

FIG.1

Light chain variable region

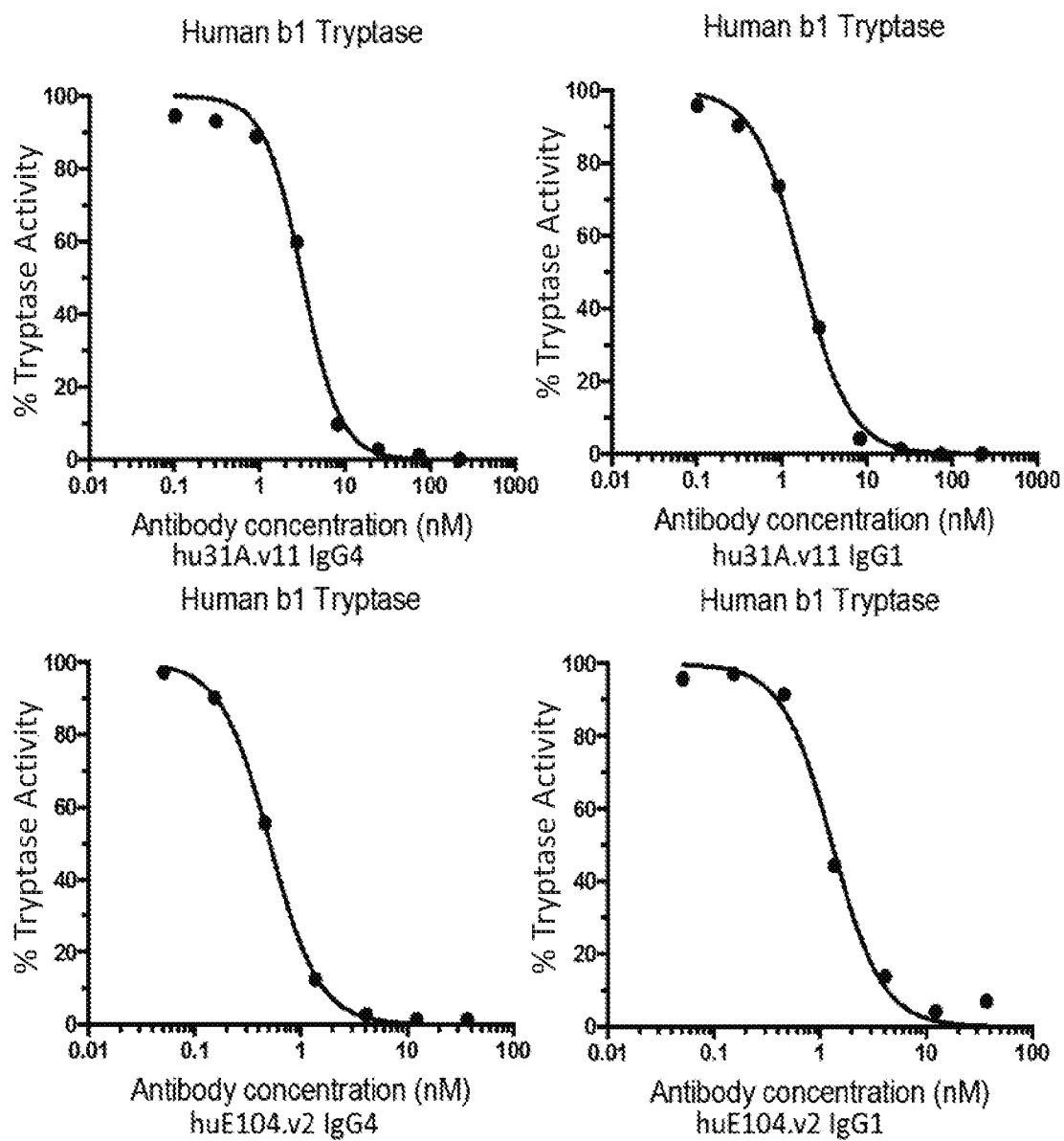
		CDRL1 - Contact	
		CDRL1 - Kabat	
Kabat number			
31A.V11	D I Q M T Q S P S L S A S V G D R V T I T C S A S . . S S V T Y M Y W Y Q Q K P G		
E104.V2	D I Q M T Q S P S L S A S V G D R V T I T C Q S I K S V Y N N R L G W Y Q Q K P G		
		CDRL2 - Contact	
		CDRL2 - Kabat	
Kabat number			
31A.V11	K S P K P W I Y R T S D L A S G V P S R F S G S G S G T D F T L T I S S L Q P E D F		
E104.V2	K A P K L L I Y E T S I L T S G V P S R F S G S G S G T D F T L T I S S L Q P E D F		
		CDRL3 - Contact	
		CDRL3 - Kabat	
Kabat number			
31A.V11	A T Y Y C Q H Y H S Y P . . L T F G Q G T K V E I K		
E104.V2	A T Y Y C A G G F D R S G D T T F G Q G T K V E I K		
		SEQ ID NO: 10	
		SEQ ID NO: 37	

FIG.1 cont.

Heavy chain variable region

		CDR H1 - Contact		CDR H1 - Kabat	
Kabat number					
31A.V11	E V Q L V E S G G L V Q P G S L R L S C A A S G F T F S D Y G M V W V R Q A P G				
E104.V2	E V Q L V E S G P G L V K P S E T L S L T C T V S R F S L I G Y A I T W I R Q P P G				
		CDR H2 - Contact		CDR H2 - Kabat	
Kabat number					
31A.V11	K G L E W V A F I S S G S S T V Y Y A D T M K G R F T I S R D N S K N T L Y L Q M N				
E104.V2	K G L E W I G G I S . S A A T T F Y S S W A K S R V T I S R D T S K N Q V S L K L S				
		CDR H3 - Contact		CDR H3 - Kabat	
Kabat number					
31A.V11	S L R A E D T A V Y Y C T R R N Y D D W Y F . . . D V W G Q Q G T L V T V S S				SEQ ID NO: 9
E104.V2	S V T A A D T A V Y Y C A R D P R G Y G A L D R L D L W G Q Q G T L V T V S S				SEQ ID NO: 36

FIG. 2A



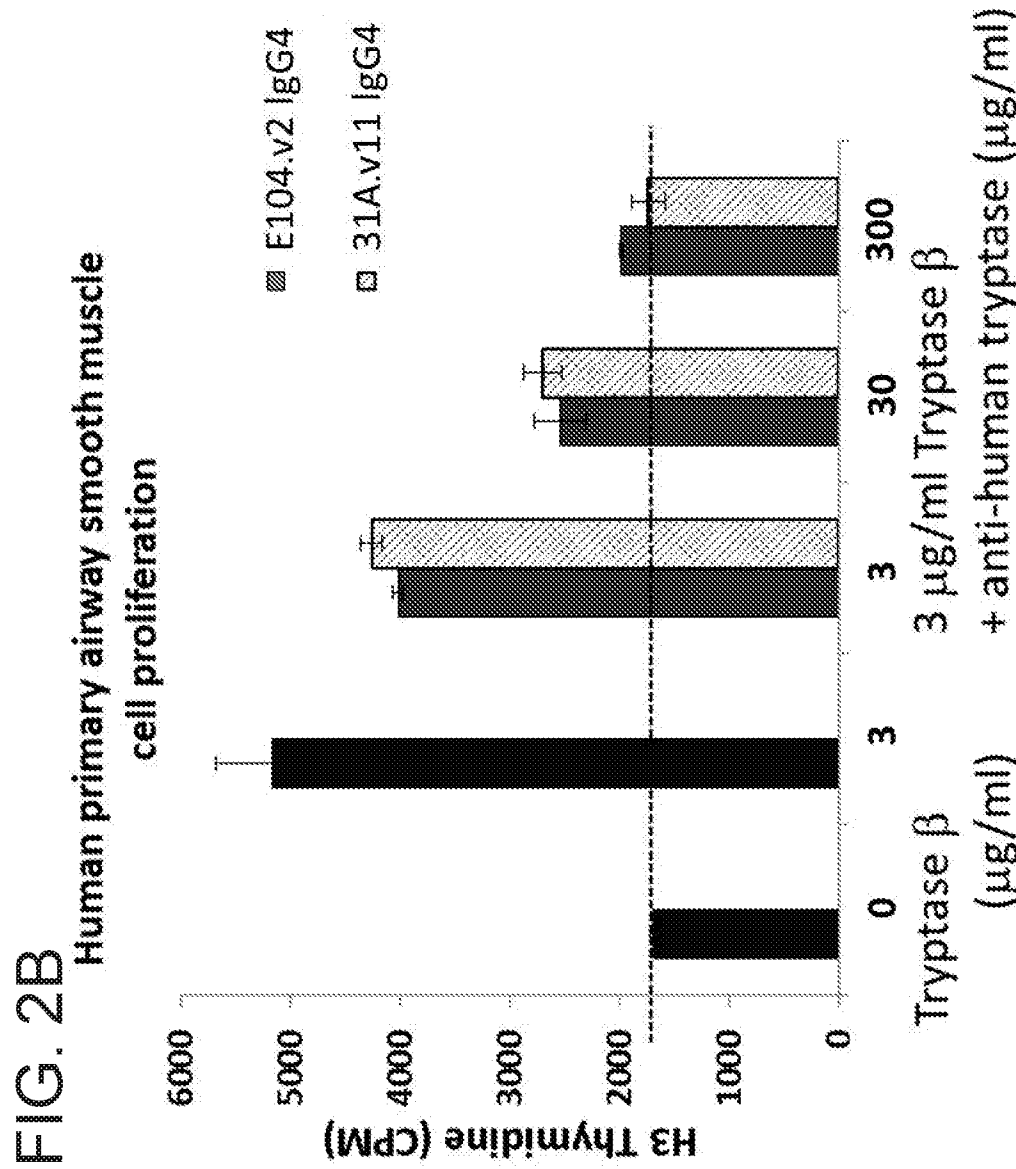
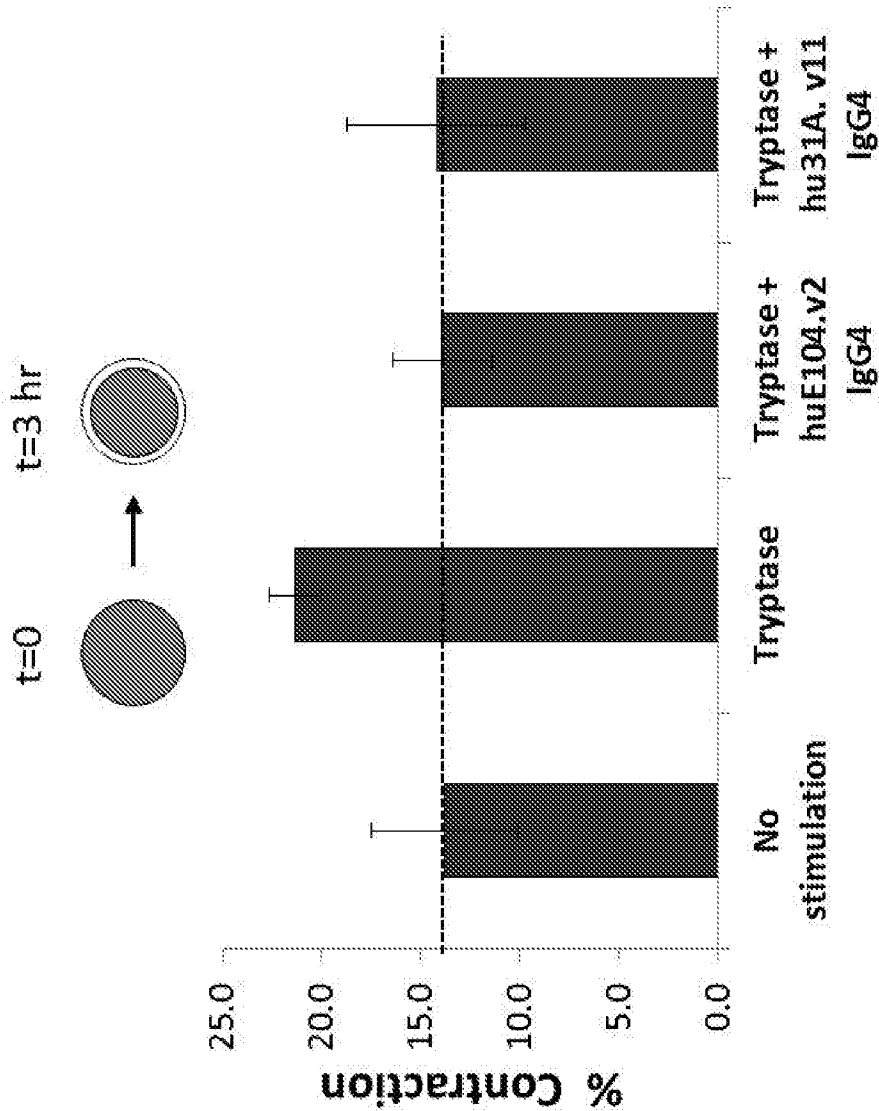
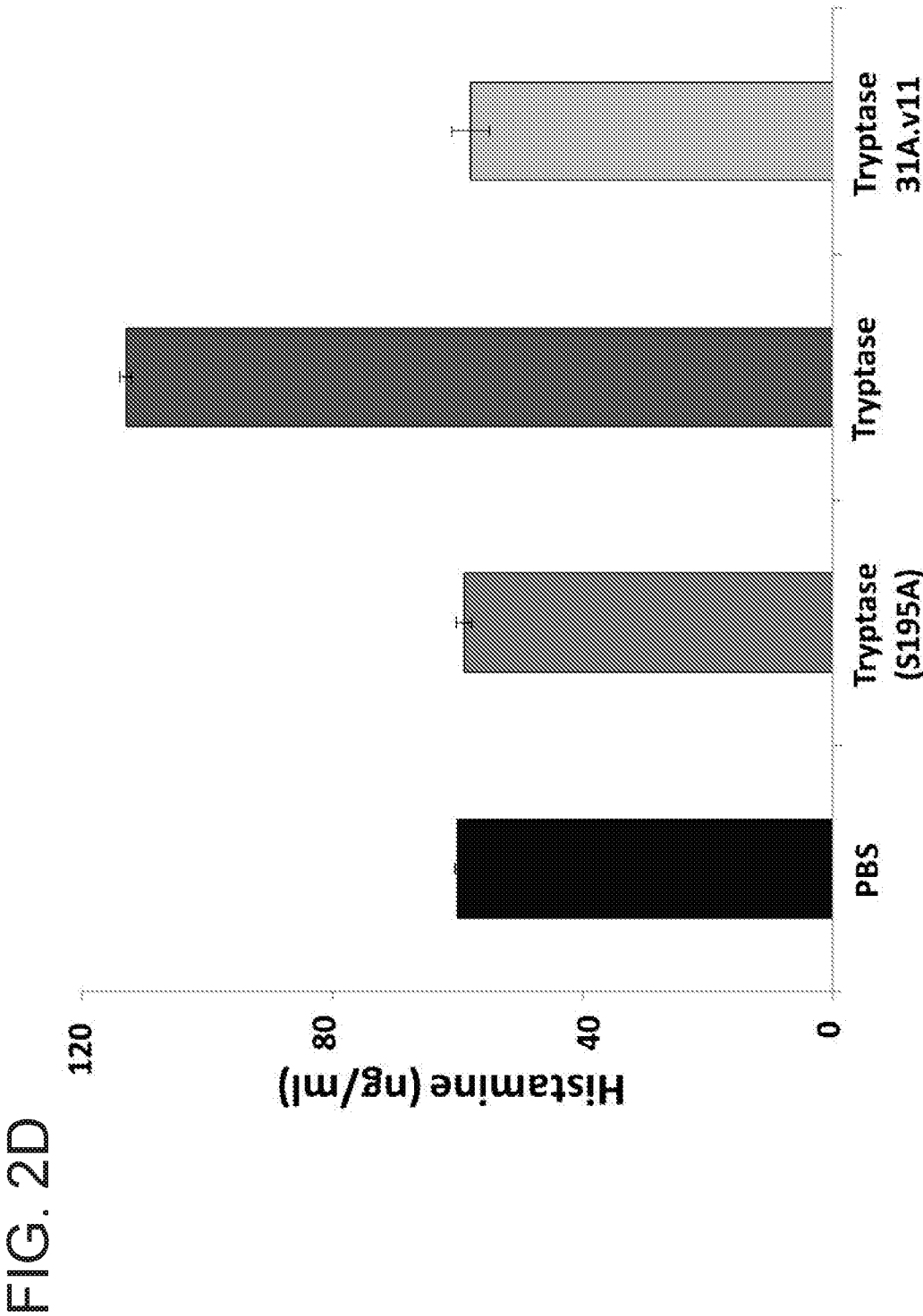


FIG. 2C
Human primary airway smooth muscle
cell contraction





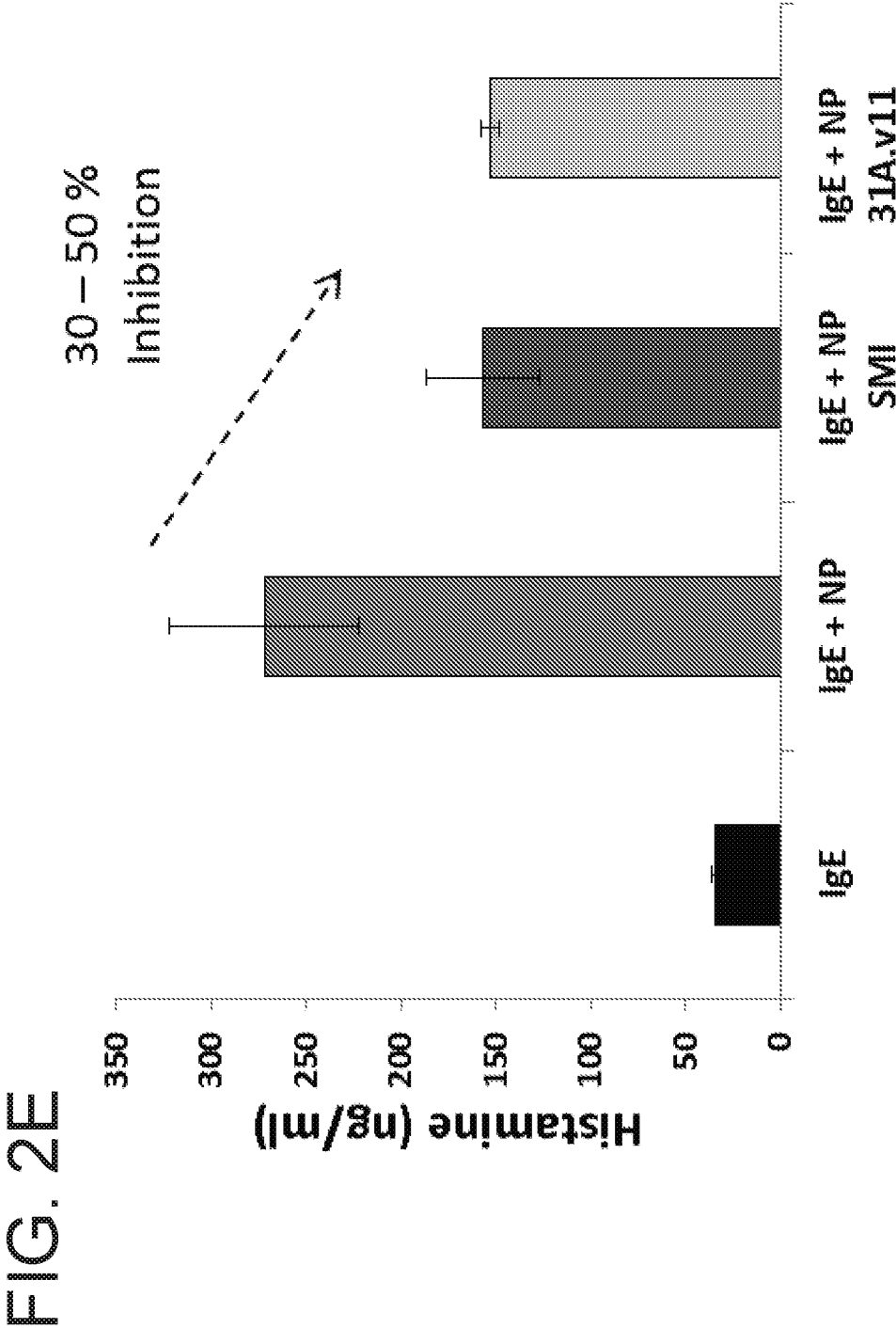


FIG. 3A

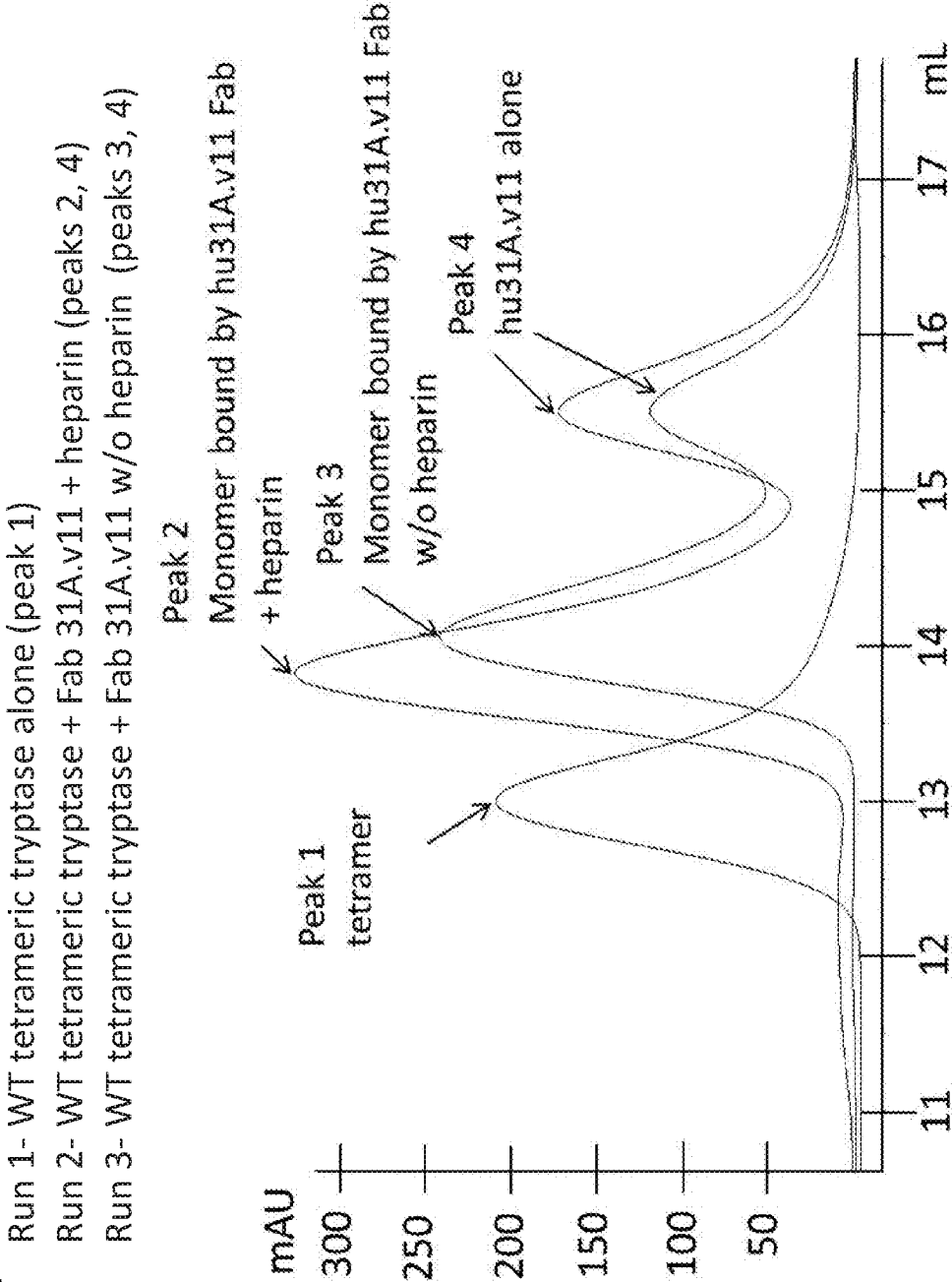


FIG.3B

Run 1- His-tagged monomeric tryptase + Fab 104.v2 (peaks 2, 6)
 Run 2- WT tetrameric tryptase + Fab 104.v2 (peaks 3, 7)
 Run 3- WT tetrameric tryptase + Fab 104.v2 + Heparin (peaks 1, 4, 5)

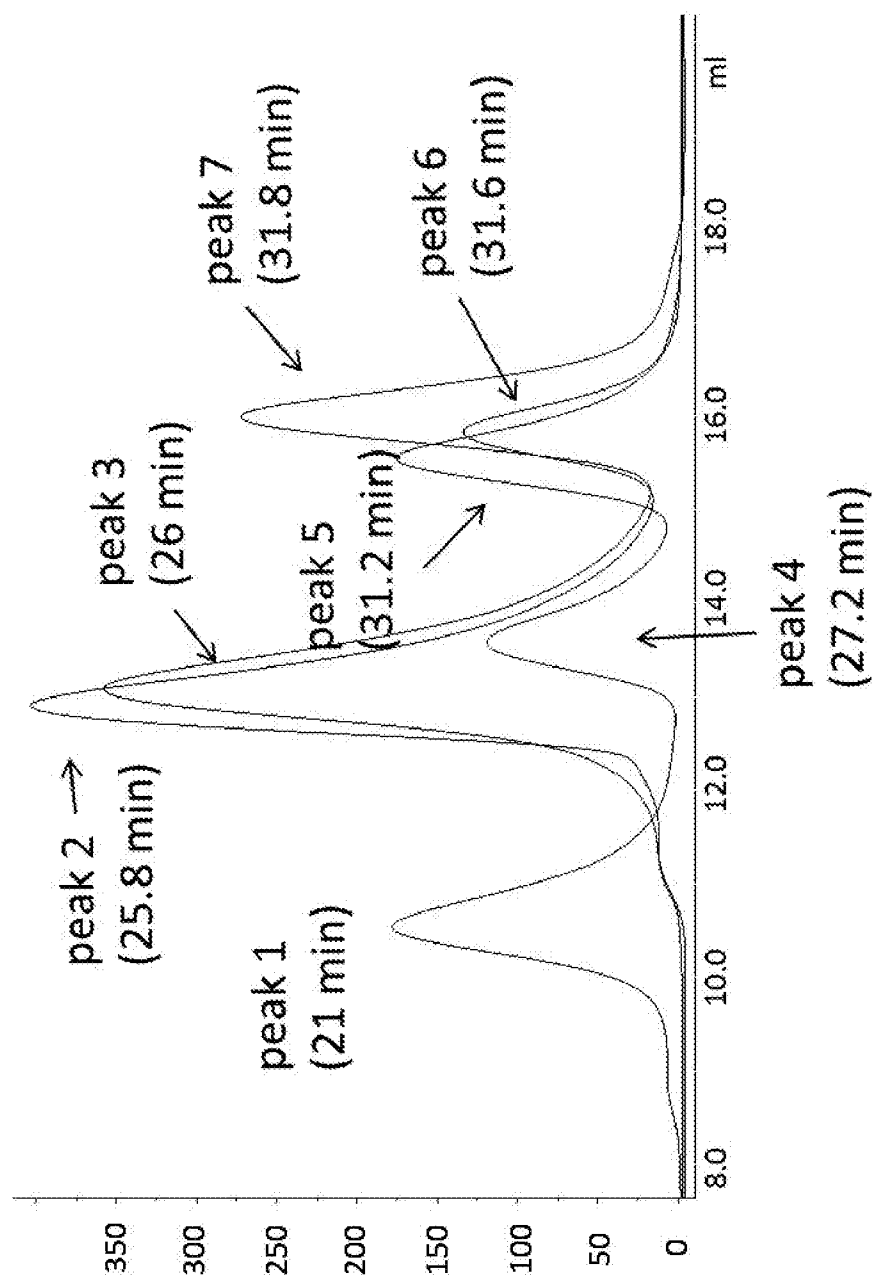


FIG. 4A

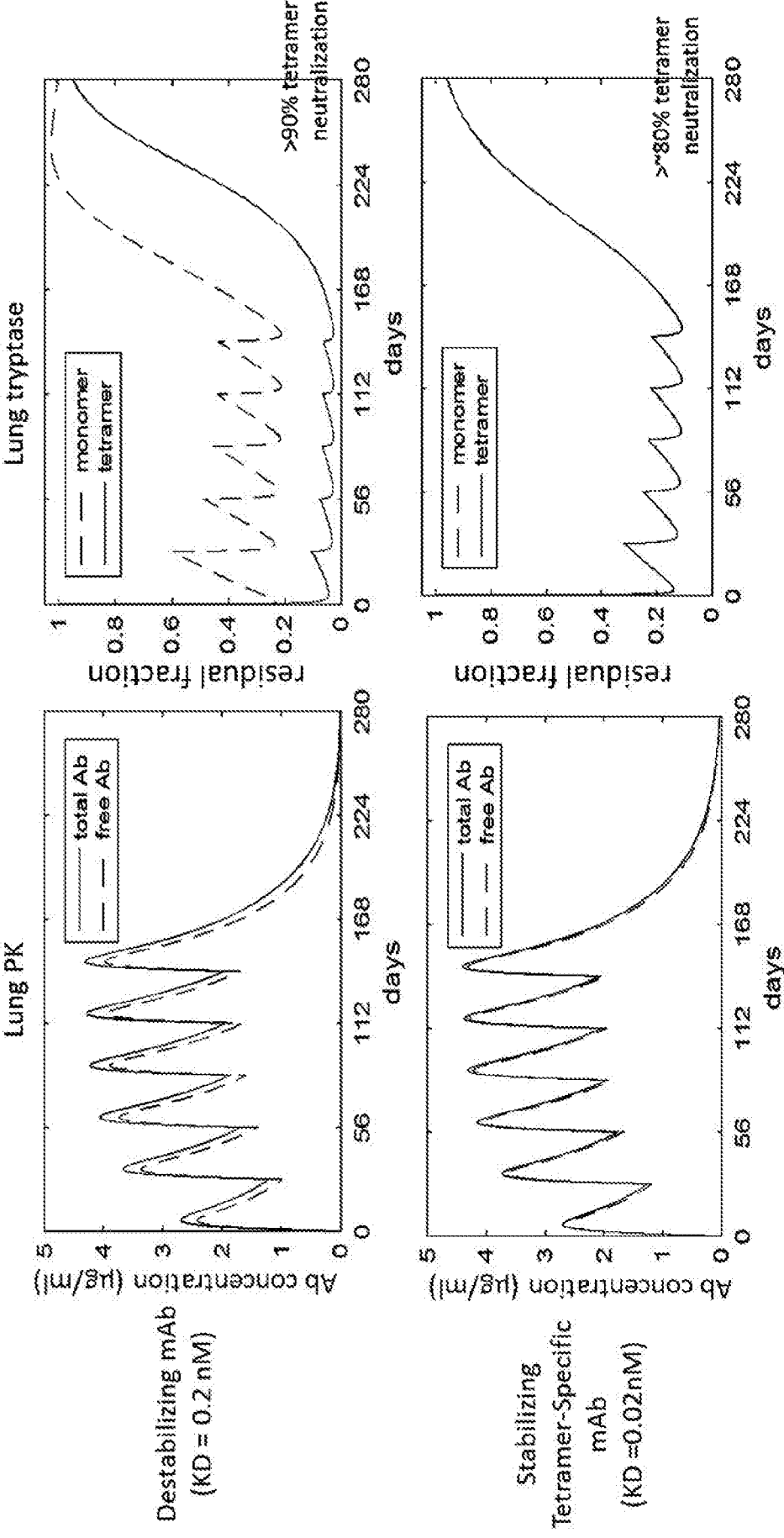


FIG. 4B

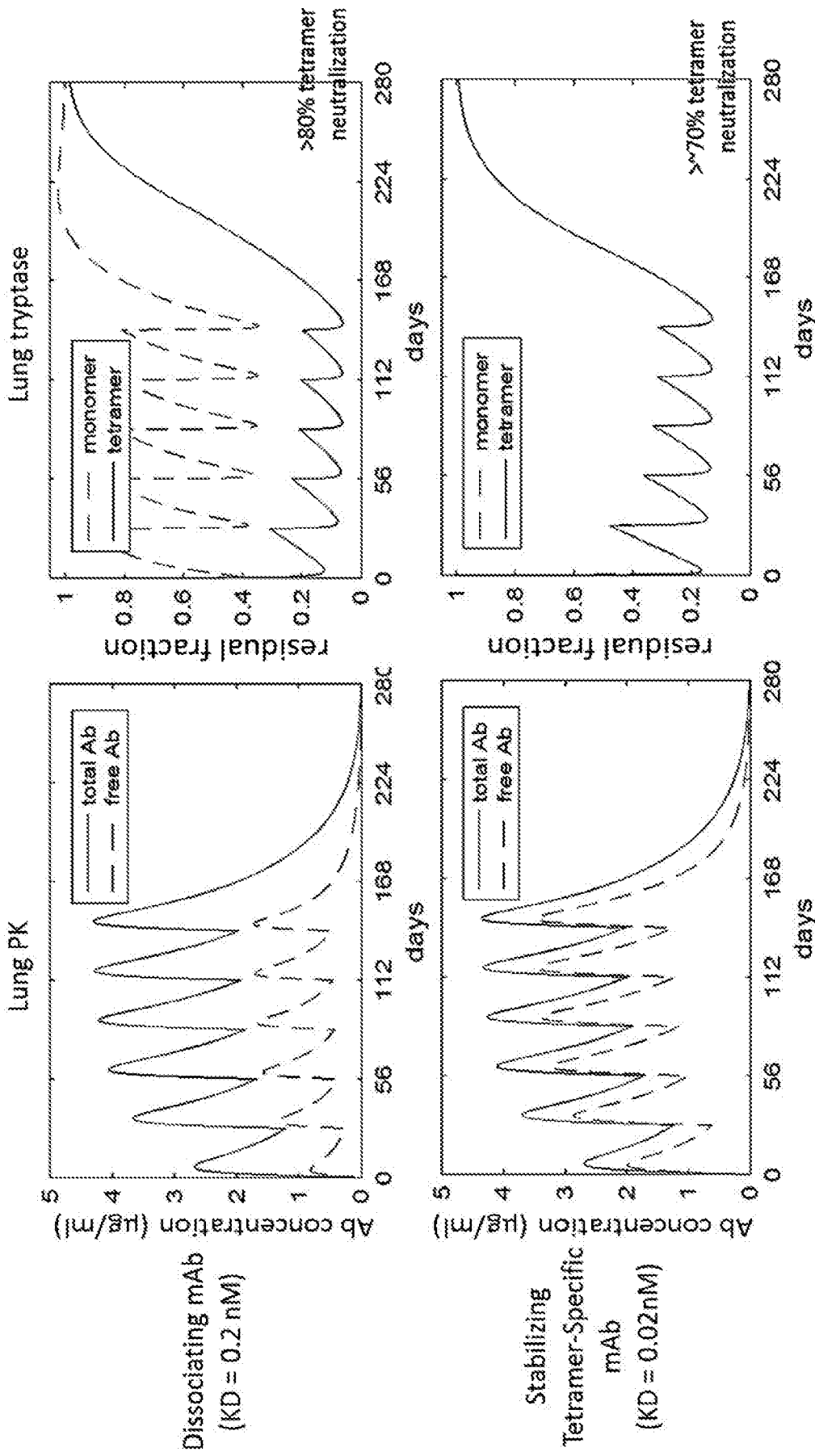


FIG. 4C

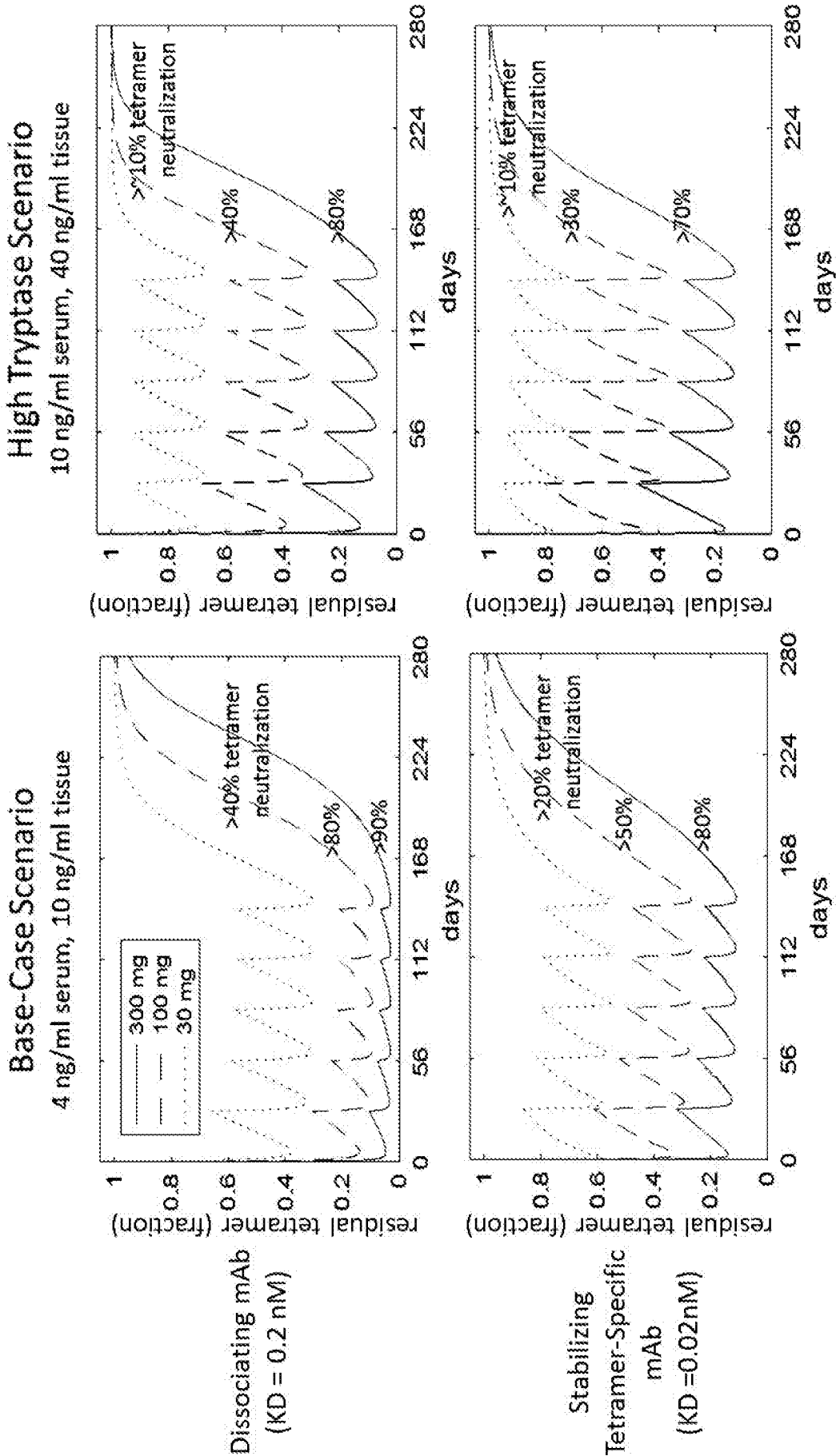


FIG. 5A

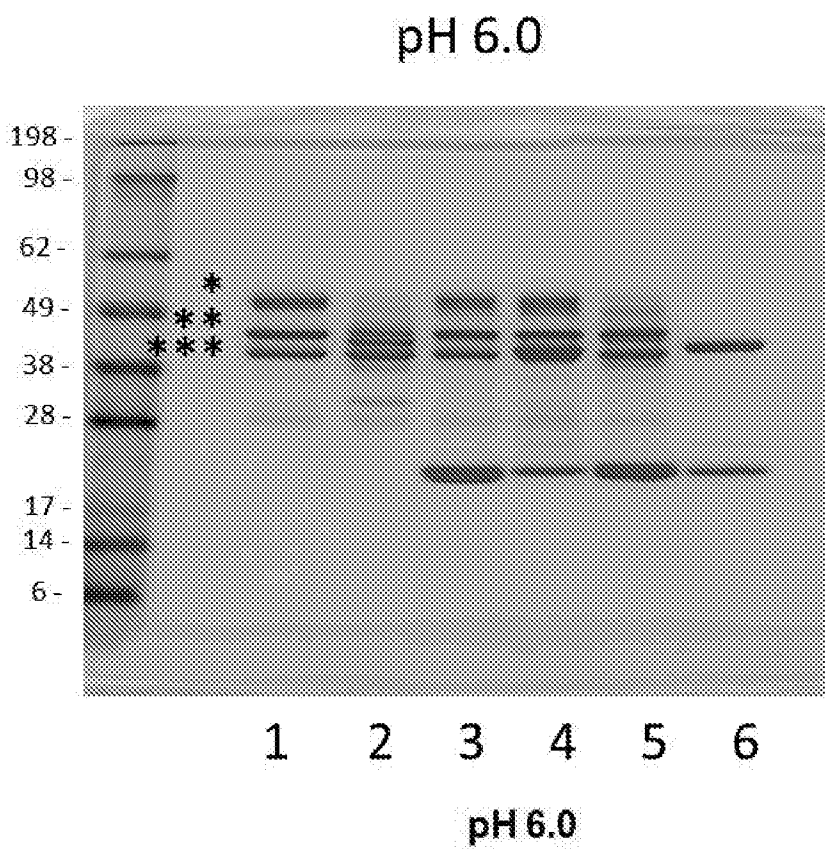
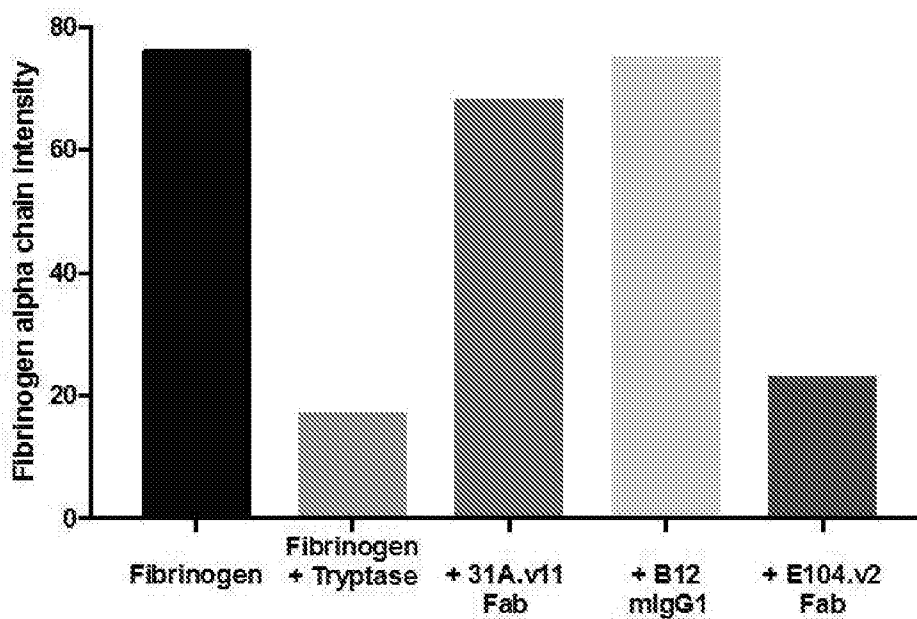


FIG. 5B

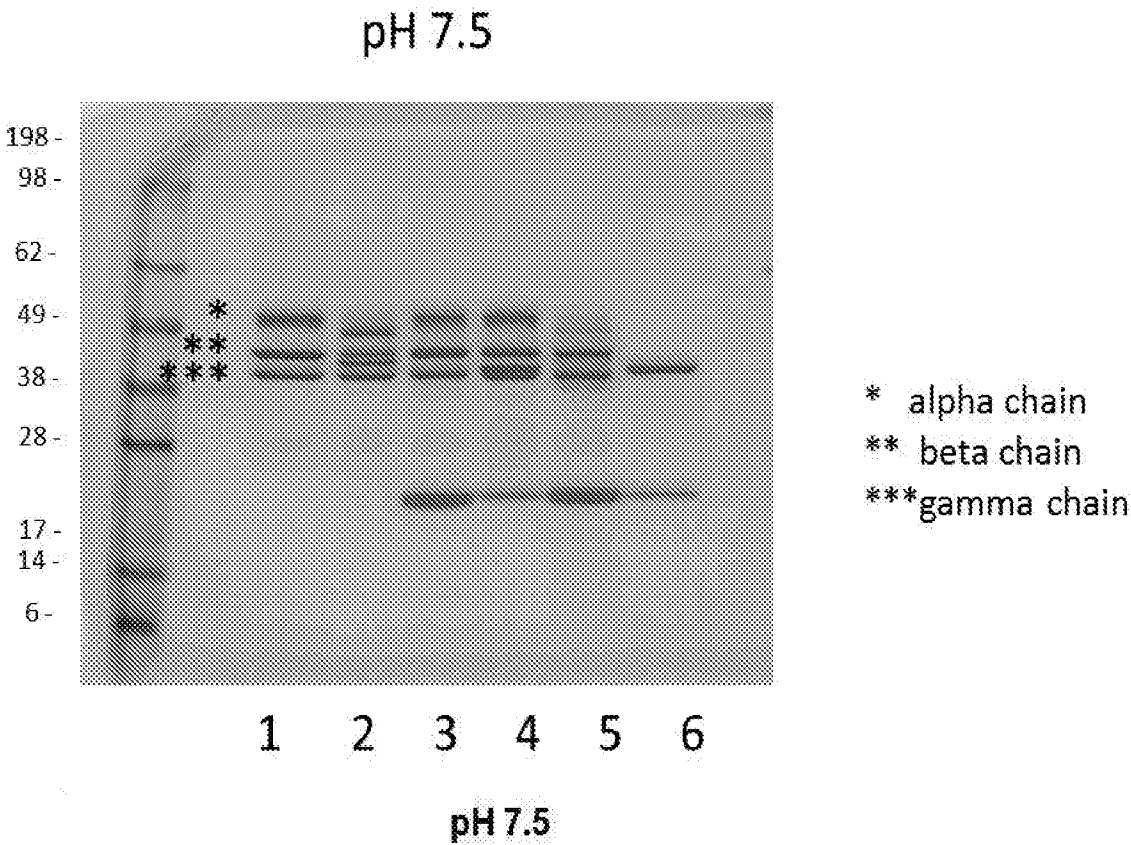
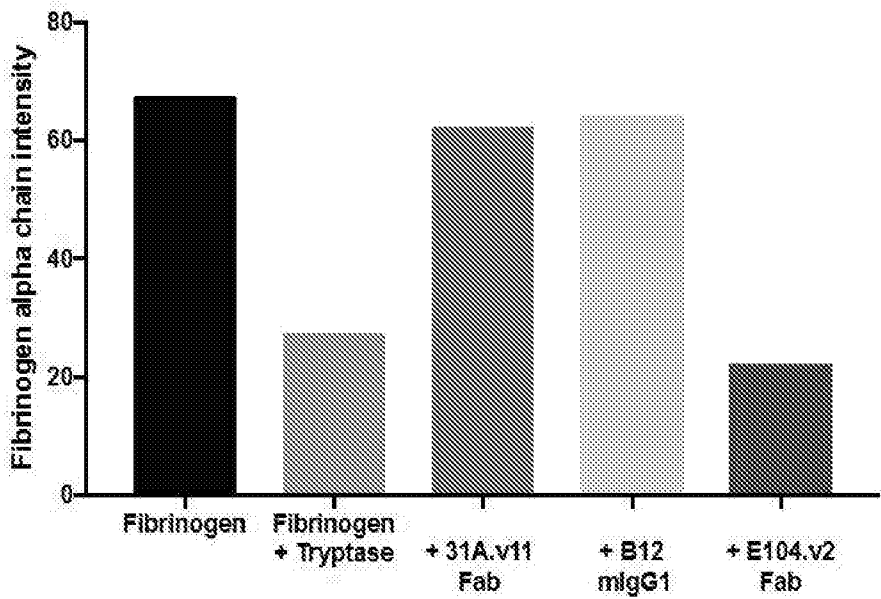


FIG. 6A

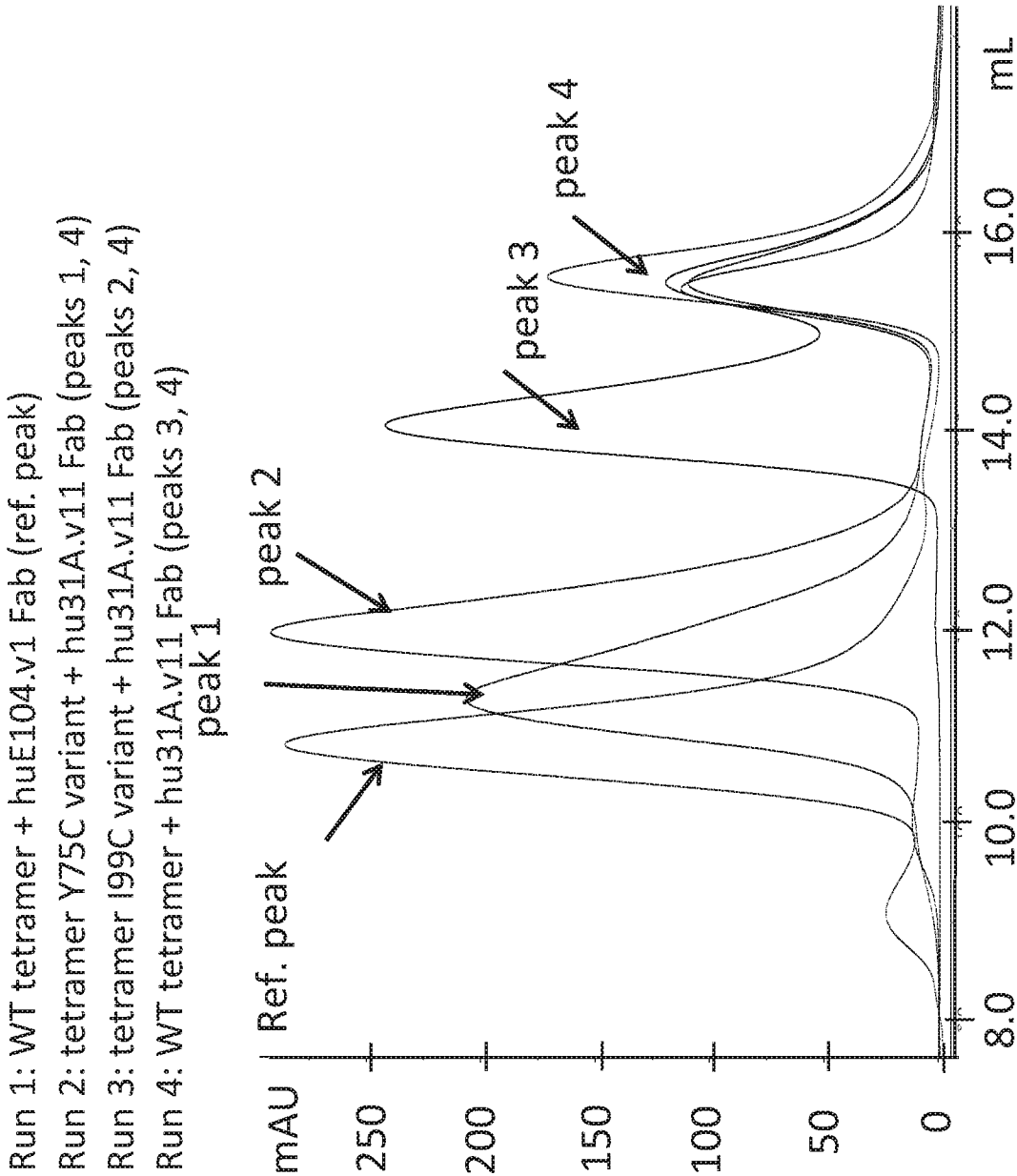


FIG. 6B

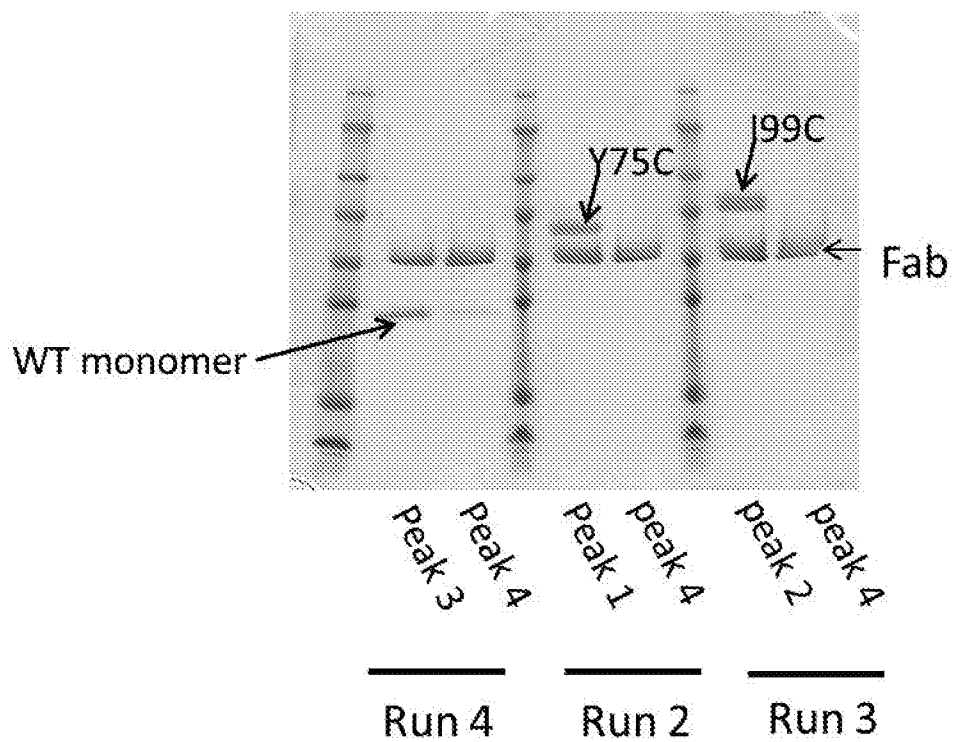


FIG. 6C

Run 1: tetramer Y75C variant + huE104.v2 Fab (peaks 1, 4)
Run 2: tetramer I99C variant + huE104.v2 Fab (peaks 2, 5)
Run 3: WT tetramer + huE104.v2 Fab (peaks 3, 6)

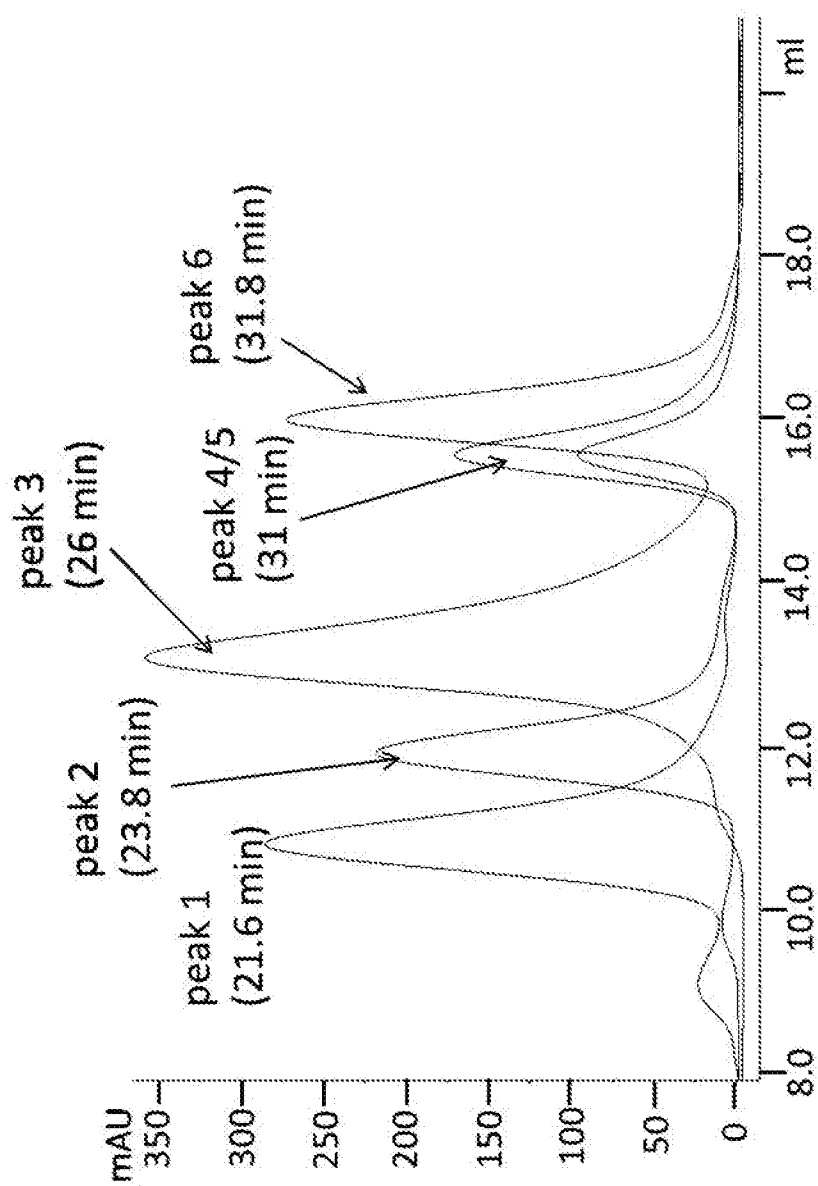


FIG. 7

structure: chymo-numb gene-sequential	16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 a b 38 39 40
Mature human tryptase beta 1 amino acid sequence	I V G G Q E A P R S K W P W Q V S L R V H G P Y W M H
structure: chymo-numb gene-sequential	41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 a b c d e
Mature human tryptase beta 1 amino acid sequence	F C G G S L I H P Q W V L T A A H C V G P D V K D
structure: chymo-numb gene-sequential	61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84
Mature human tryptase beta 1 amino acid sequence	L A A L R V Q L R E Q H L Y Y Q D Q L L P V S R I I V
structure: chymo-numb gene-sequential	90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114
Mature human tryptase beta 1 amino acid sequence	V H P Q F Y T A Q I G A D I A L L E L E E P V N V
structure: chymo-numb gene-sequential	115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139
Mature human tryptase beta 1 amino acid sequence	S S H V H T V T L P P A S E T F P P G M P C W V T

FIG. 7 cont.

structure: chymo-numb	
gene-sequential	
Mature human tryptase beta 1	amino acid sequence
structure: chymo-numb	
gene-sequential	
Mature human tryptase beta 1	amino acid sequence
structure: chymo-numb	
gene-sequential	
Mature human tryptase beta 1	amino acid sequence
structure: chymo-numb	
gene-sequential	
Mature human tryptase beta 1	amino acid sequence

140 141 142 143 144 145 146 147 148 149 150 151 152 a b 153 154 155 156 157 158 159 160 161 162 163 164
 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184
 G W G D V D N D E R L P P P F P L K Q V K V P I M E

165 166 167 168 169 170 171 172 173 a b c d e f g h i 174 175 176 177 178 179 180 181
 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210
 N H I C D A K Y H L G A Y T G D D V R I V R D D M L

182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206
 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235
 C A G N T R R D S C Q G D S G G P L V C K V N G T

207 208 209 210 211 212 213 214 215 216 217 218 219 220 221a 221 222 223 224 225 226 227 228 229 230 231
 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260
 W L Q A G V V S W G E G C A Q P N R P G I Y T R V

232 233 234 235 236 237 238 239 240 241 242 243 244 245 246
 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275
 T Y Y L D W I H H Y V P K K P

SEQ. ID NO.:97

FIG. 8

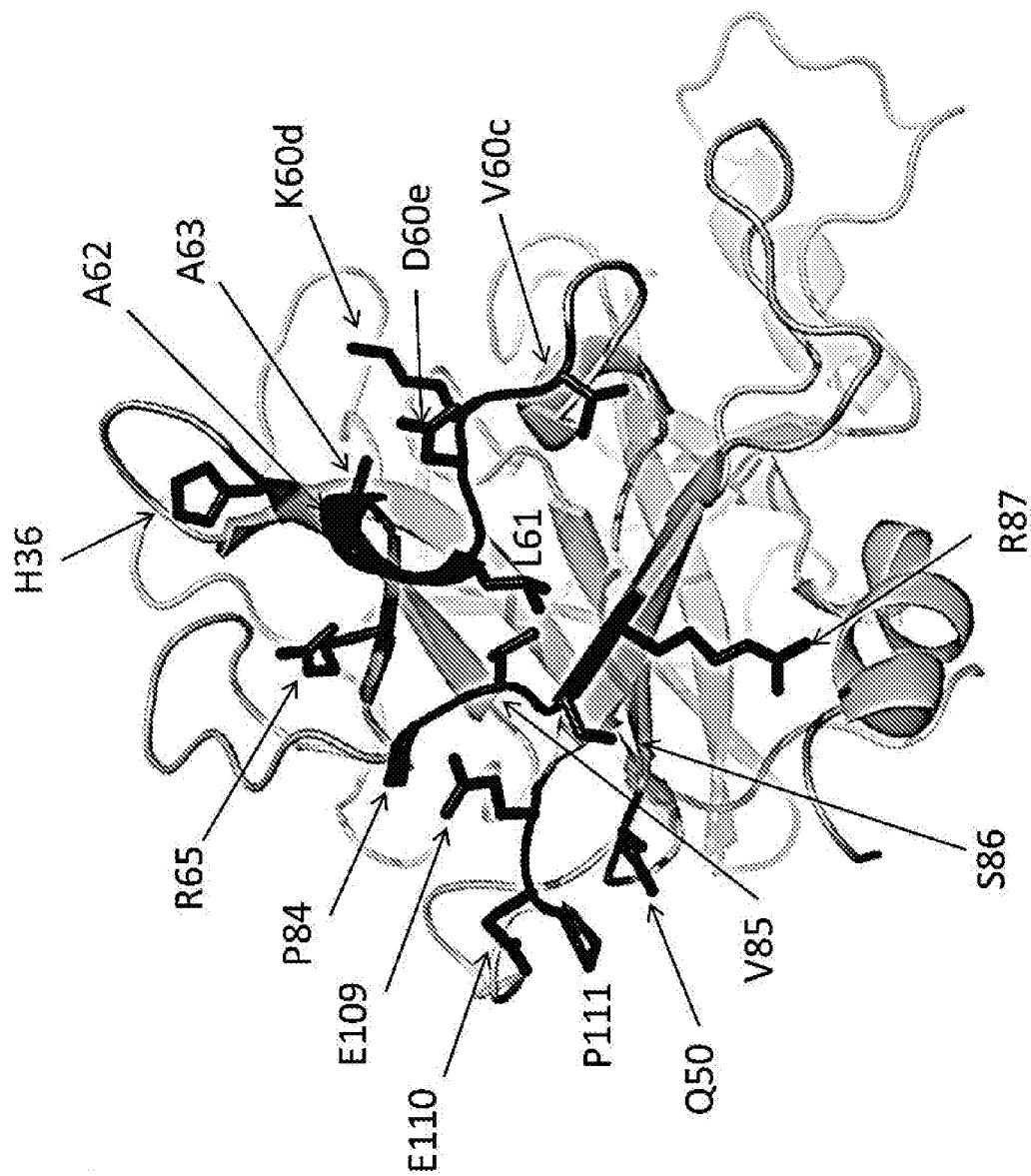


FIG. 9

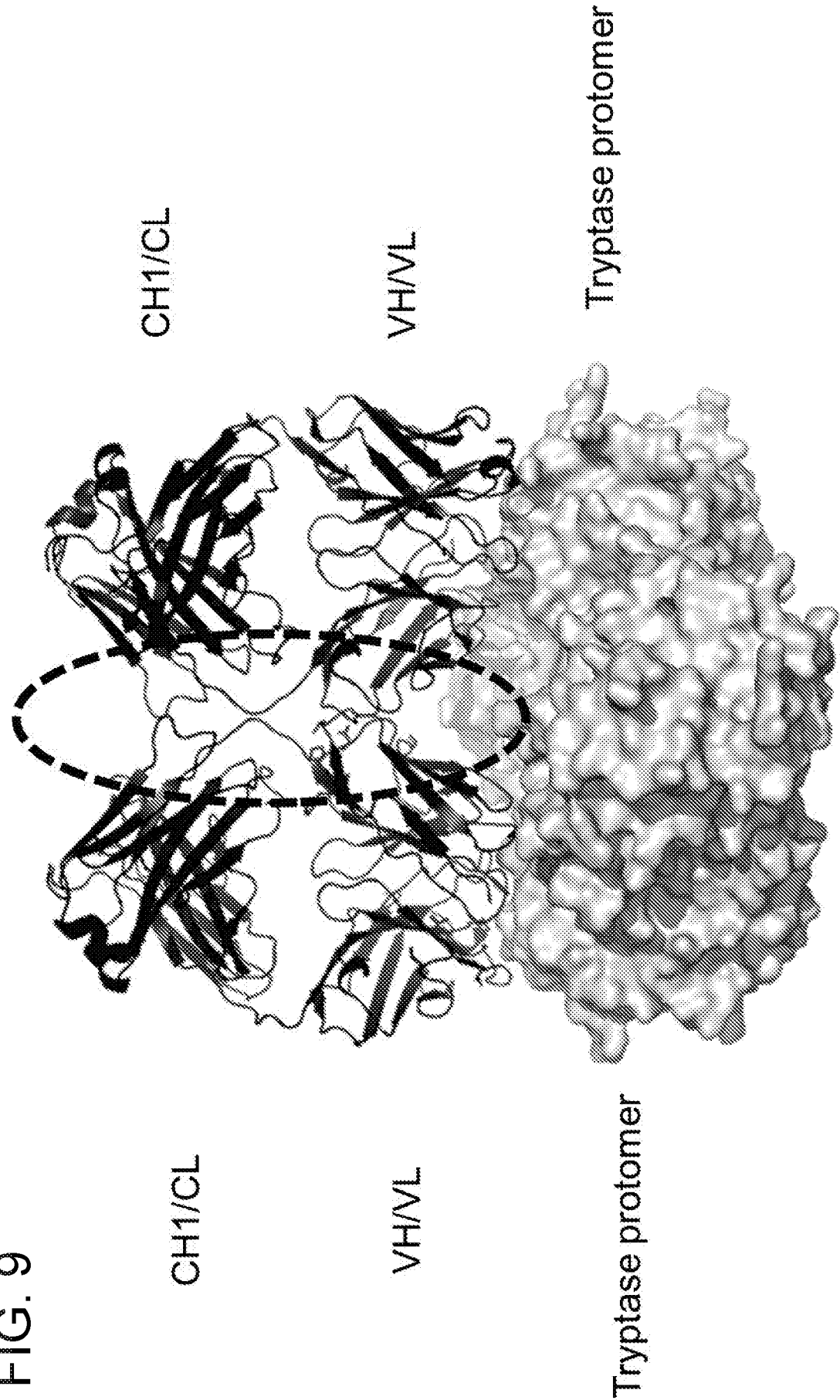
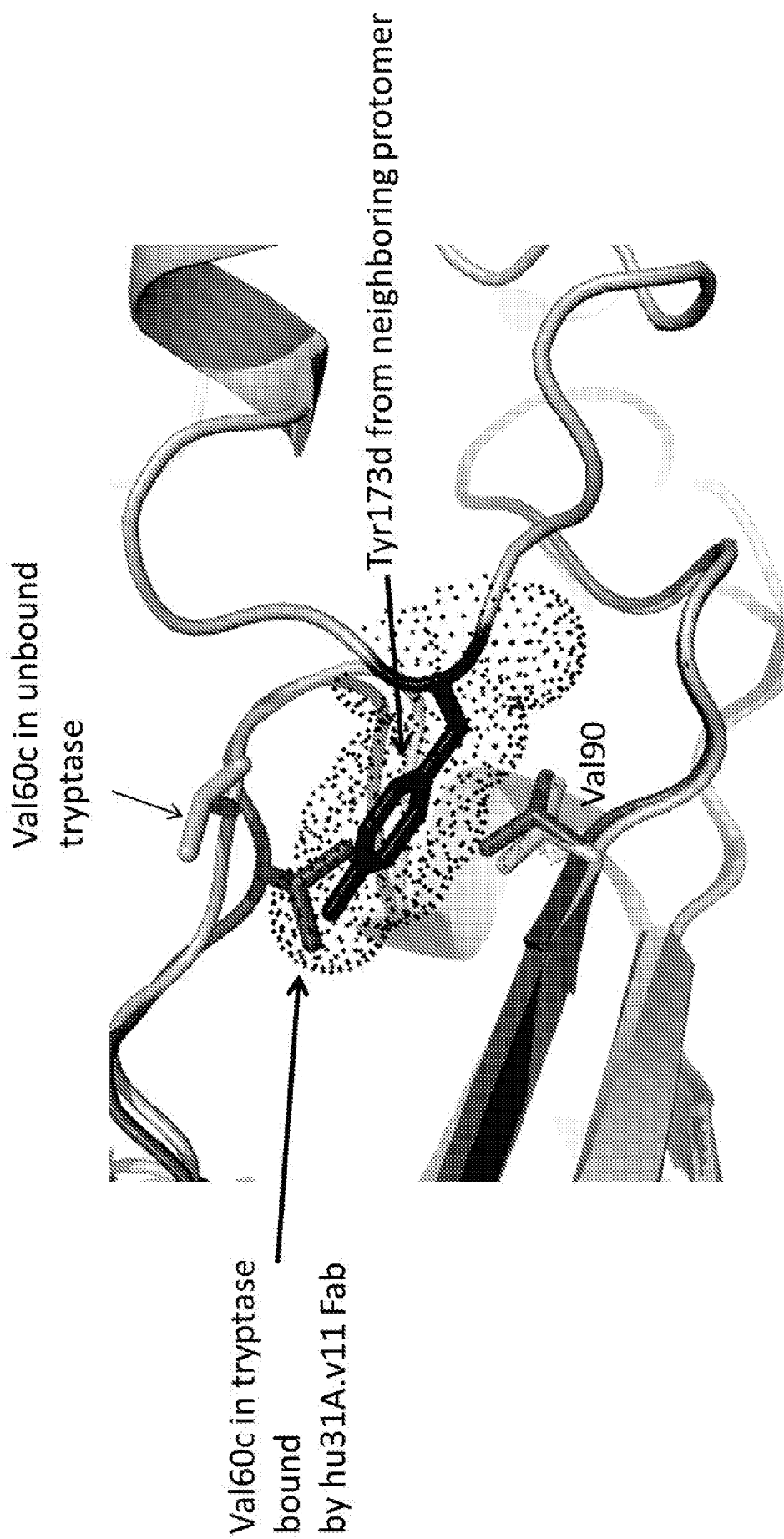
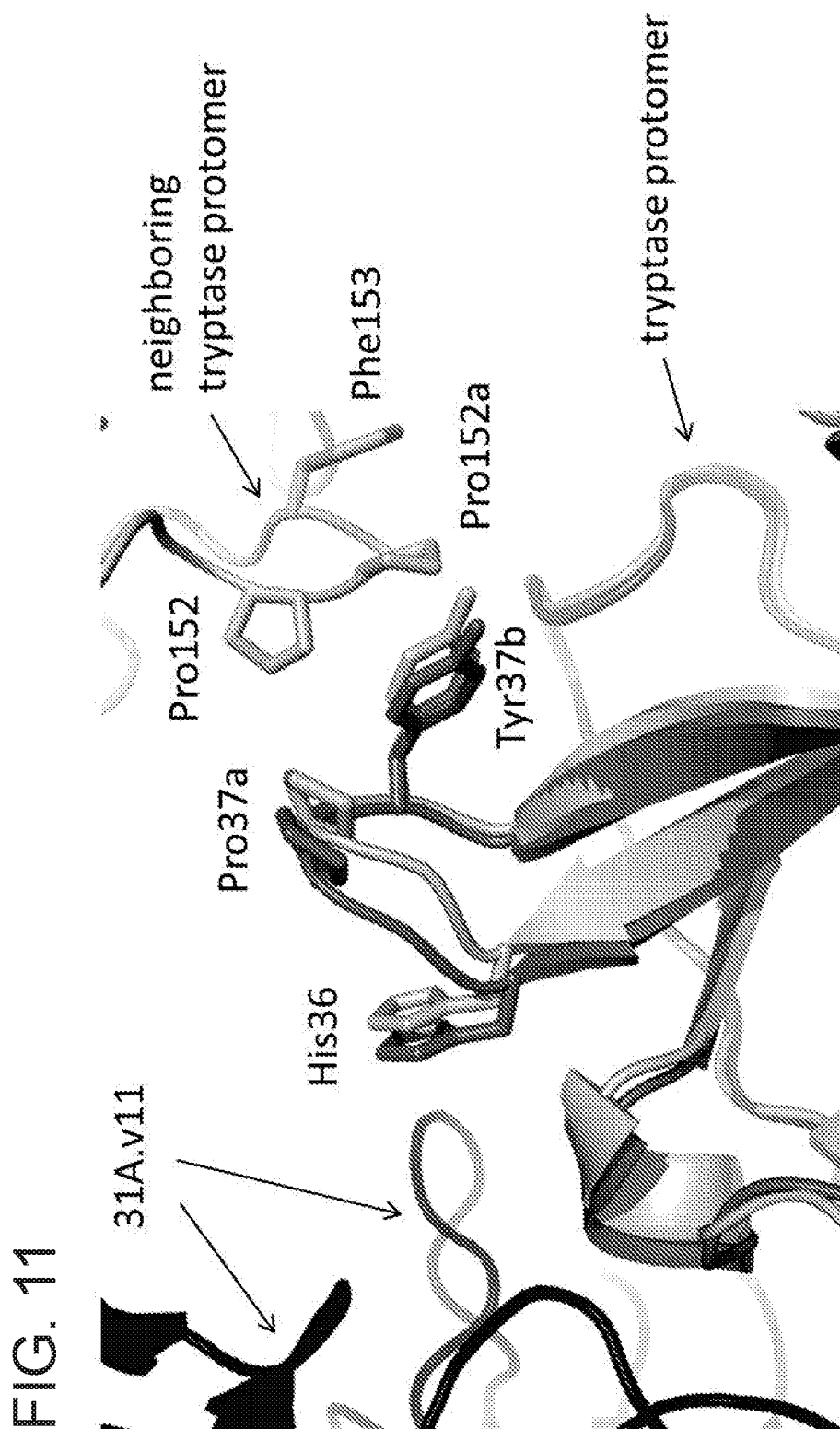


FIG. 10





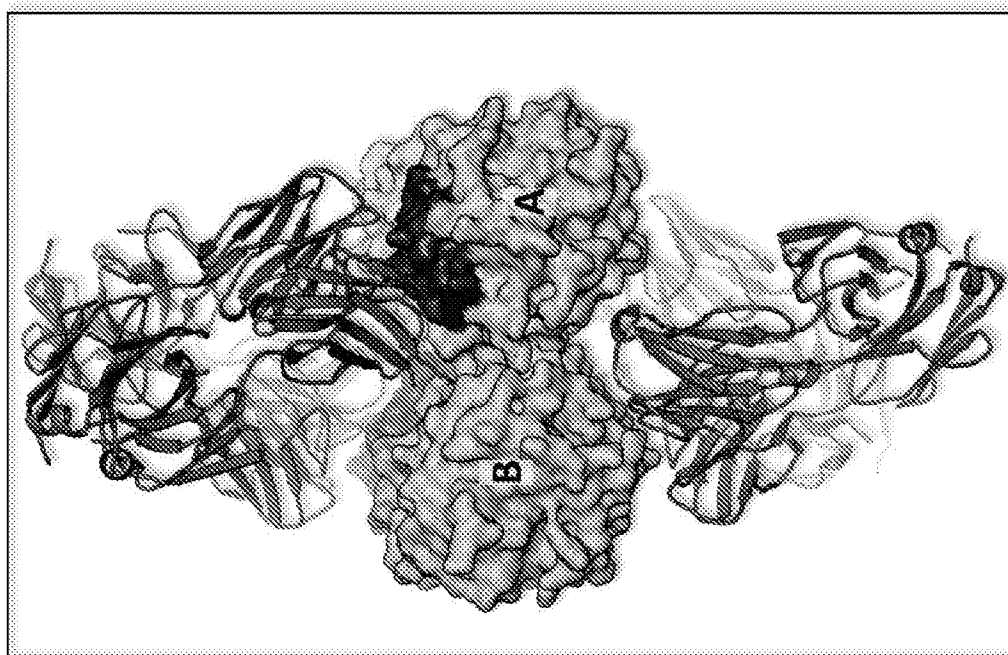
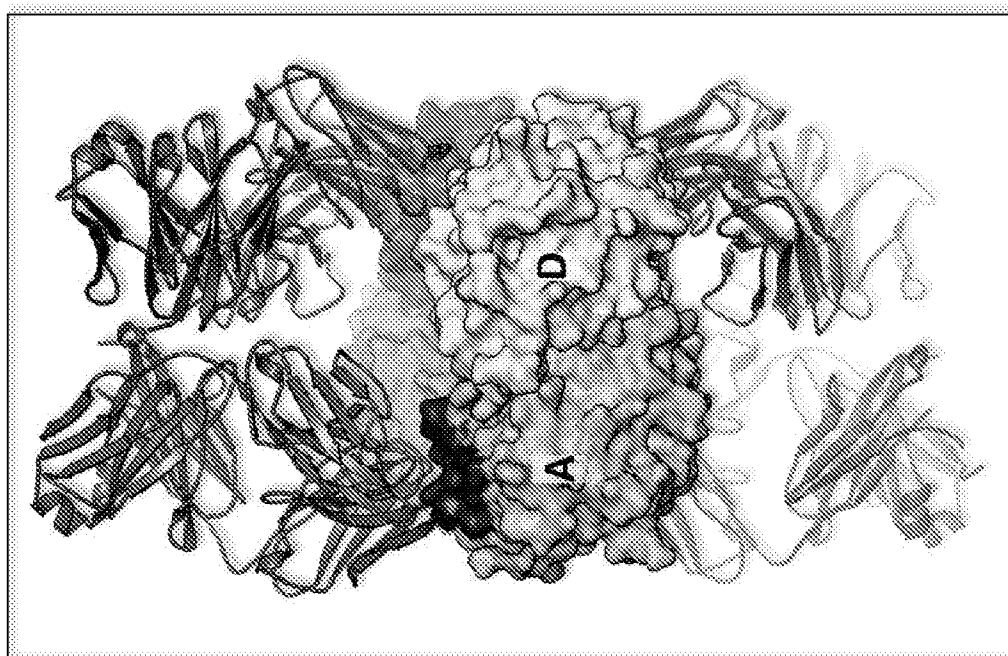
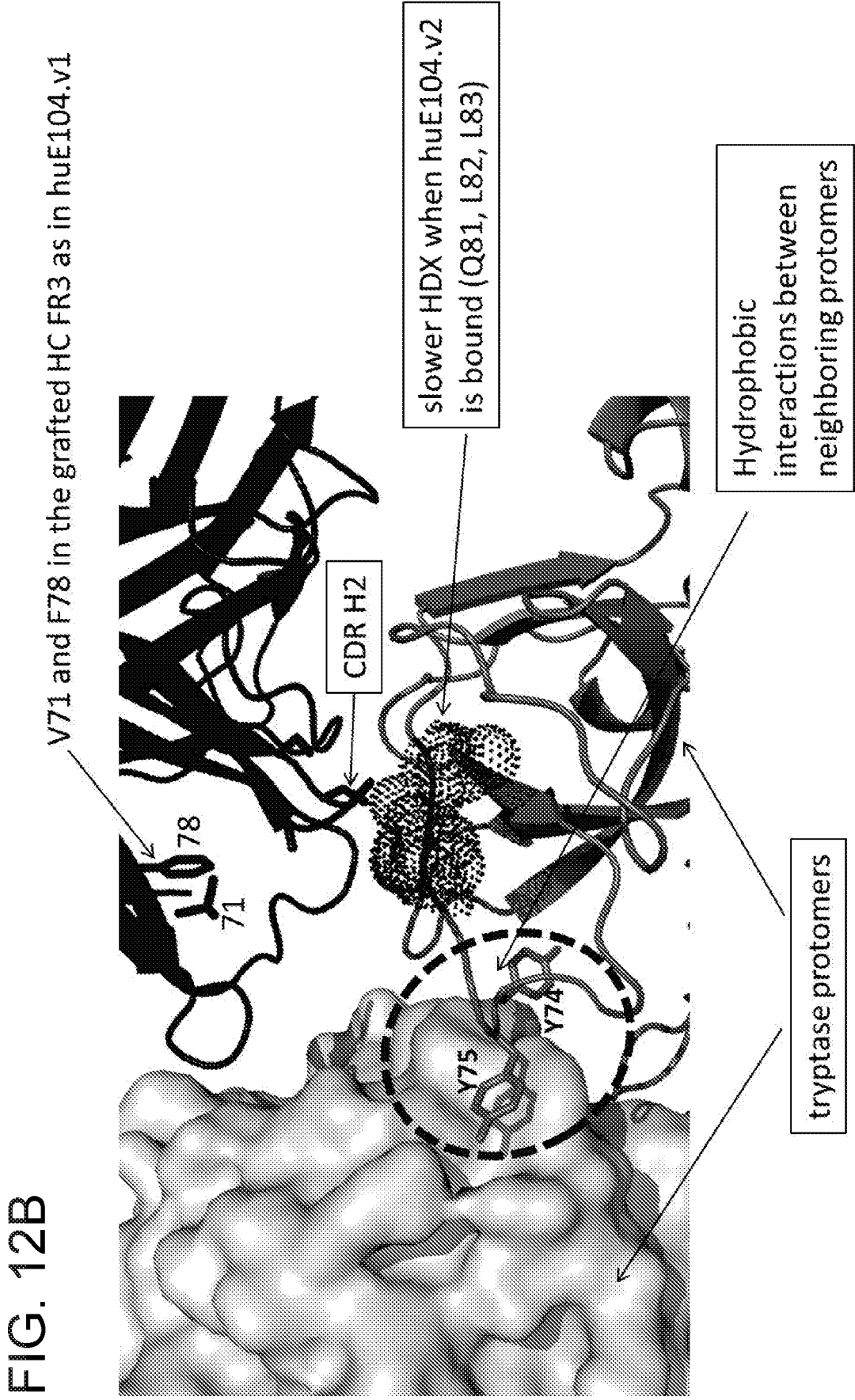
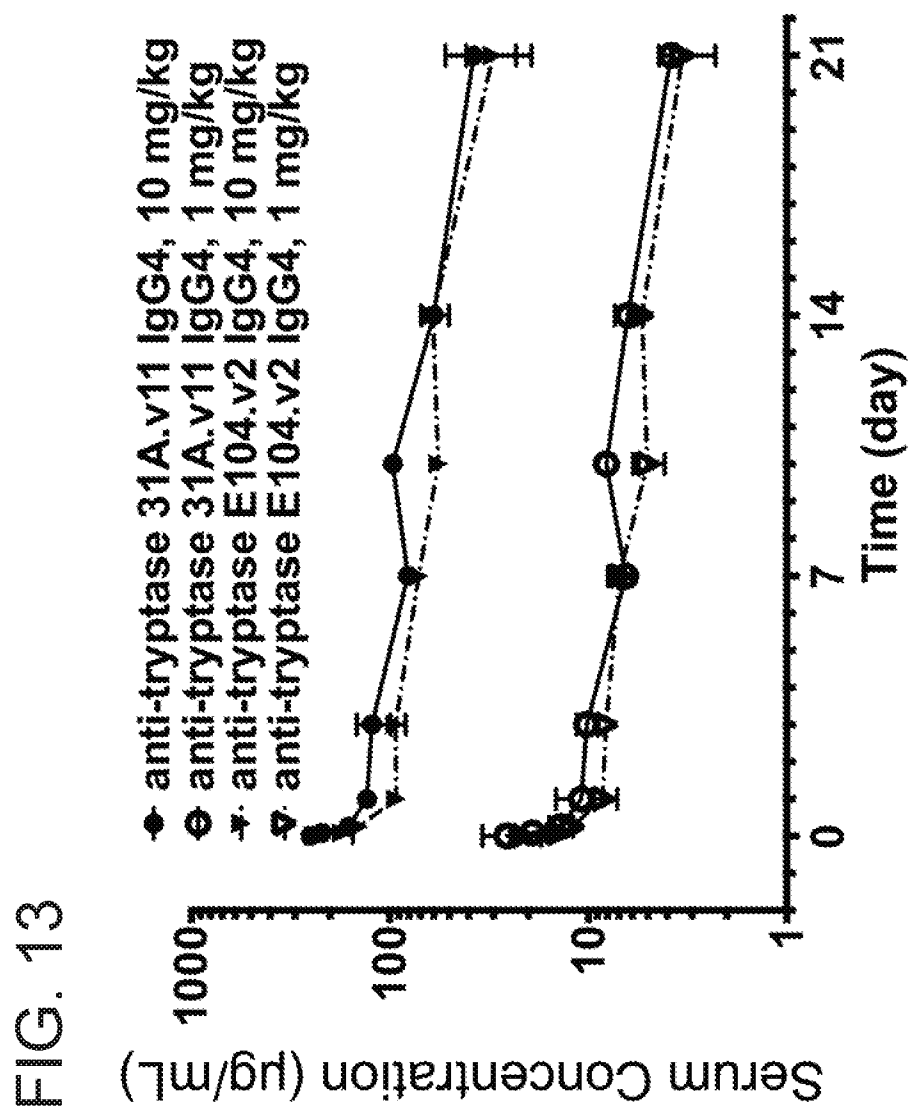


FIG. 12A





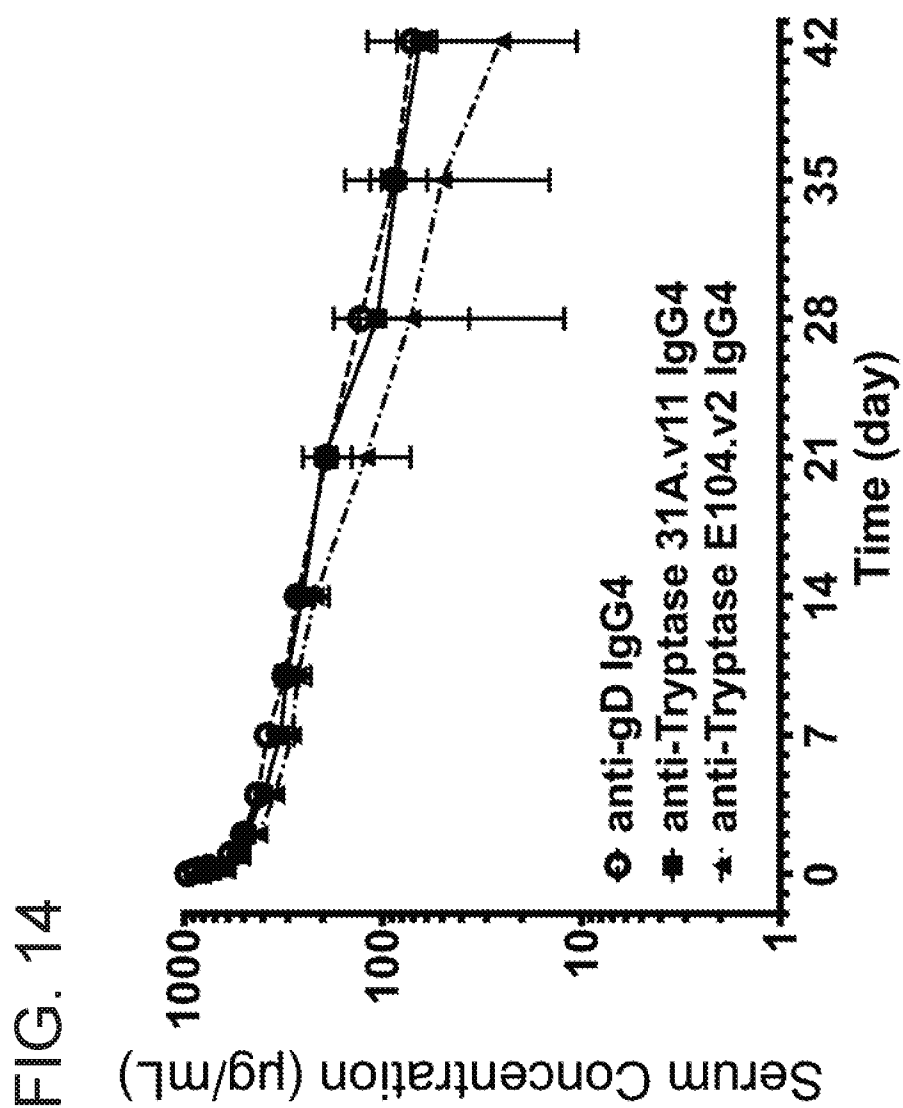


FIG. 15

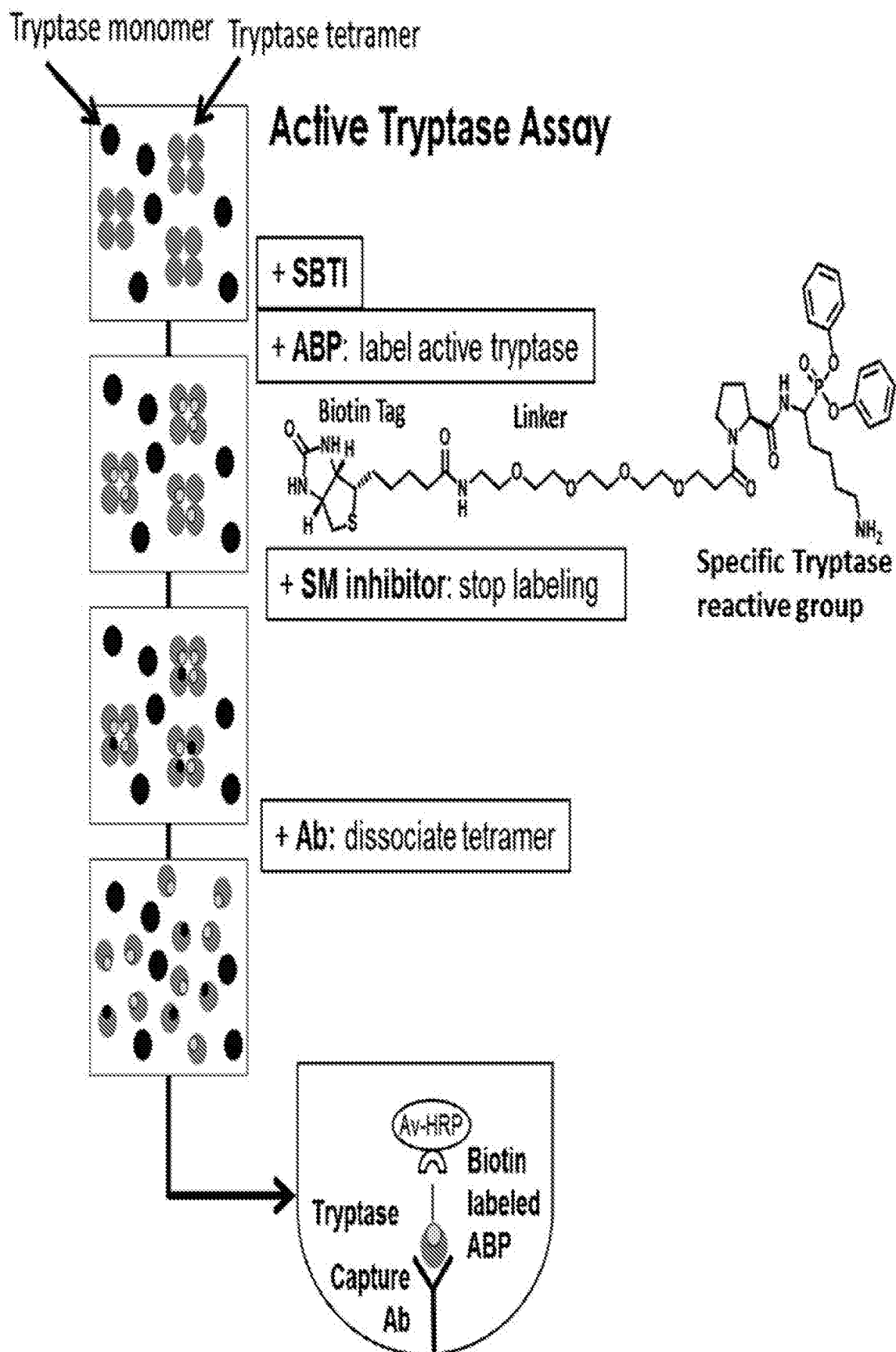


FIG. 15 cont.

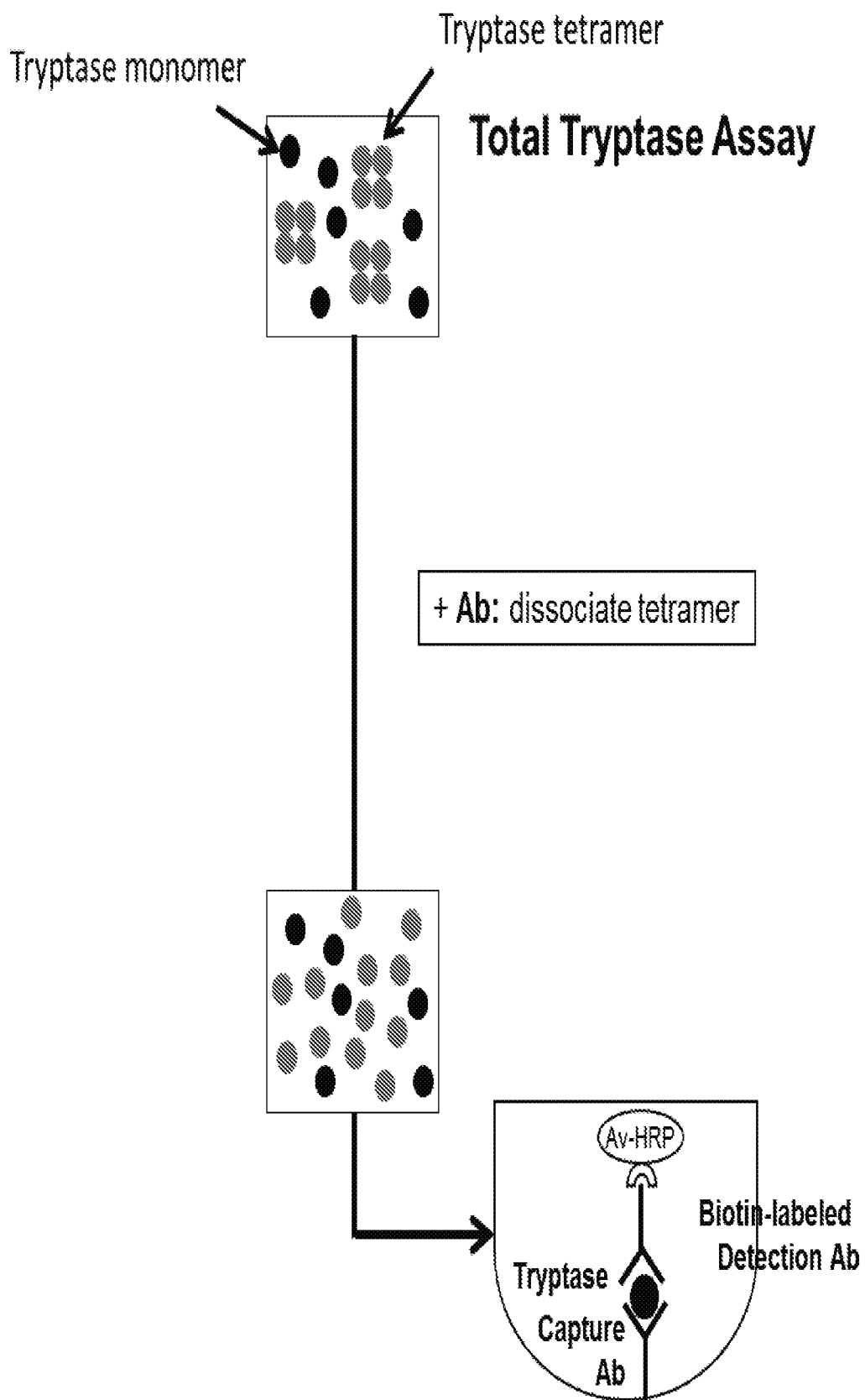


FIG. 16

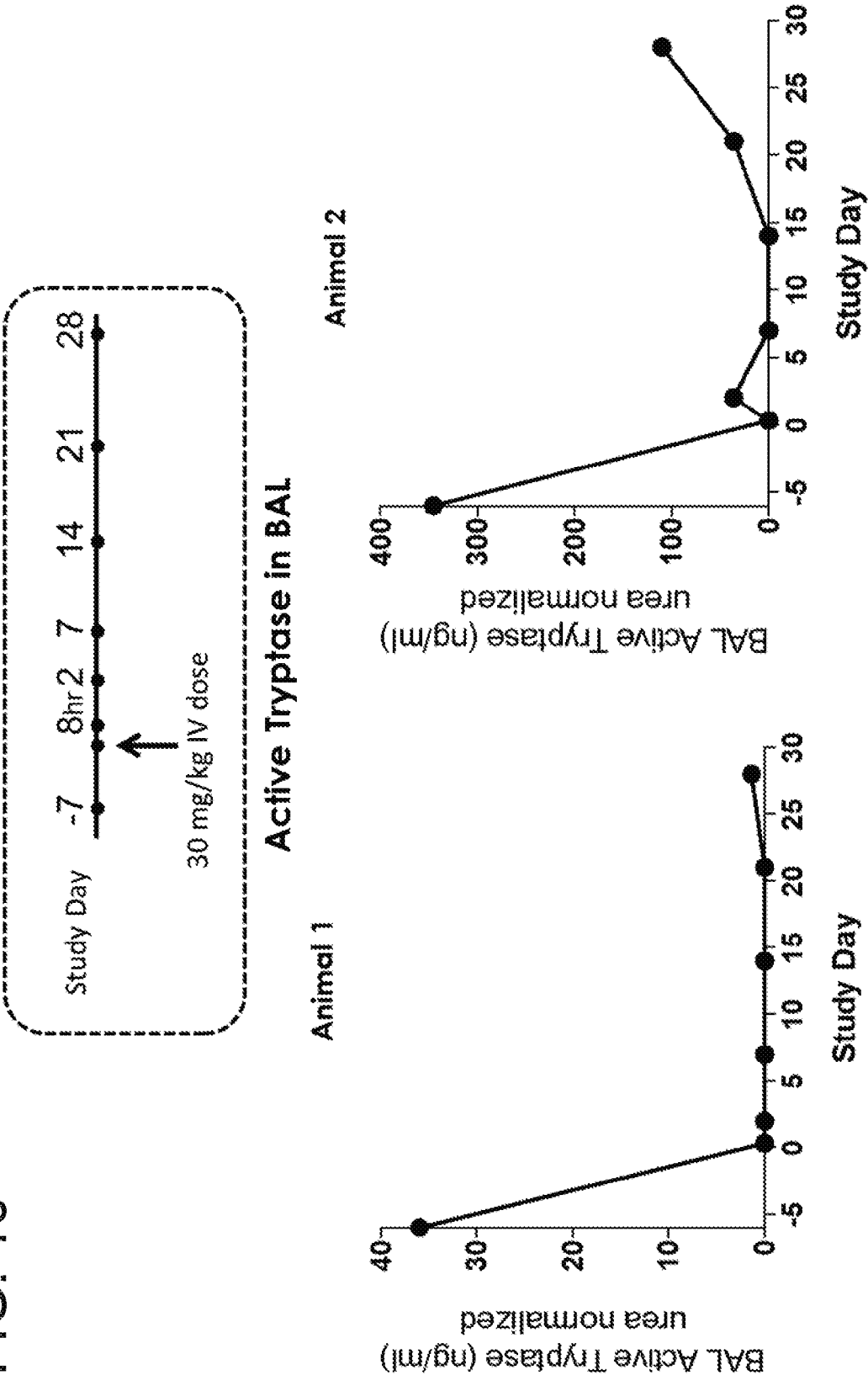


FIG. 17

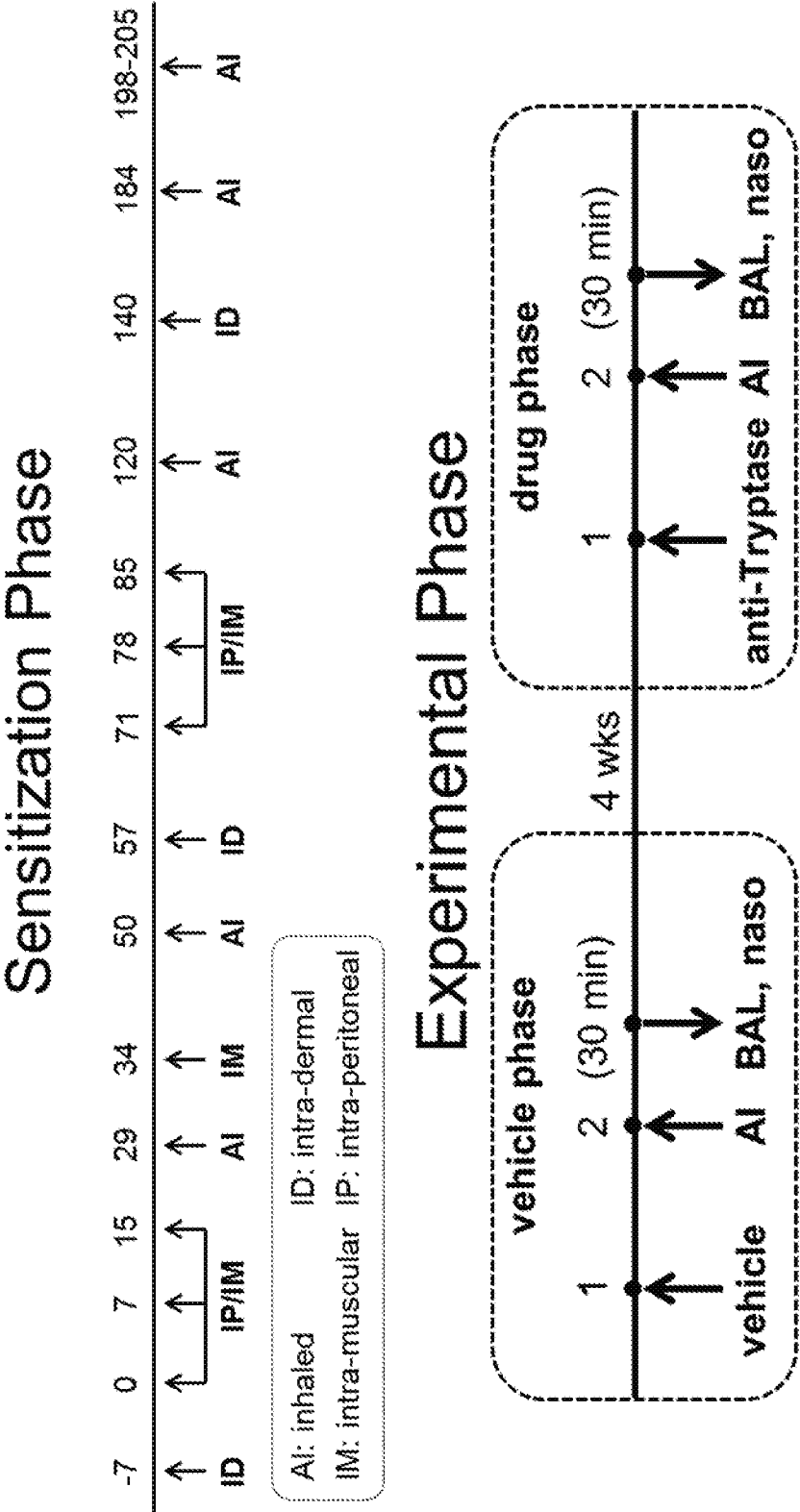
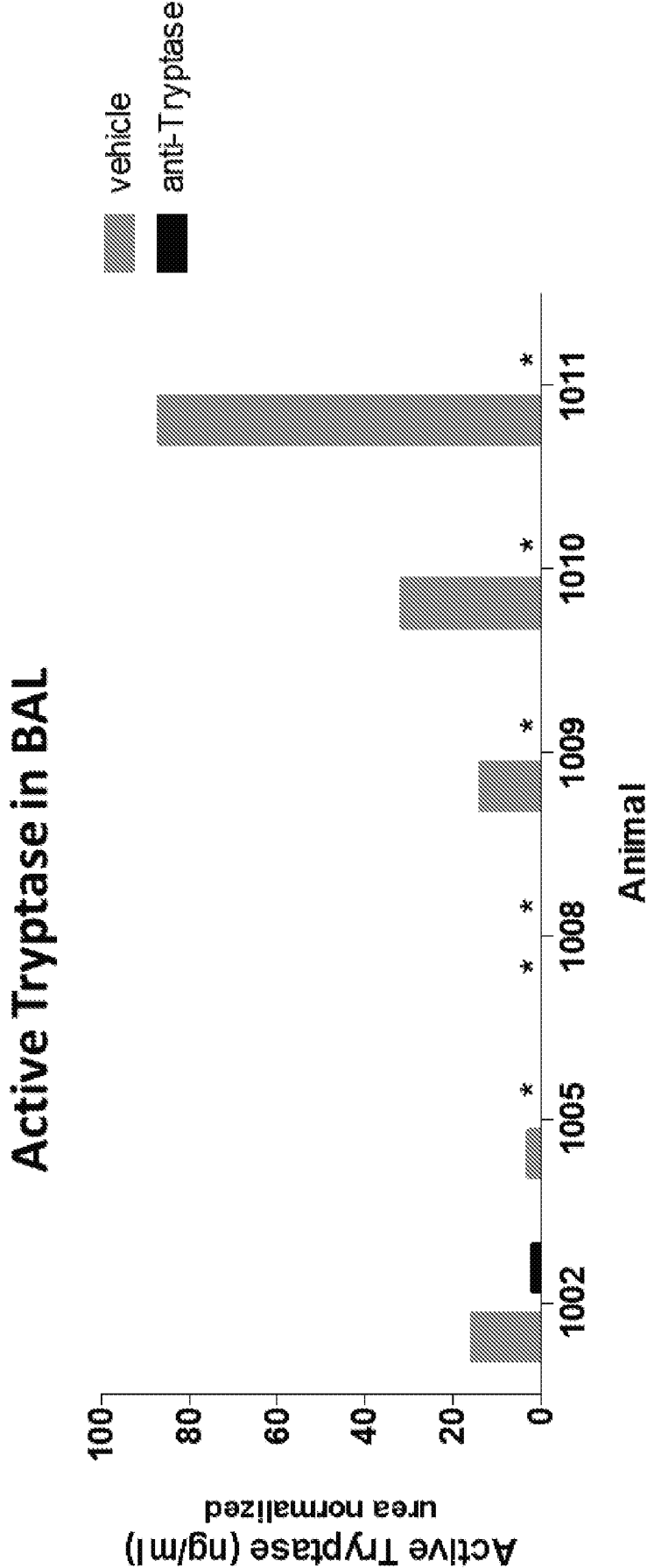
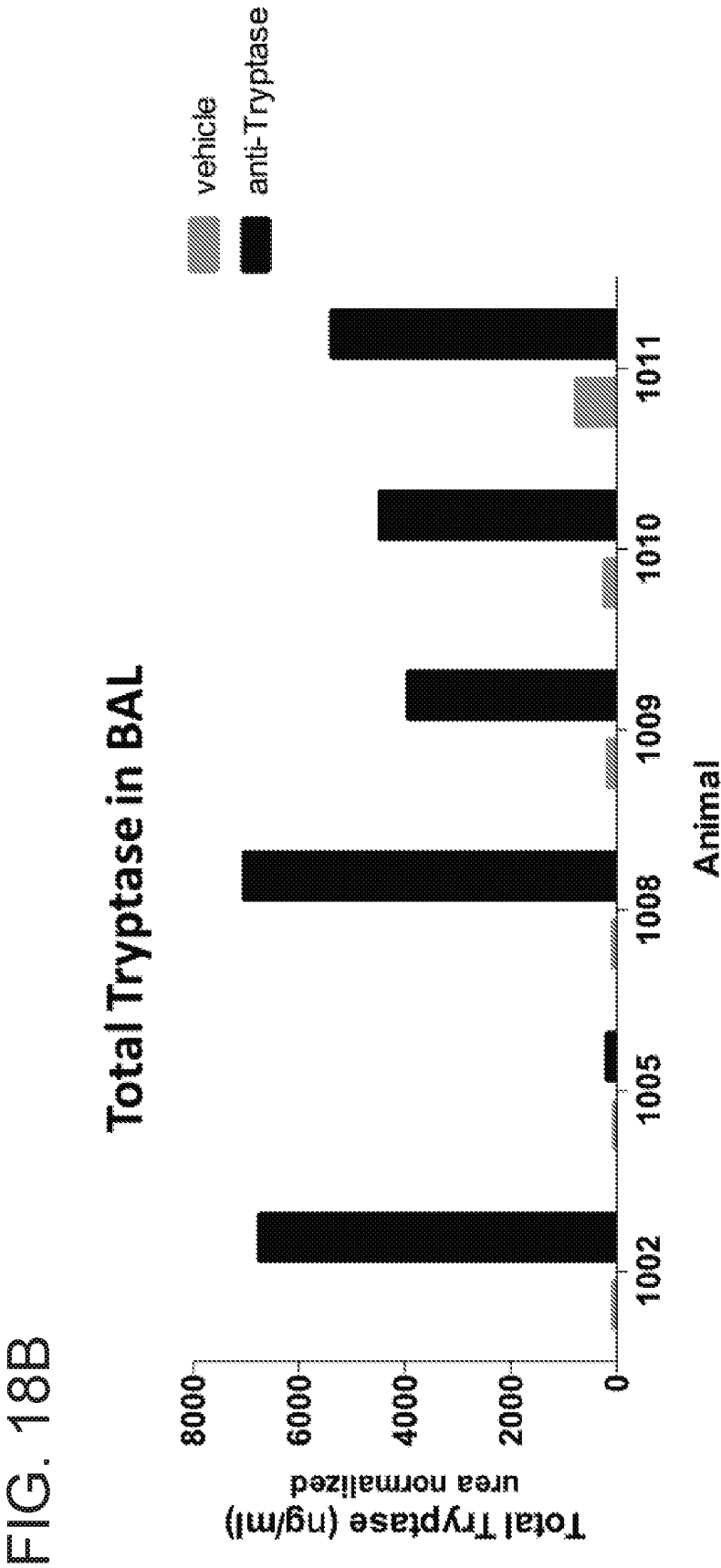


FIG. 18A





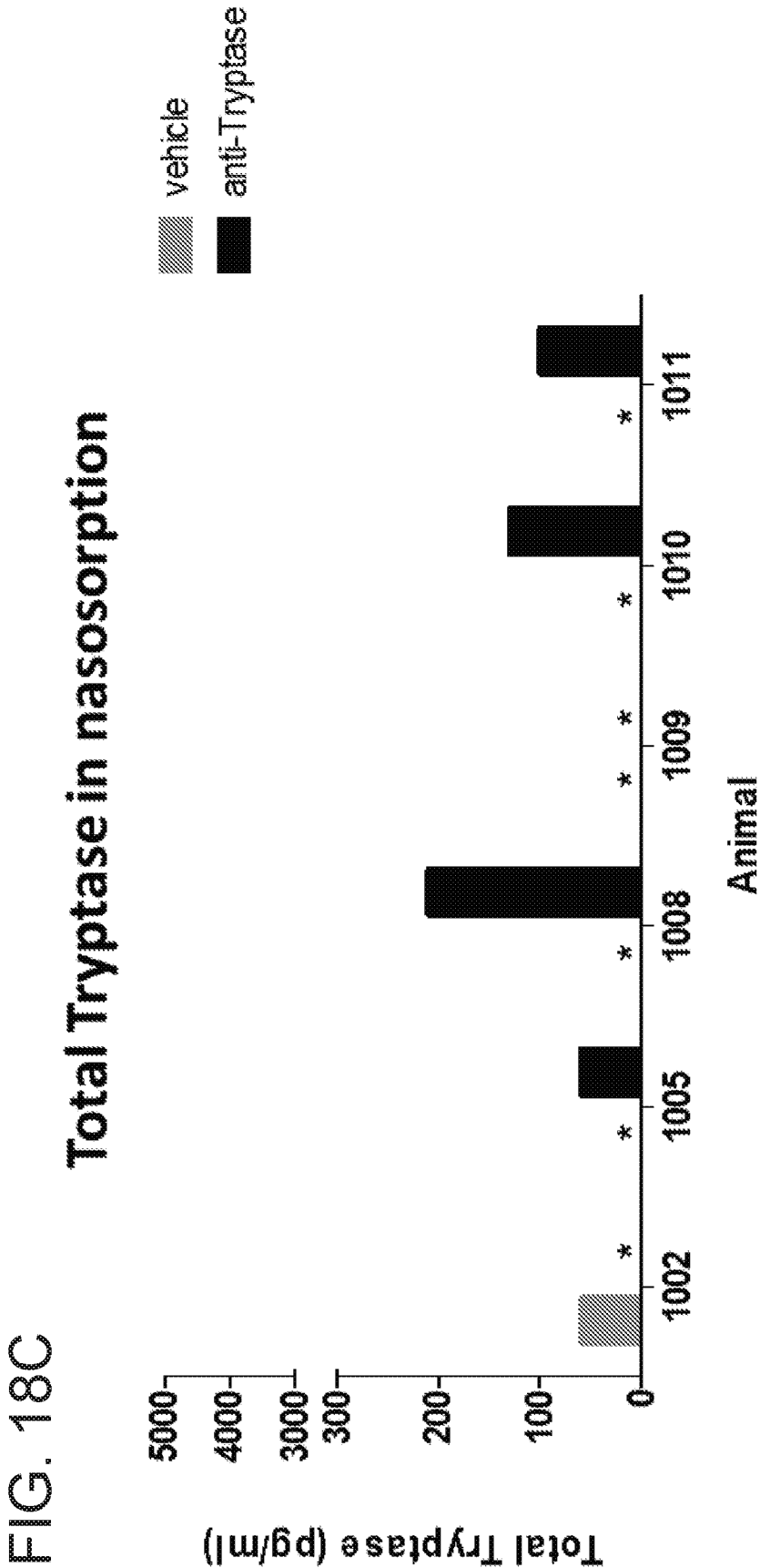


FIG. 19

