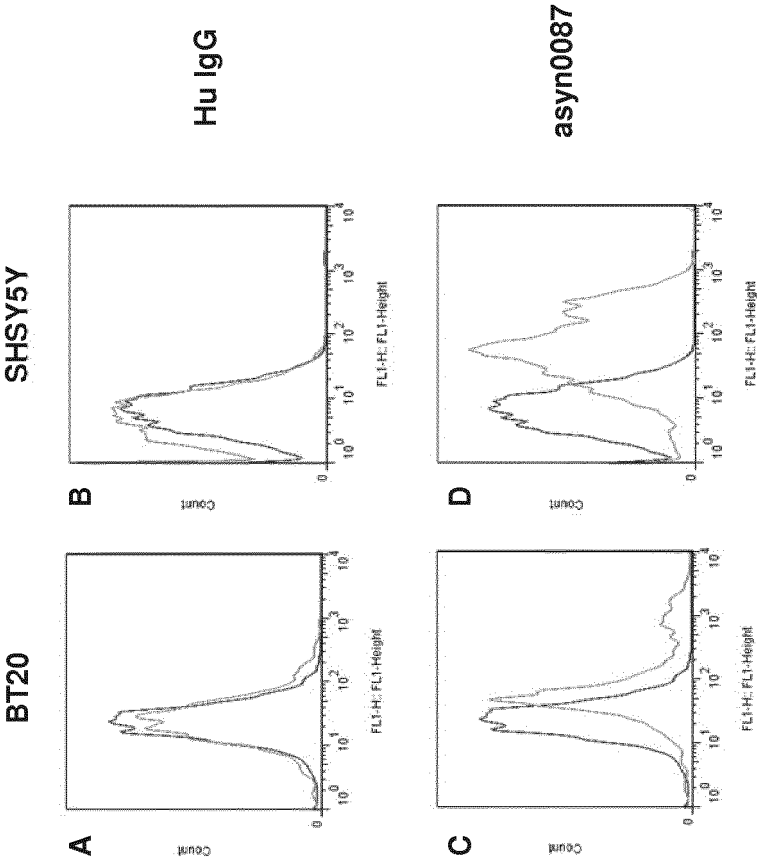


Figure 7B

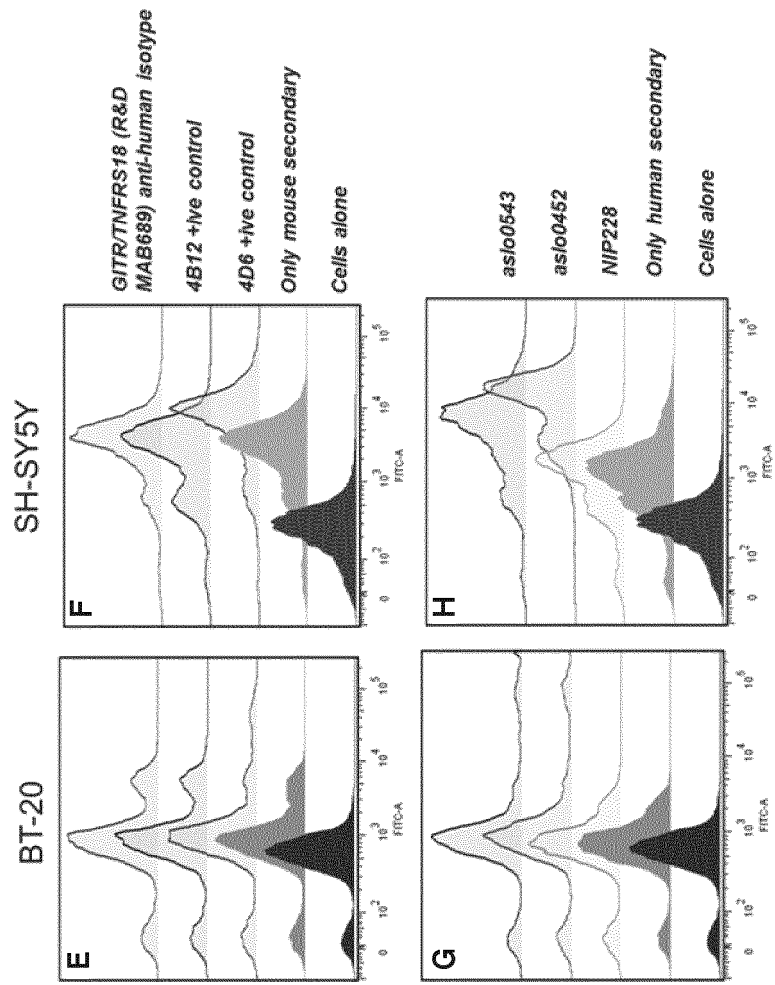
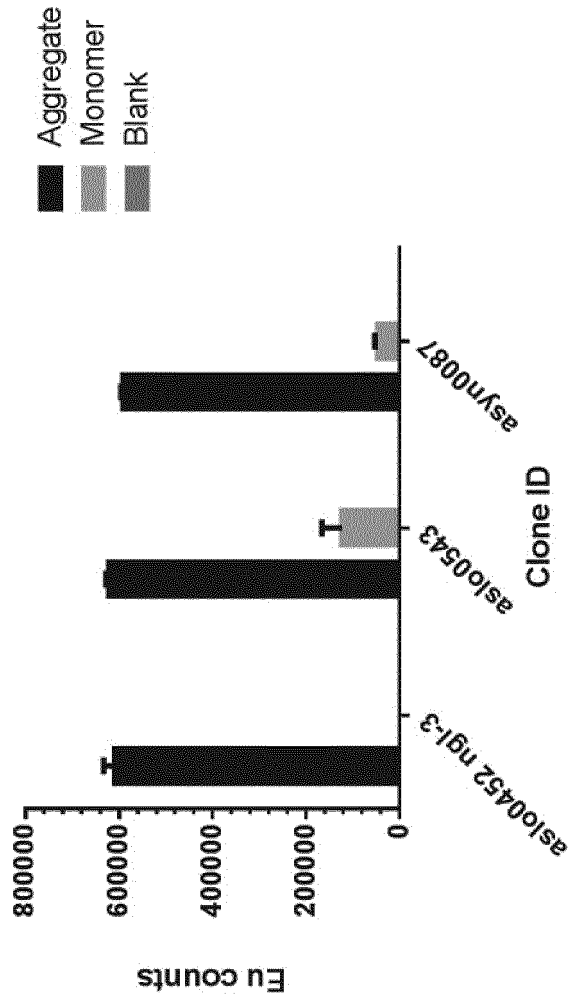


Figure 8



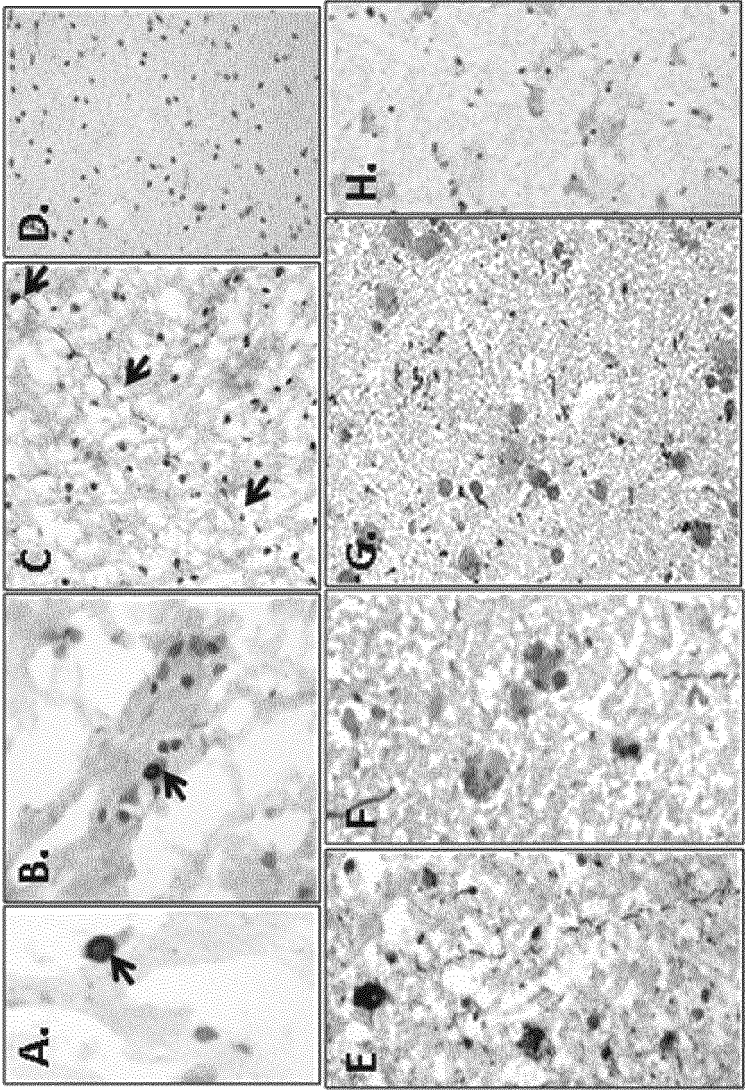


Figure 9A

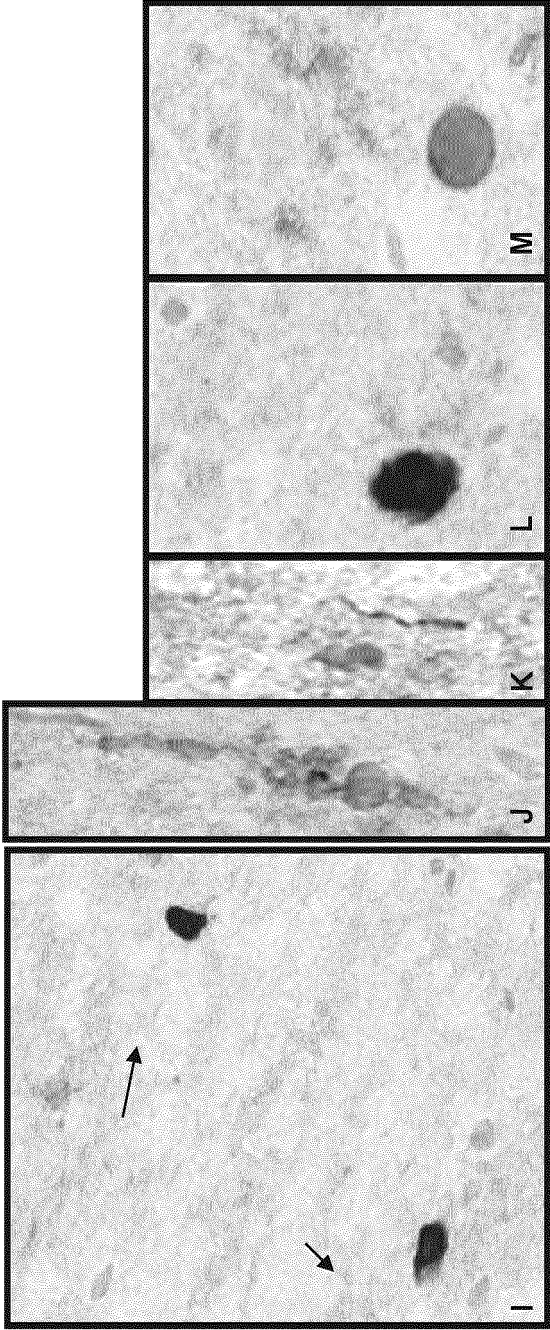


Figure 9B

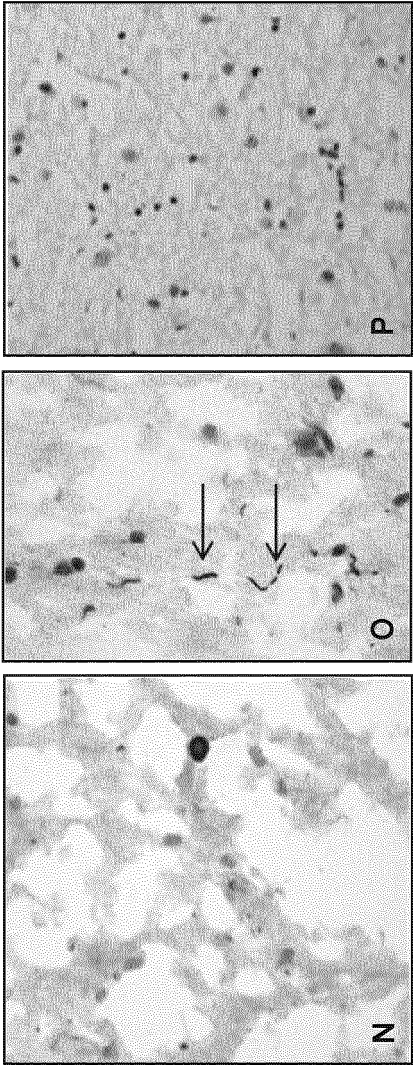


Figure 9C

Figure 10A

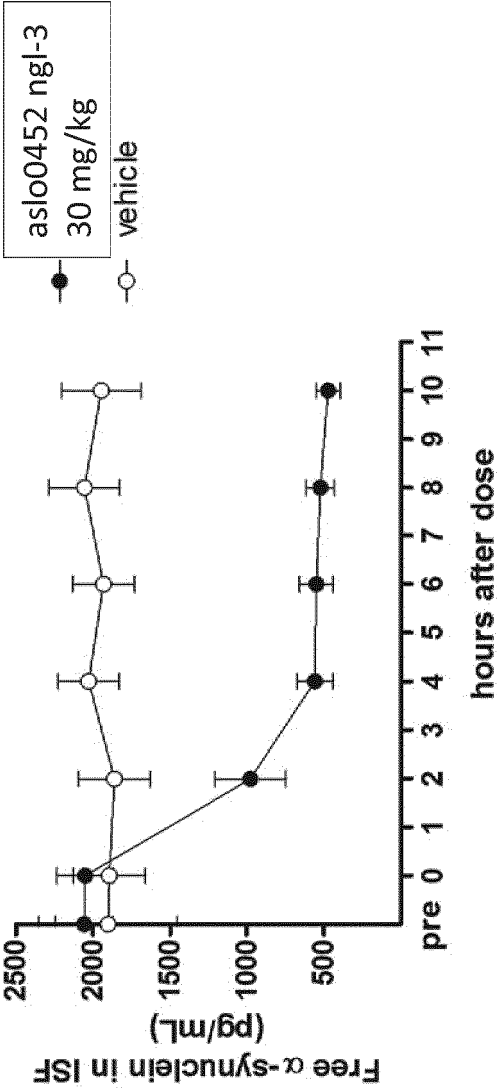


Figure 10B

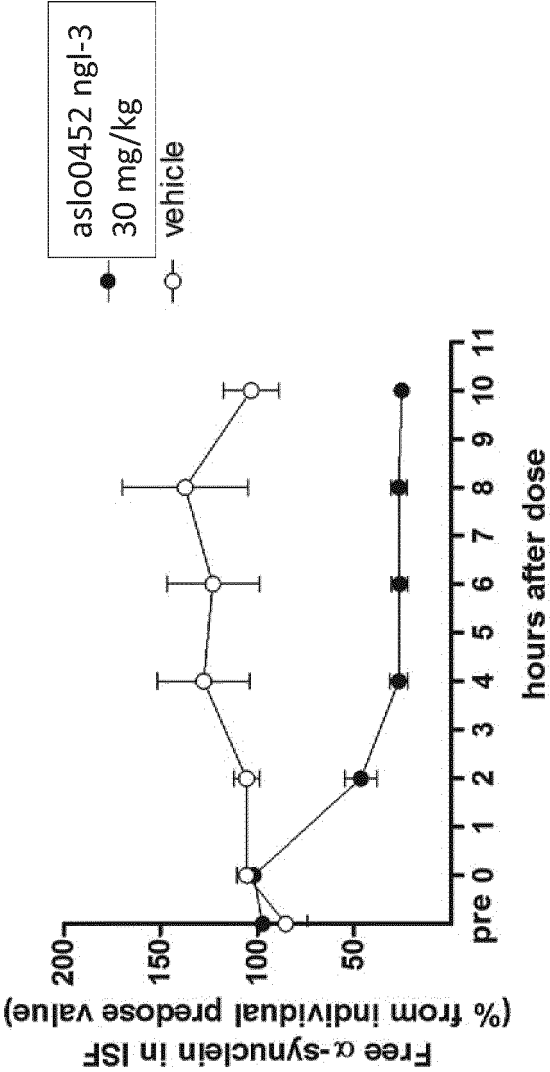


Figure 11

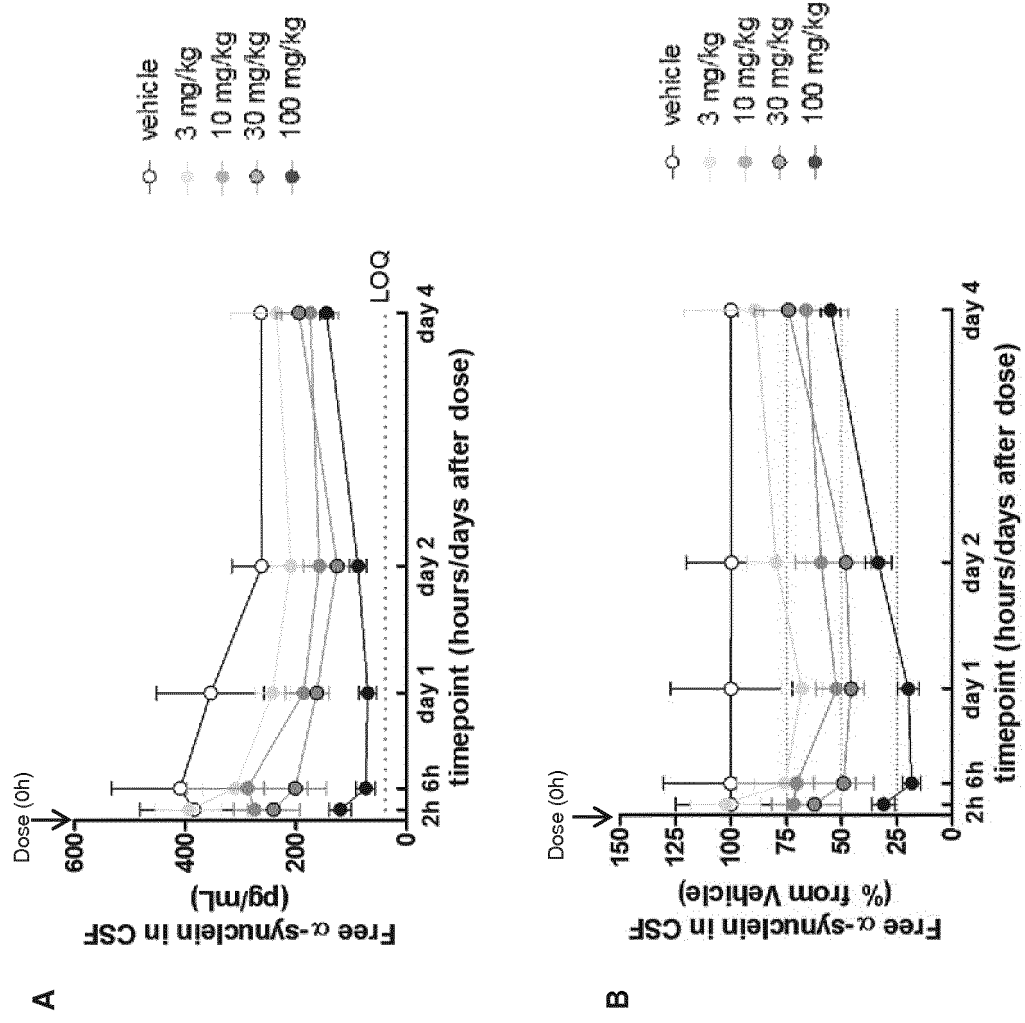


Figure 12

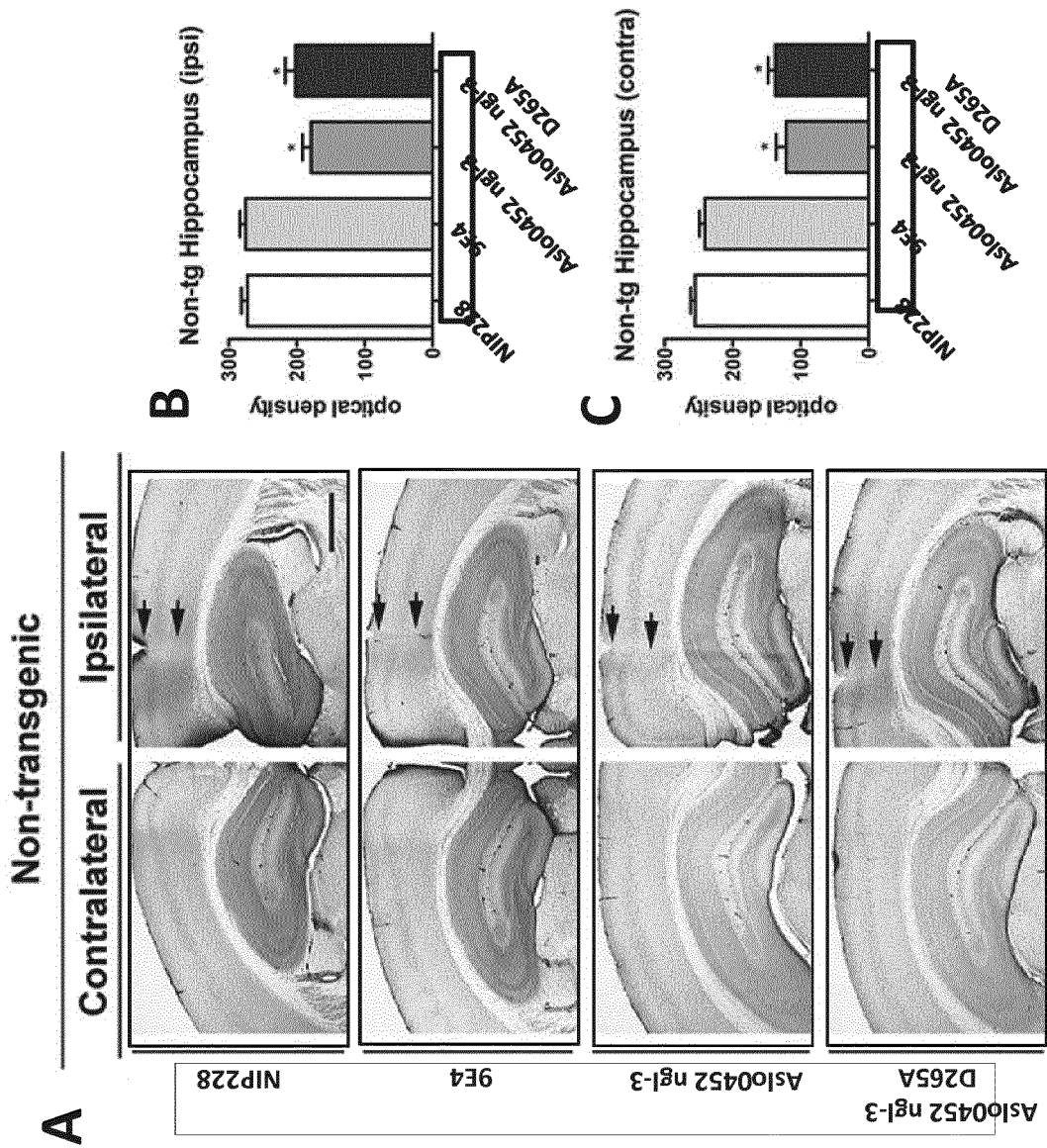


Figure 13

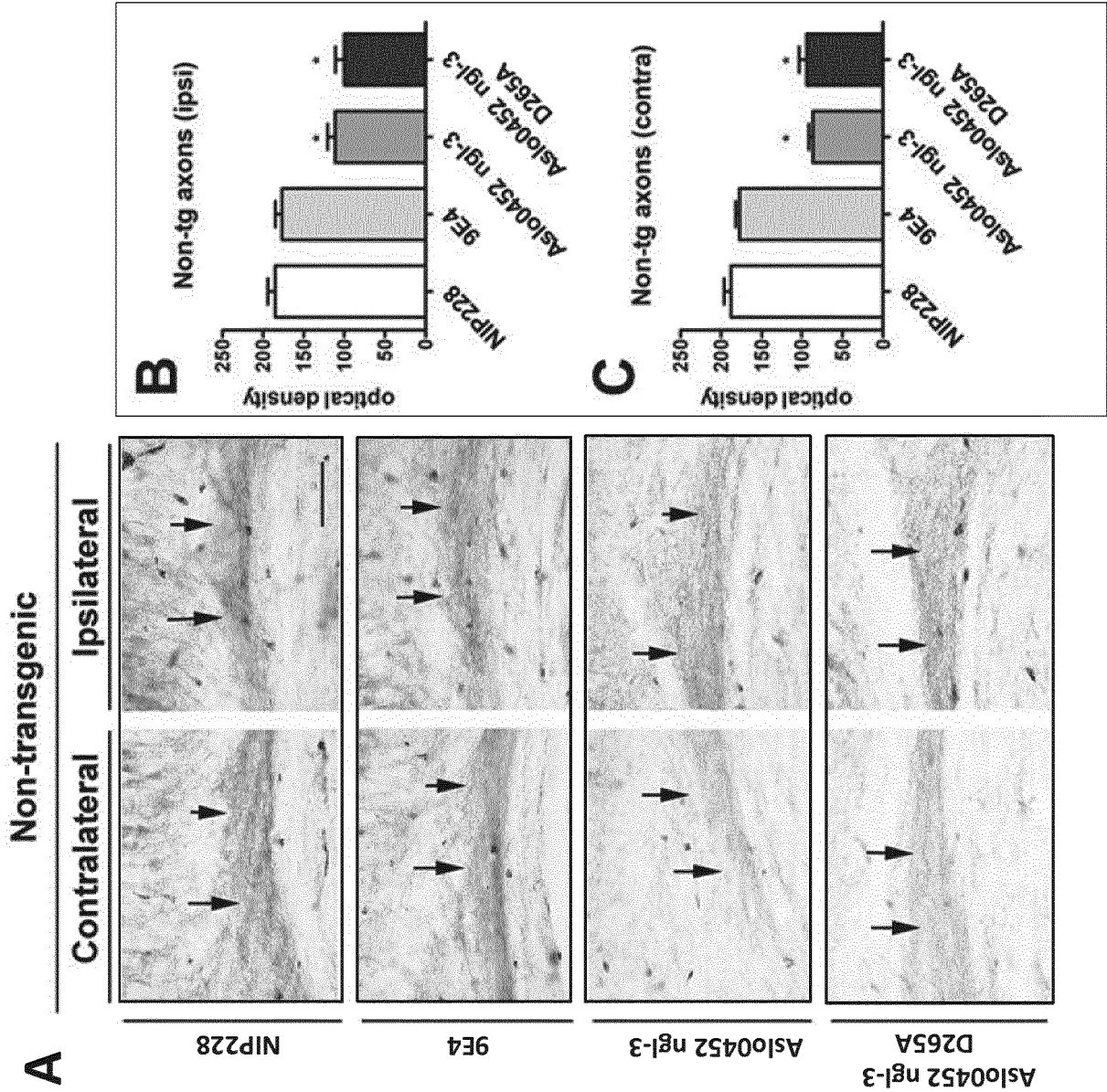


Figure 14

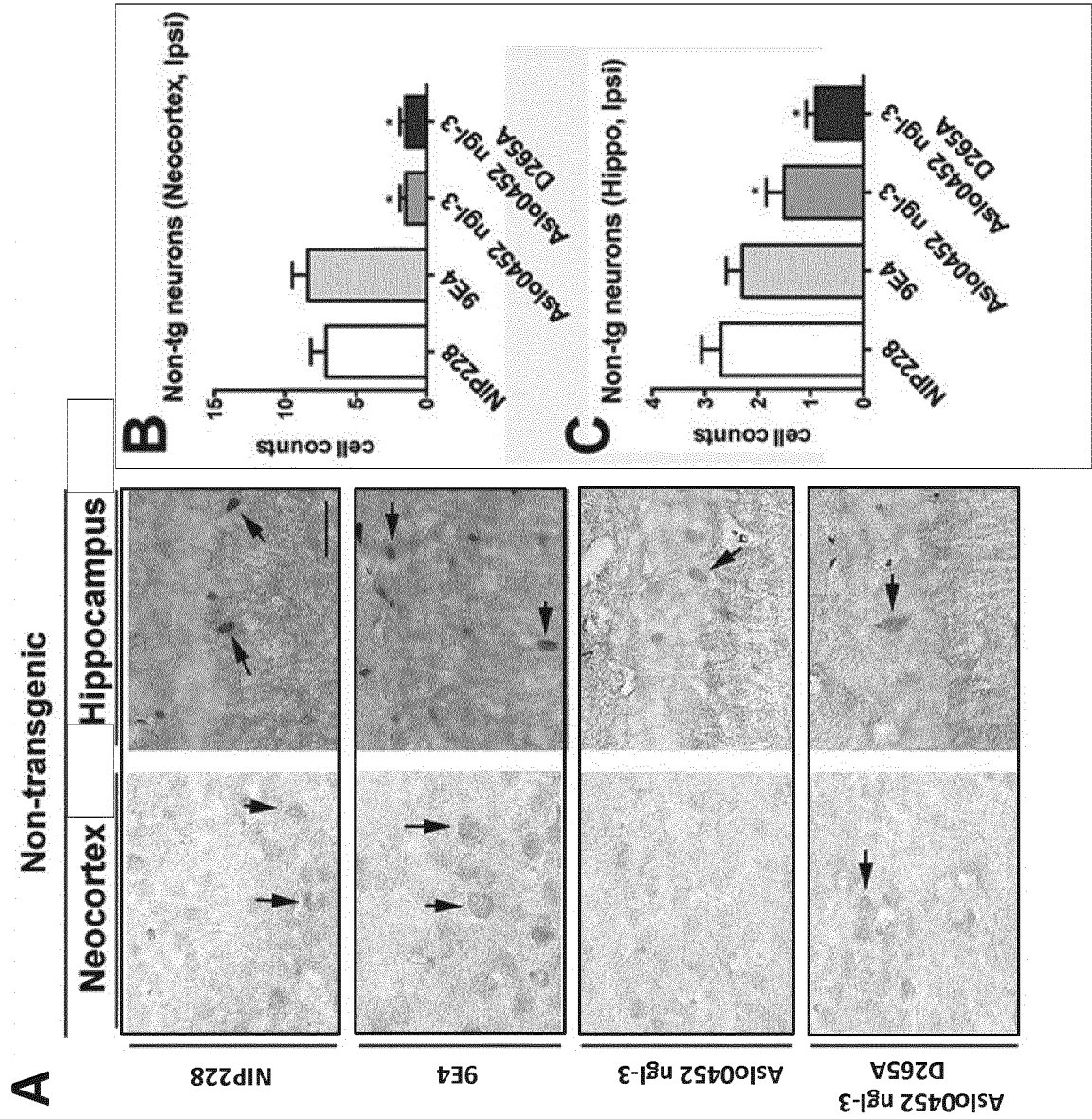


Figure 15

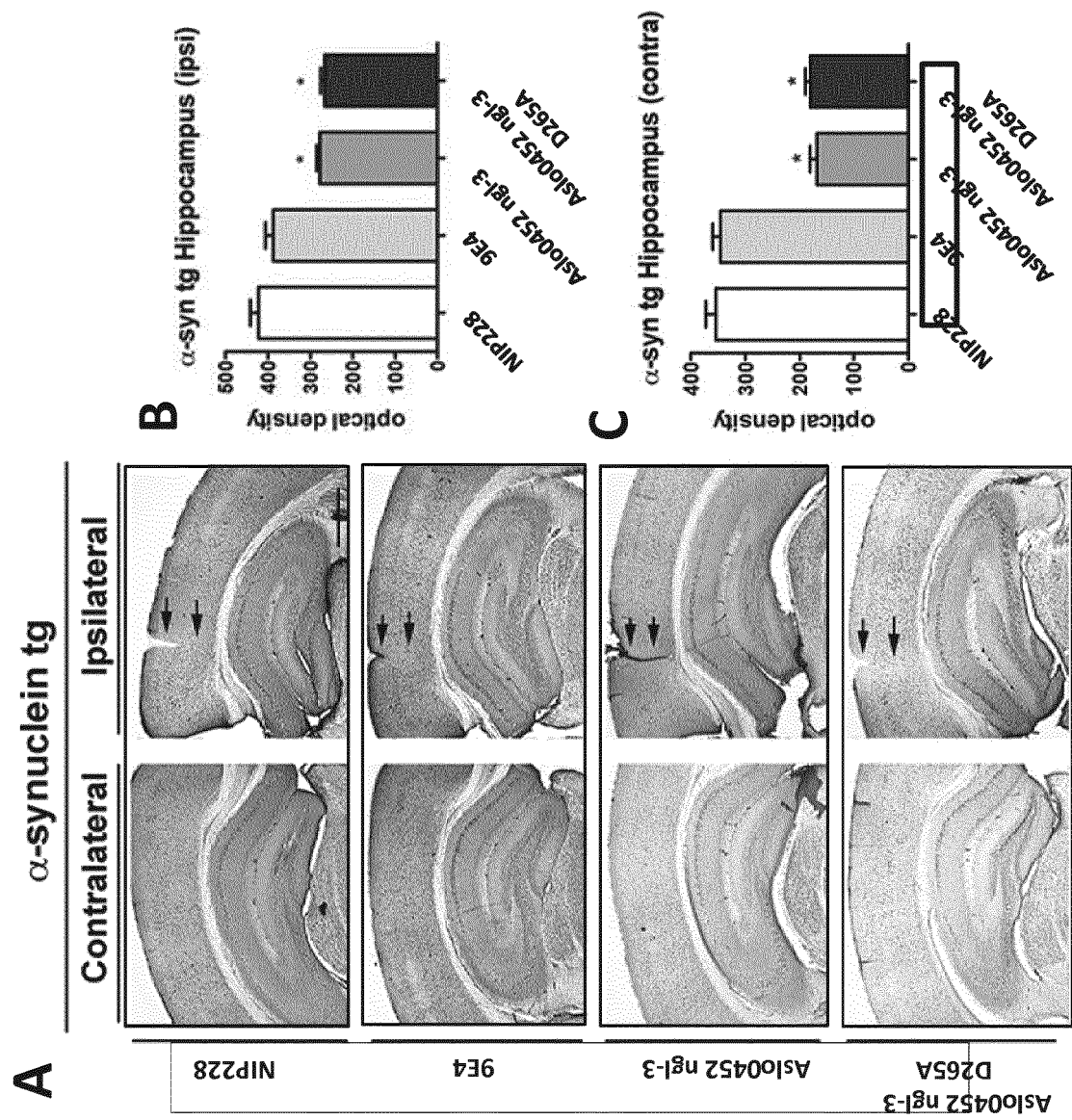


Figure 16

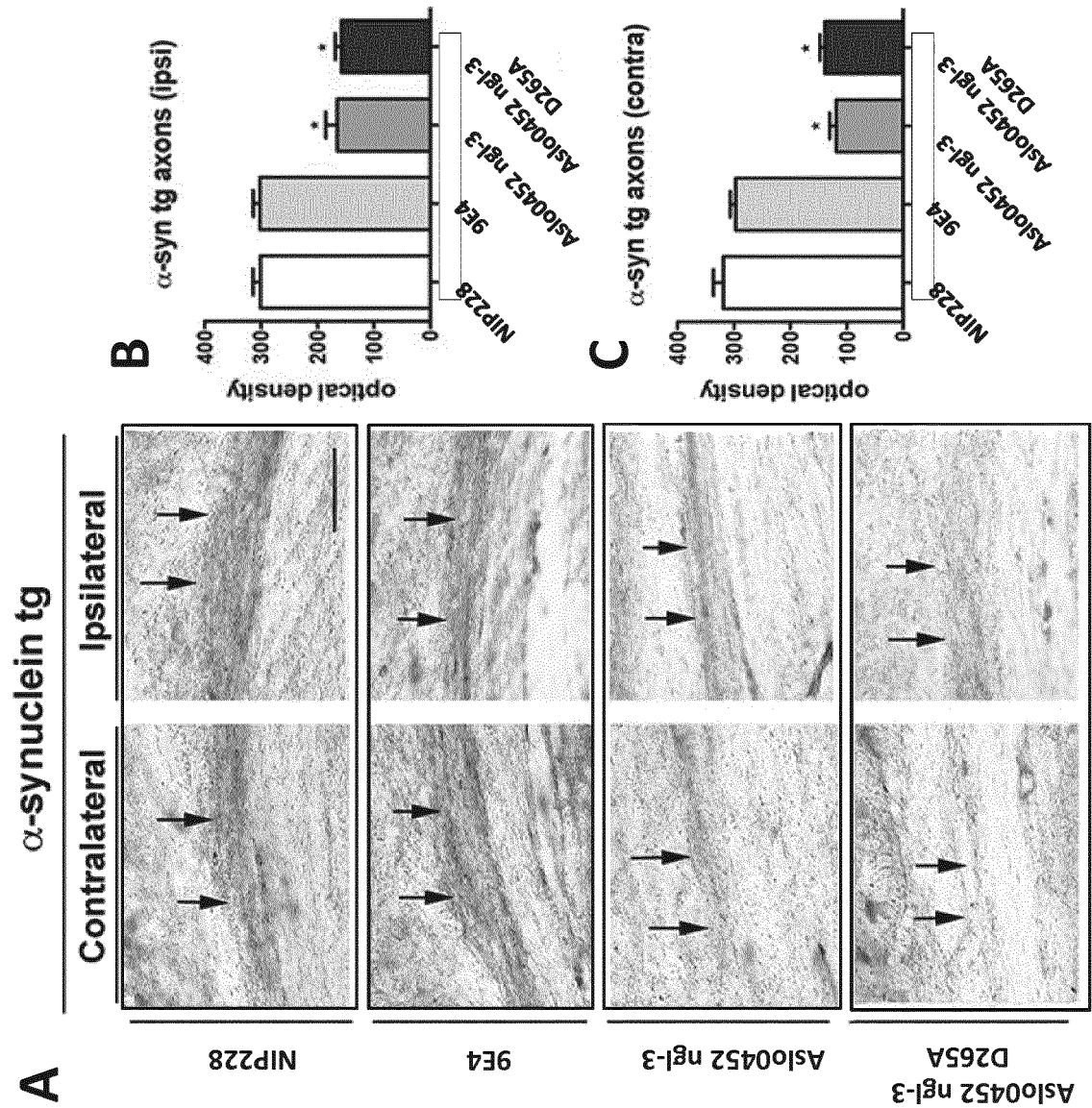


Figure 17

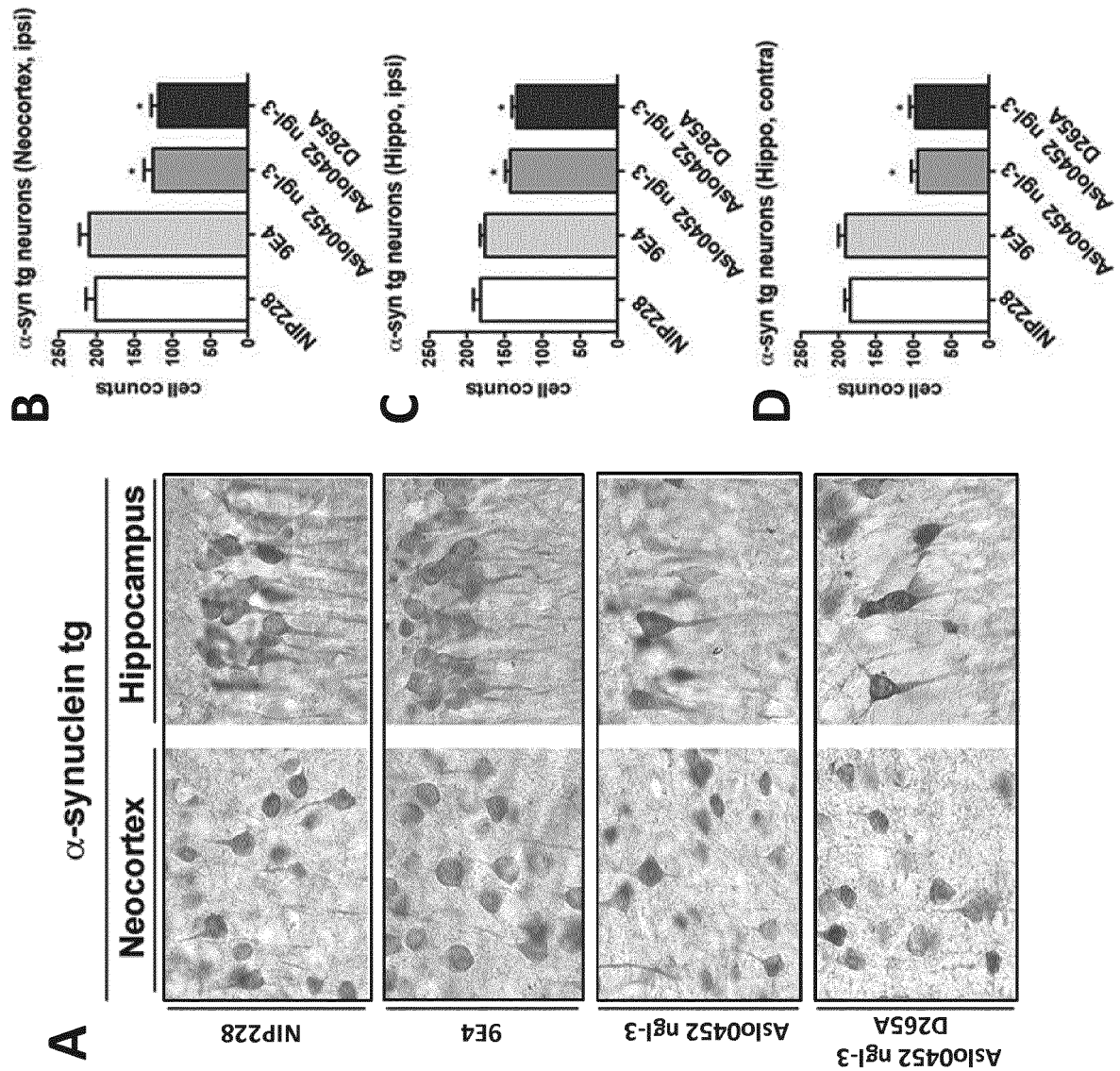


Figure 18

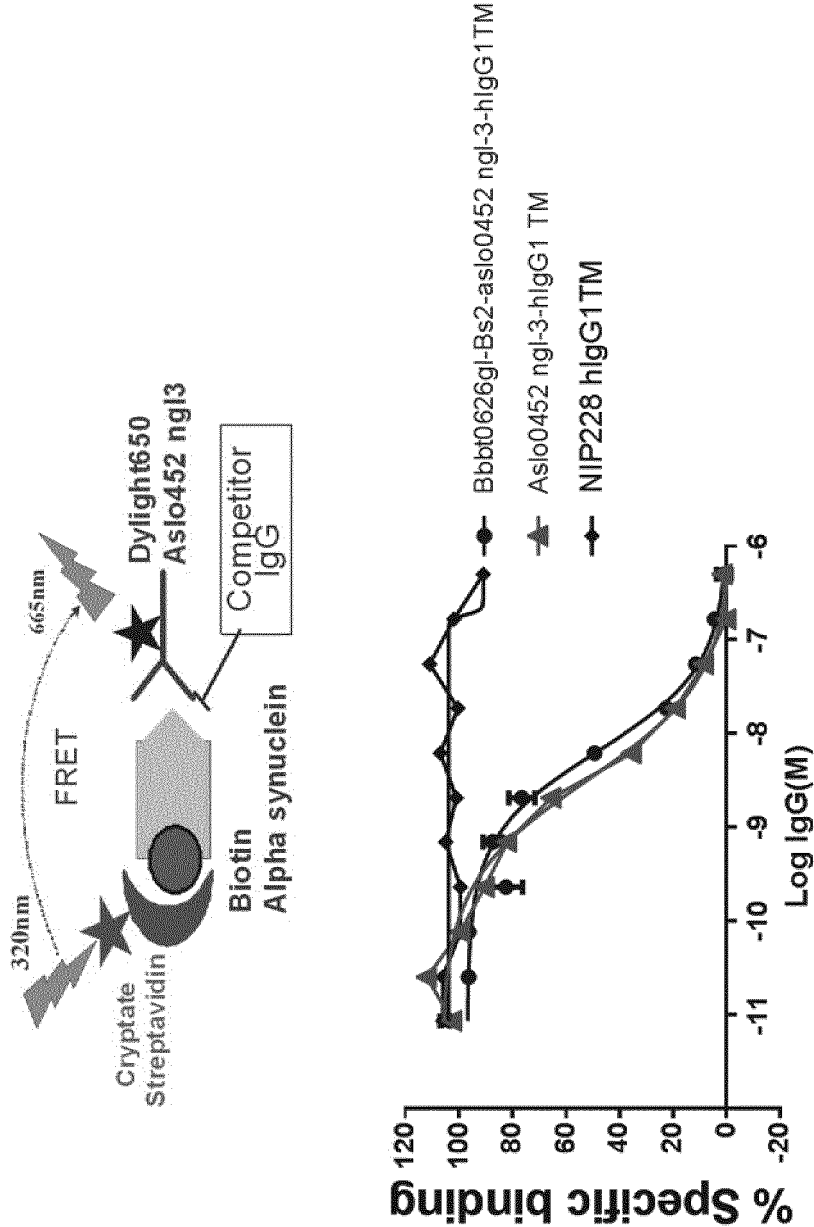


Figure 19

