

BBC	DVQLQESGPD LVKPSQSLSLTCTVTGYSIT	SG-YTWH	WIRQF
1	-VQLQEWGPGLVKPSQTL	SLTCTVSGGSIY	NFGHYWSWIRHY
2	QVQLQESGPGLVKPSQTL	SLTCTVSGDSIN	SSGFYWTWIRQH
3(acceptor)	QVQLQESGPGLVKPSQTL	SLTCTVSGGSIS	SGAYYWSWIRQH
4	QVQLQESGPGLVKPSETL	SLTCTVSGDSIS	SGGTHWSWIRQL
5	QVQLQESGPGLVKPSQTL	SLTCTVSGTIS	TGGYHWTWIRQQ
6	QLQLQESGPRLVKPSQTL	SLTCSVSGGSIS	G-AYHWSWIRQL
7	---LEQSGPSLVKPSQTL	SLTCSVTGDSIT	SG-Y-WN
8	EVQLQESGPSLVKPSQTL	SLTCSVTGDSIT	NG-F-WI
BBC	PGNTLEWLG	YIHYSGNTKYSPSLKS	SRLSVTRDTSKNQFFLQLNSVTTEDTATYYCGREAL
1	PGKGLEWIG	YIYSGSTYYNPSLKS	SRLTISADTSKNQFSLELNSMTAADTAVYYCARAGG
2	PGKGLEWIG	SMFYGGSPYNNPSLKS	SRLTISVDTSKNQFSLYLNSVTAADTAVYYCARAFD
3(acceptor)	PGKGLEWIG	YIYSGTYYNPSLKS	SRLSMRDTSKNOFSLKLSSVTAADTAVYYCARGPY
4	PGQGLEWLG	LYNSRSTYYNPSLES	SRLTISADTSKNQFSNLSTVTAADTAVYYCARKSG
5	PGKGLEWLG	YIYHSGSSYYNPSLKS	SRLTISVDTSKNQFSNLNSVTAADTAVYYCARNNSG
6	PGKGLEWIG	YIYTGNTYFNPSLKS	RISISVDTSKNQFS LKMNSVTVADTAMYYCARDPI
7	PGNKLEYMG	YISYSGSTYYNLSLR	SRLTISVDTSKNQYYLQLNSVTTEDTATYYCALITT
8	PGNKLEYMG	YISYSGSTYYNPSLKS	RISITRDTSQNQFY LQLNSVTTEDTGTYCACRSY
BBC	RGYDHG	----FWFT	YWGQGLTV
1	SAAGTHD	----AFD	WGPGMTV
2	YSASGSF	----YFGS	WQGGLTV
3(acceptor)	YDSPRP	-----FDP	WQGGLTV
4	F	-----REFDL	WQGGLTV
5	-----	ADFDY	WQGGLTV
6	ALPGRG	----VFDY	WQGGLTV
7	----TT	----YAMDY	WQGGLTV
8	G--RTP	----YYFD	WQGGLTV

FIG. 1

BBC	DIQMTQSSSFVSLGDRVITITC <u>TASEDIYNRLTWYQQKPGNVPRL</u> <u>LISGATS</u> <u>LD</u> TGVPS
hBBC.8	DIQMTQSPSSLASVGDRVITITC <u>TASEDIYNRLTWYQQKPGKVPRL</u> <u>LISGATS</u> <u>LD</u> TGVPS
hBBC.9	DIQMTQSPSSLASVGDRVITITC <u>TASEDIYNRLTWYQQKPGKVPRL</u> <u>LISGATS</u> <u>LD</u> TGVPS
hBBC.10	DIQMTQSPSSLASVGDRVITITC <u>TASEDIYNRLTWYQQKPGKVPRL</u> <u>LISGATS</u> <u>LD</u> TGVPS
human	DIQMTQSPSSLASVGDRVITITC <u>RASQGISNYLAWYQQKPGKVPKLLIYAAS</u> <u>TLQSGVPS</u>
BBC	RFSGS <u>R</u> SGKD <u>Y</u> ALSITSLQTEDVATYCC <u>QYWTTPWT</u> FGGTRLEIK
hBBC.8	RFSGS <u>R</u> SGTD <u>F</u> LTISLQPEDVATYCC <u>QYWTTPWT</u> FGQGTKLEIK
hBBC.9	RFSGS <u>R</u> SGTD <u>Y</u> LTISLQPEDVATYCC <u>QYWTTPWT</u> FGQGTKLEIK
hBBC.10	RFSGS <u>G</u> SGTD <u>Y</u> LTISLQPEDVATYCC <u>QYWTTPWT</u> FGQGTKLEIK
human	RFSGS <u>G</u> SGTD <u>F</u> LTISLQPEDVATYCC <u>KYNSAPYTF</u> FGQGTKLEIK

FIG. 2A

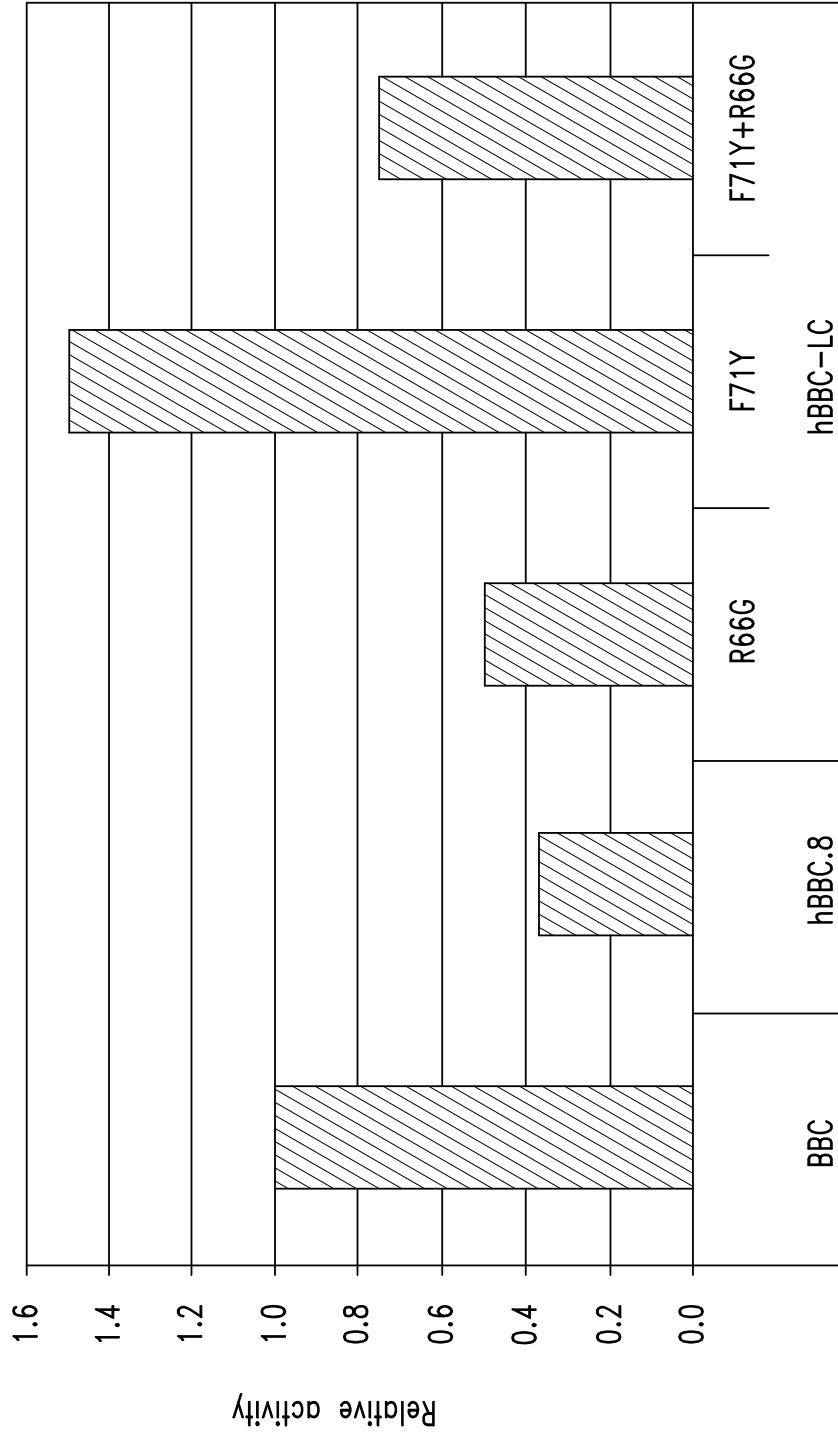
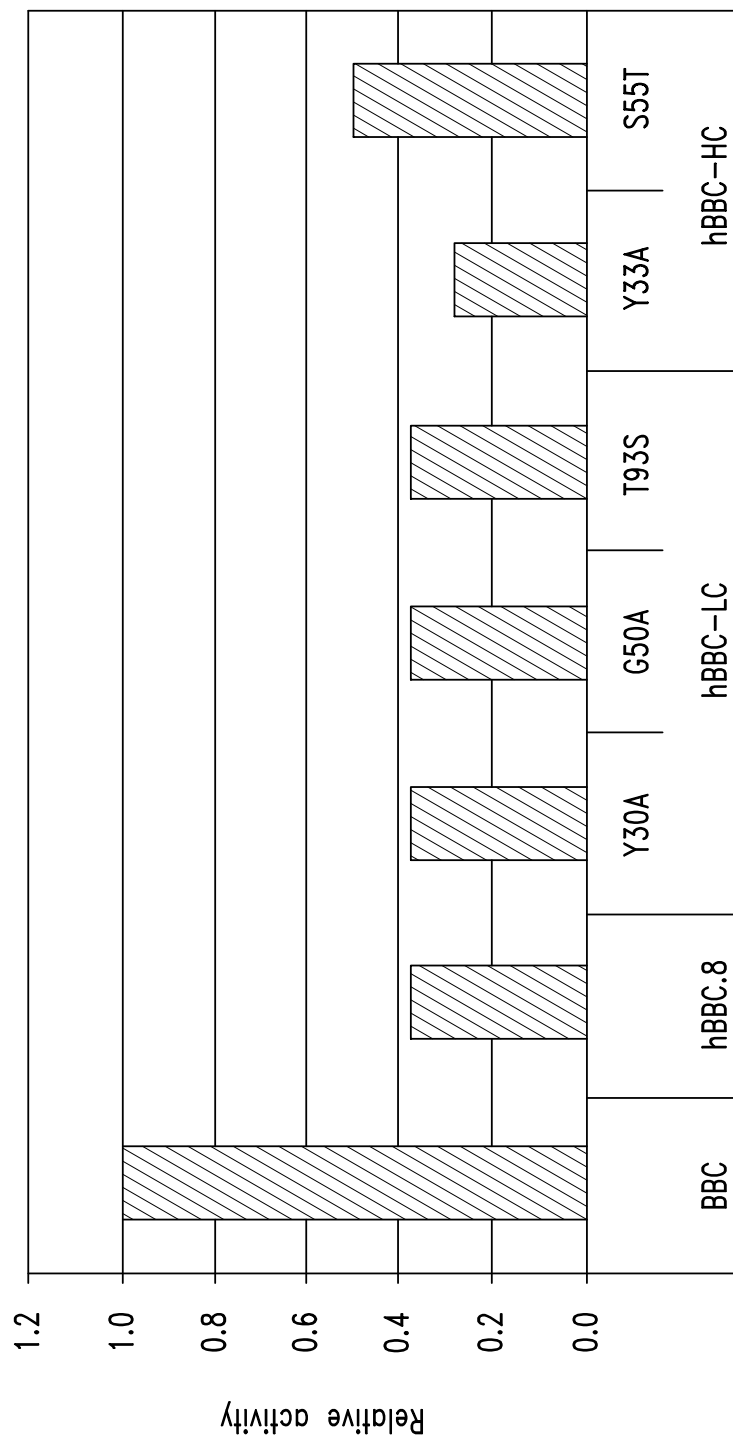
 AGS

FIG. 2B



AGS

FIG. 2C

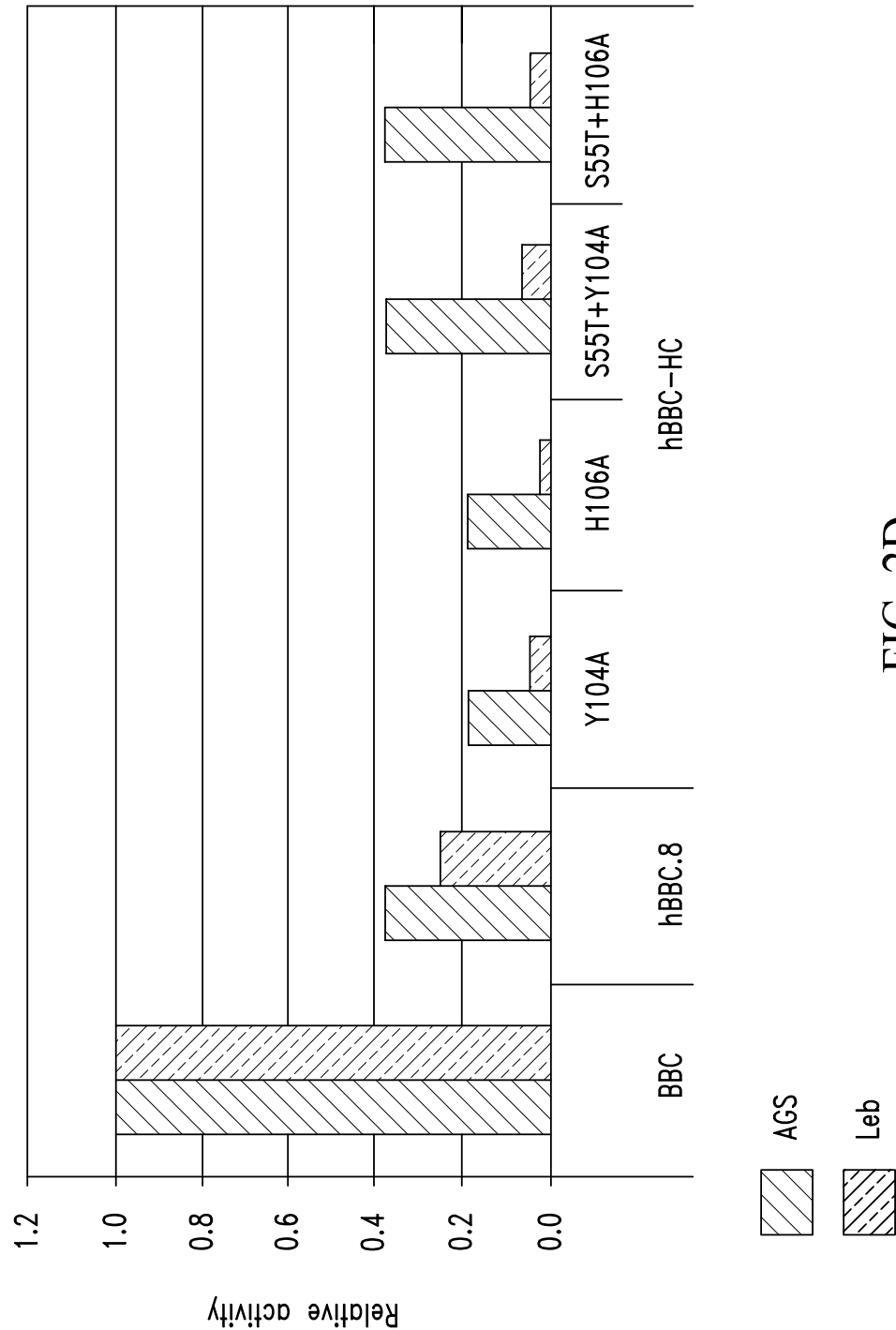


FIG. 2D

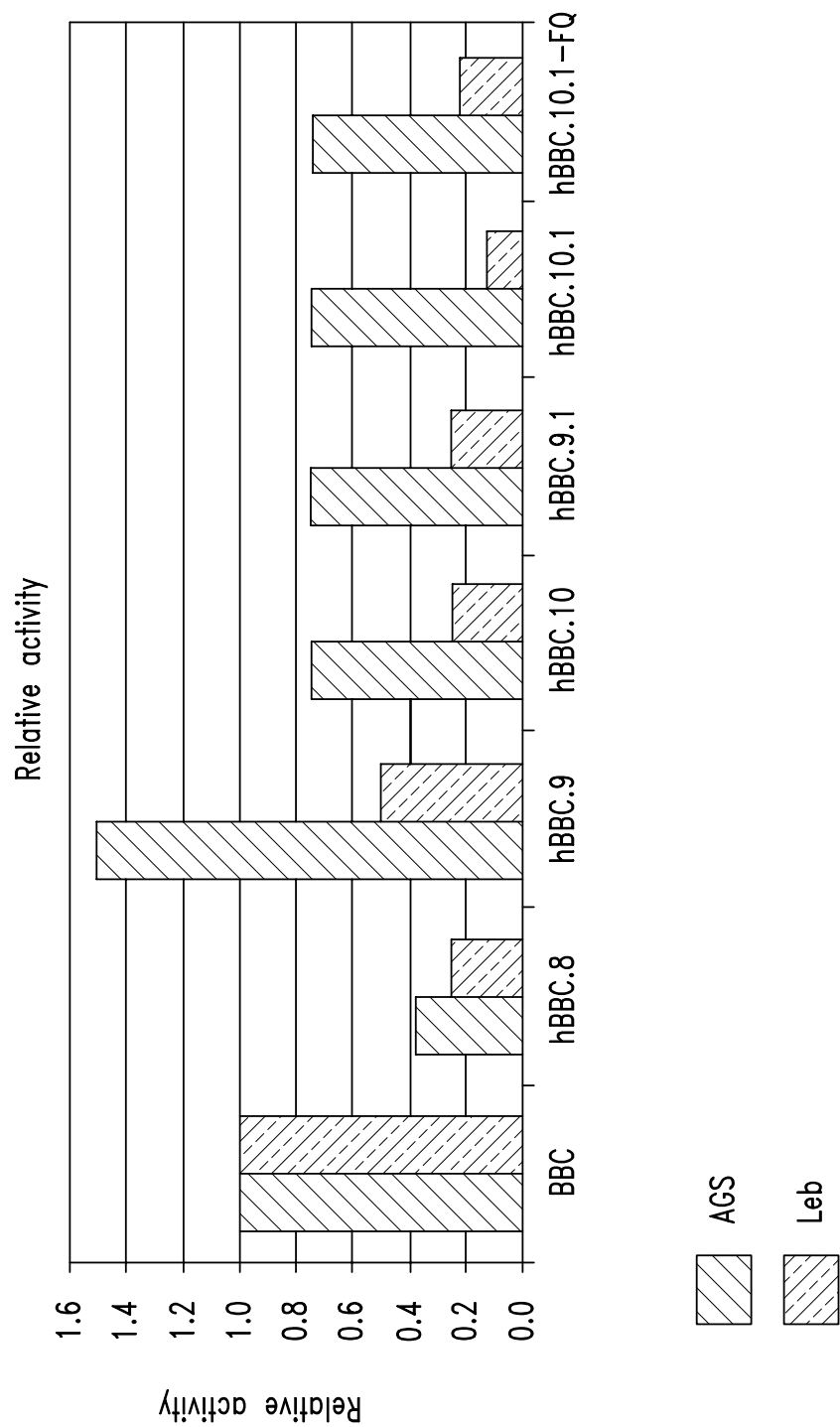
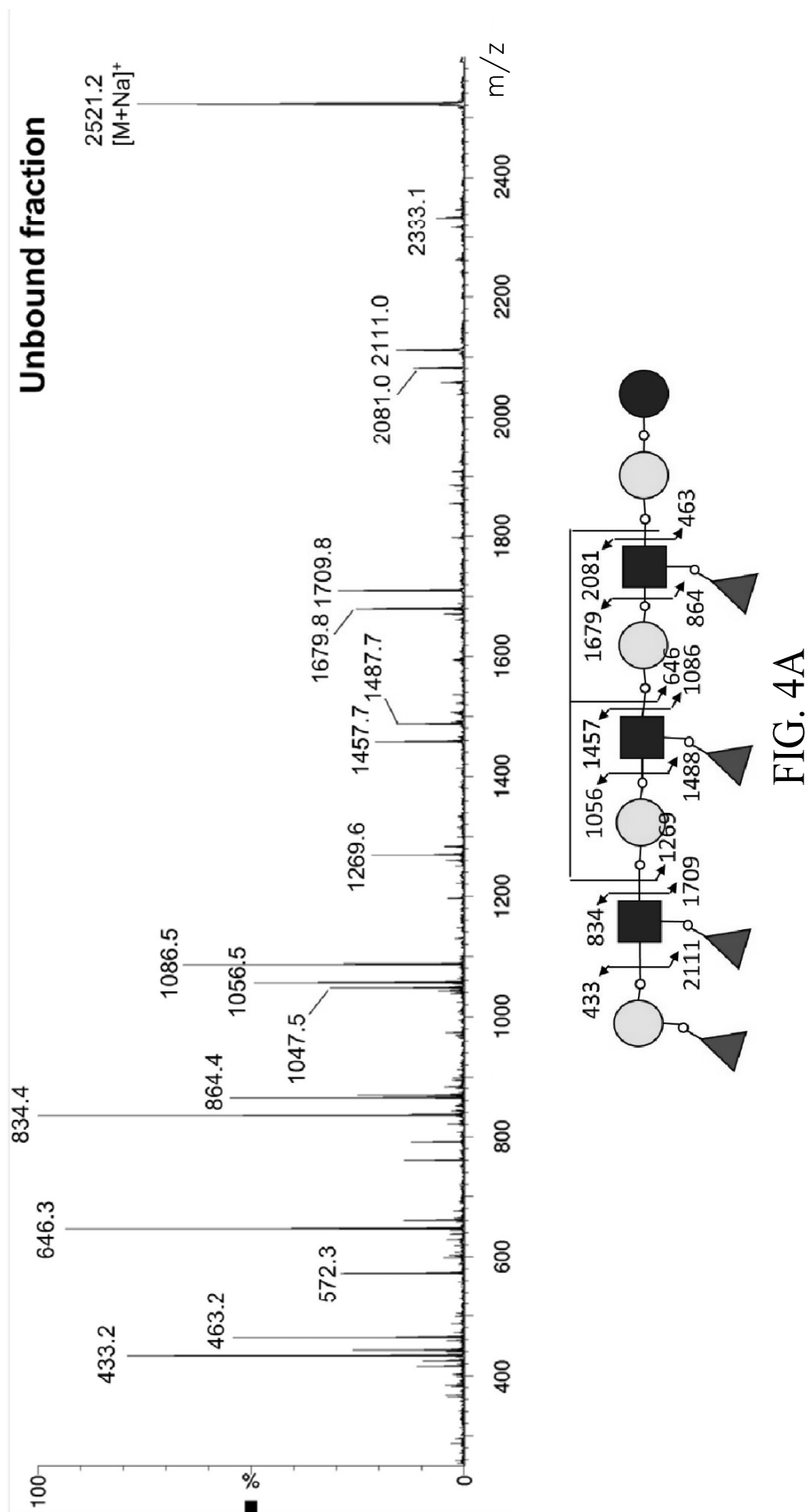
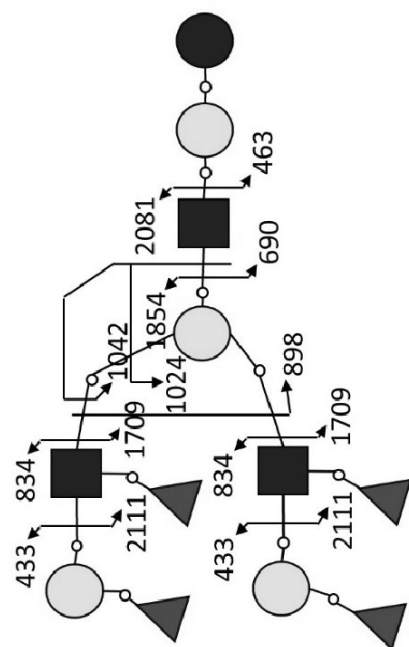


FIG. 2E

hBBC.10.1	RLSISRDTSKN[Q][F][F][L][K][L][S][V][T][T][E][D][T][A][V][Y][Y][C][G][R]
hBBC.10.1FQ	RLSISRDTSKN[T][F][Y][L][Q][M][N][S][L][T][T][E][D][T][A][V][Y][Y][C][G][R]
reference 1	RFTISRDDSKN[T][F][Y][L][Q][M][N][S][L][R][A][E][D][T][A][V][Y][Y][C][A][R]
reference 2	RFTISADTSKN[T][A][Y][L][Q][M][N][S][L][R][A][E][D][T][A][V][Y][Y][C][S][R]

FIG. 3





BBC-bound fraction

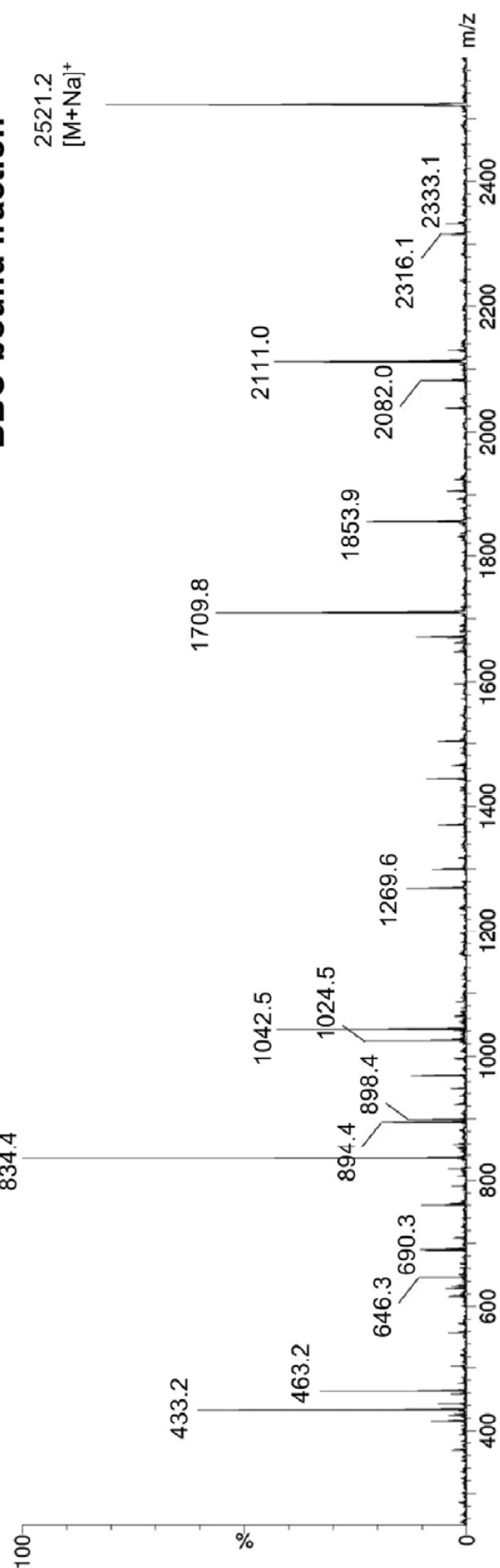


FIG. 4B

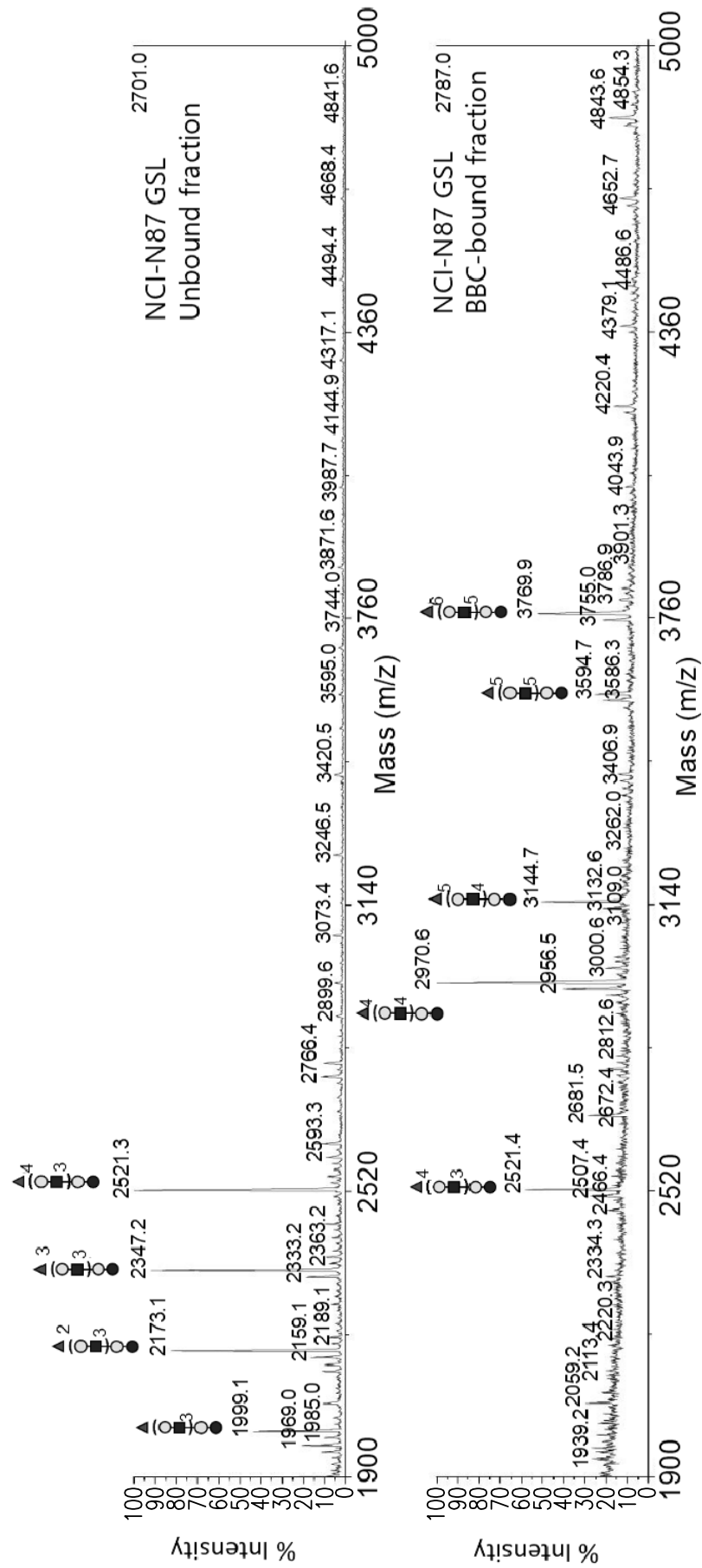


FIG. 5A

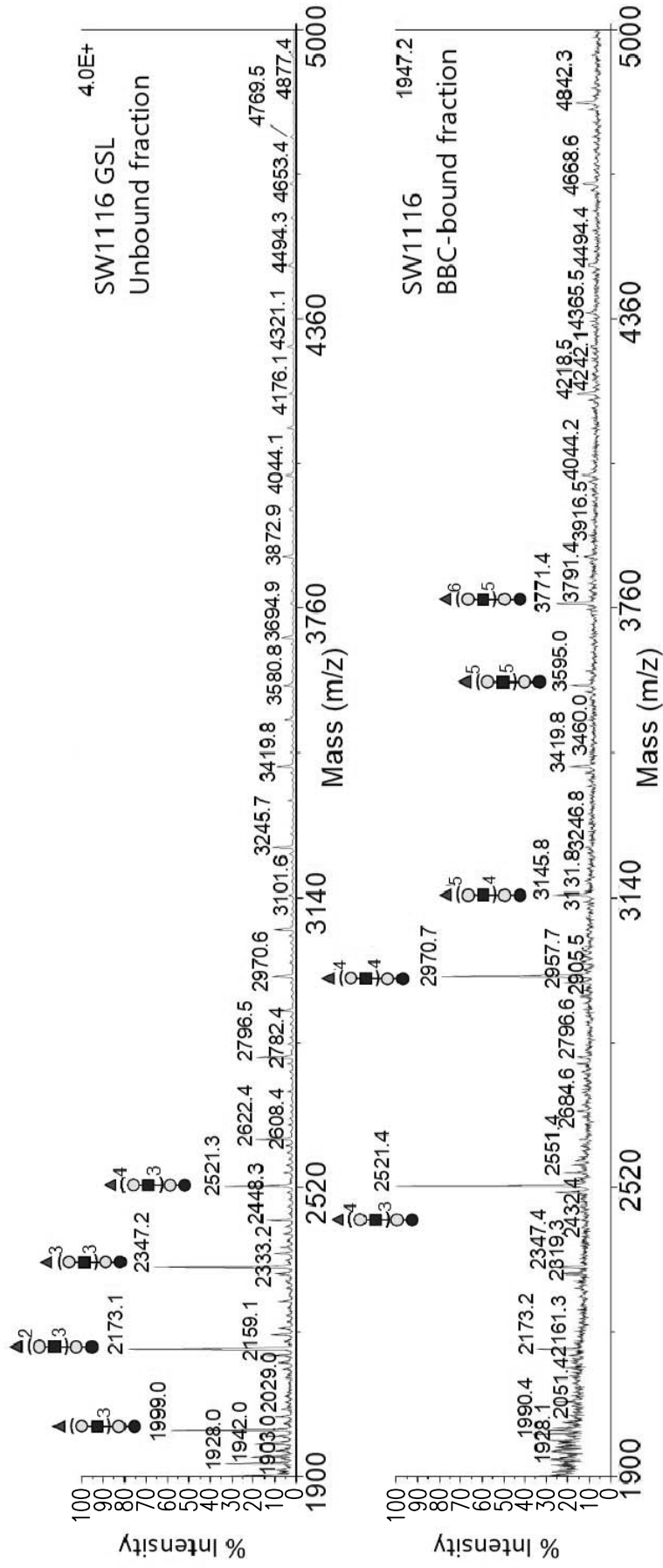


FIG. 5B

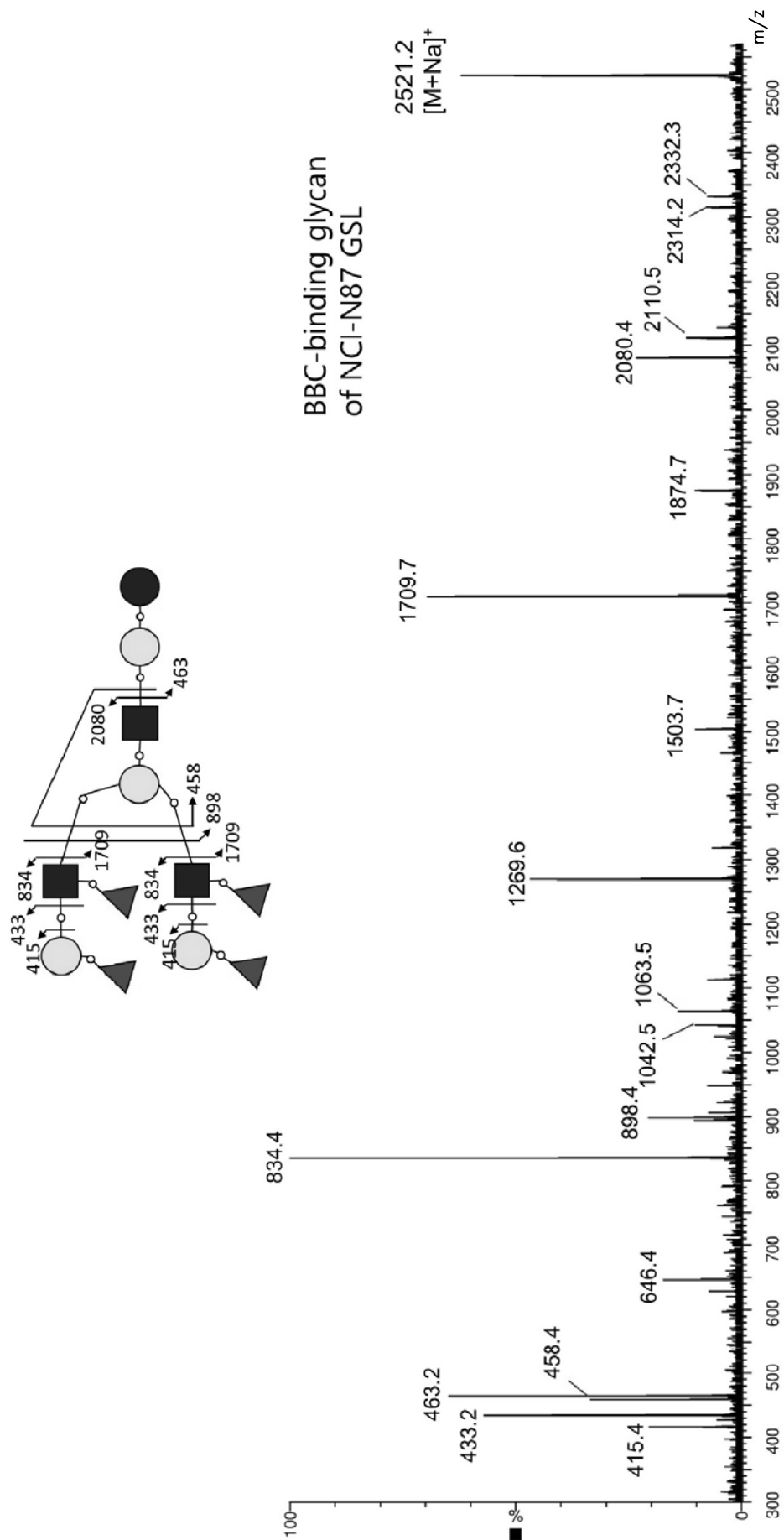


FIG. 6A

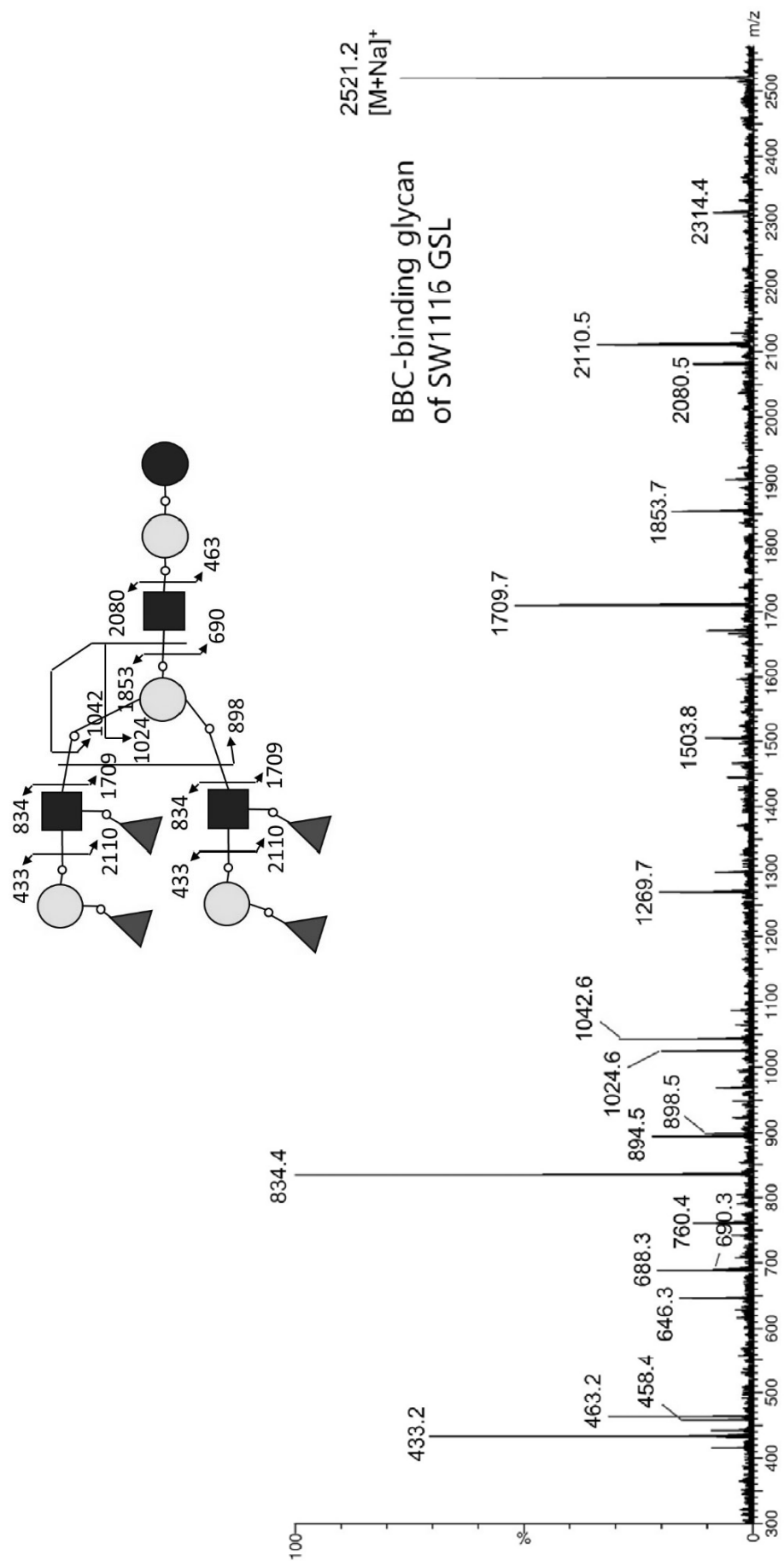


FIG. 6B

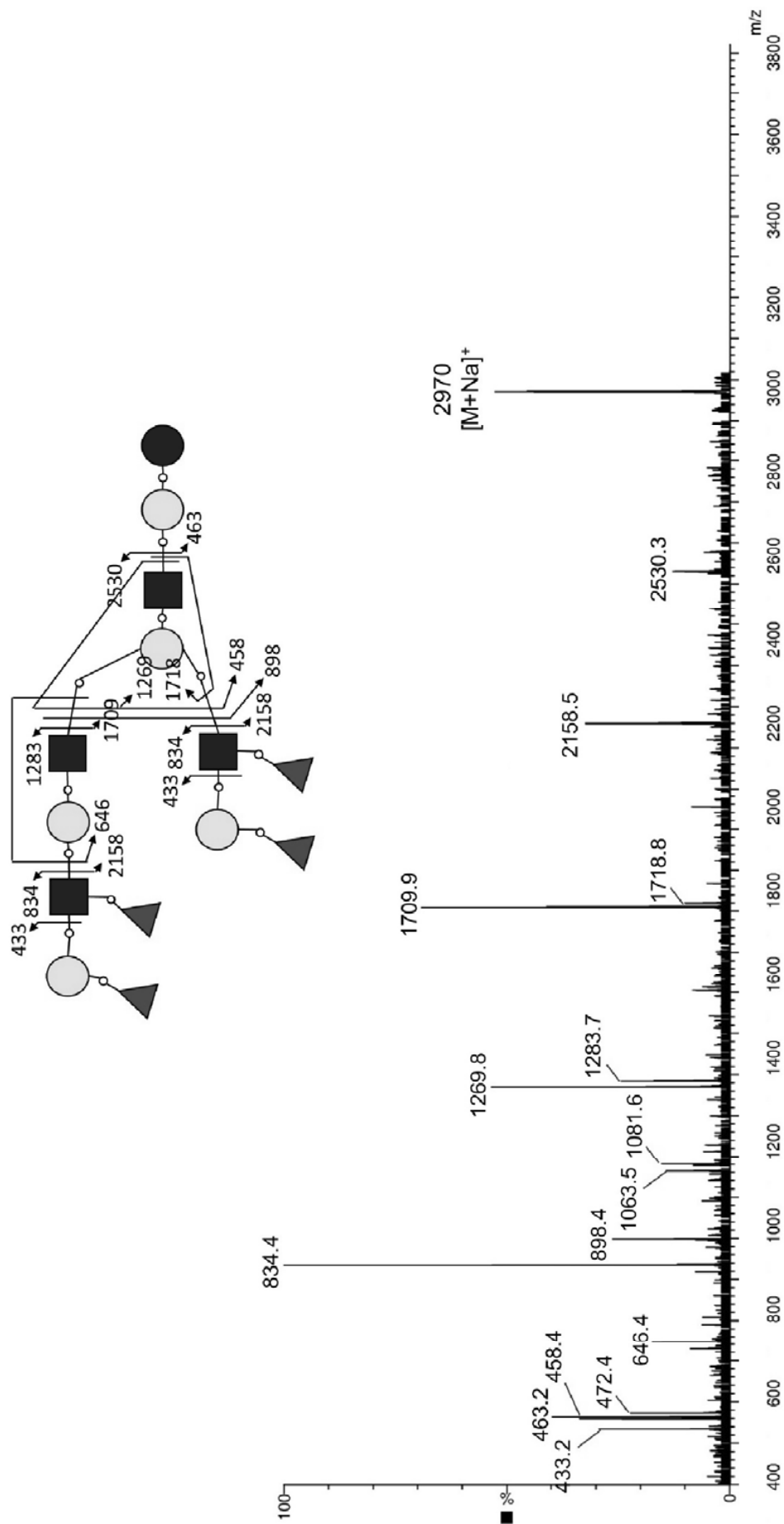


FIG. 7A

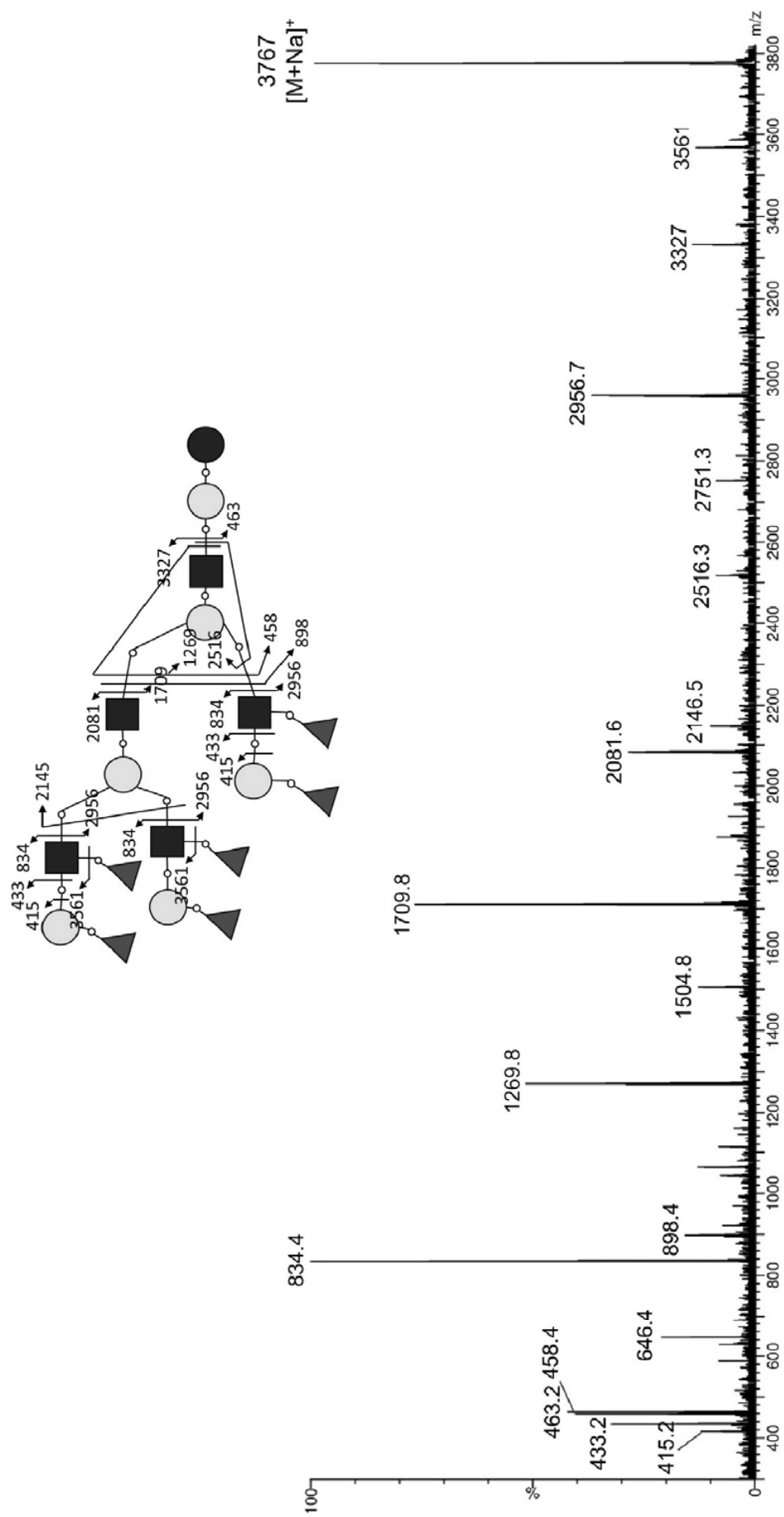


FIG. 7B

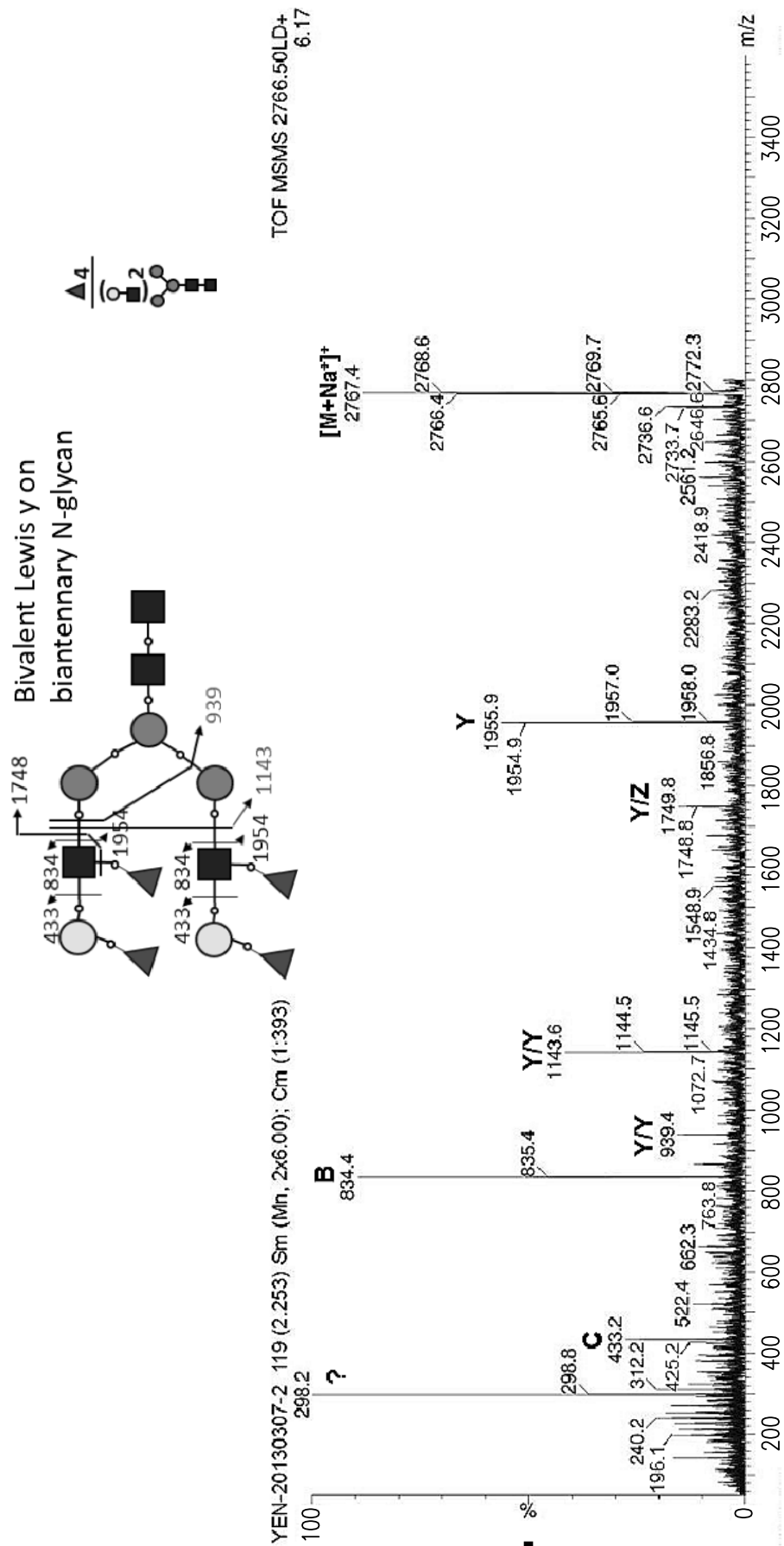


FIG. 8A

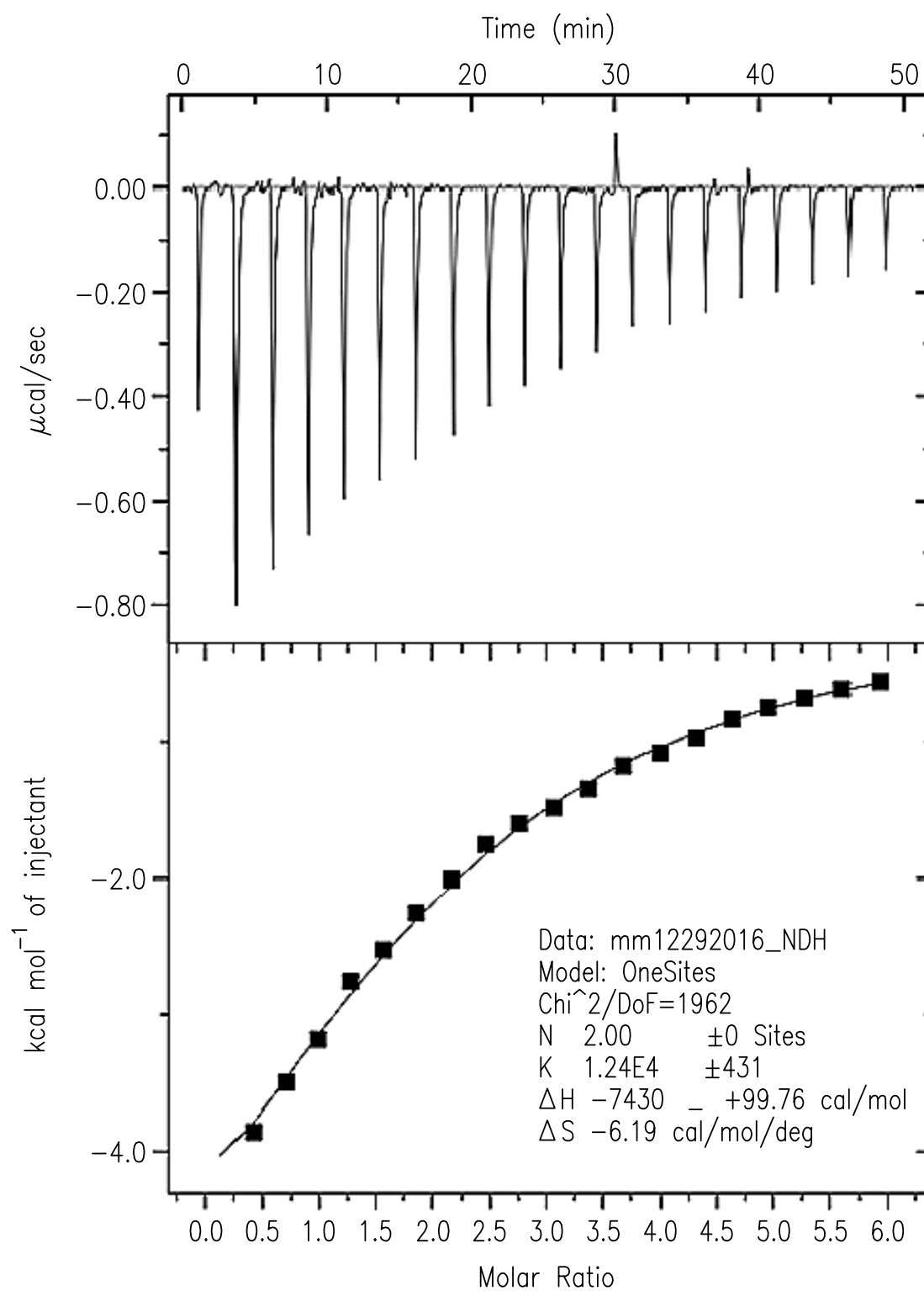


FIG. 9A

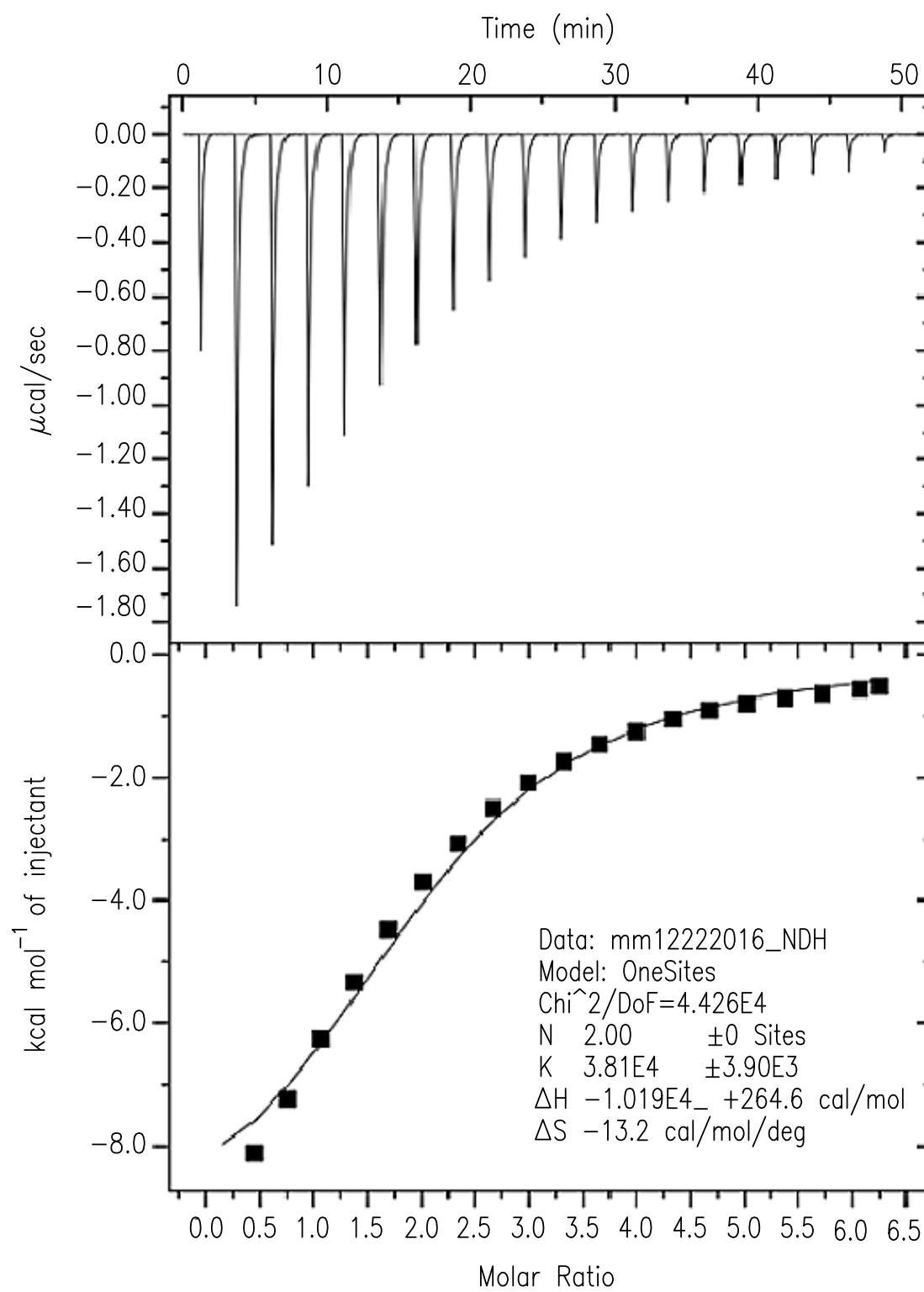


FIG. 9B

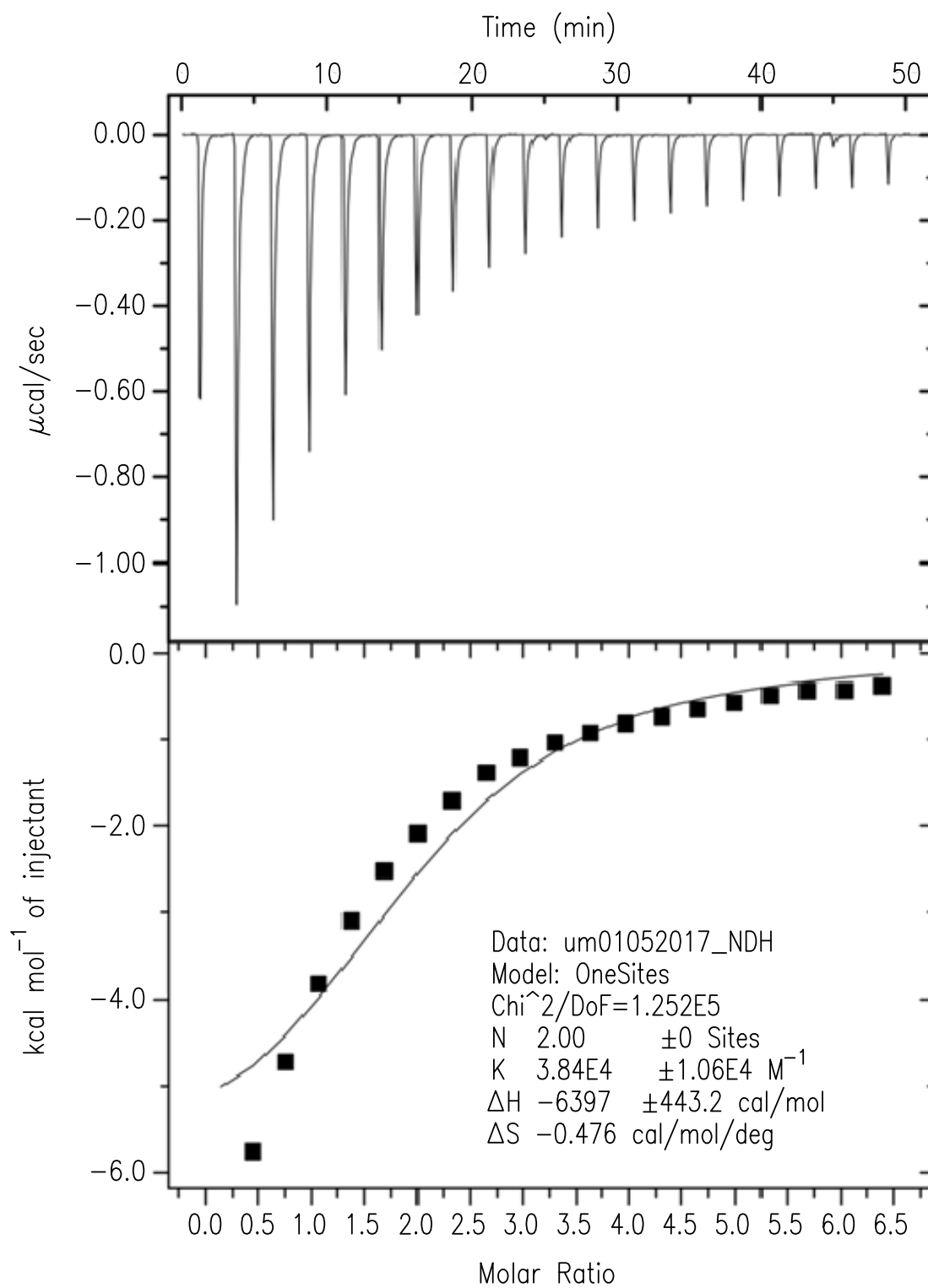


FIG. 10A

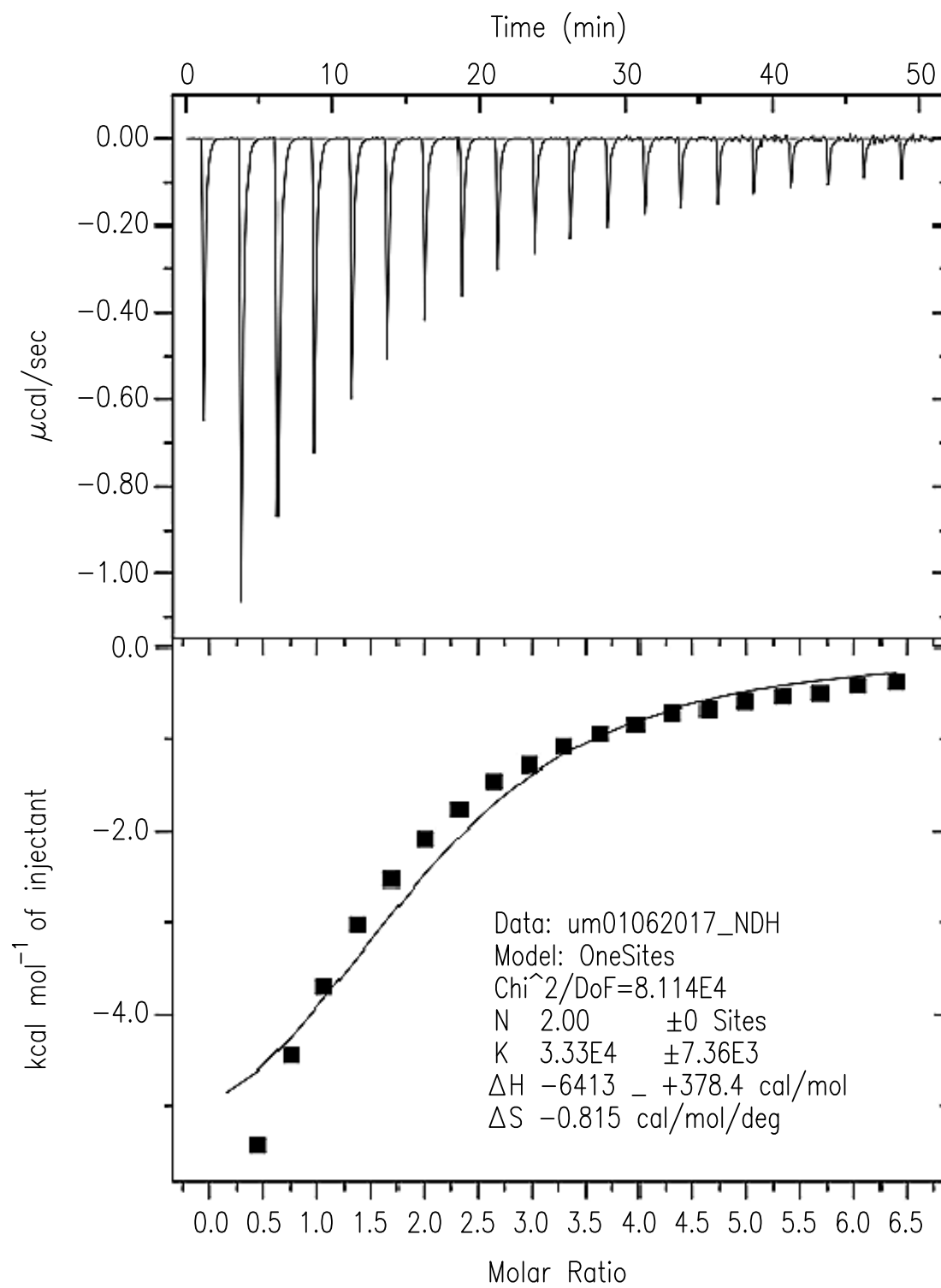


FIG. 10B

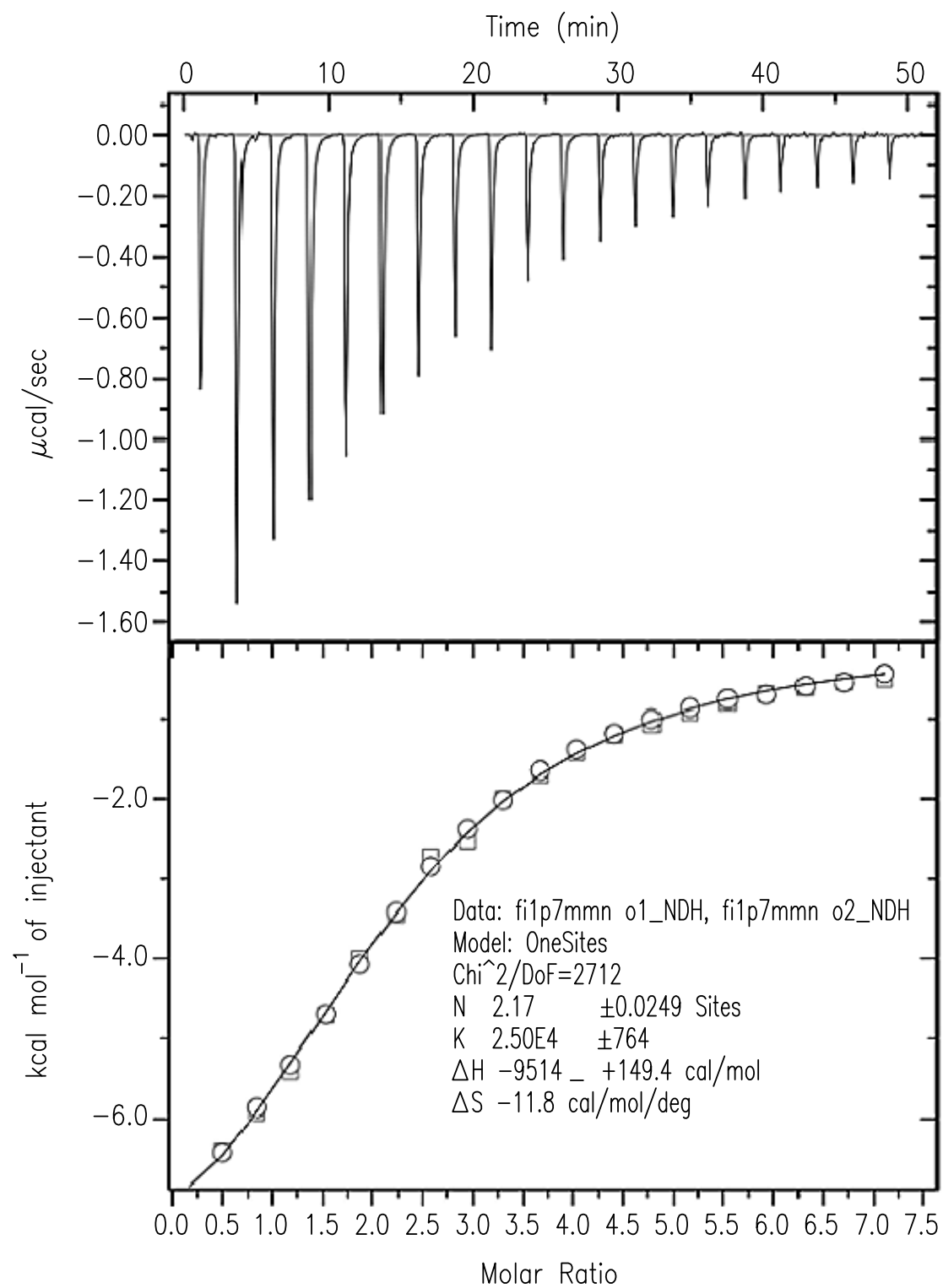


FIG. 10C

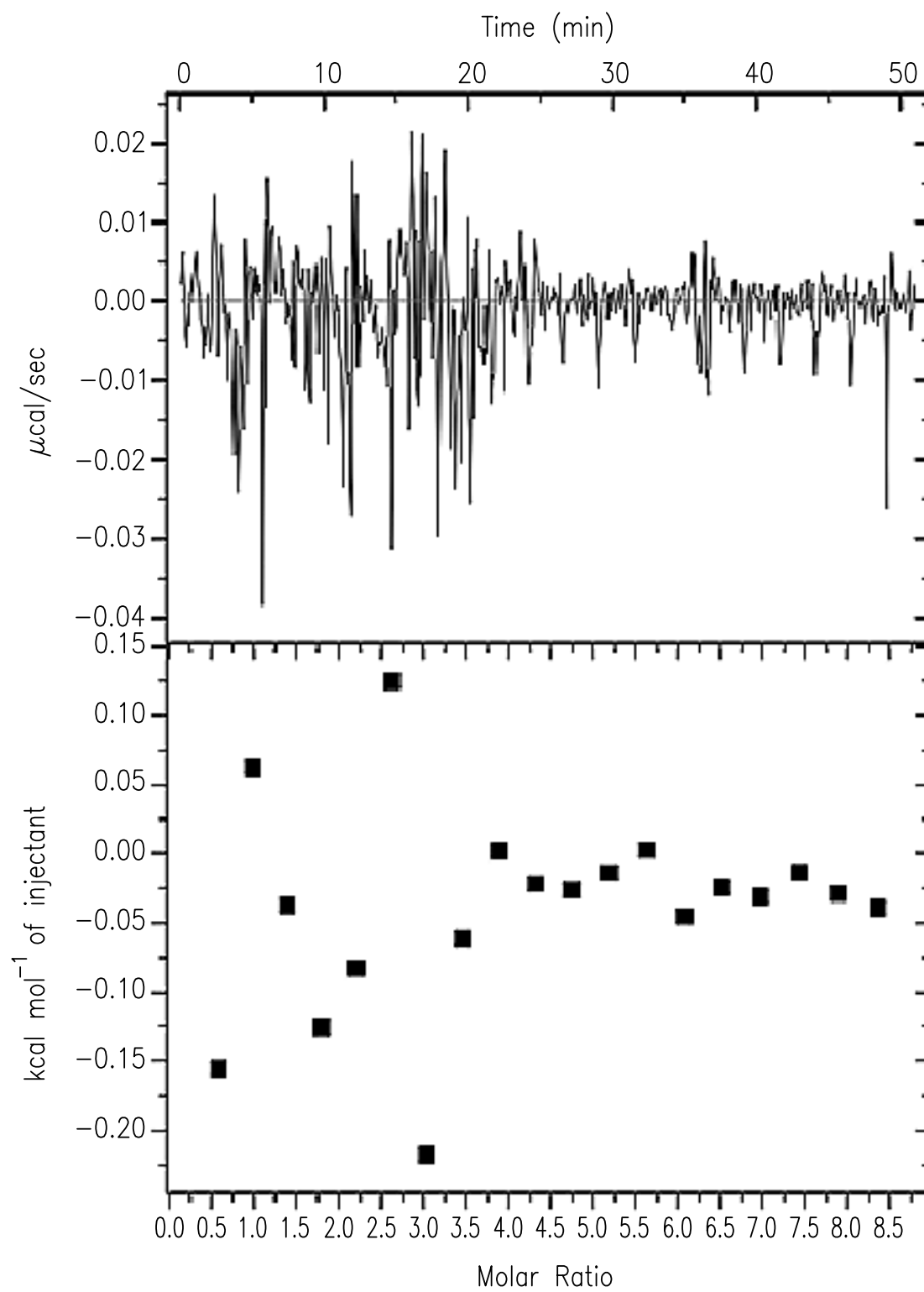


FIG. 11A

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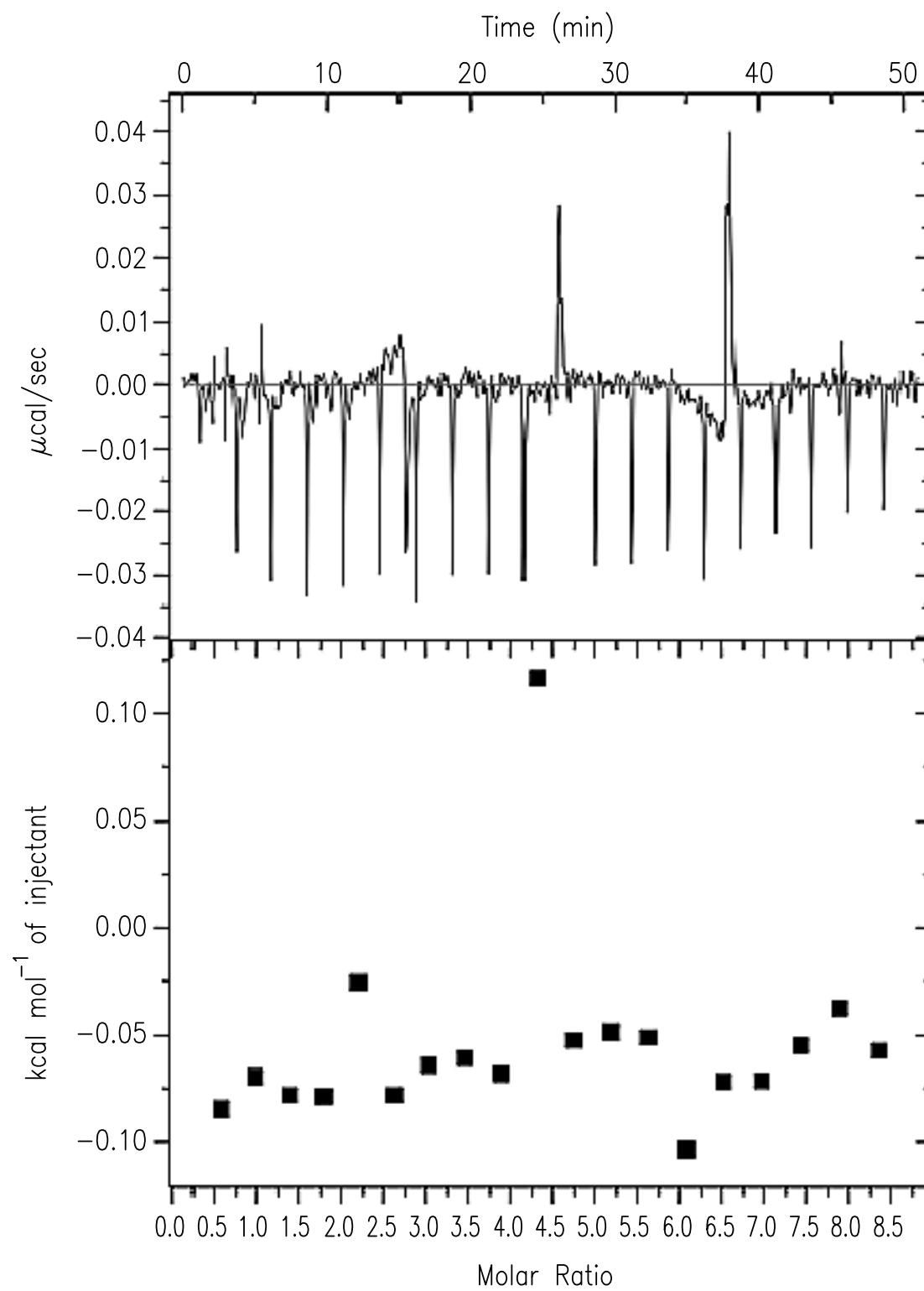


FIG. 11B

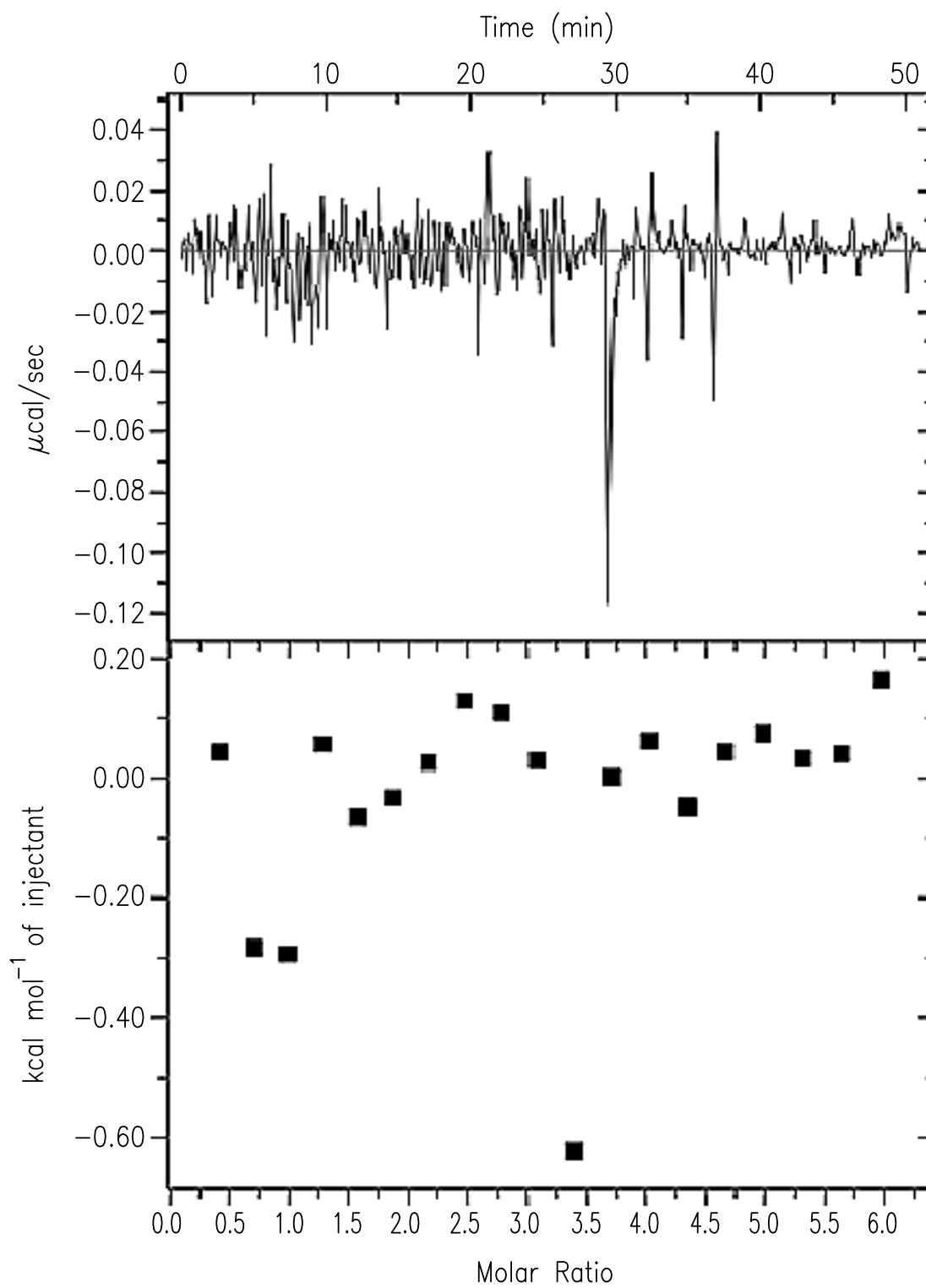


FIG. 11C

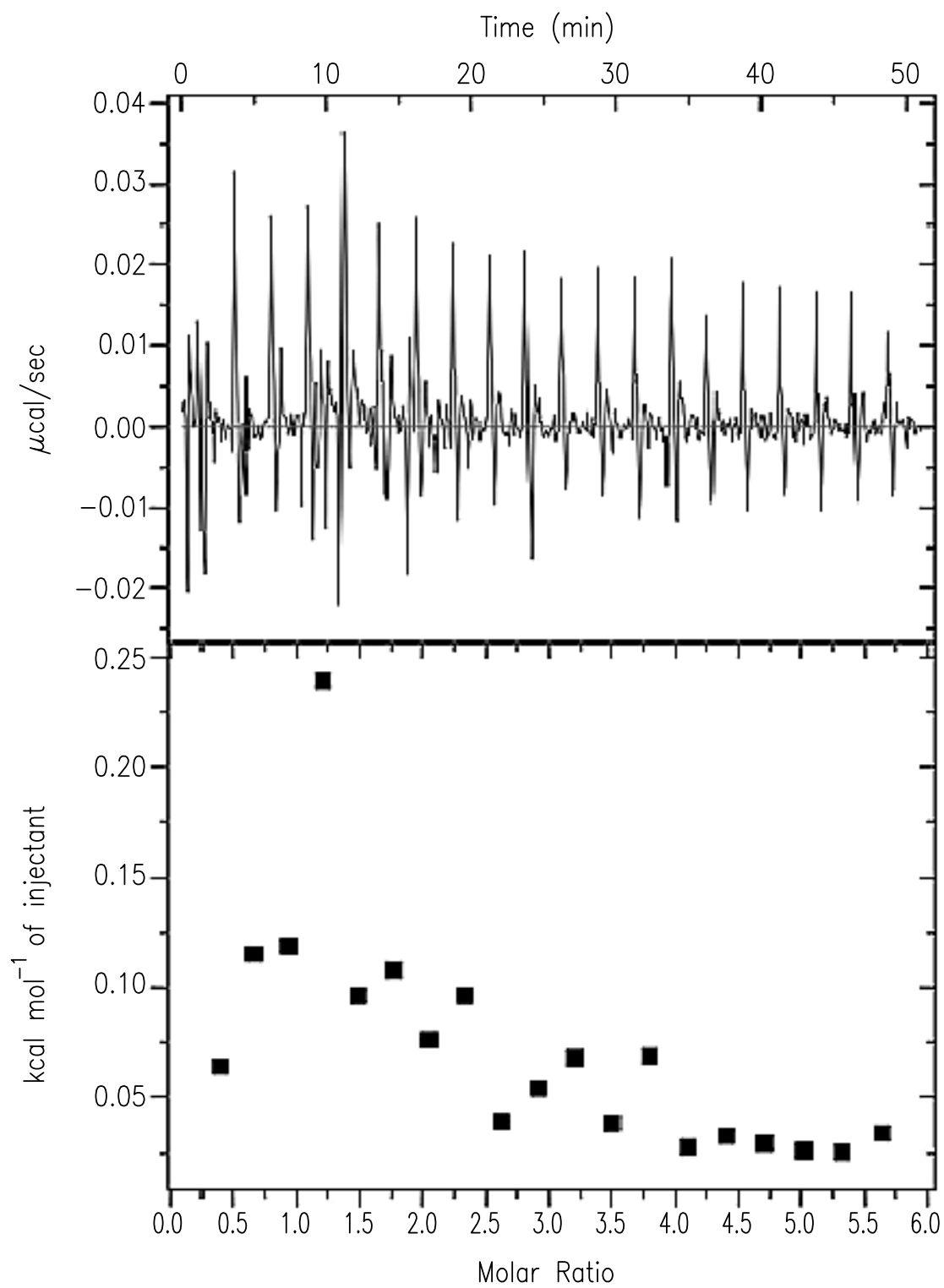


FIG. 11D

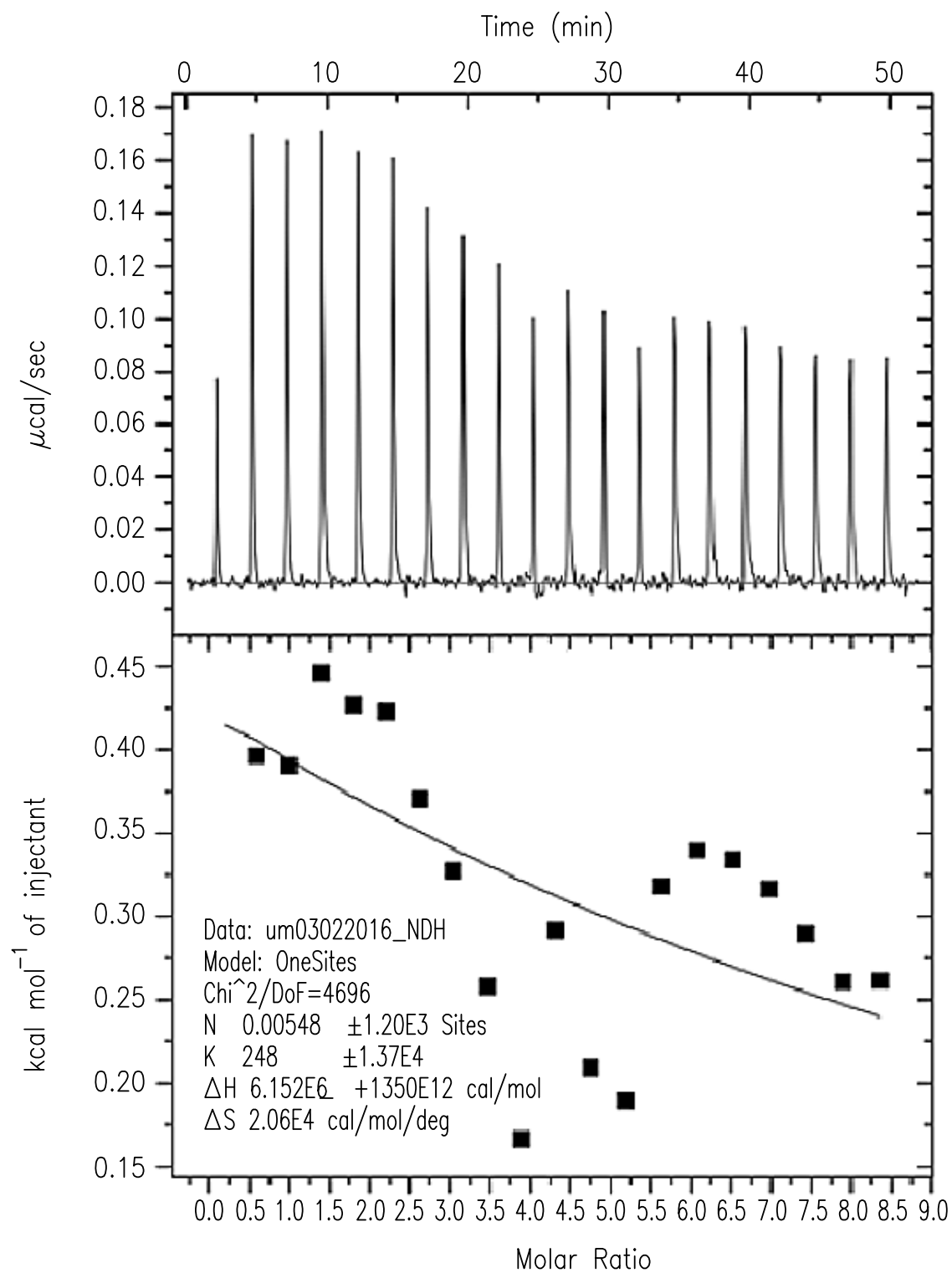


FIG. 11E

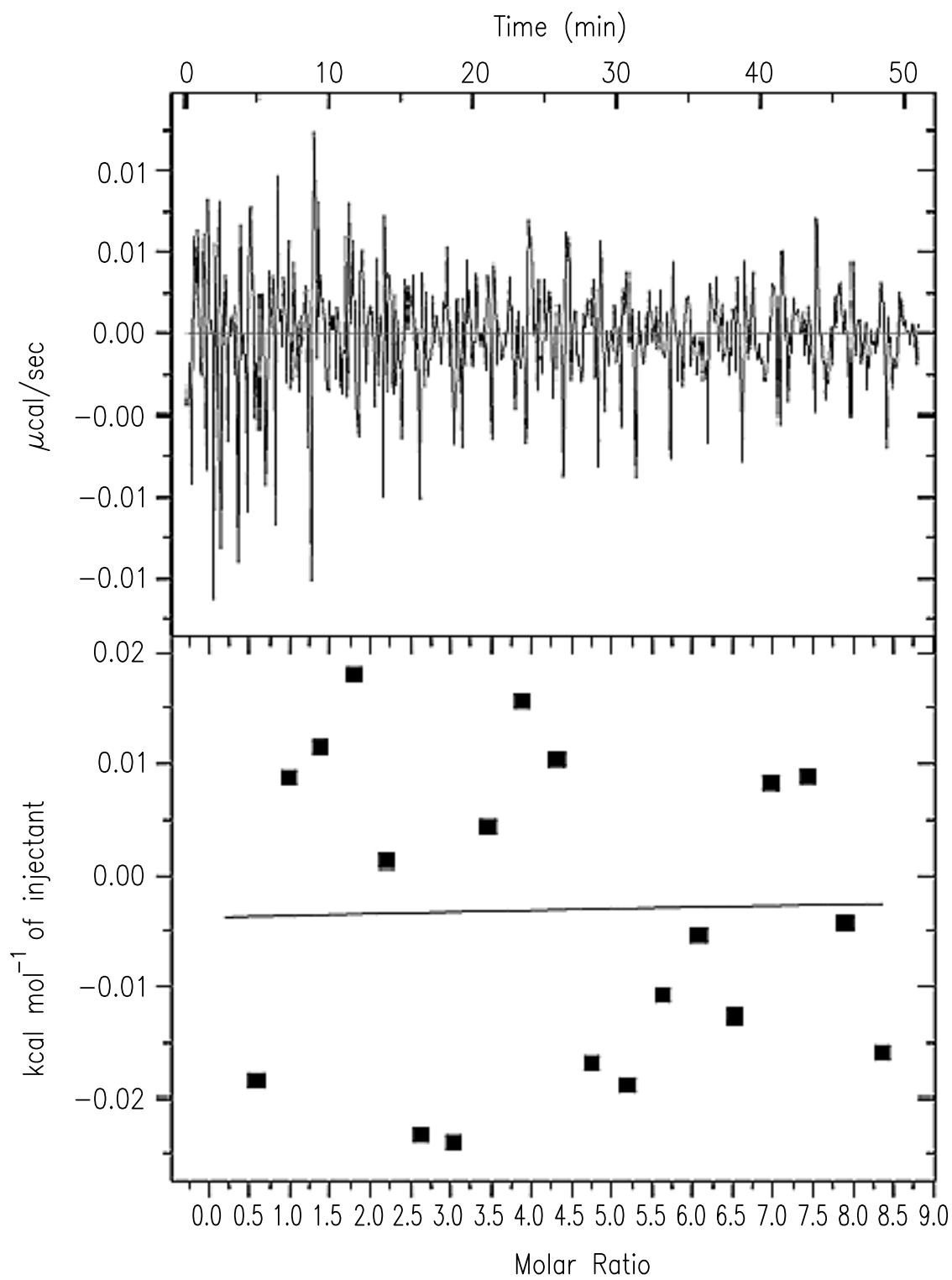


FIG. 11F

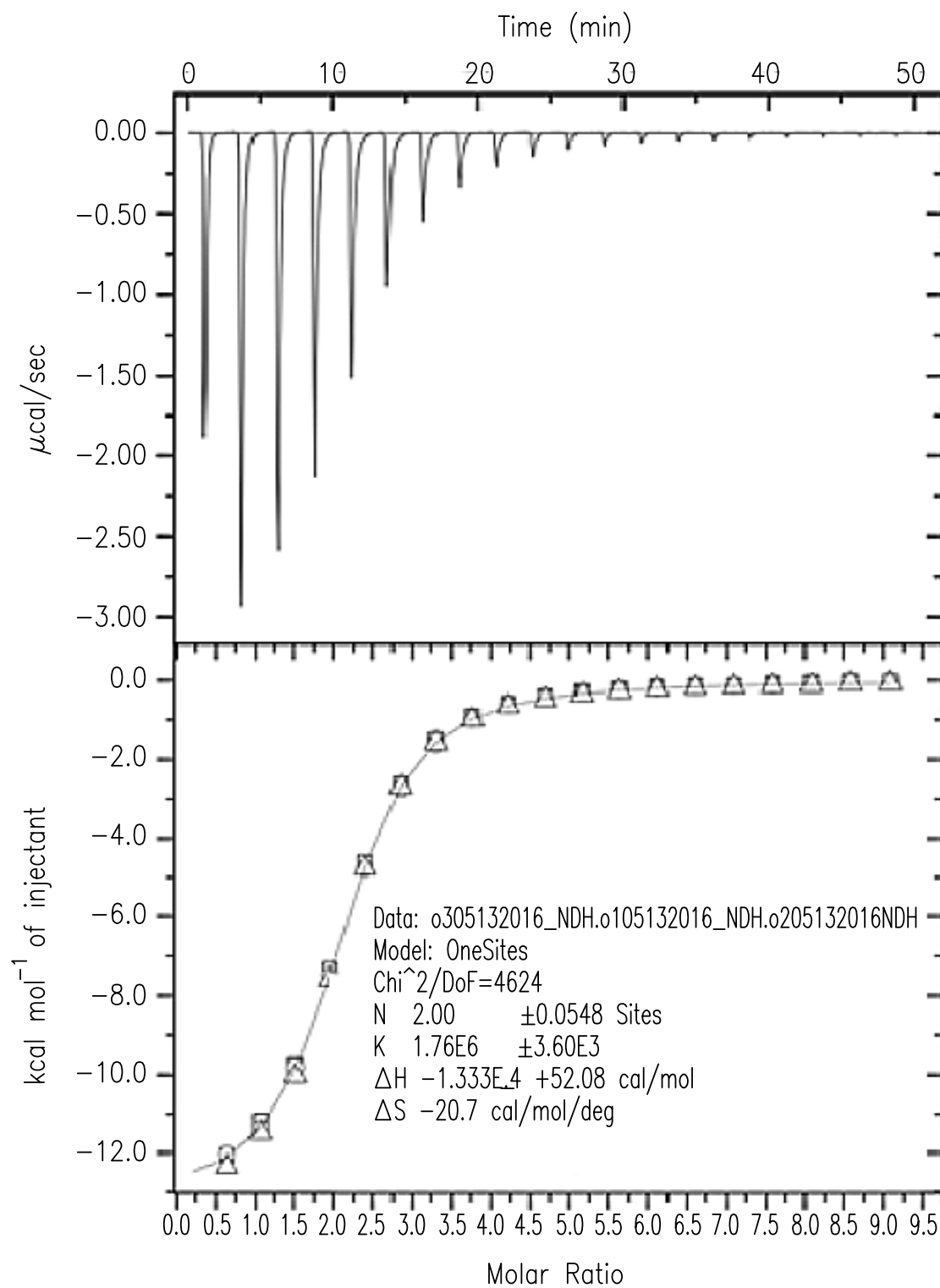


FIG. 12A

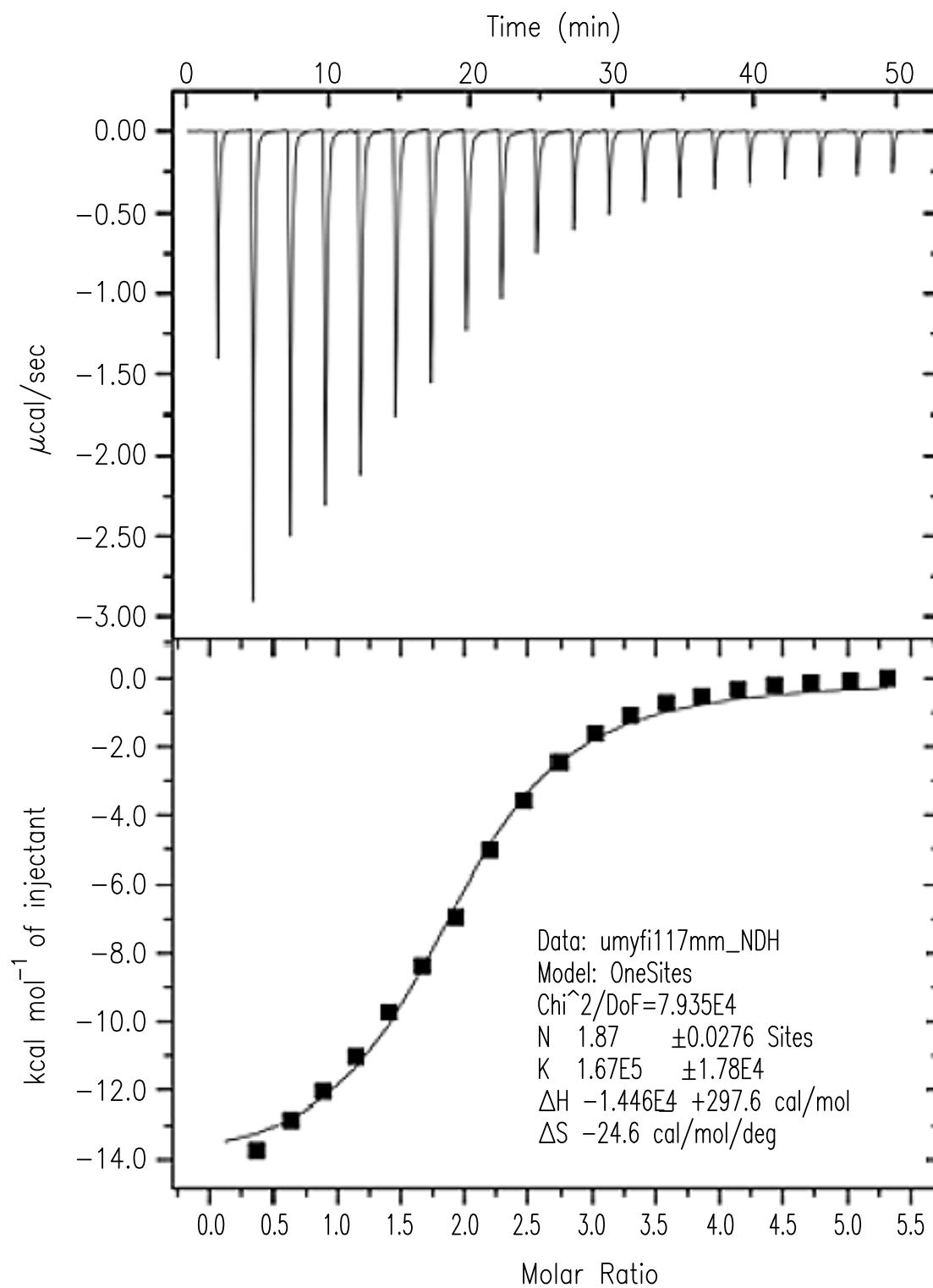


FIG. 12B

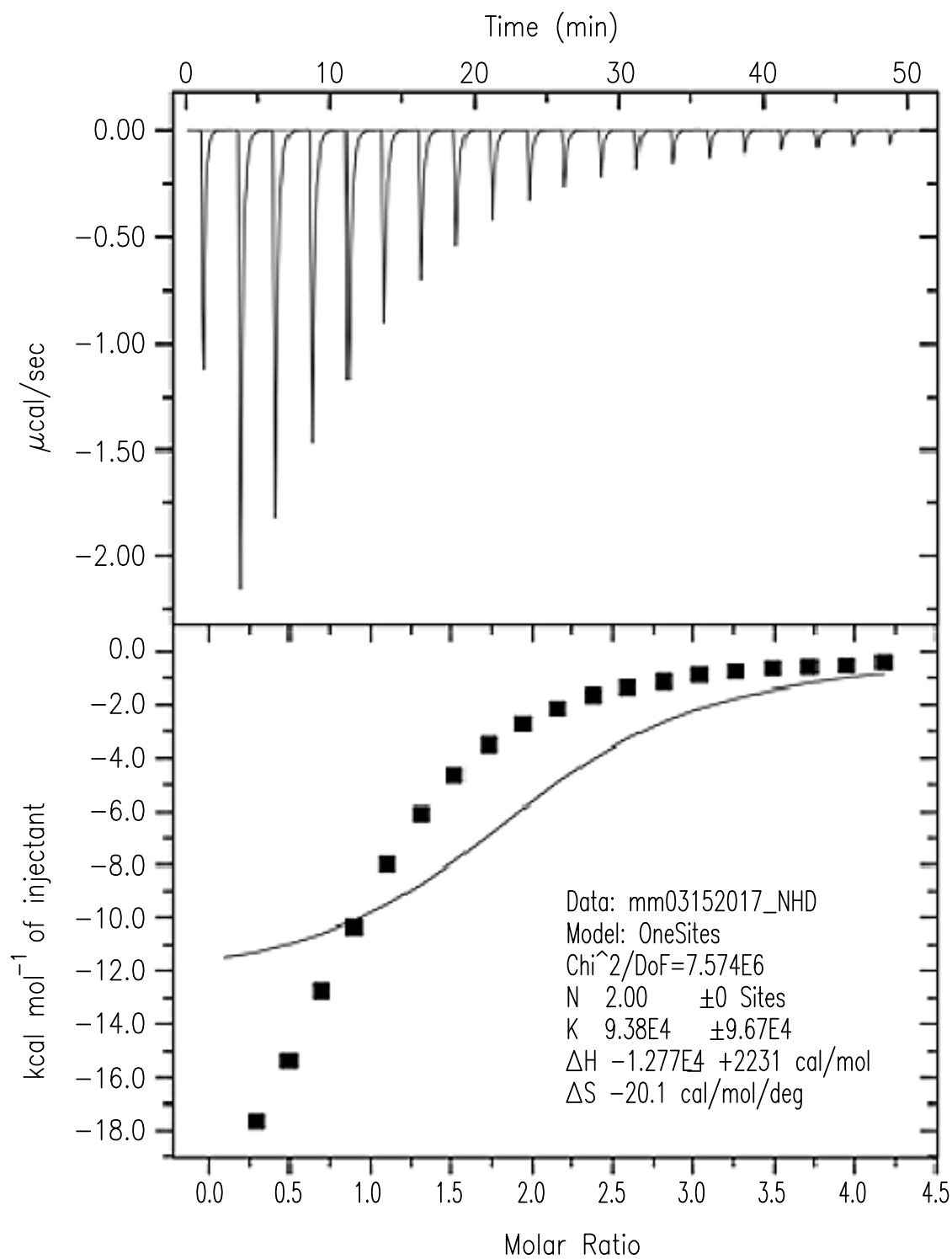


FIG. 12C

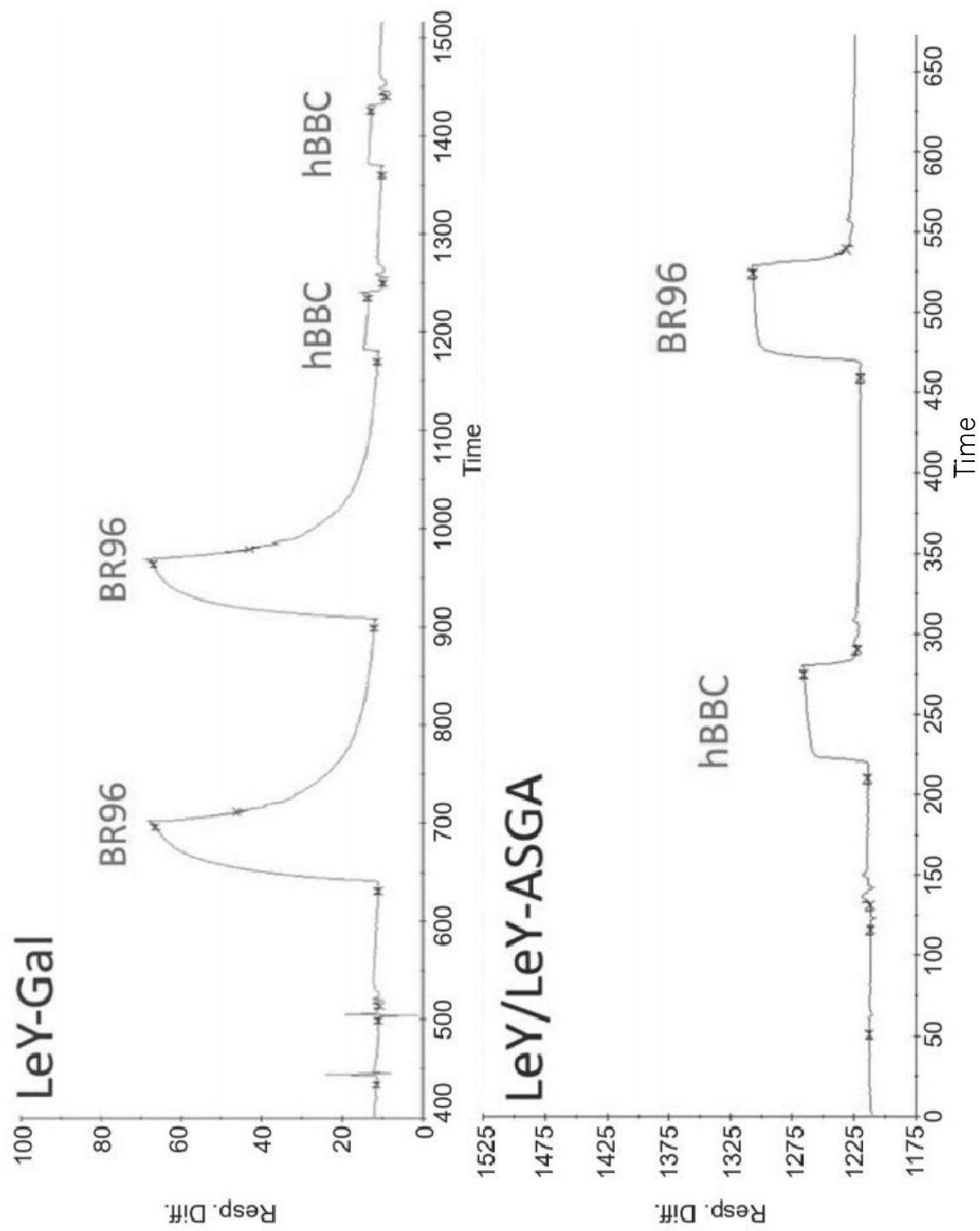


FIG. 13A

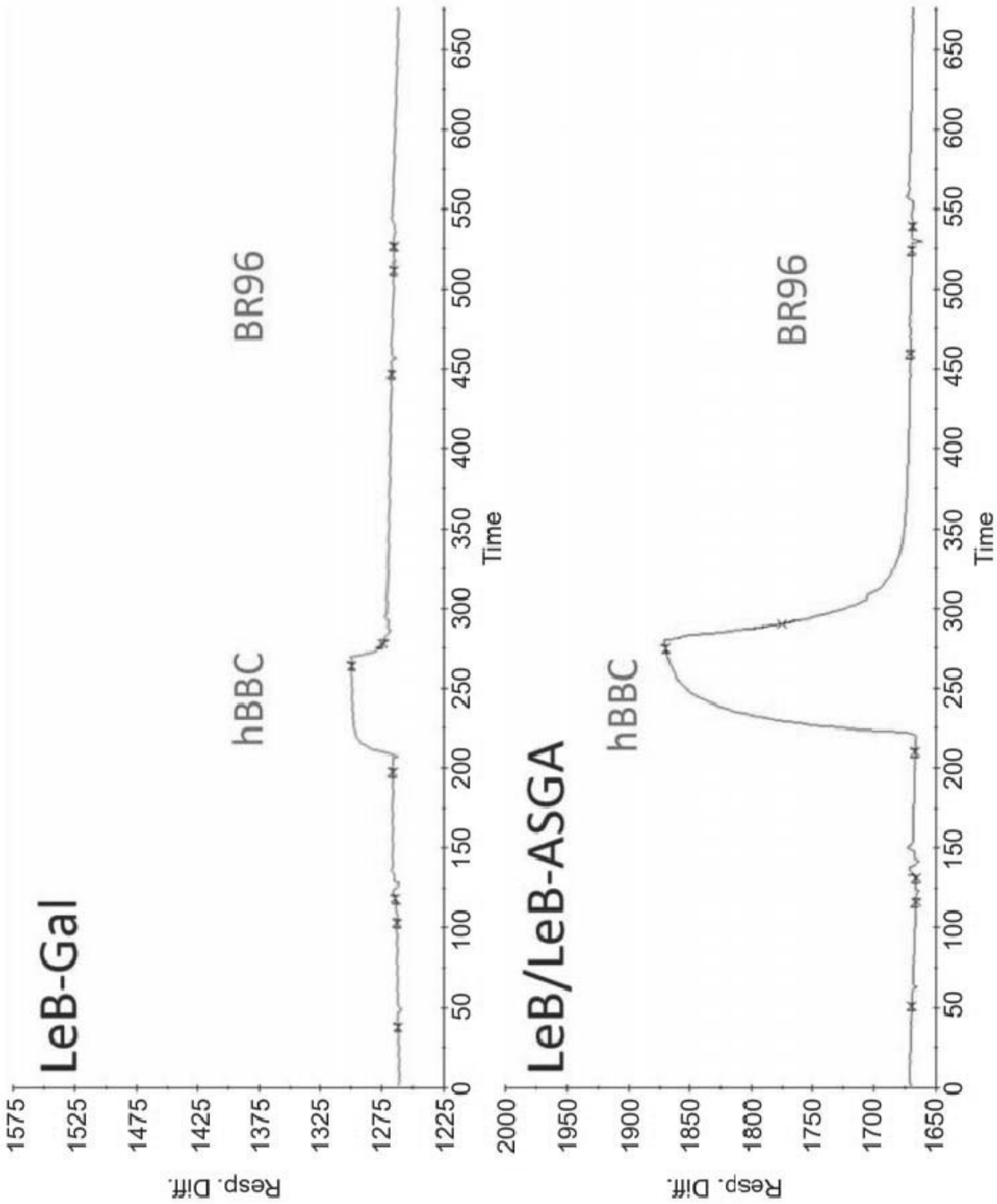


FIG. 13B

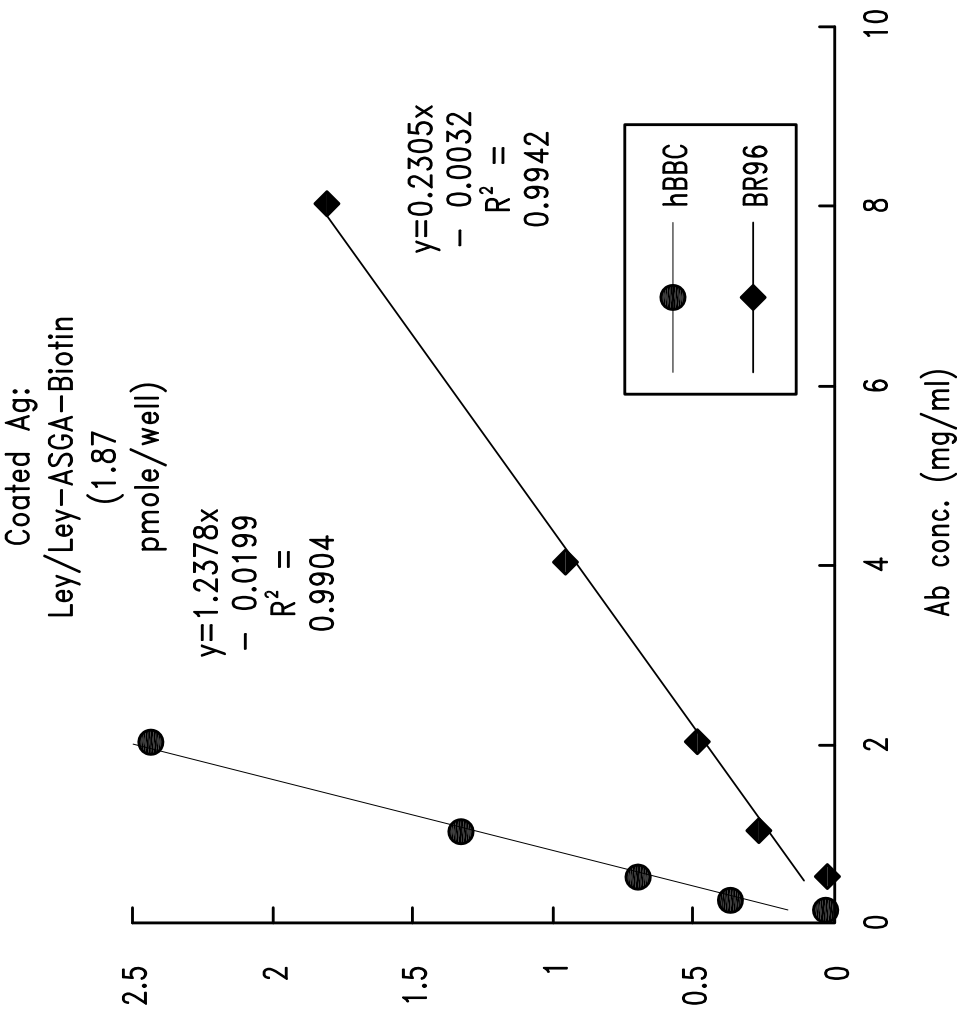


FIG. 14A

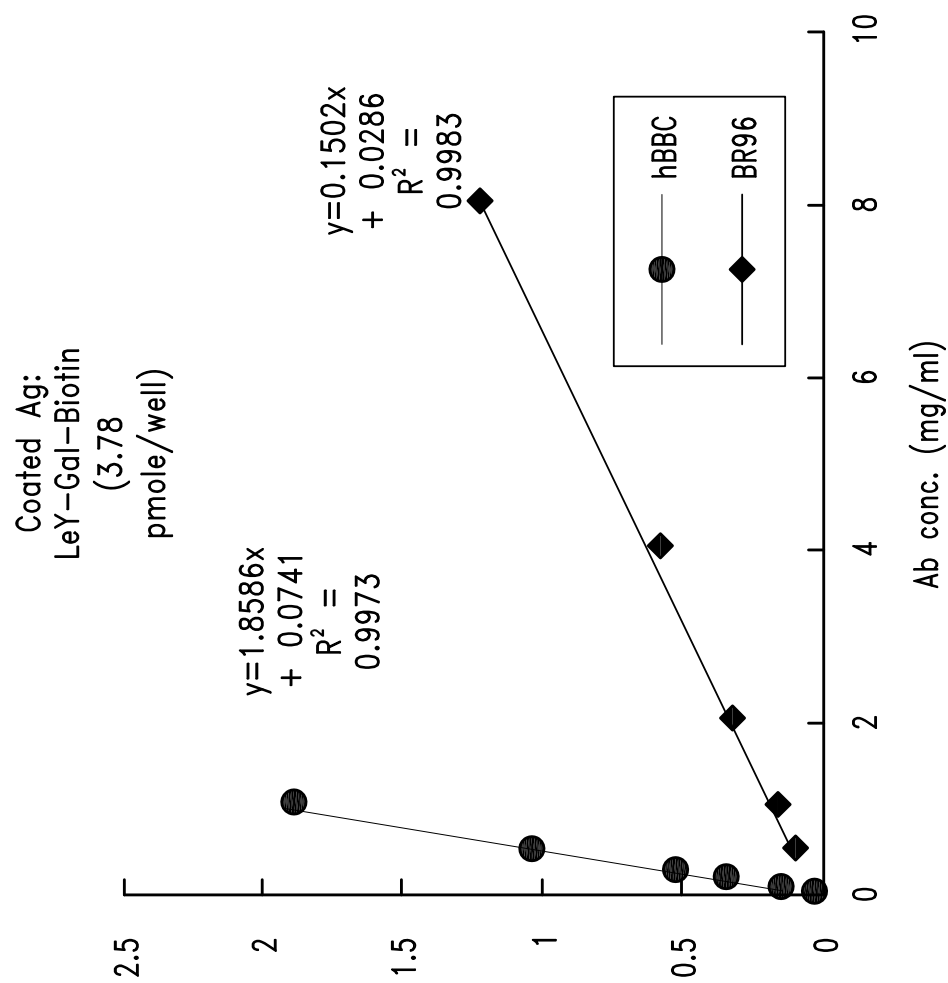


FIG. 14B

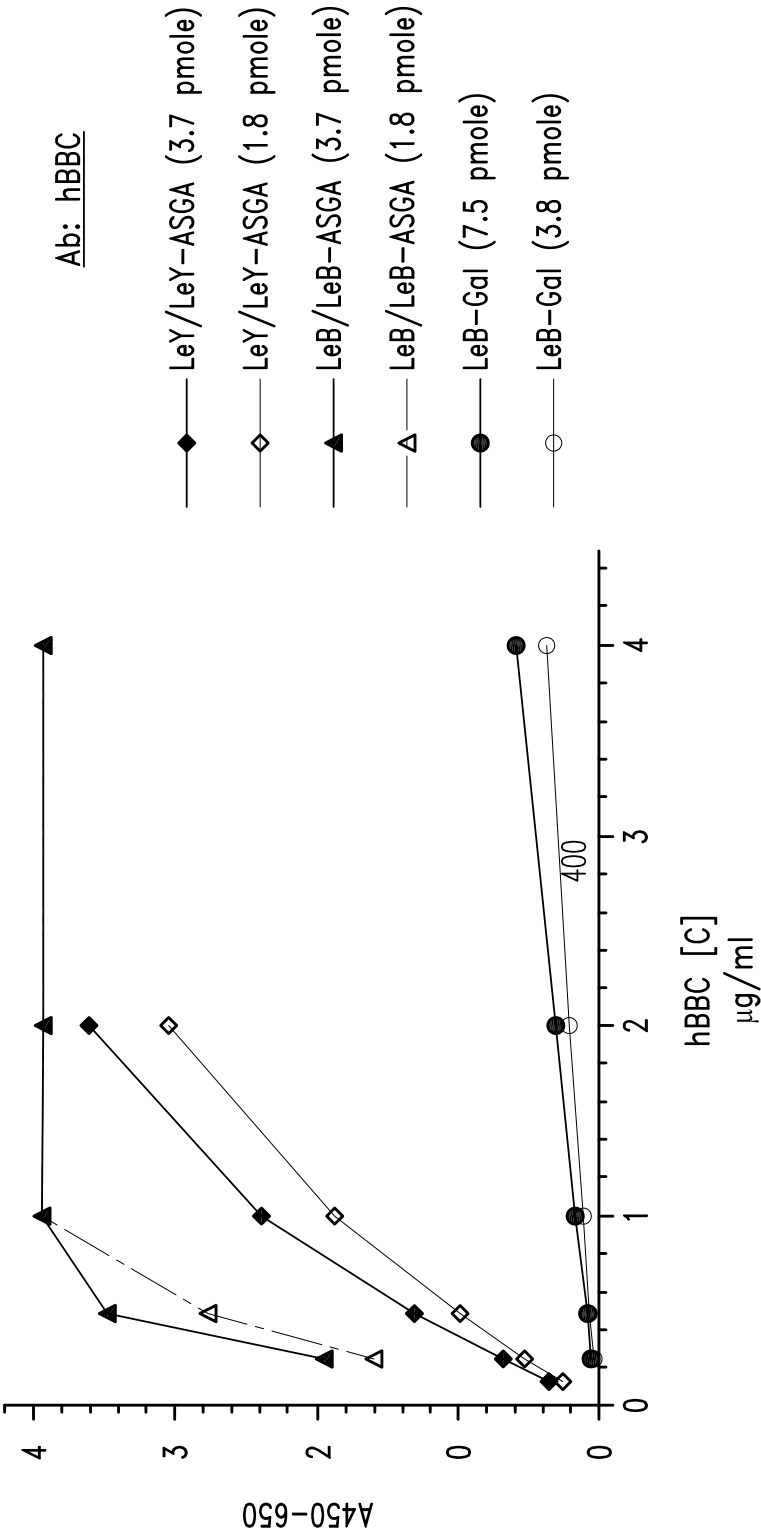


FIG. 15

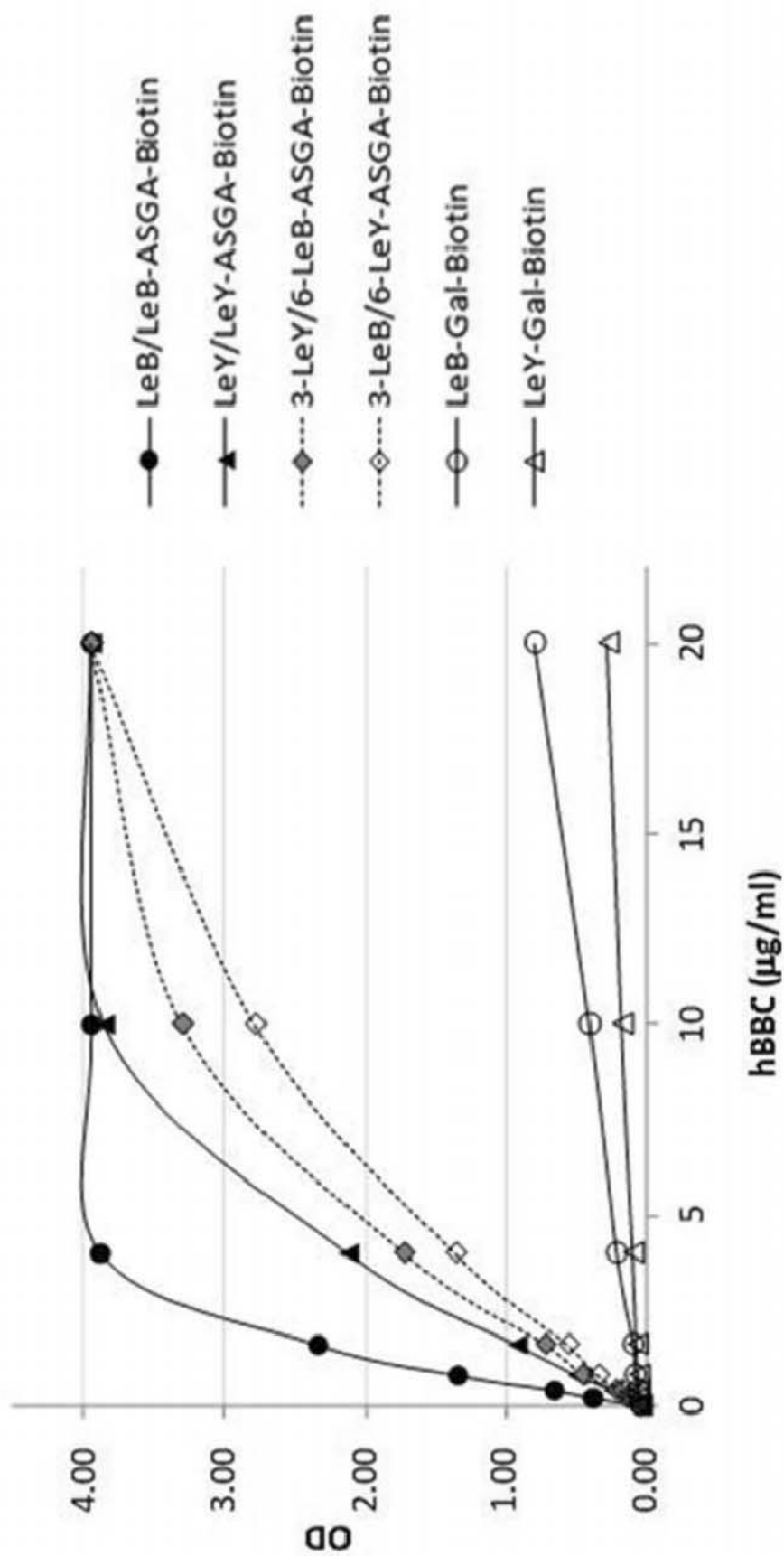


FIG. 16A

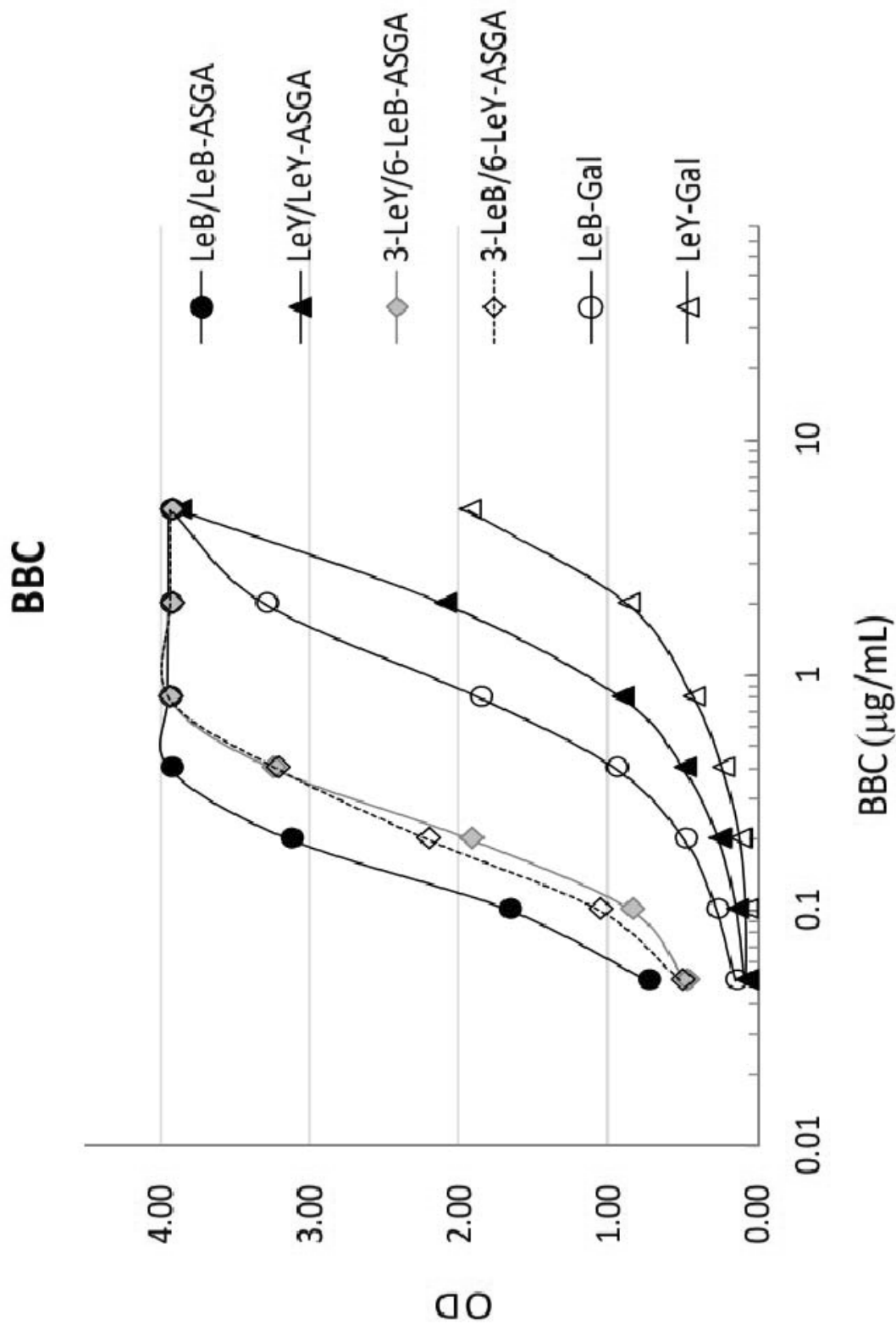


FIG. 16B

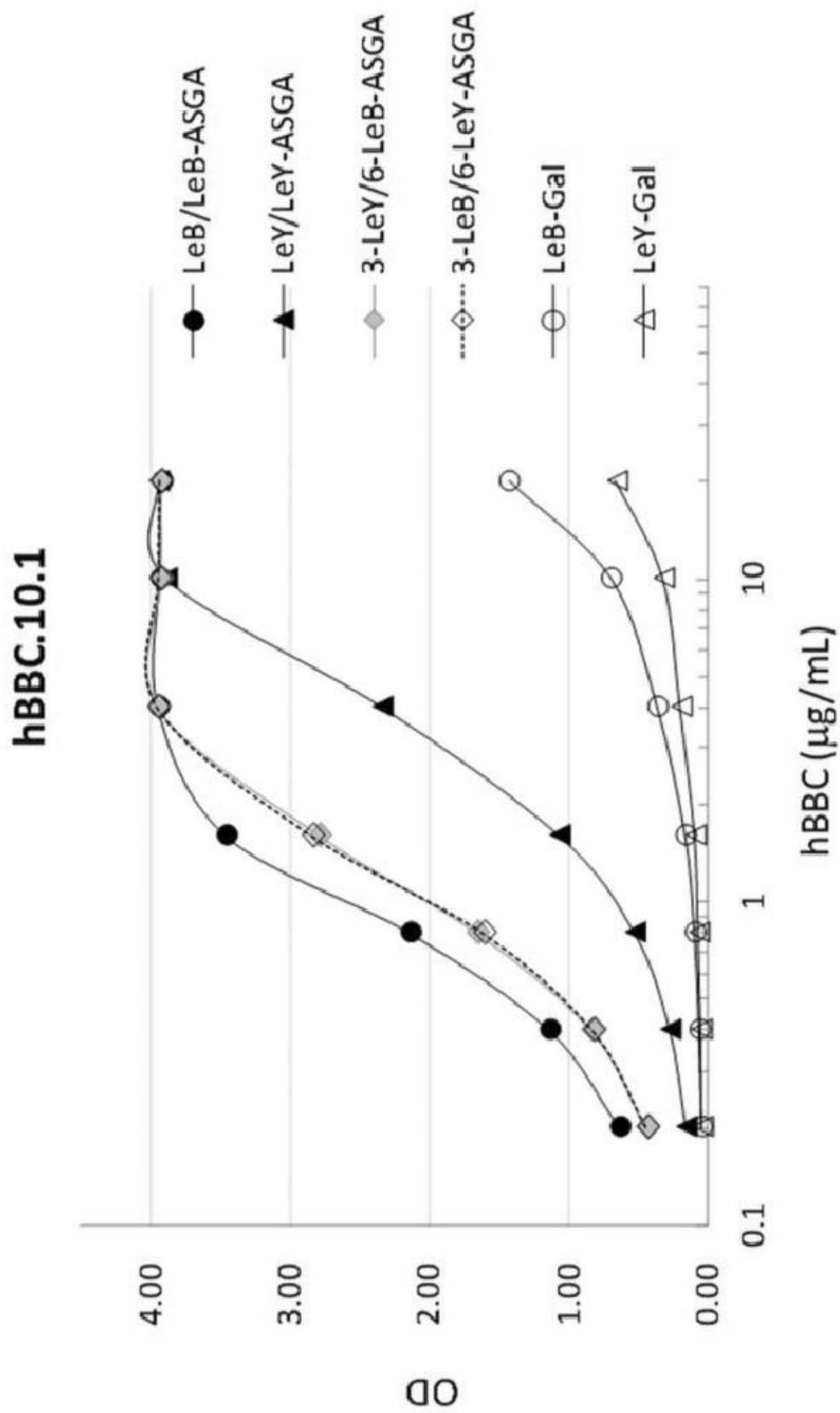


FIG. 16C

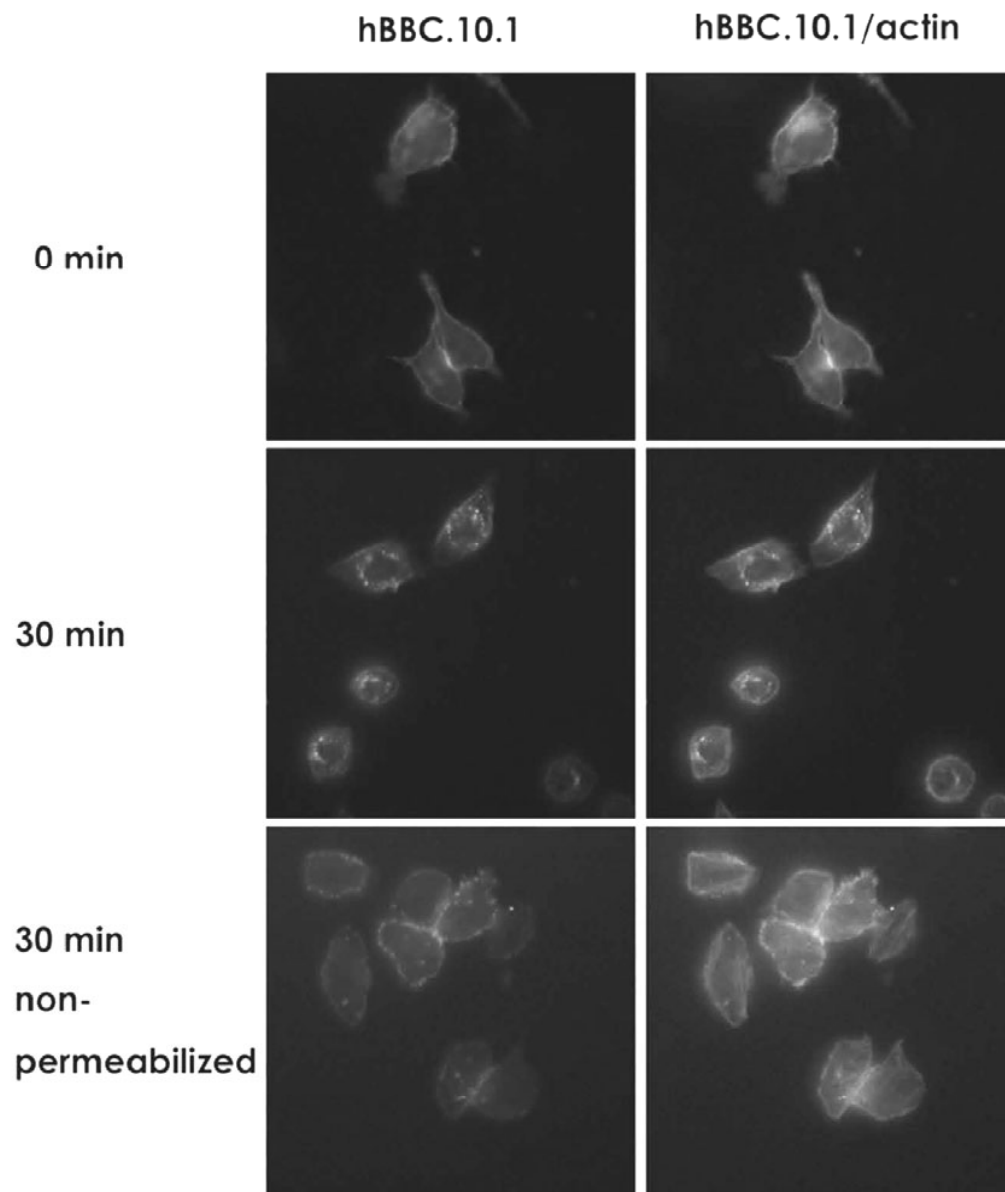


FIG. 17

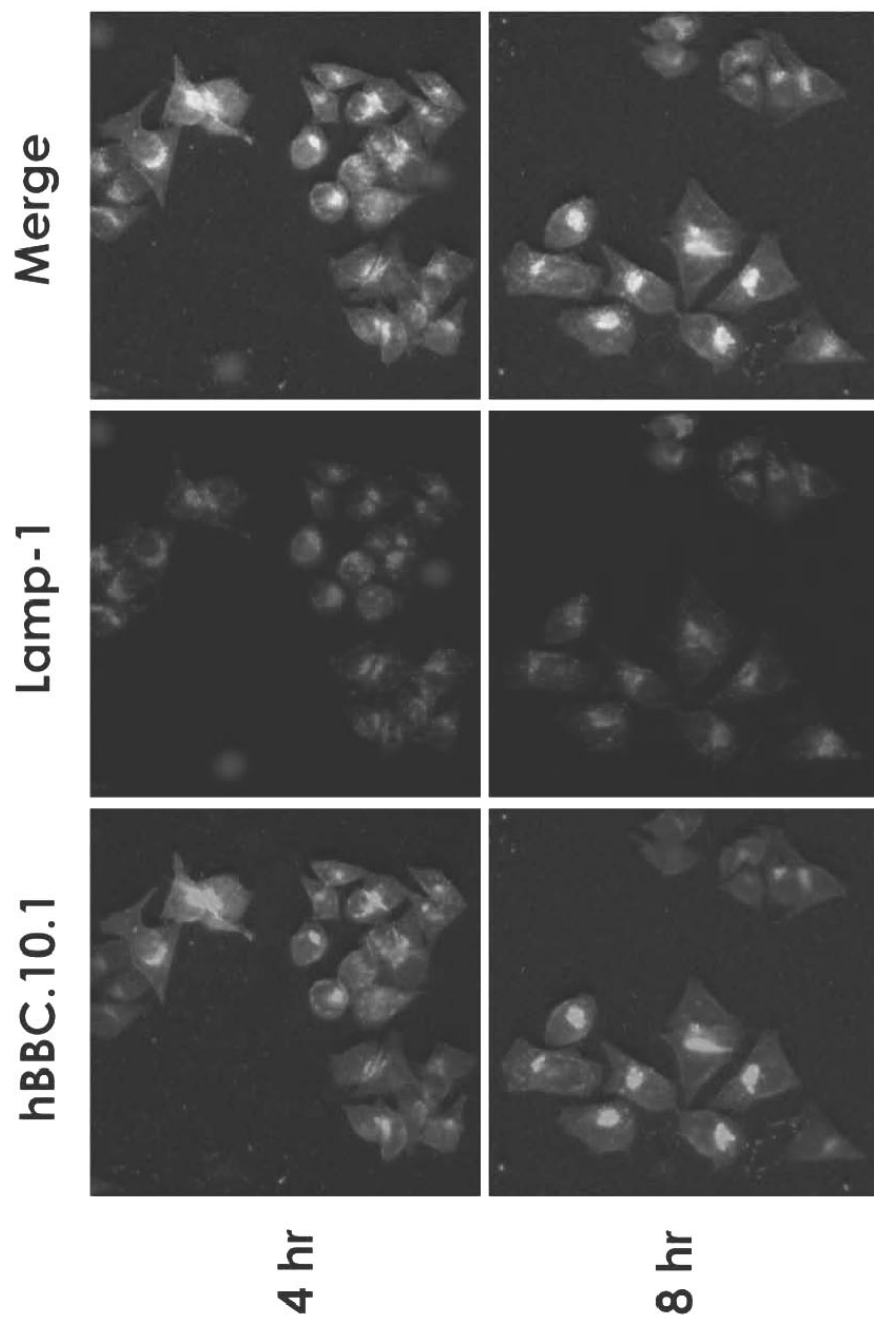


FIG. 18

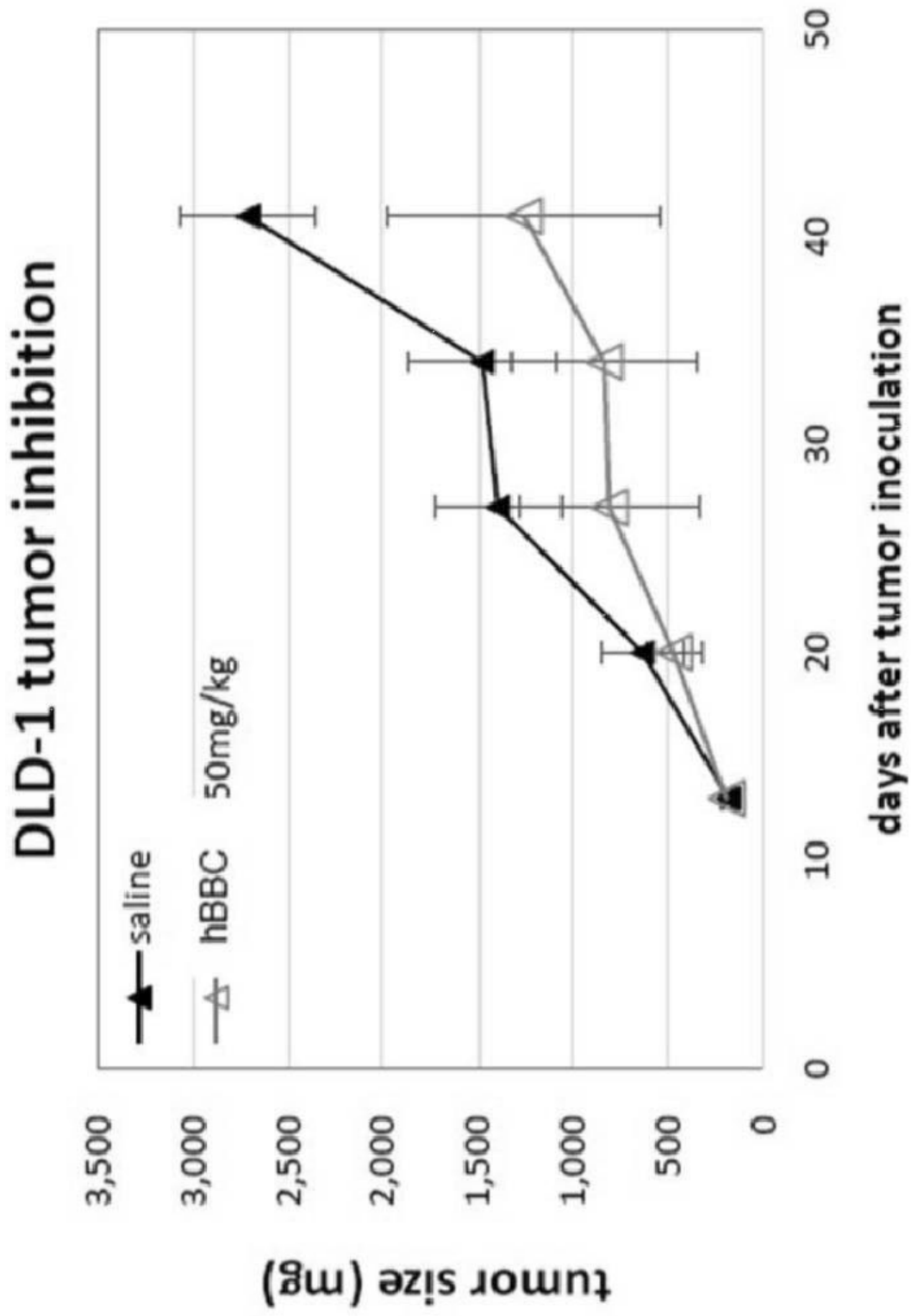


FIG. 19A

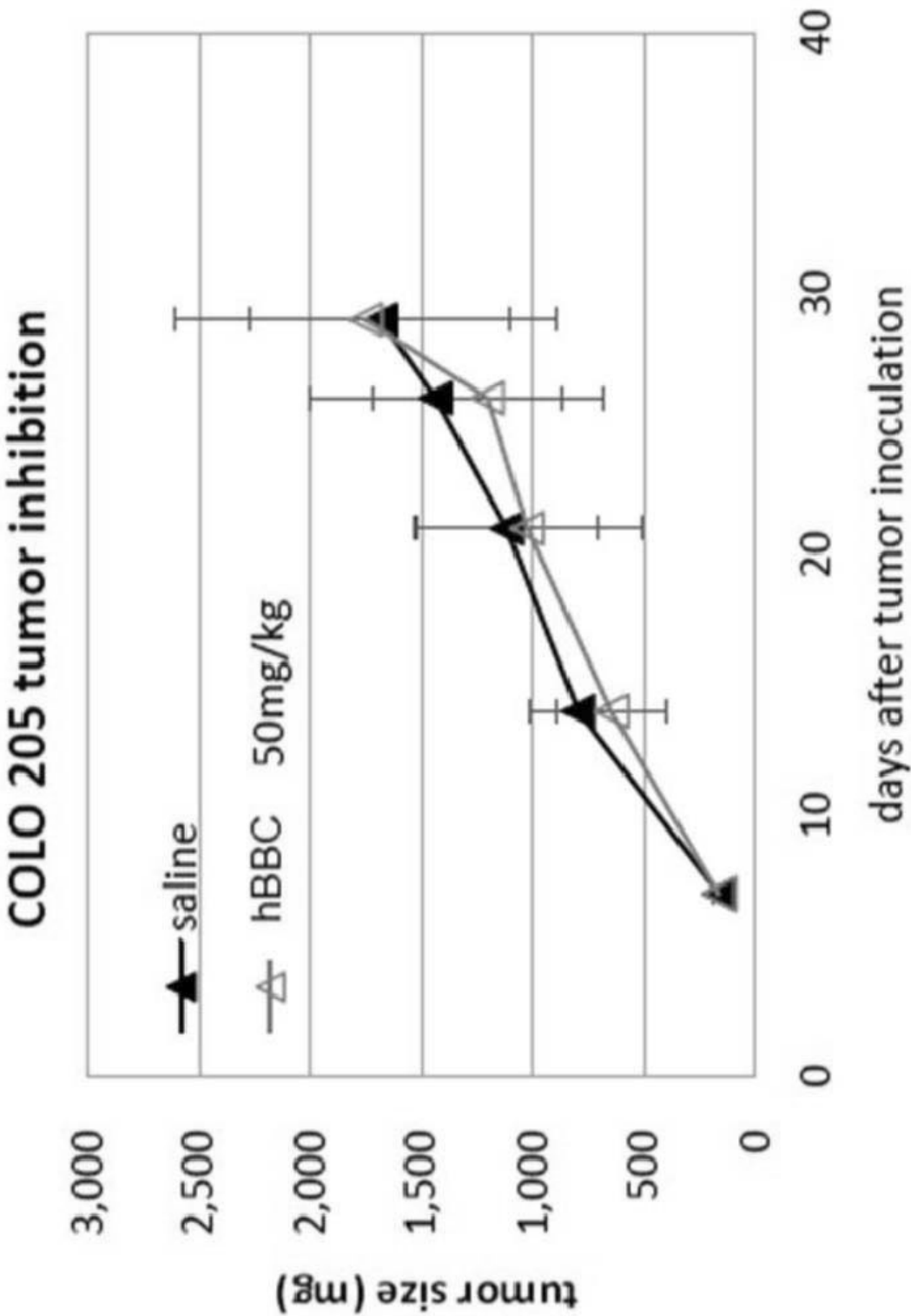


FIG. 19B

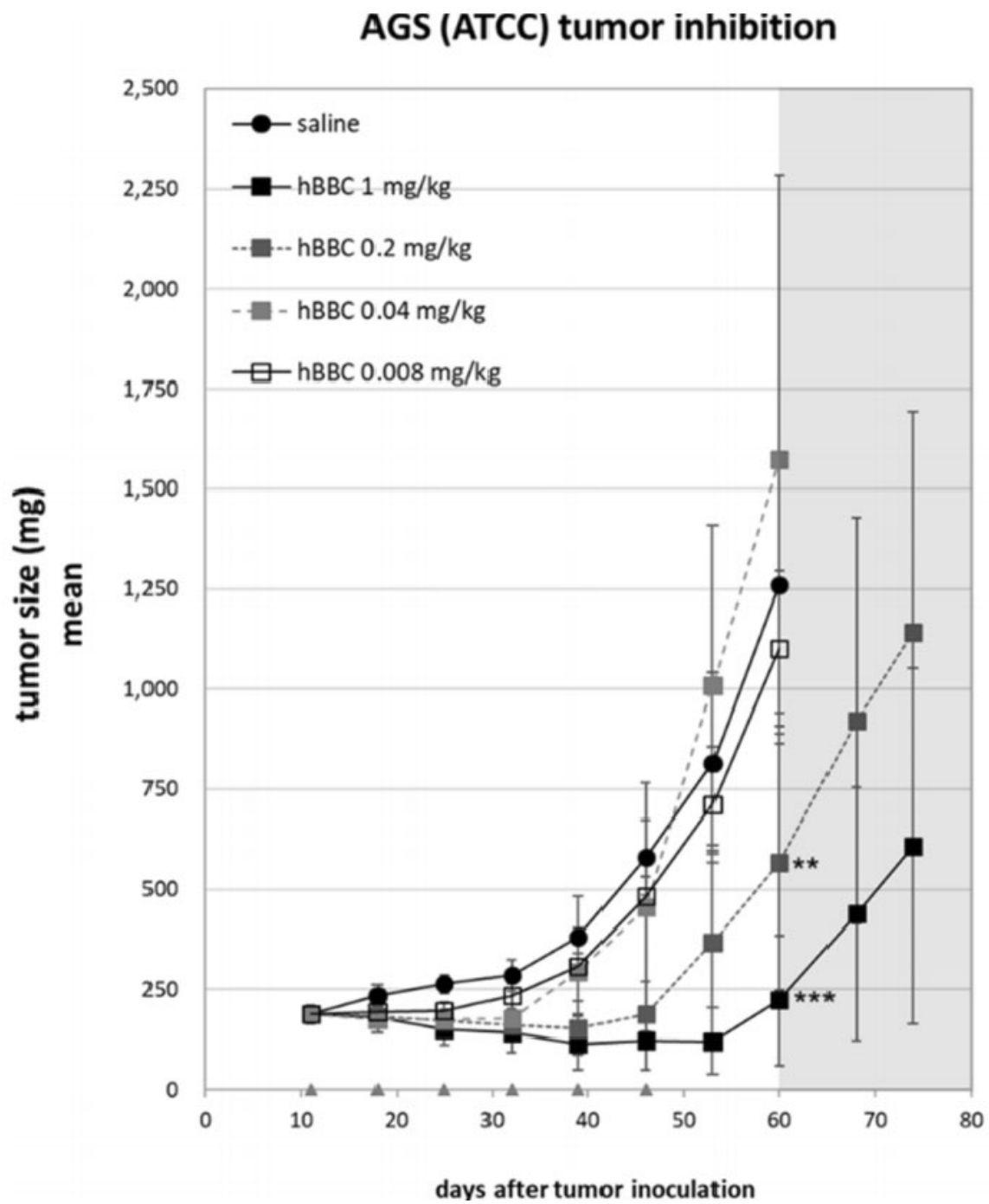


FIG. 20A

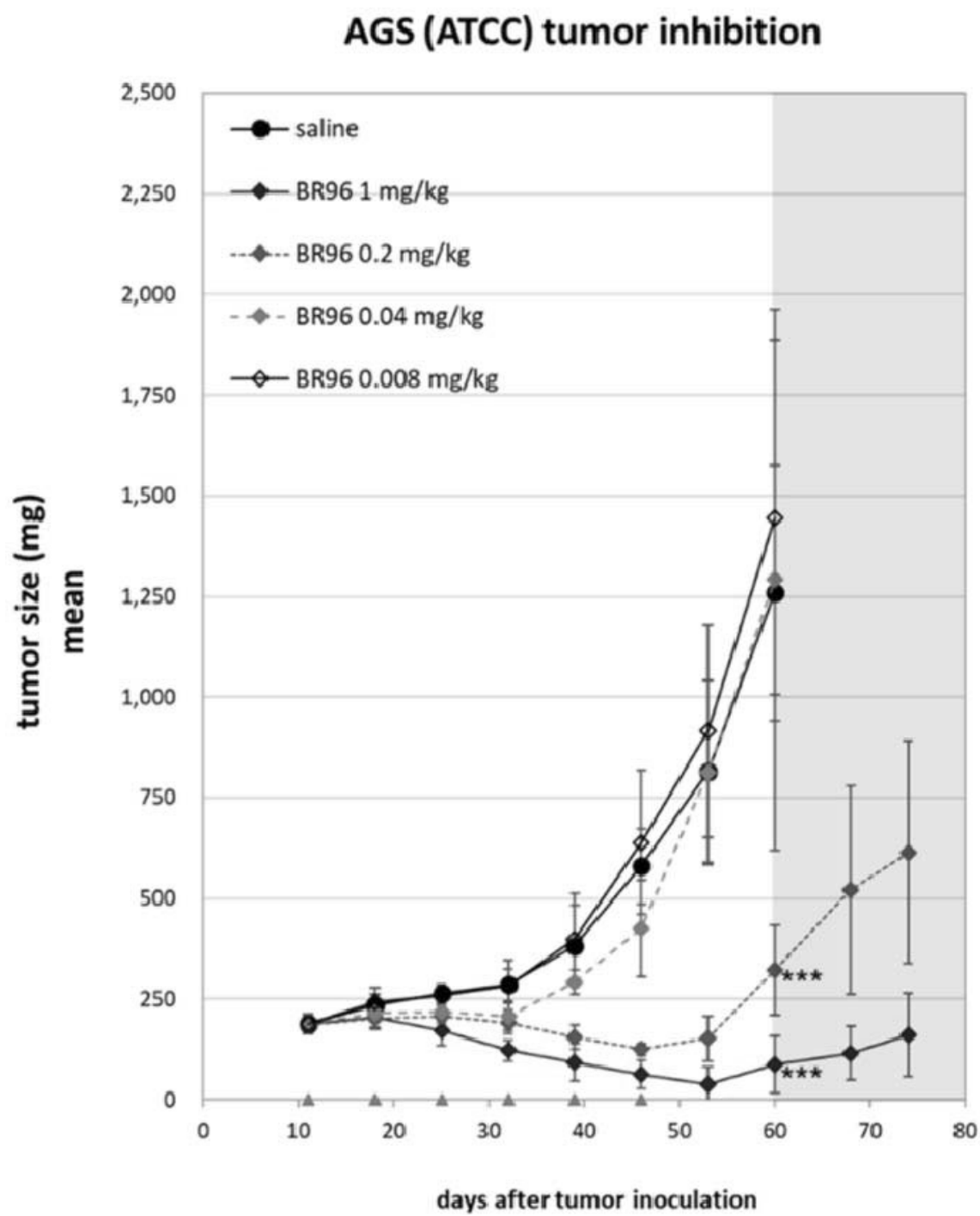


FIG. 20B

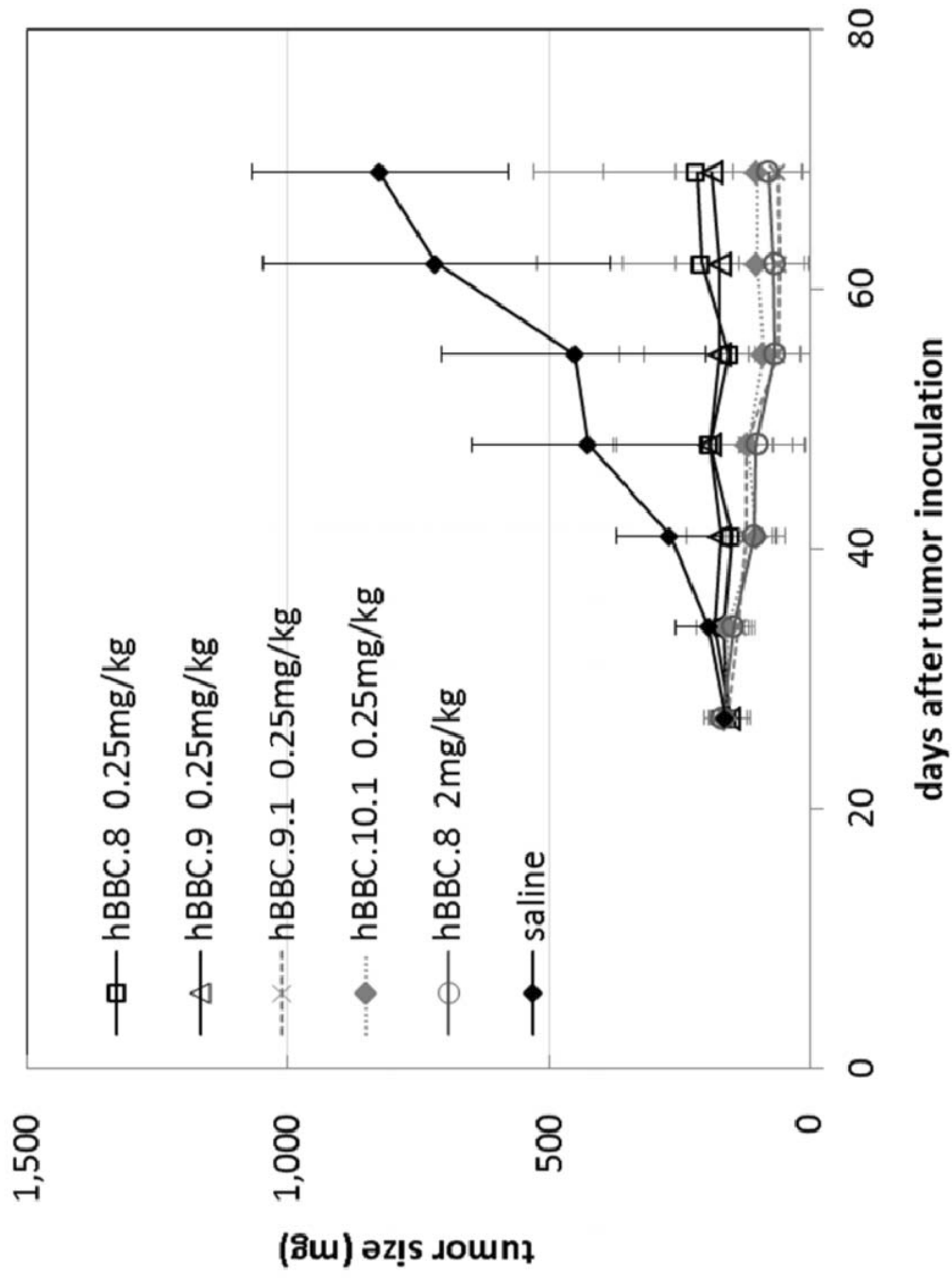


FIG. 20C

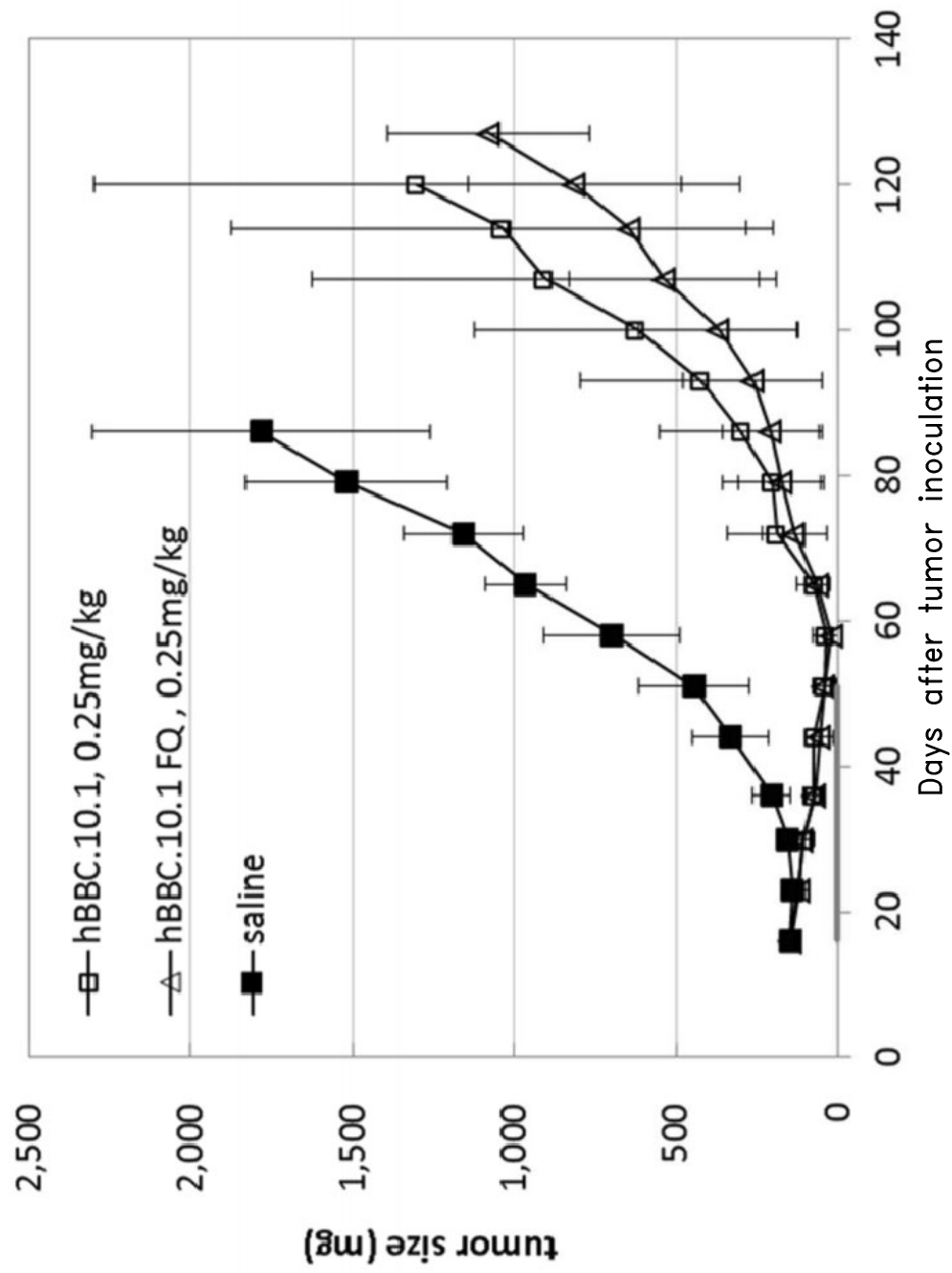


FIG. 20D

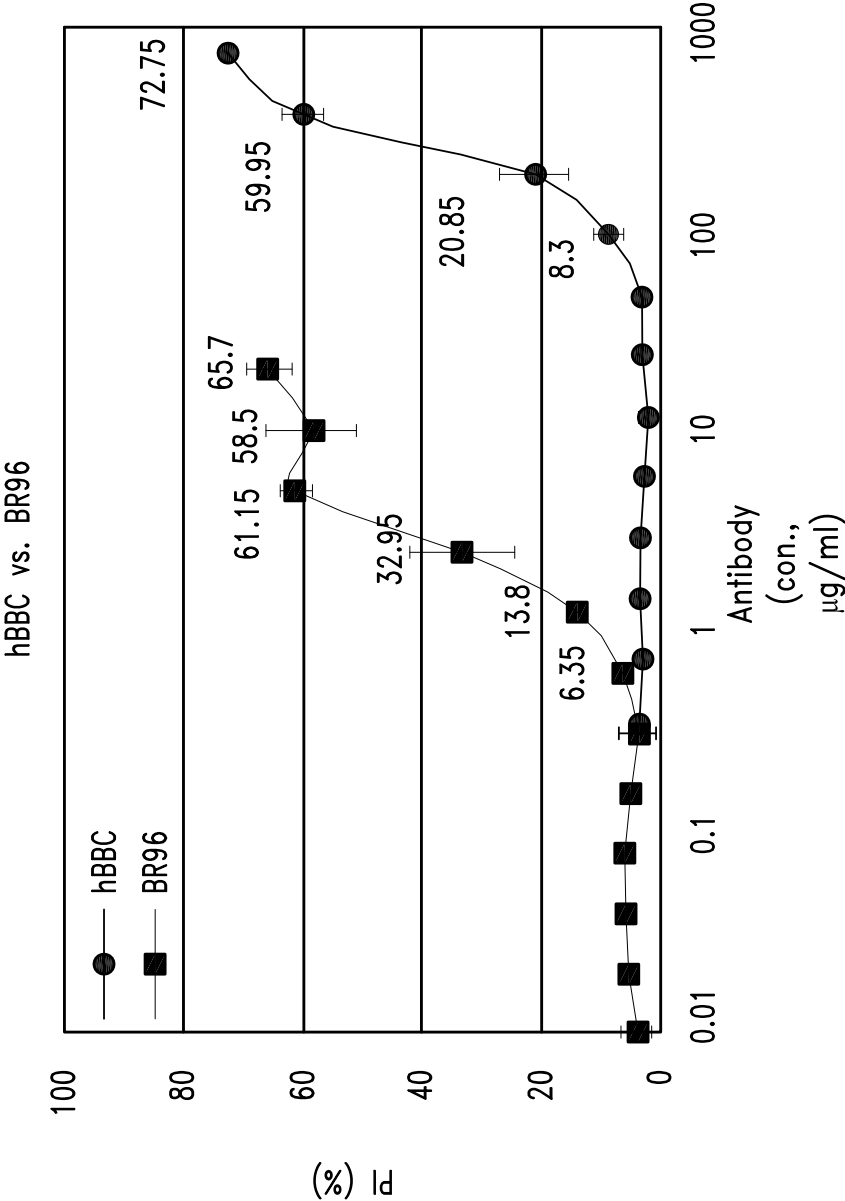


FIG. 21

TSGH 9201 (2s) tumor inhibition

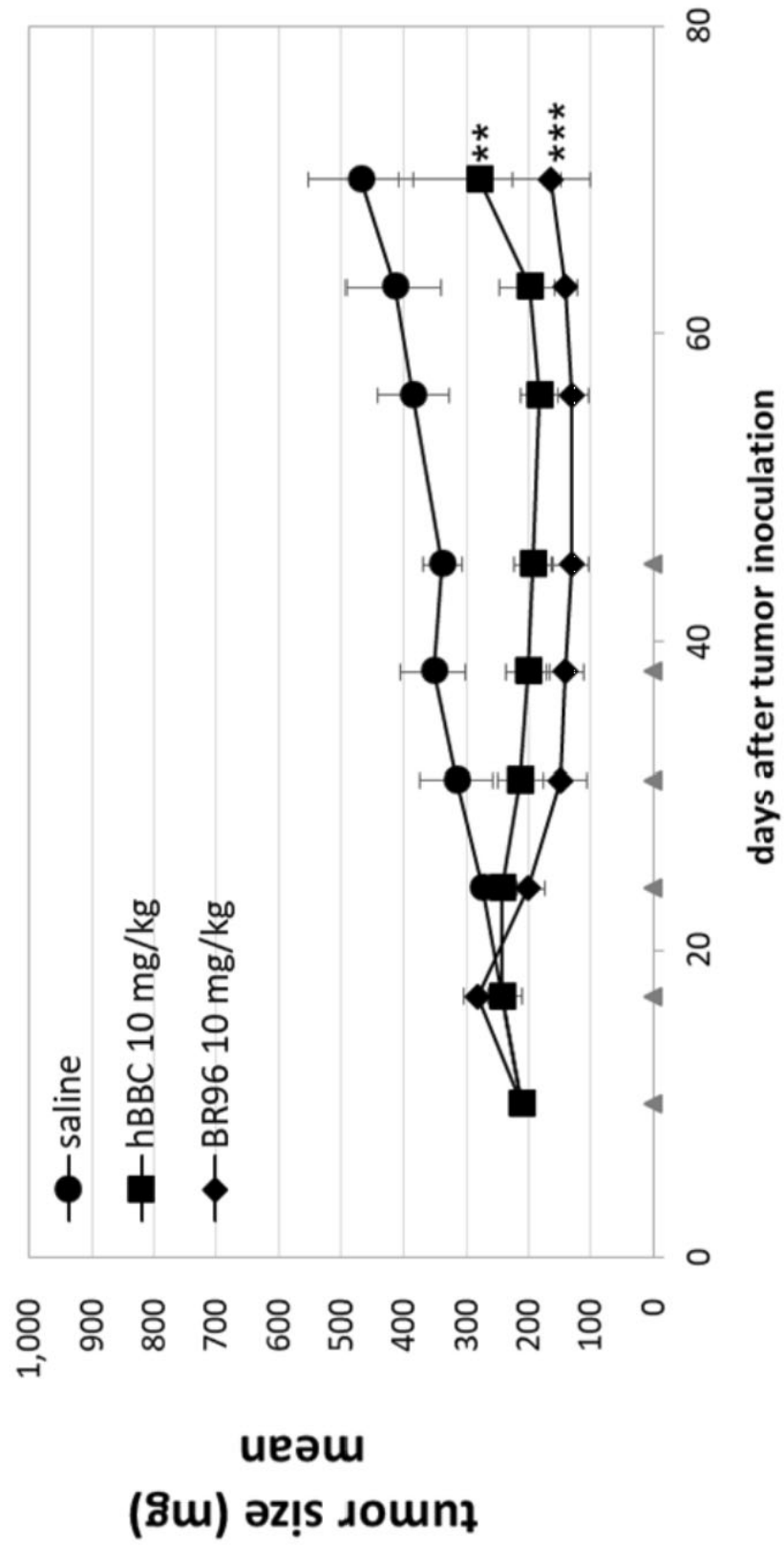


FIG. 22

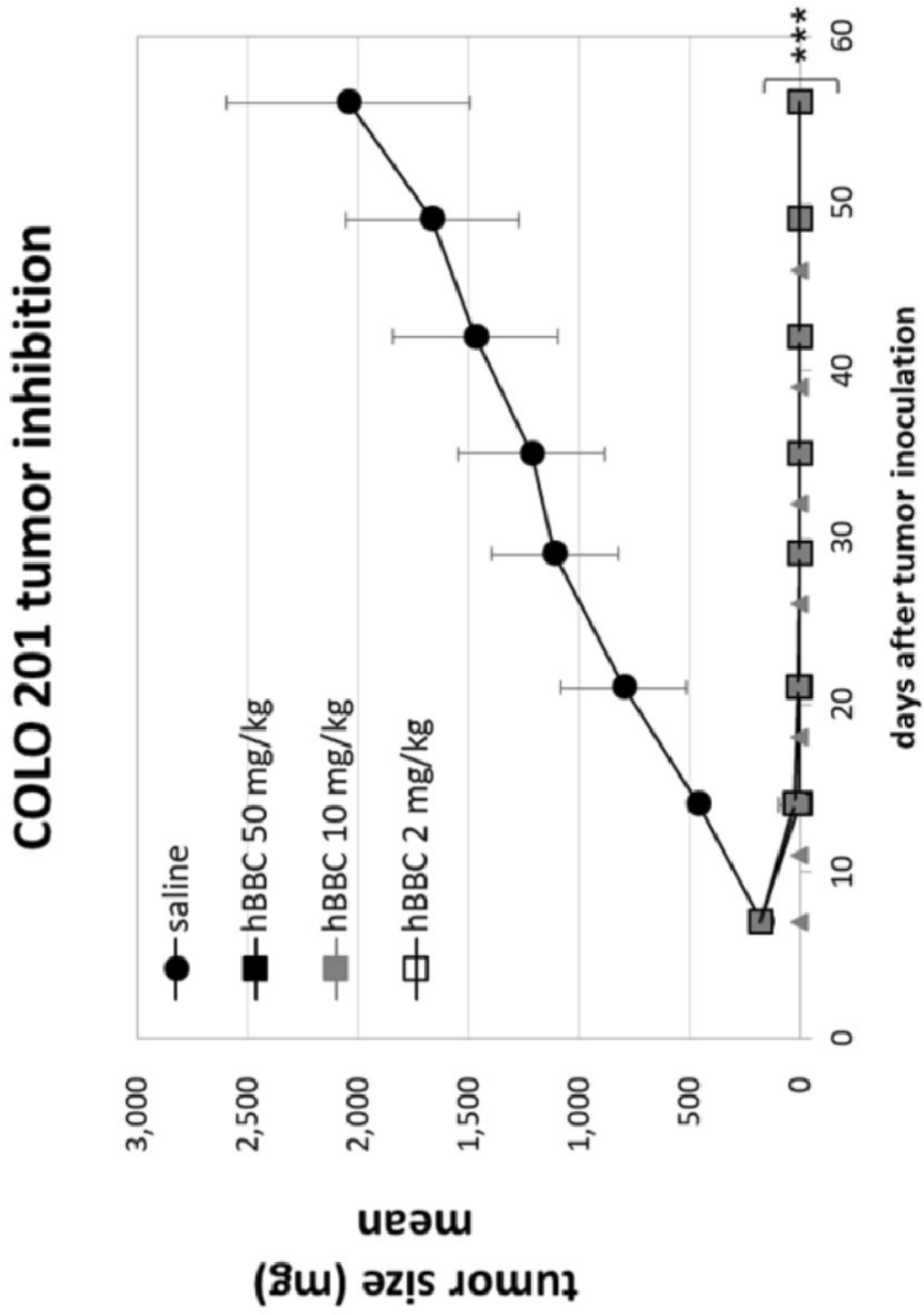


FIG. 23

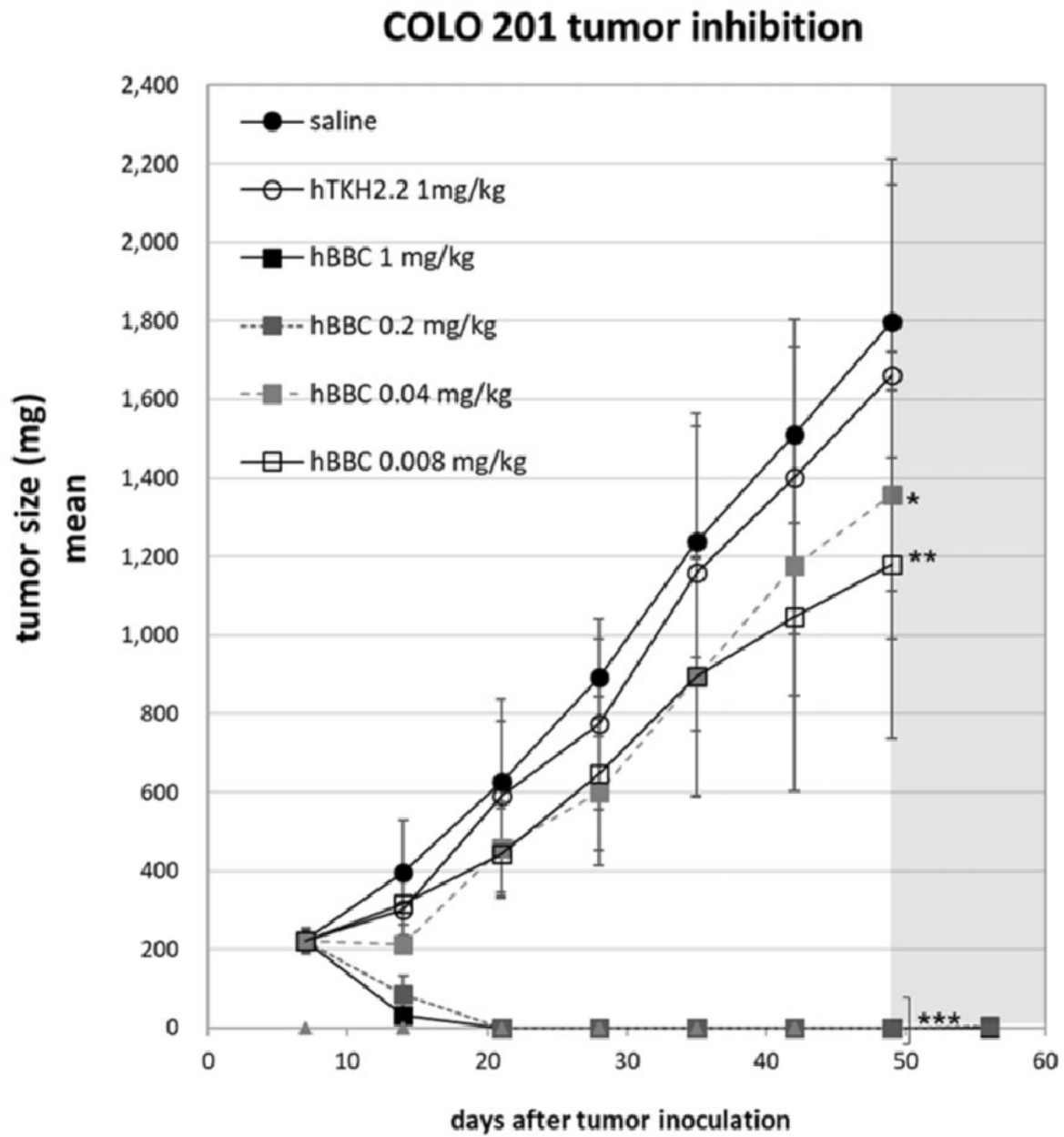


FIG. 24A

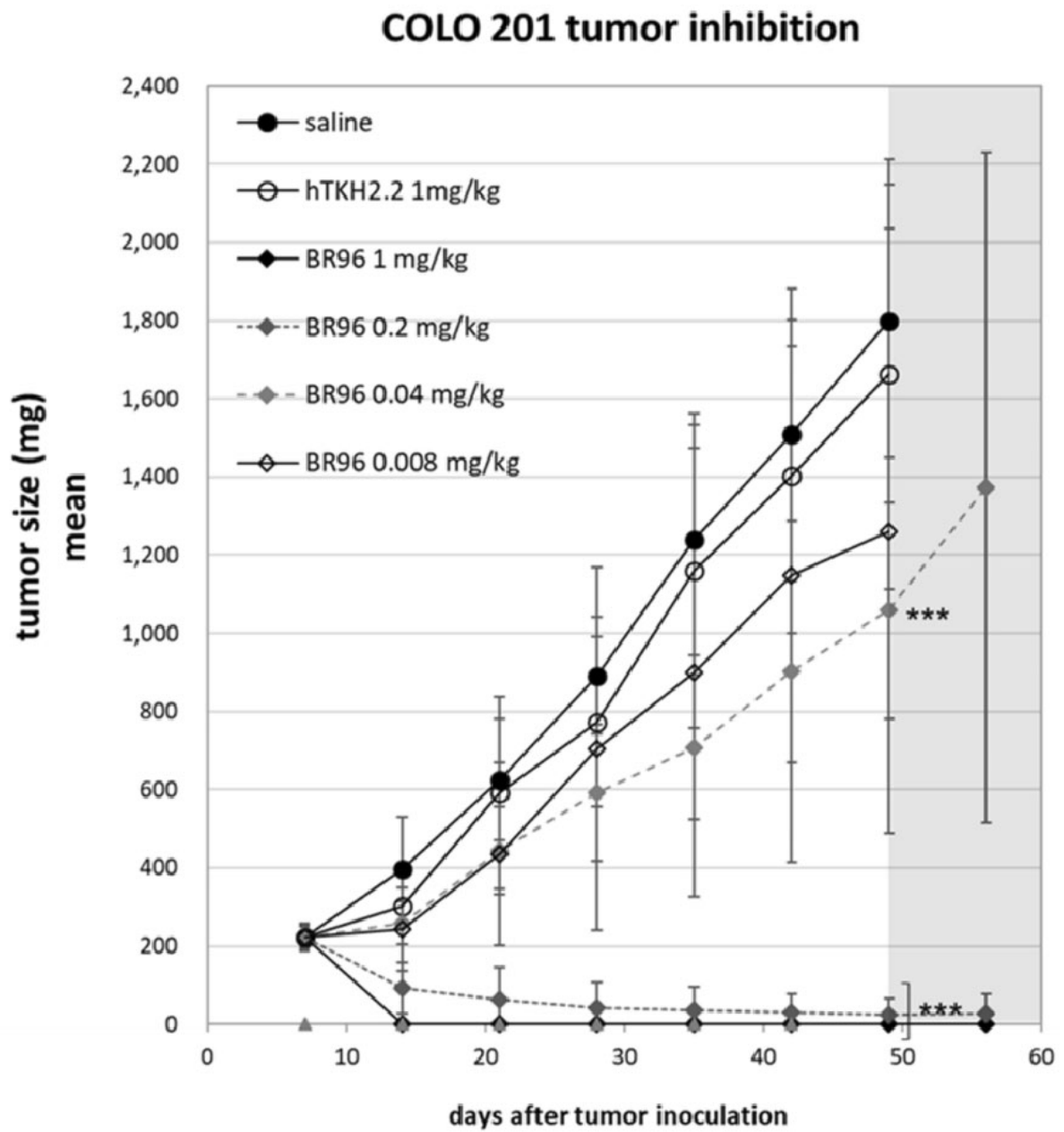


FIG. 24B