

FIG. 1A

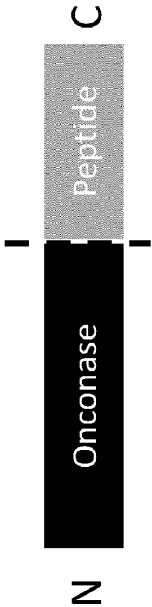


FIG. 1B

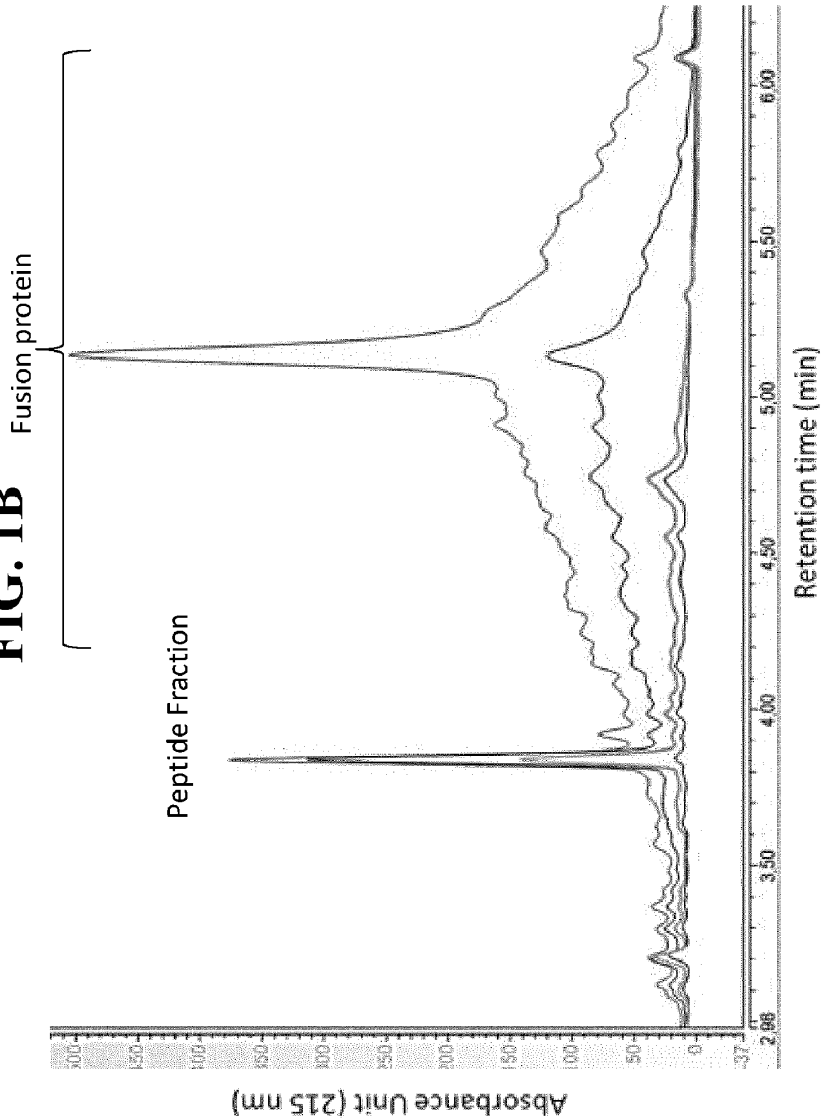


FIG. 2B

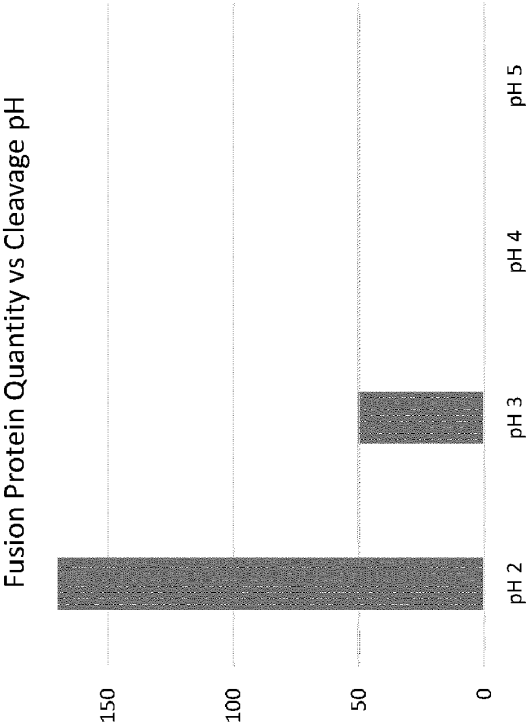


FIG. 2A

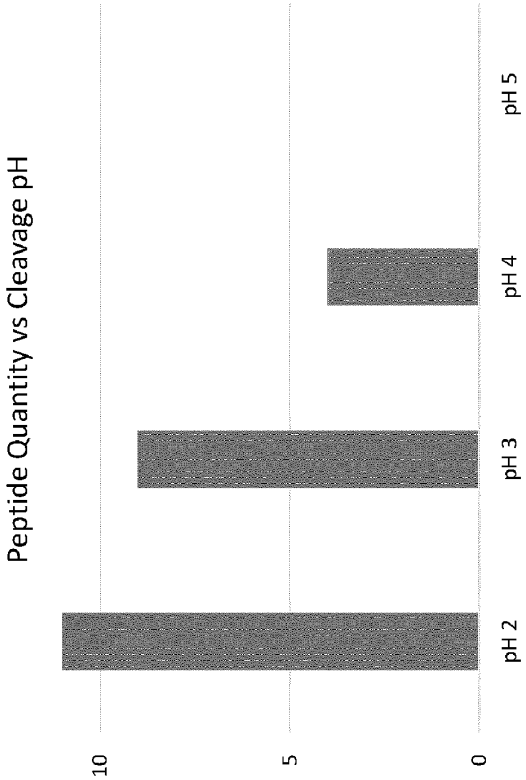


FIG. 3A

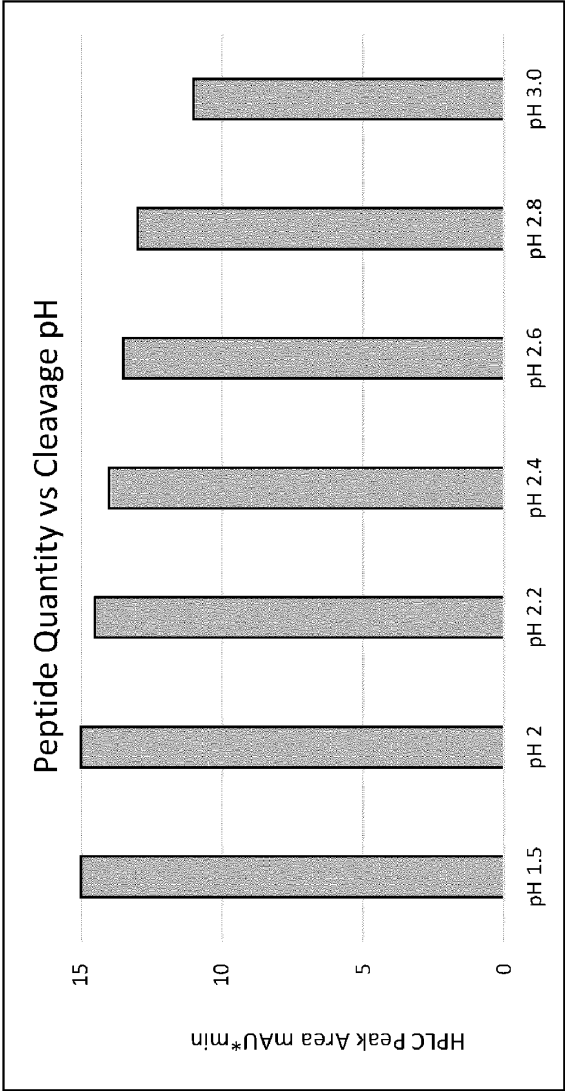


FIG. 3B

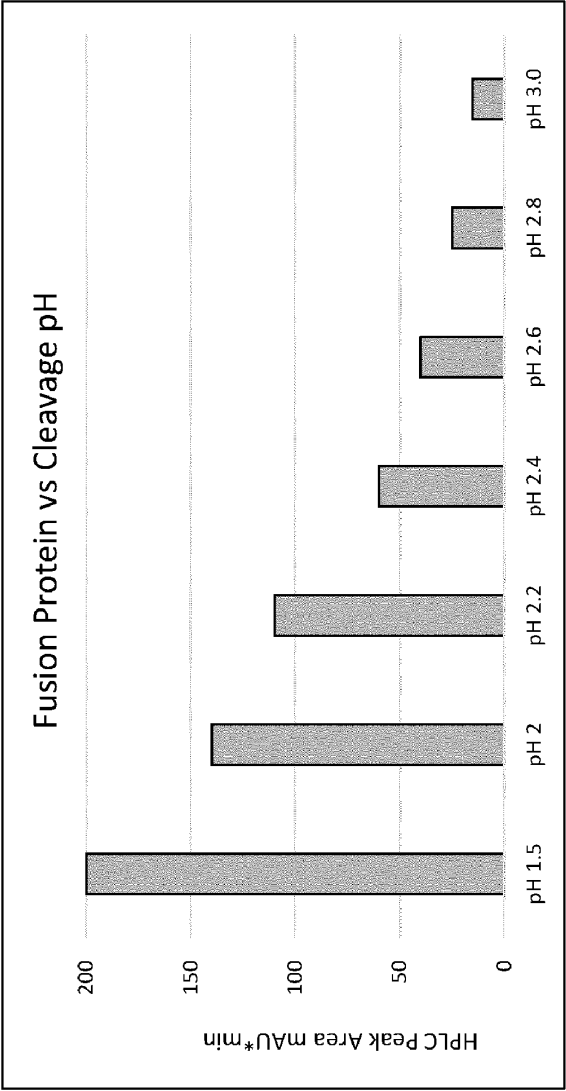


FIG. 4B

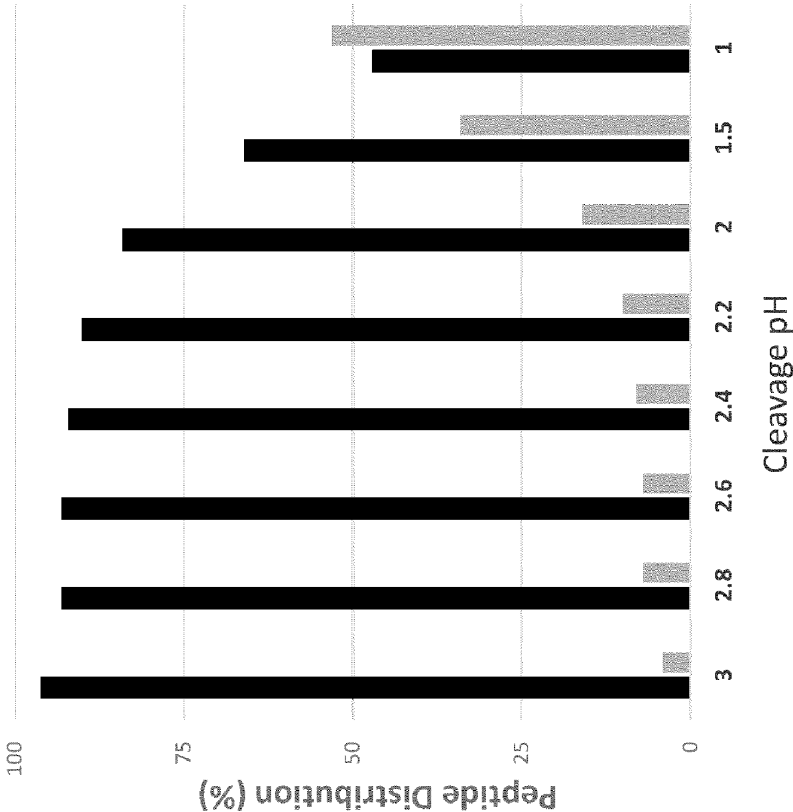


FIG. 4A

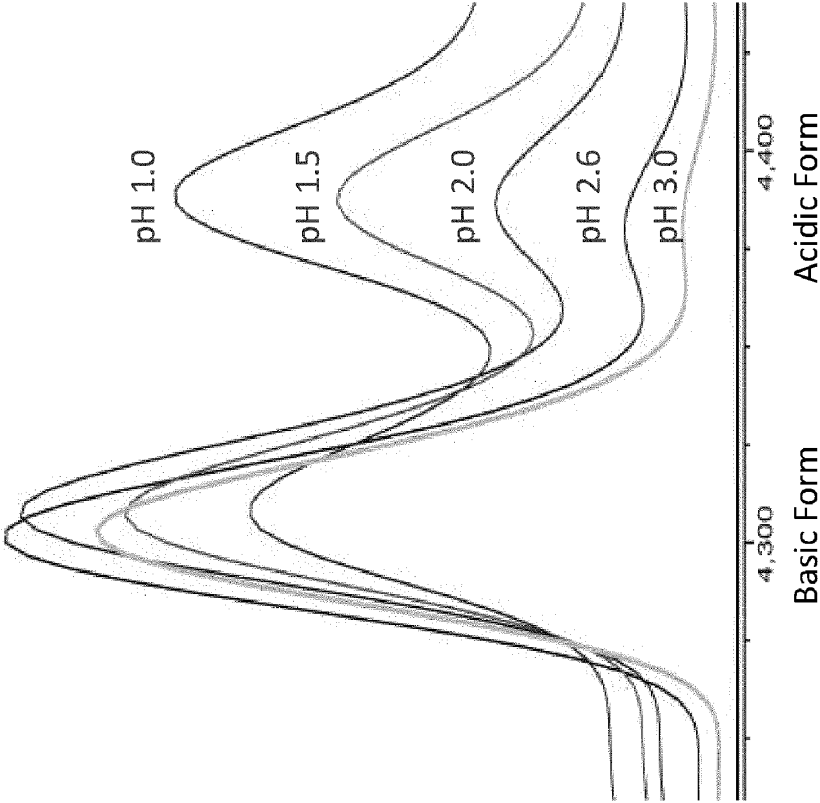


FIG. 5A

Fusion proteins which form inclusion bodies in *E. coli*

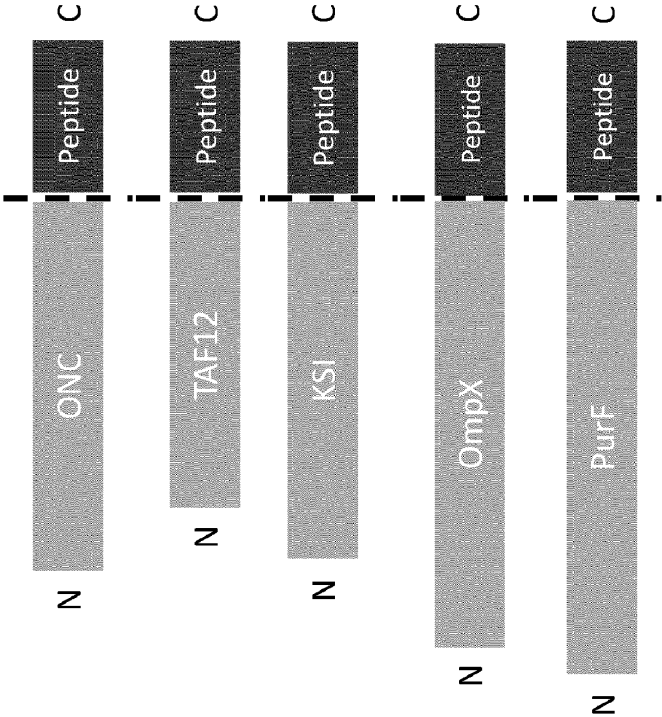
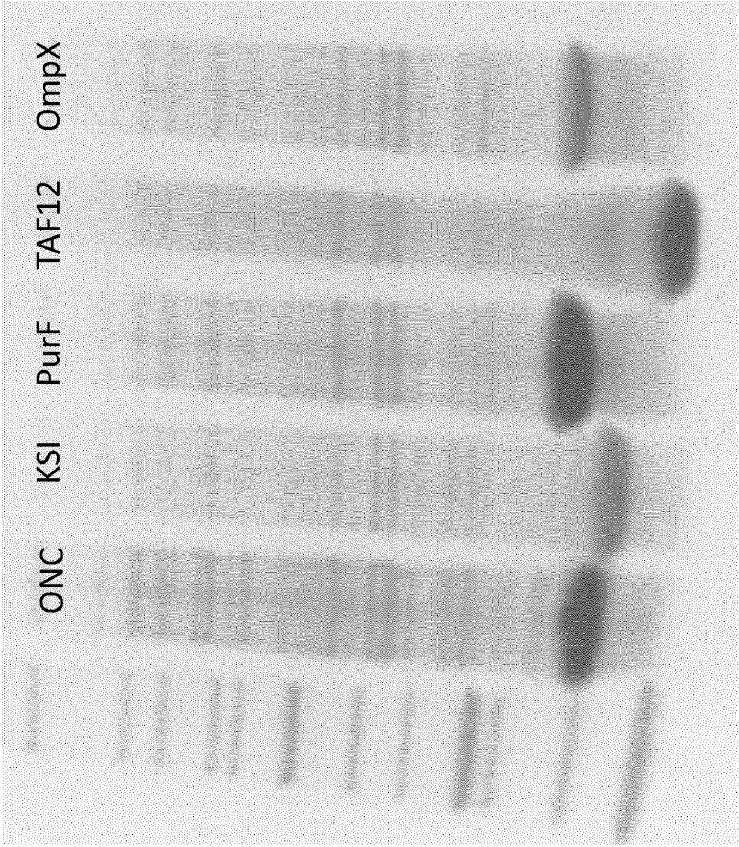


FIG. 5B



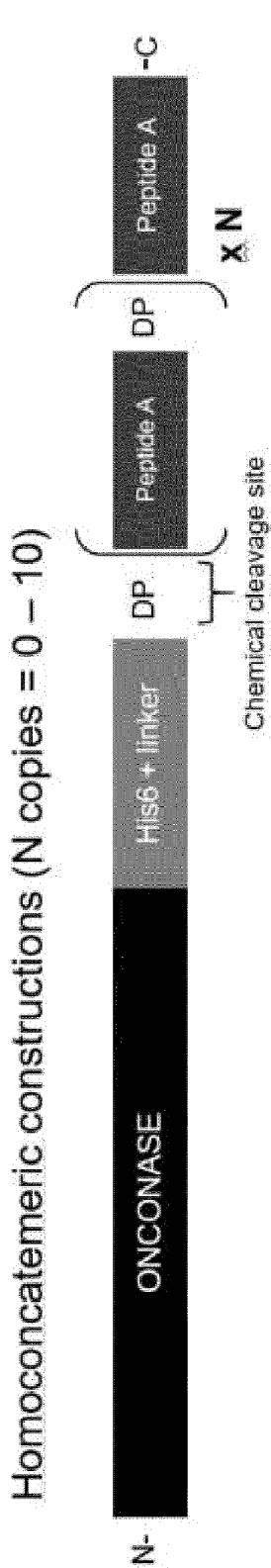


FIG. 6A

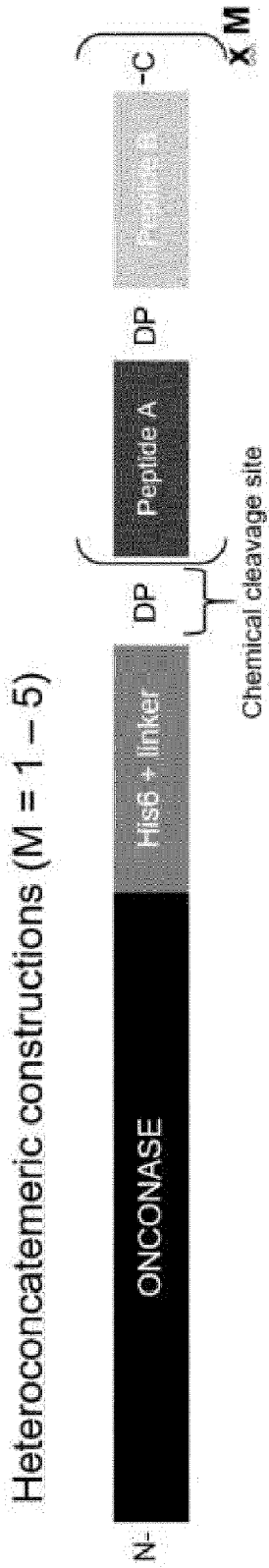


FIG. 6B

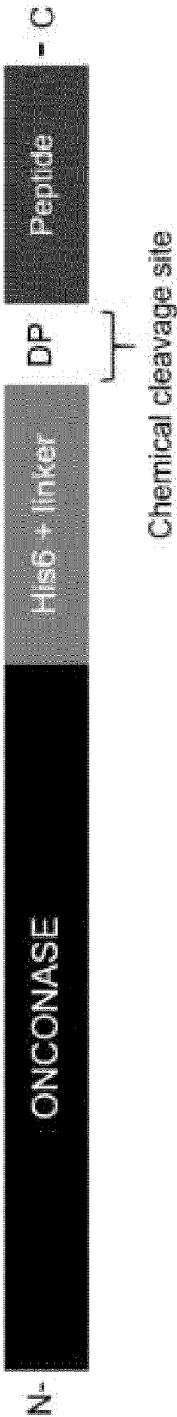


FIG. 6C

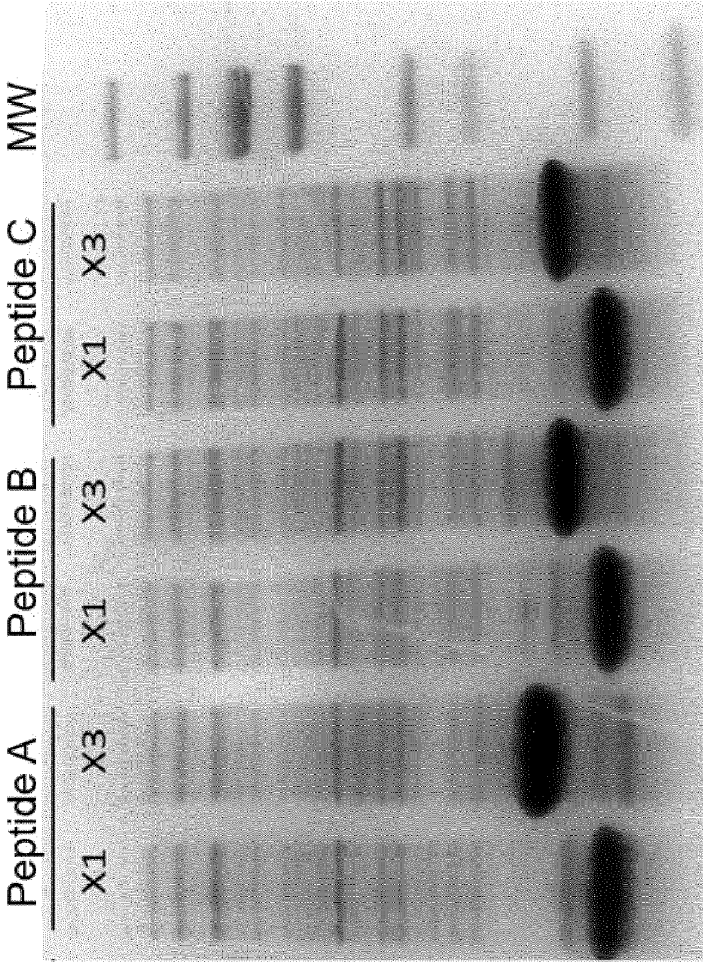


FIG. 7

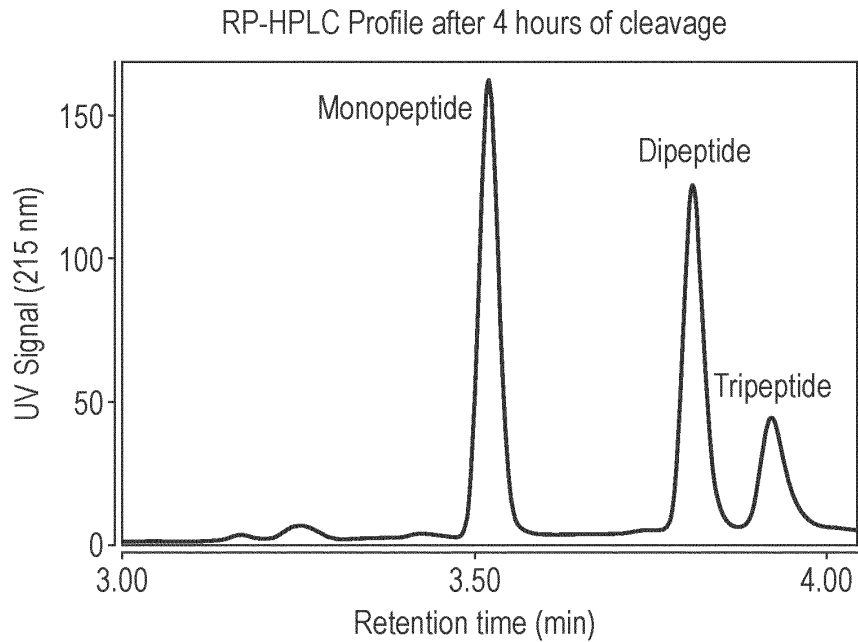


FIG. 8A

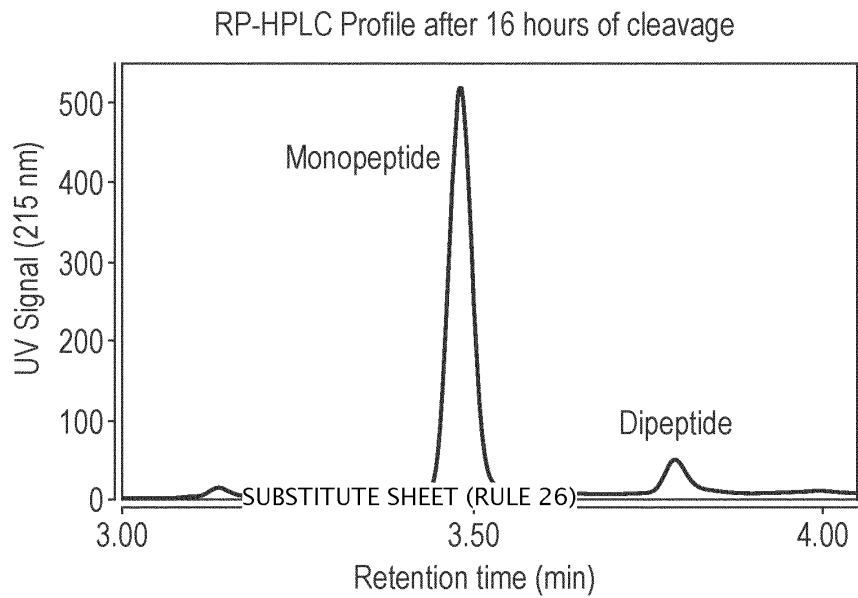


FIG. 8B



FIG. 9A

Construction	Modified N-ter	Construction	Modified N-ter
A_ONC_MP18357	MELNHFELLYKW	E_ONC_MP18357	MPEEVFHGDAHW
B_ONC_MP18357	MASMTGGQQM GW	F_ONC_MP18357	MTHTIKAMEPFW
C_ONC_MP18357	MRRKKRPDP DSW	G_ONC_MP18357	MERHVVEQQLW
D_ONC_MP18357	MTKEAERLDV PW	H_ONC_MP18357	MKRRVILFSSQW

WT N-ter sequence: MGQEWLTFQKK

FIG. 9B

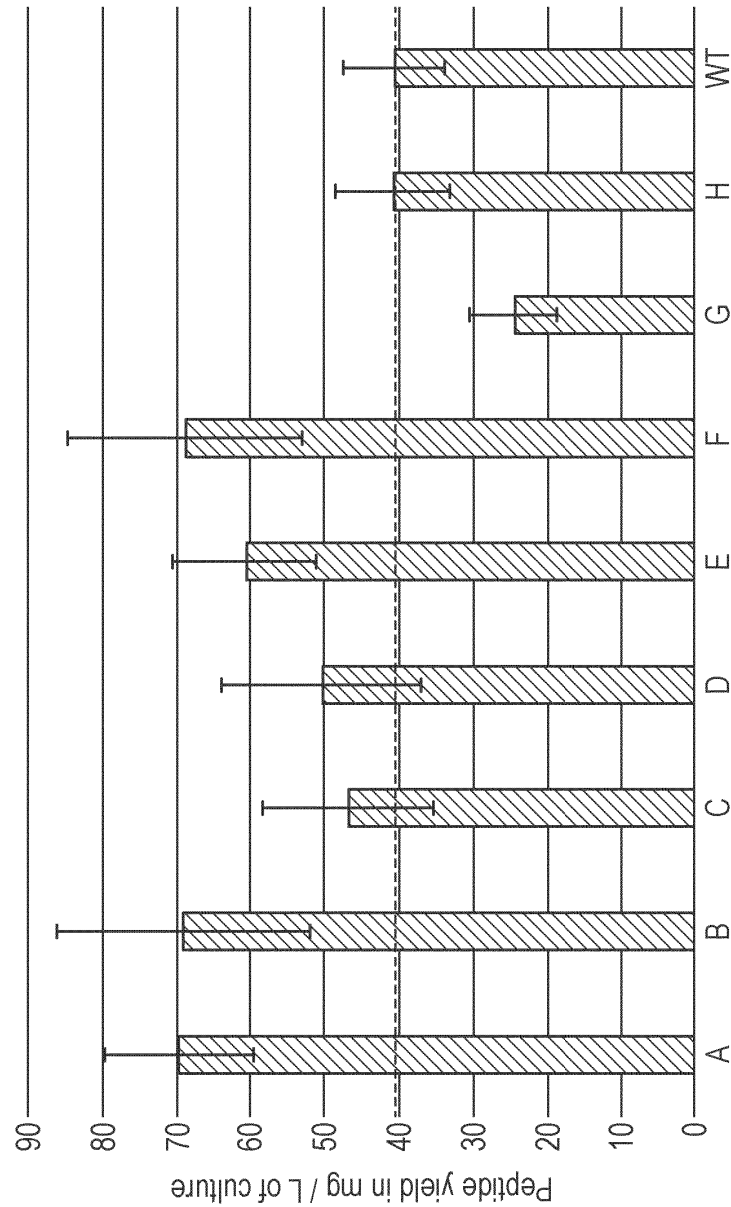


FIG. 9C

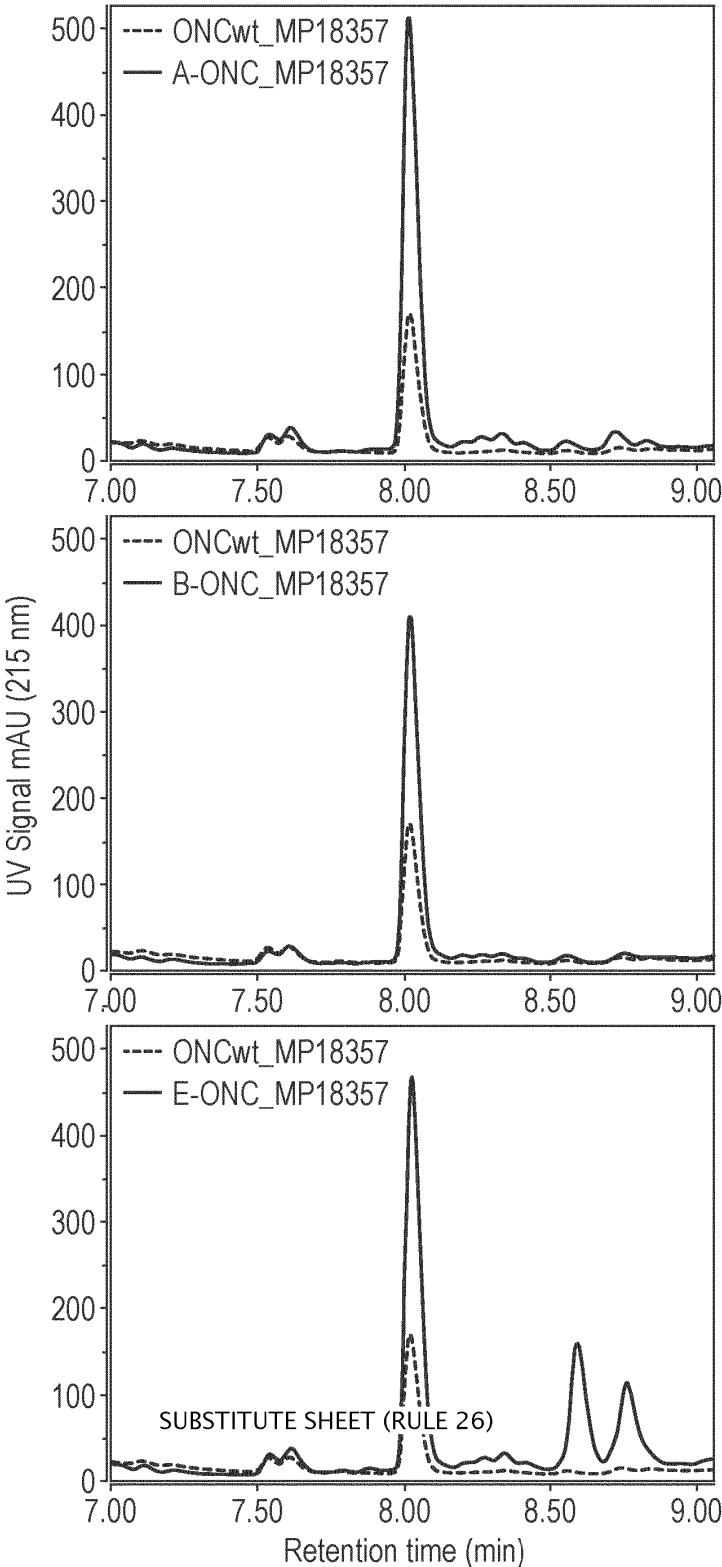


FIG. 10

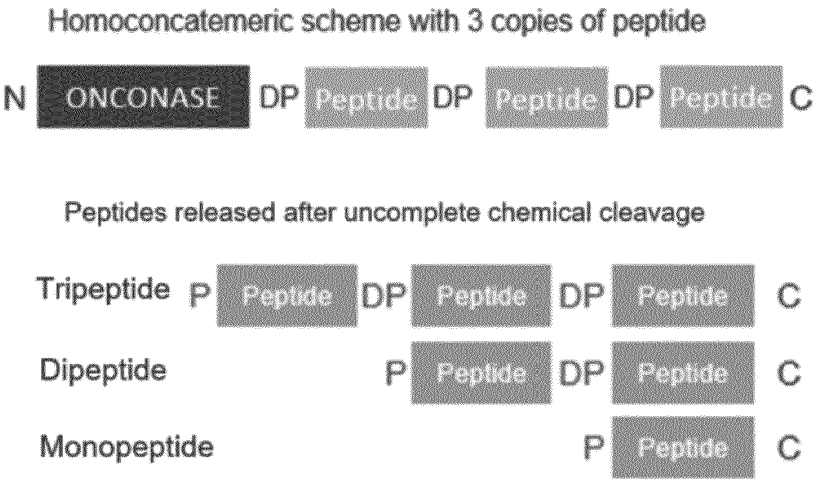


FIG. 11A

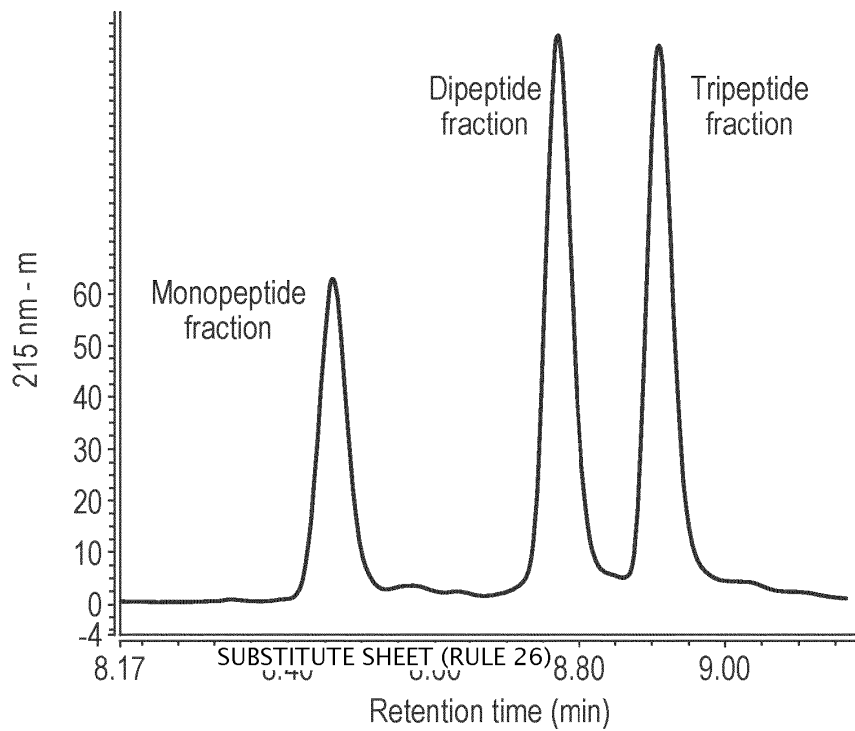


FIG. 11B

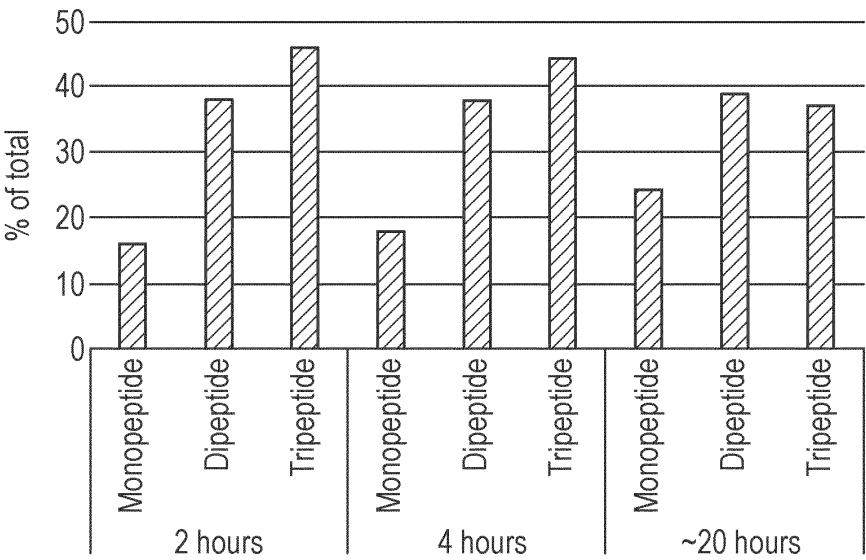


FIG. 12A

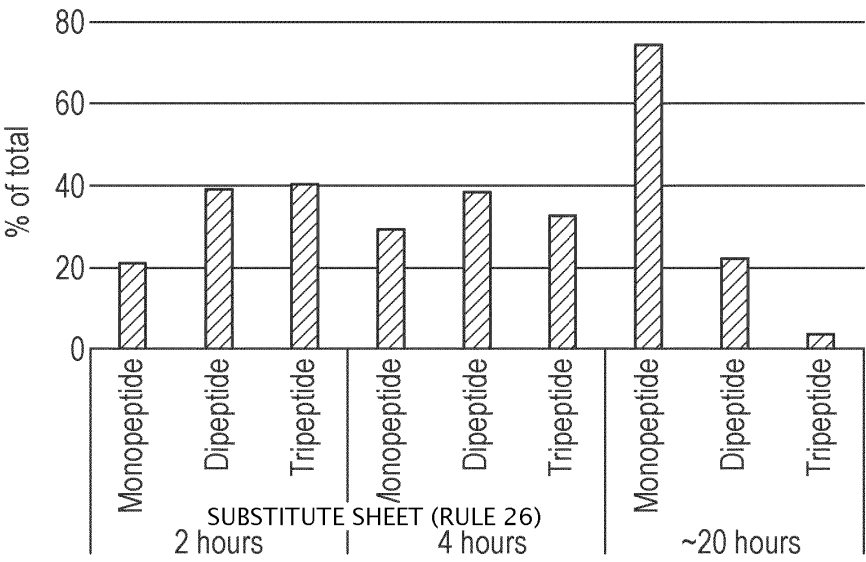


FIG. 12B

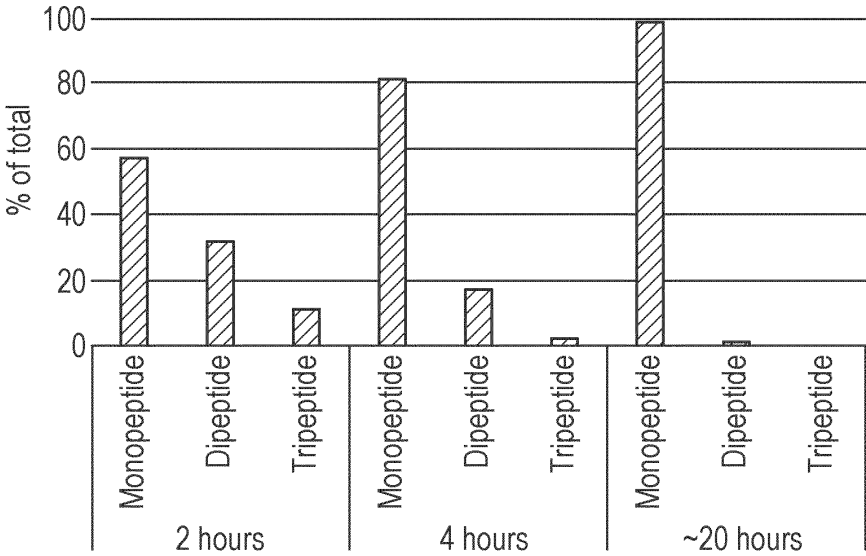
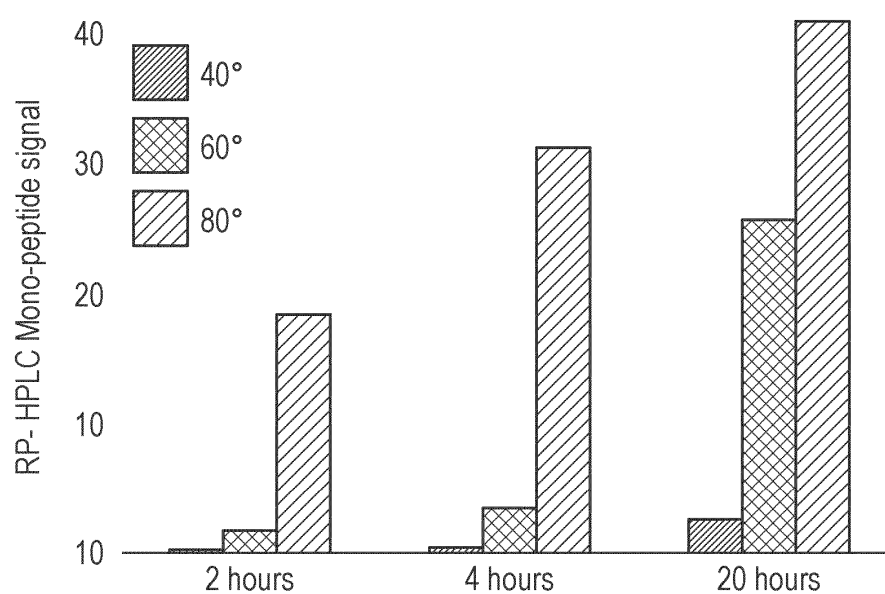


FIG. 12C

**FIG. 13**

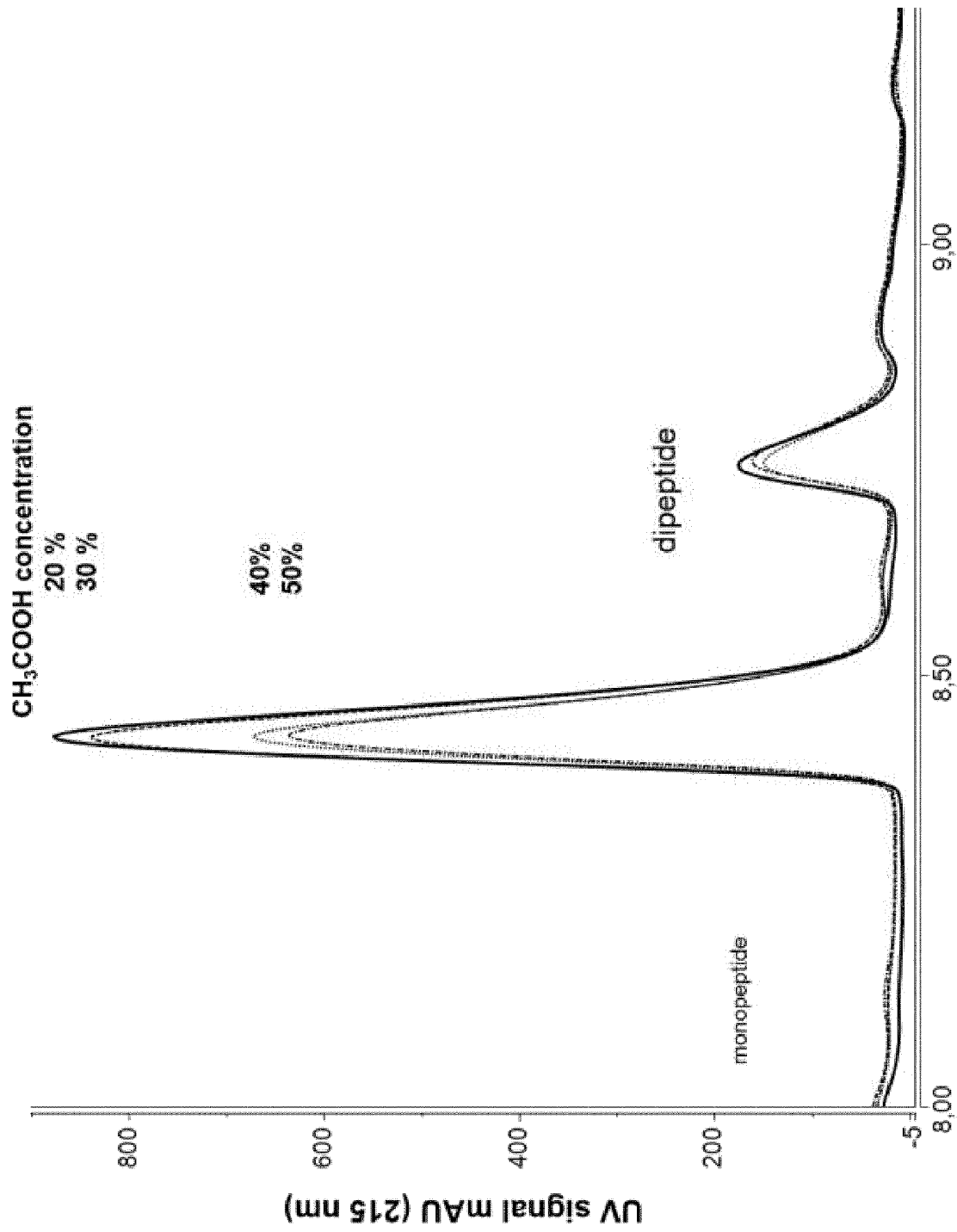


FIG. 14A

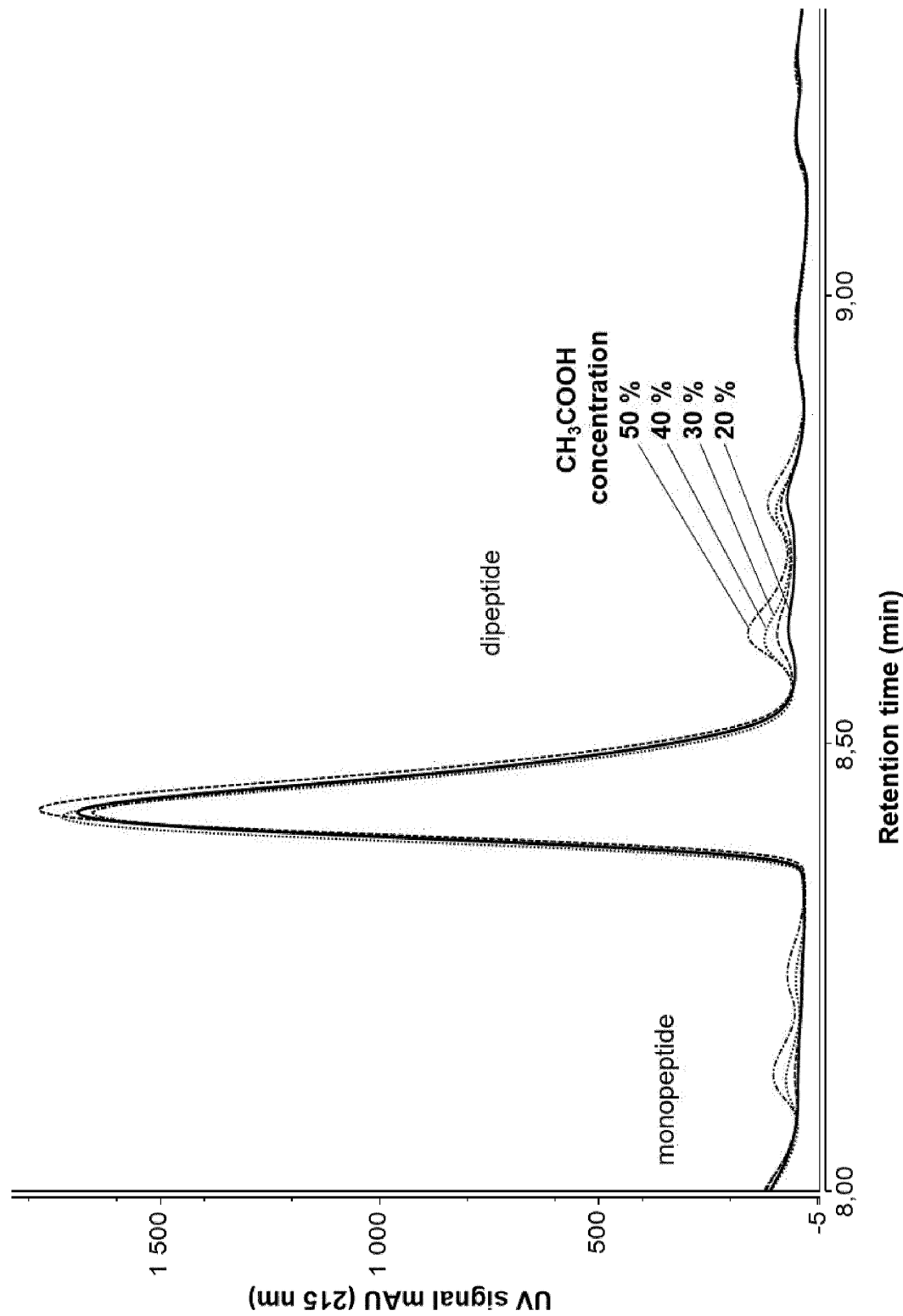


FIG. 14B

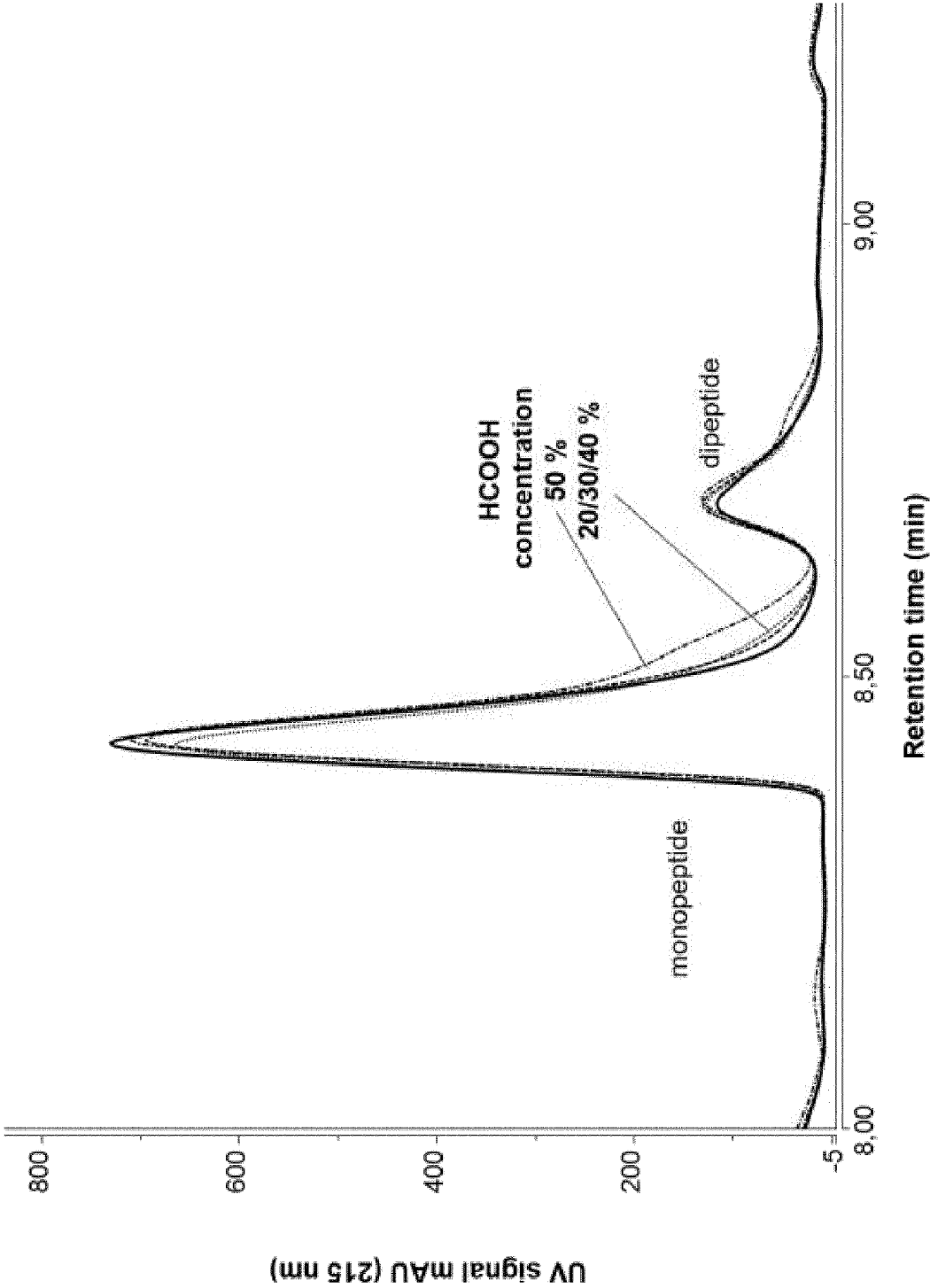


FIG. 14C

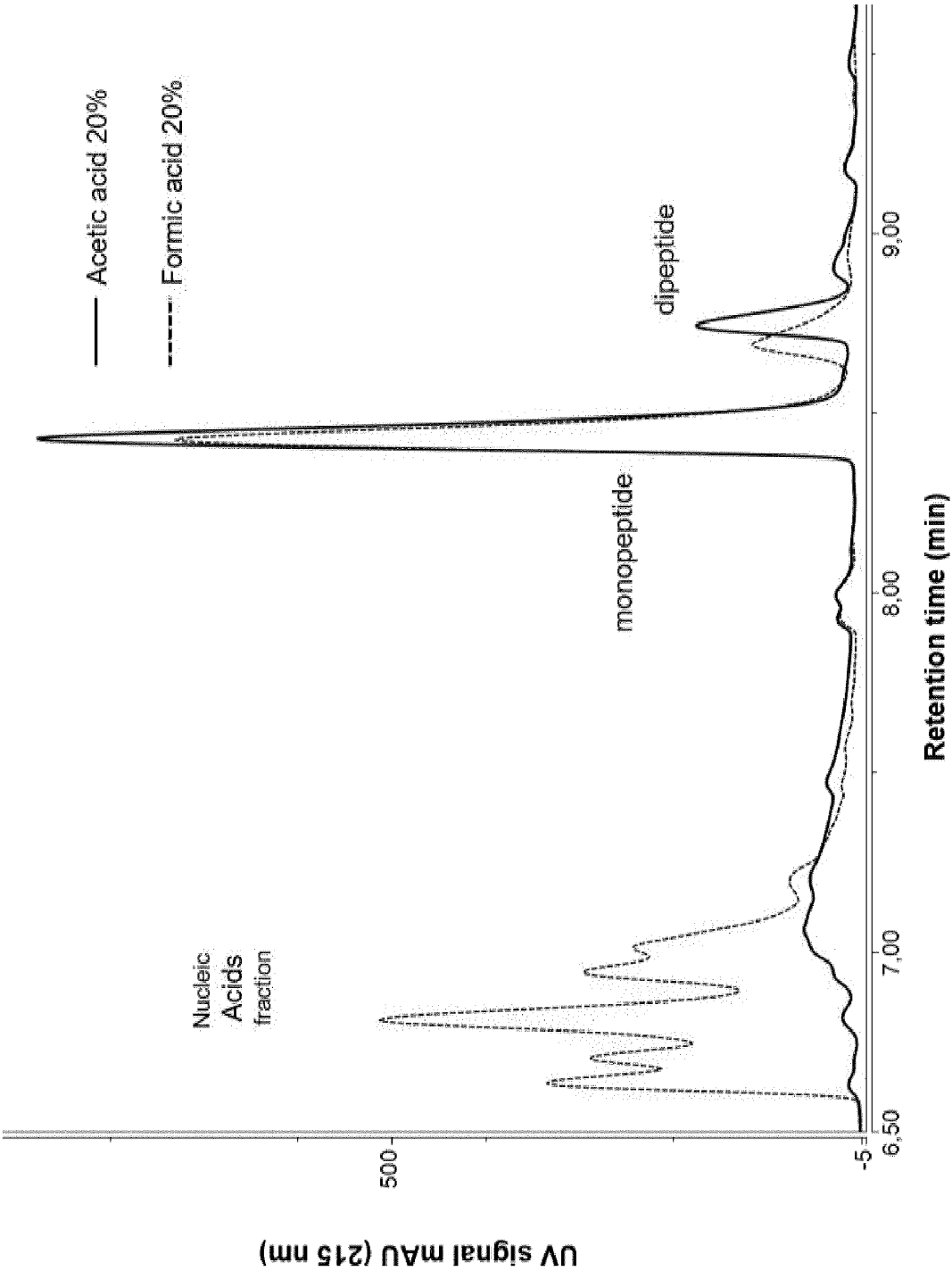


FIG. 14D

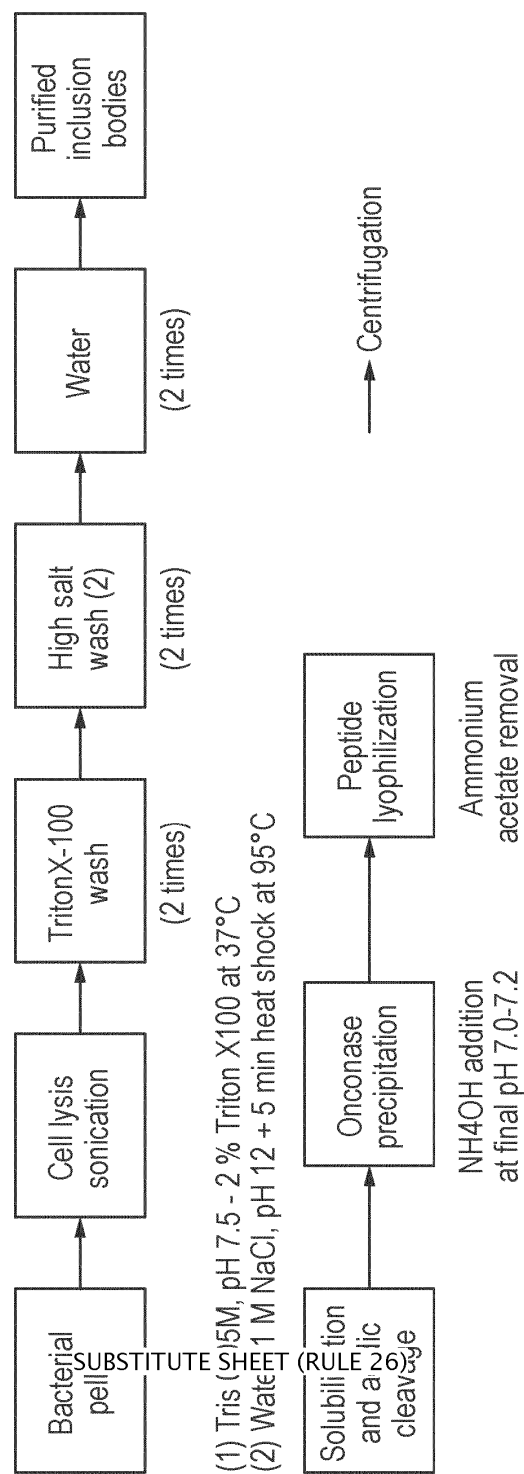


FIG. 15A

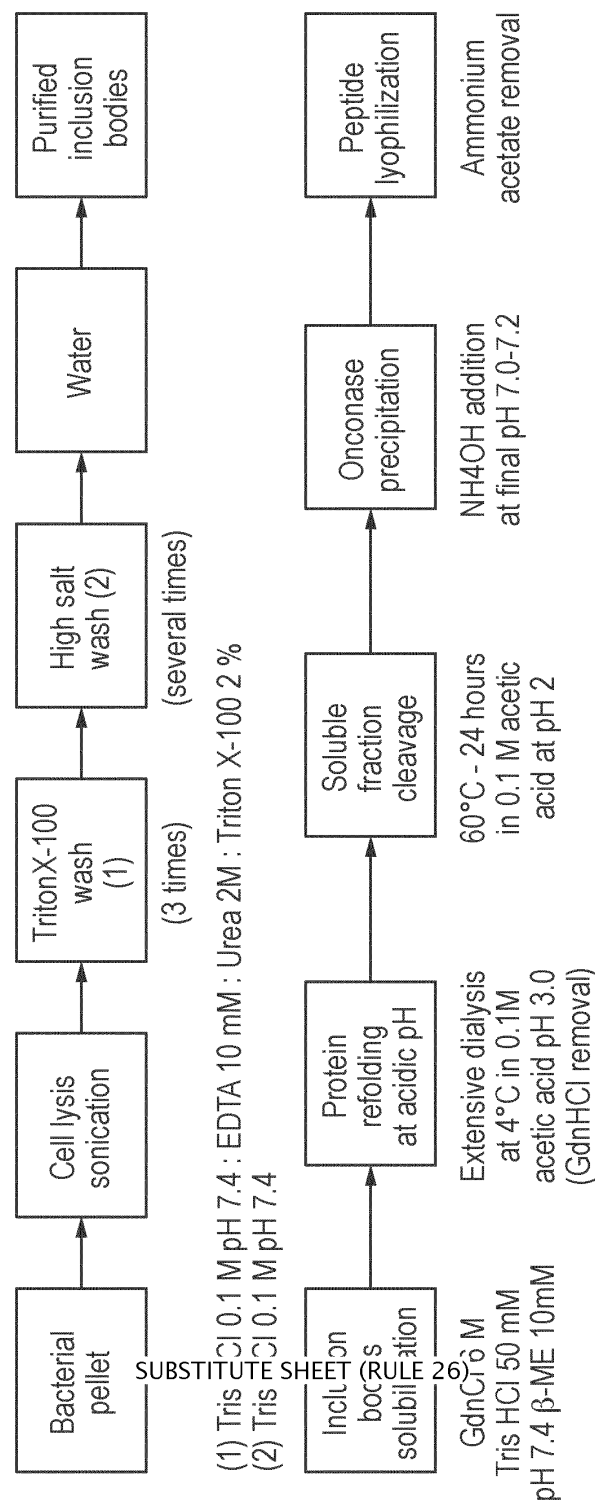


FIG. 15B

Construction	Yield obtained Pane K et al (2016)	Yield obtained Micropep	Fold increase
ONC_MP18356x1	6,5	15	X 2,3
ONC_MP18356x3	50	92	X 1,84
ONC_MP18357x1	2	13	X 6,45
ONC_MP18357x3	7,5	80	X 10,66

FIG. 16

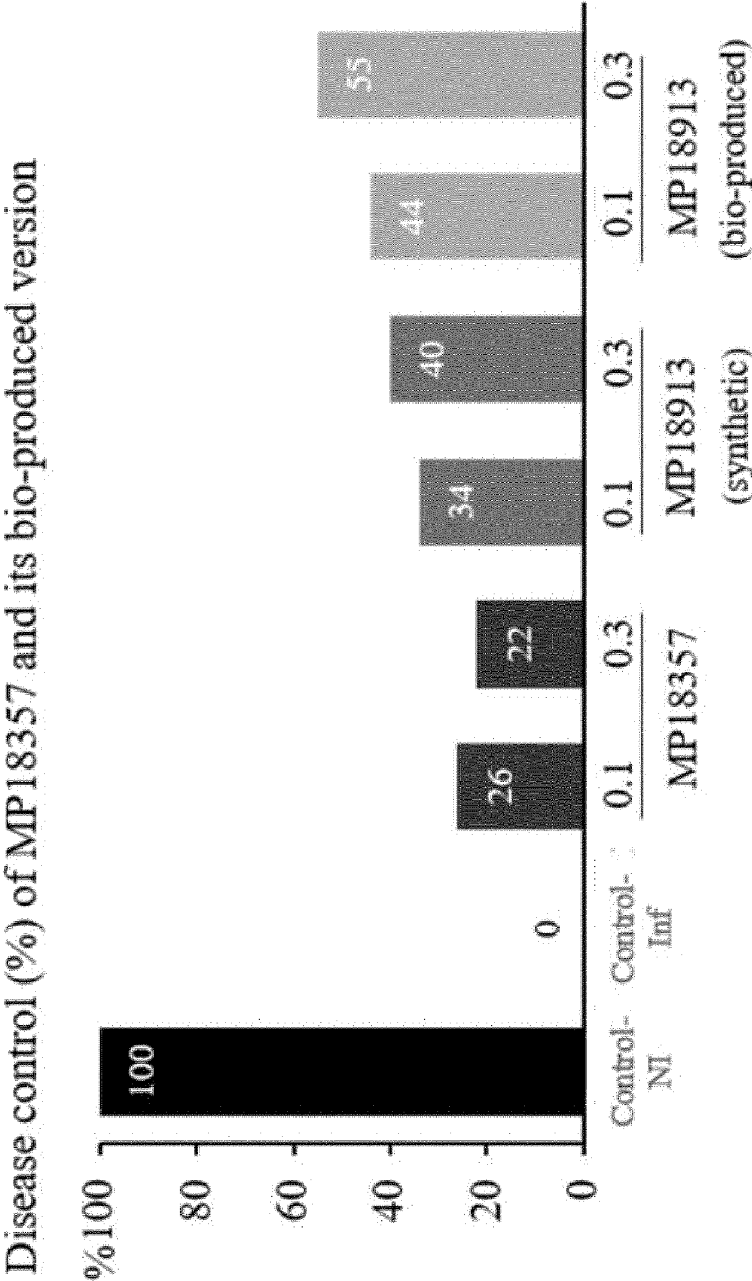


FIG. 17

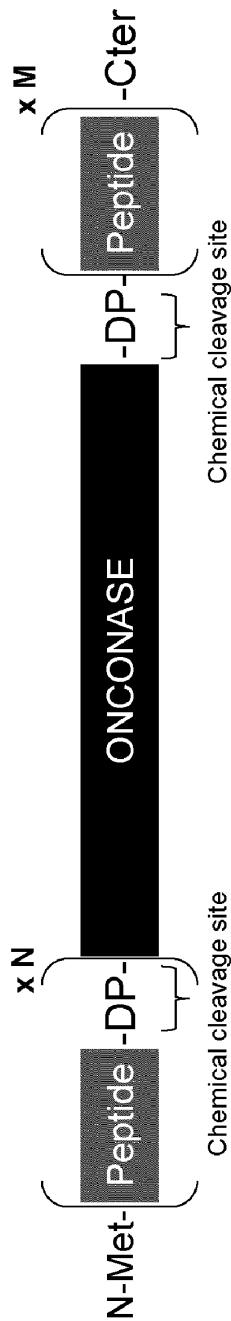


FIG. 18A

Construction name	Peptide copies	N-ter (N)	C-ter (M)
ONC_357x4	4	0	4
ONC_357_1x3	4	1	3
ONC_357x5	5	0	5
ONC_357_2x3	5	2	3
ONC_357x6	6	0	6
ONC_357_3x3	6	3	3

FIG. 18B

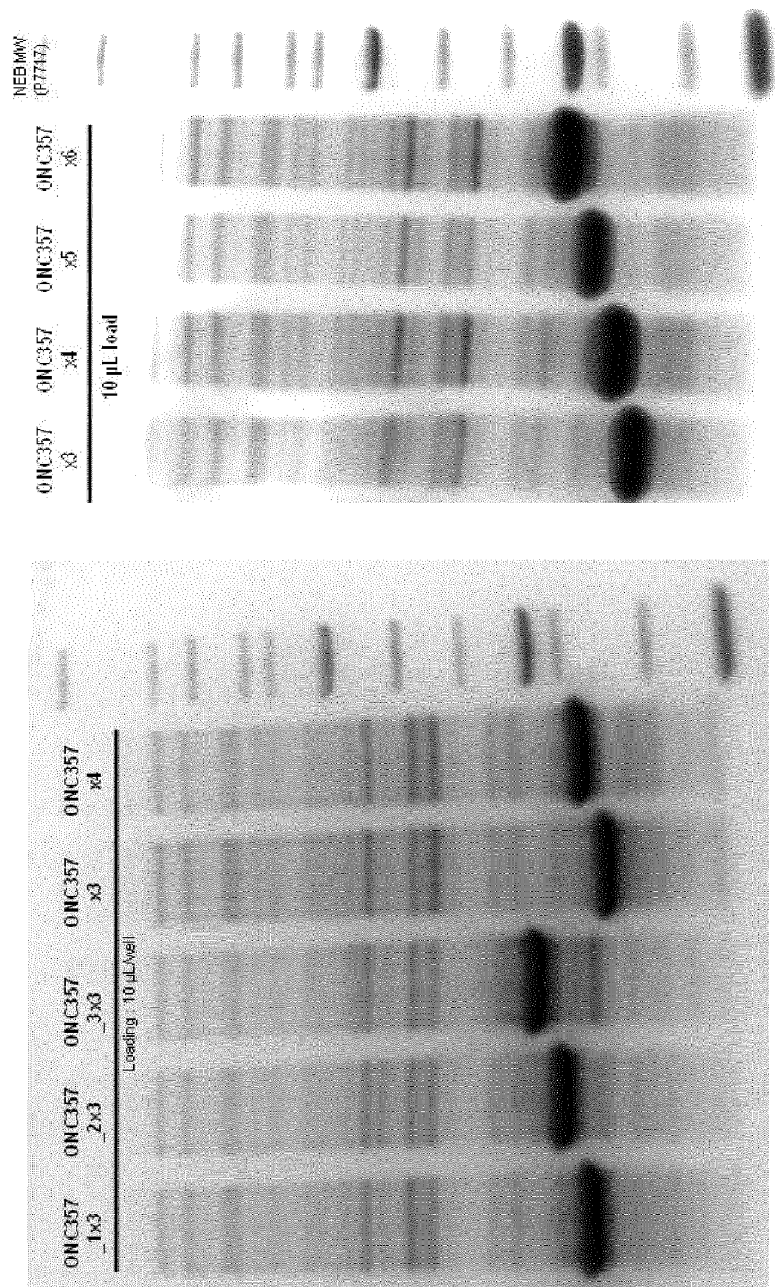


FIG. 18C

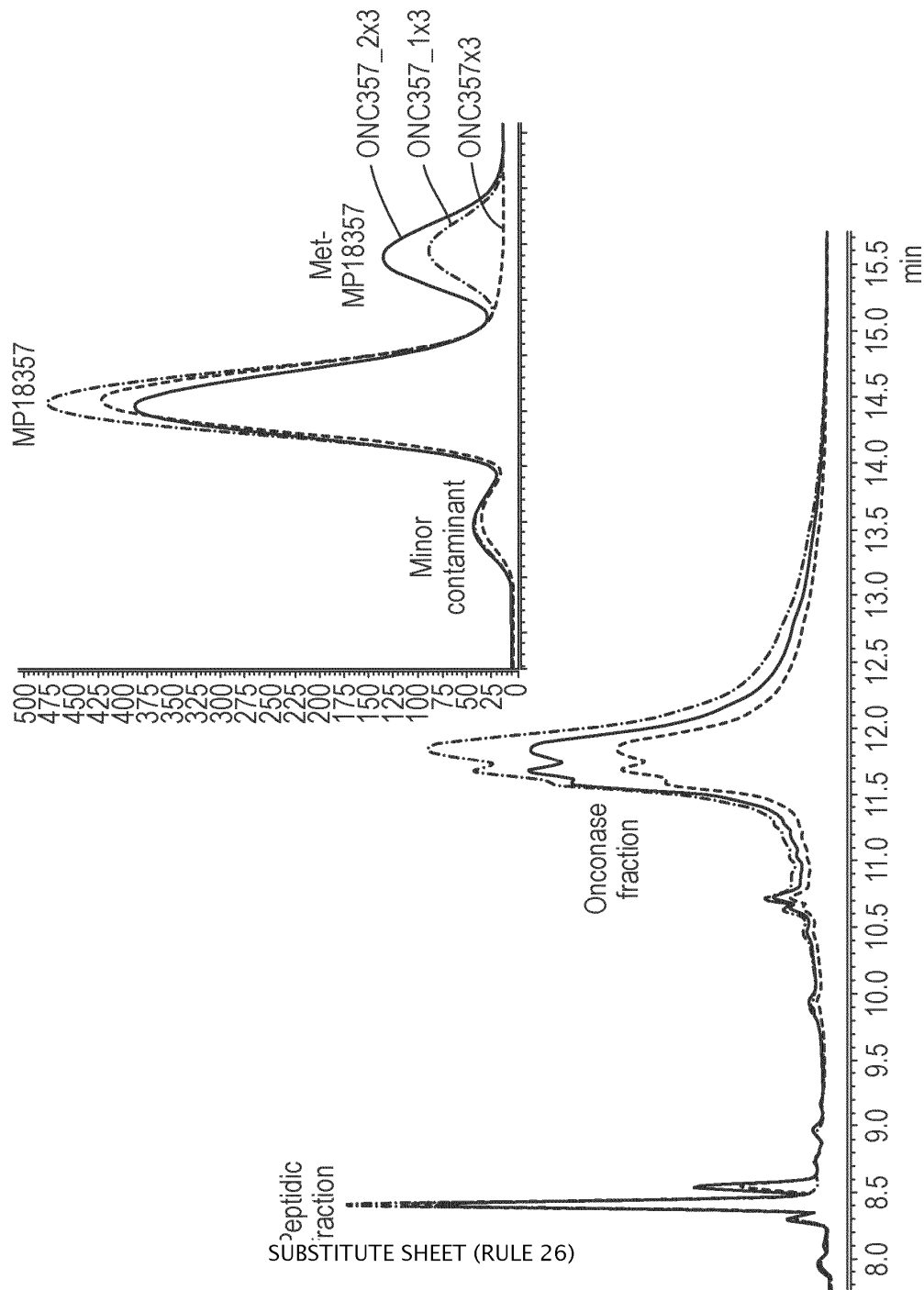


FIG. 19

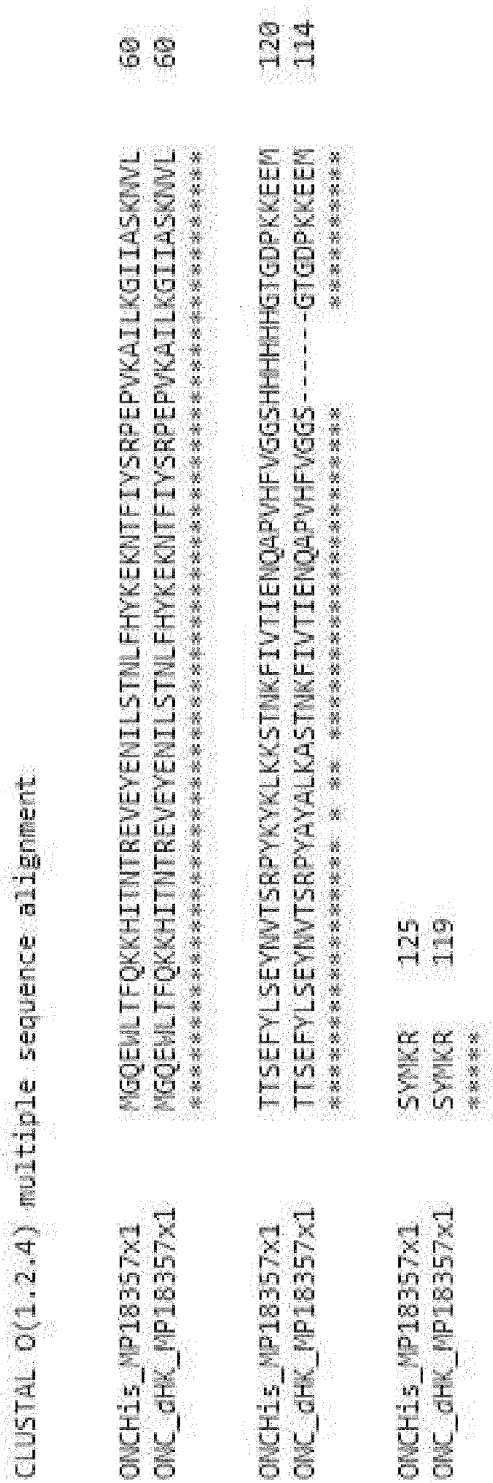


FIG. 20A

CLUSTAL O(1.2.4) multiple sequence alignment

ONCMP1_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASKNV	60
ONCMP2_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASKNV	60
ONCMP3_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASKNV	60
ONCMP4_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASKNV	60
ONCMP5_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASKNV	60
ONCMP6_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASKNV	60
ONCMP7_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASKNV	60
ONCMP8_MP18357x1	MELNHFELLYKWHIINTREVEYENILSTNLPHYKEKNTFIYSRPEPVKAILKGIIASENV	60
	*****;***	
ONCMP1_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120
ONCMP2_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120
ONCMP3_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120
ONCMP4_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120
ONCMP5_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120
ONCMP6_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120
ONCMP7_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120
ONCMP8_MP18357x1	LTTFSEFYLSEYNVTSRPYAYALKASTNKFIVTIENQAPVHFVGGSGTGDPKKKEEMSYMKR	120

FIG. 20B

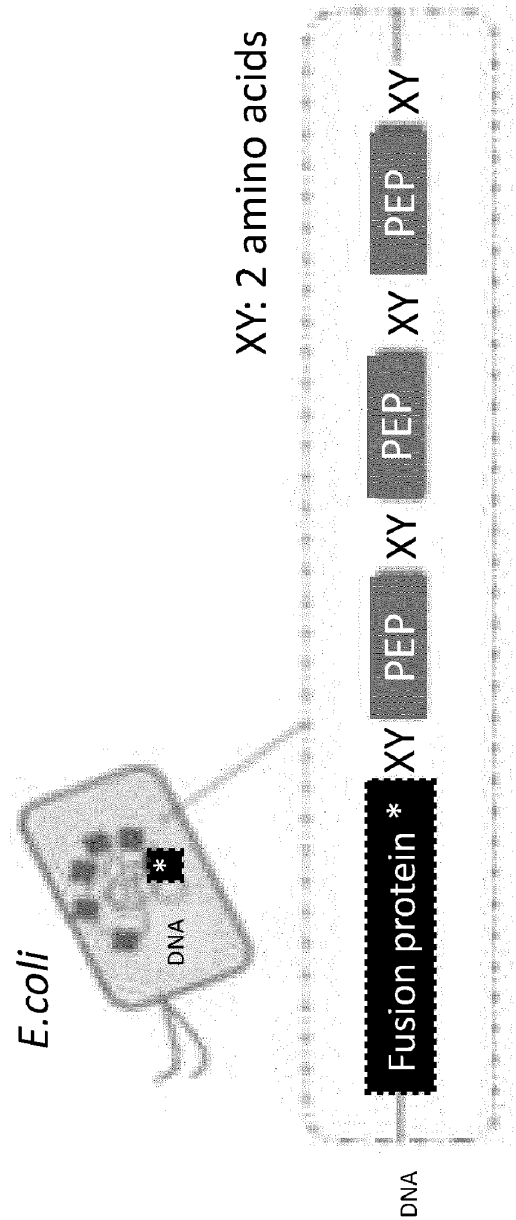


FIG. 21A

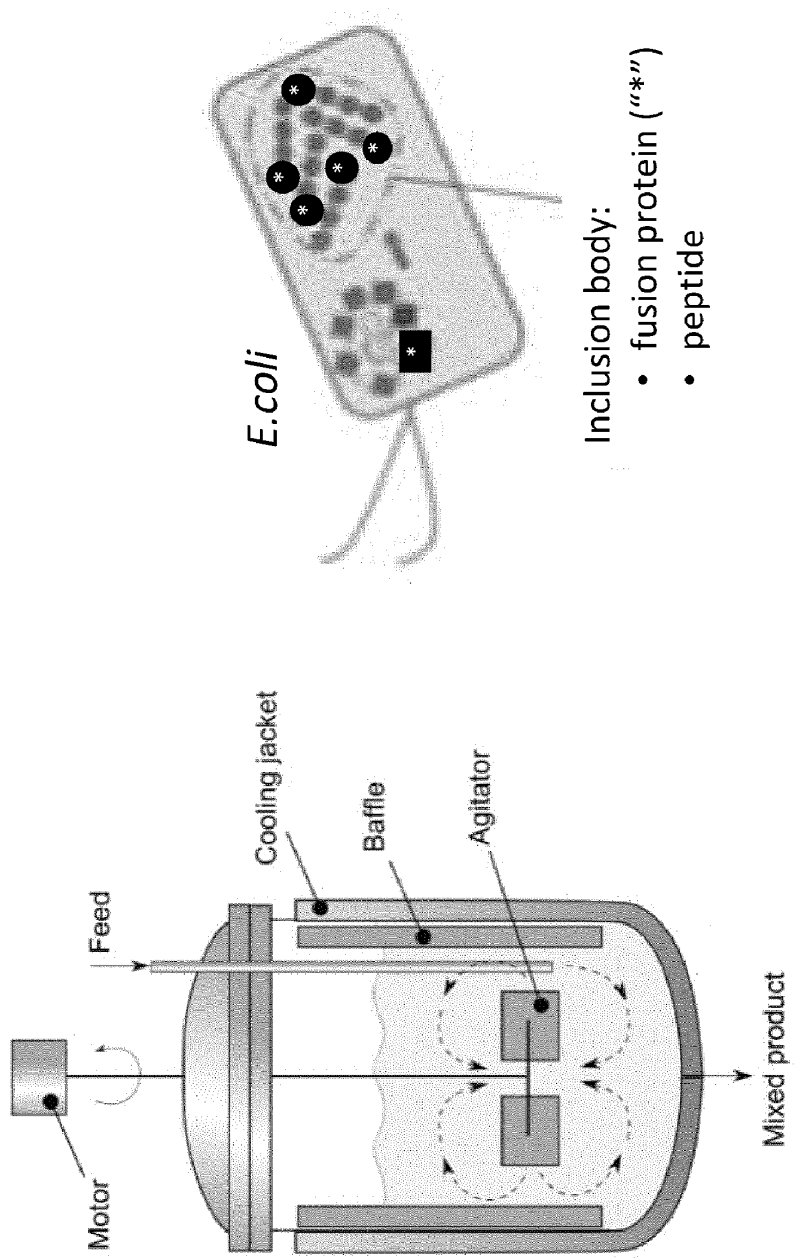


FIG. 21B