

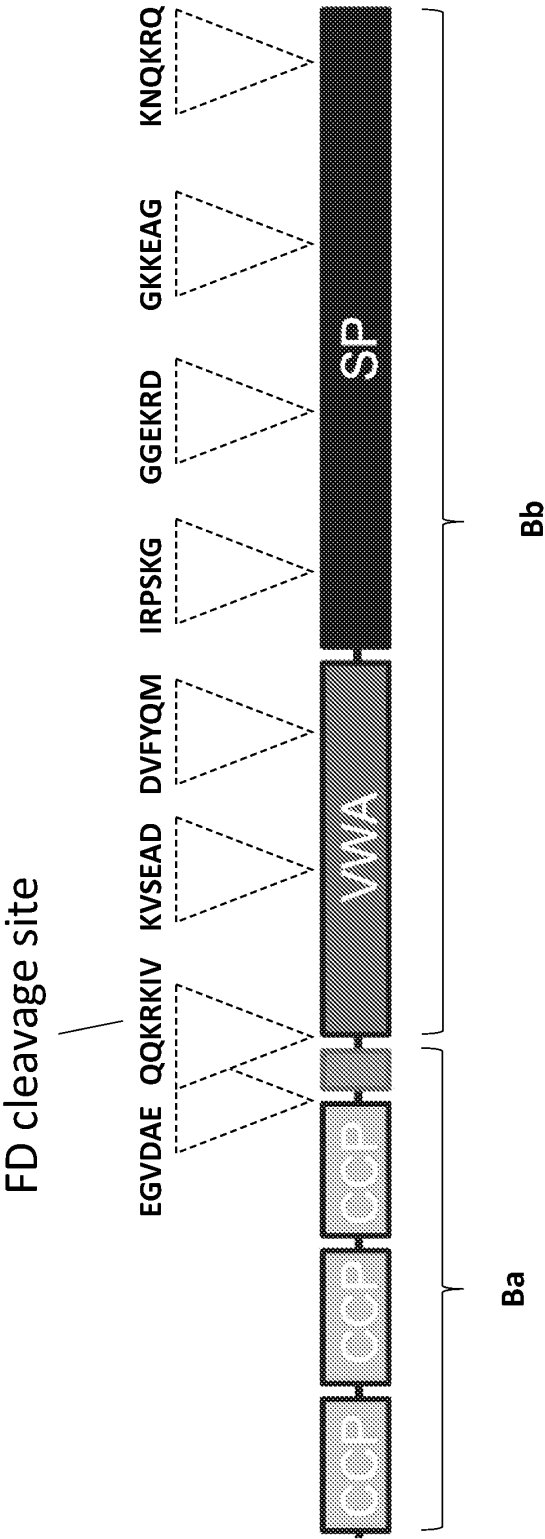


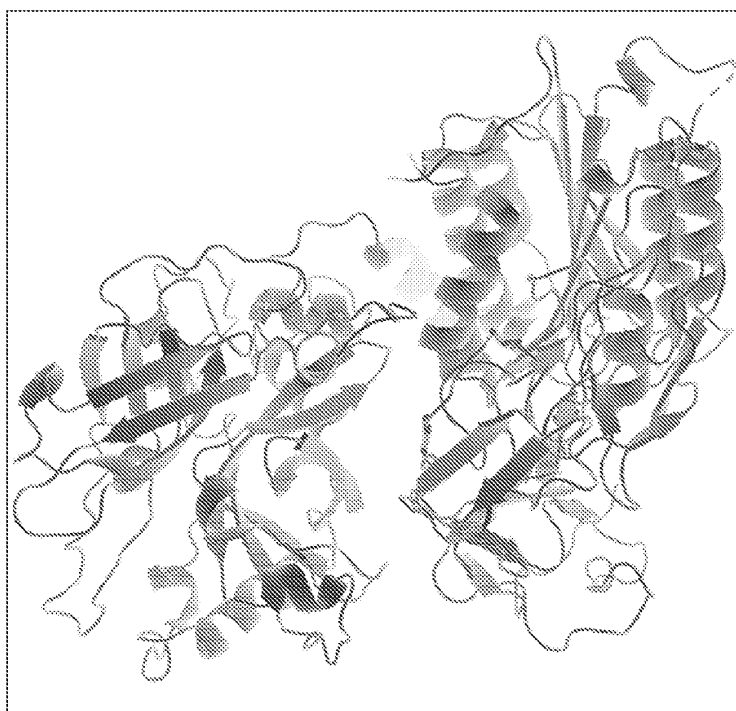
FIG. 1A

FIG. 1C



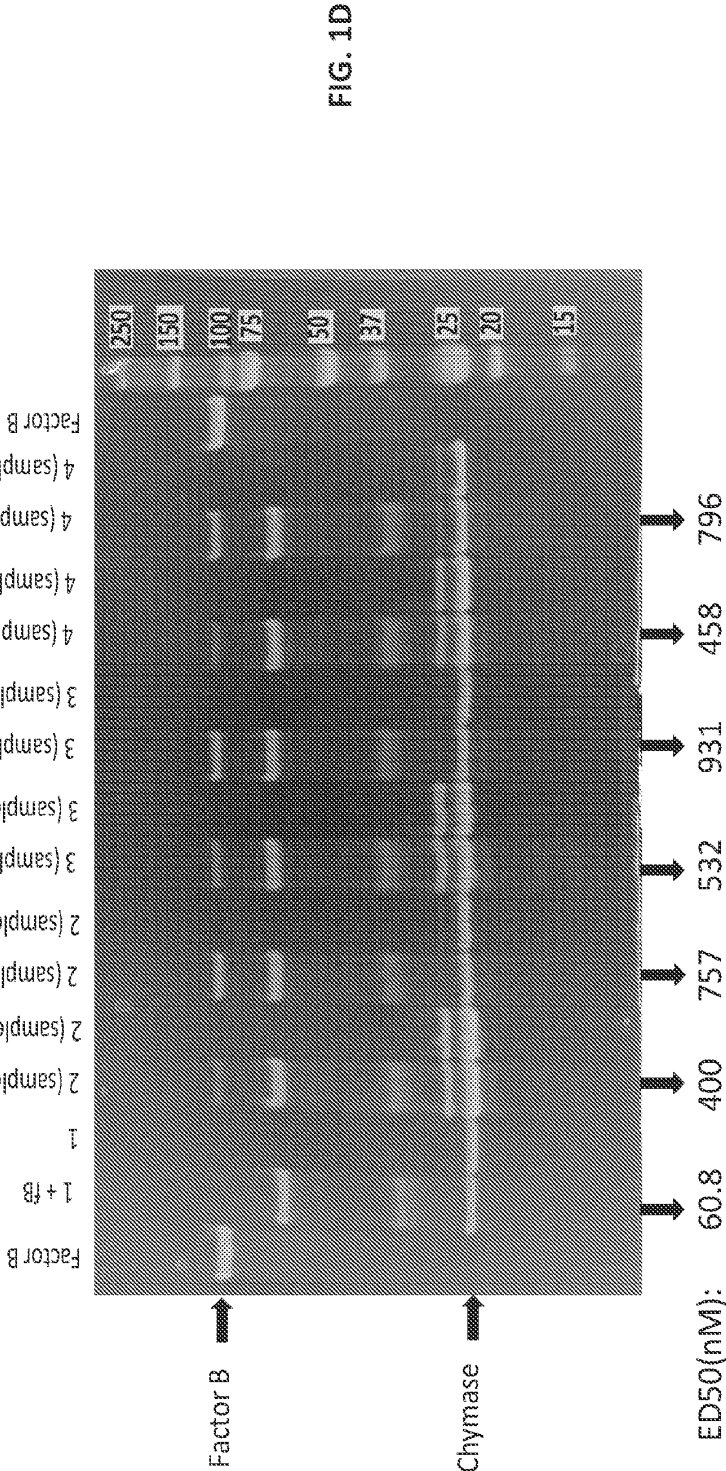
5 sec – cleavage DVFY↓QM (Y441 on surface of protein)
15 sec – cleavage at EGV↓AE (V220 is invisible in structure; i.e. highly mobile)

FIG. 1B



SUBSTITUTE SHEET (RULE 26)

Example of FB cleavage by chymase-based engineered proteases with Coomassie gel



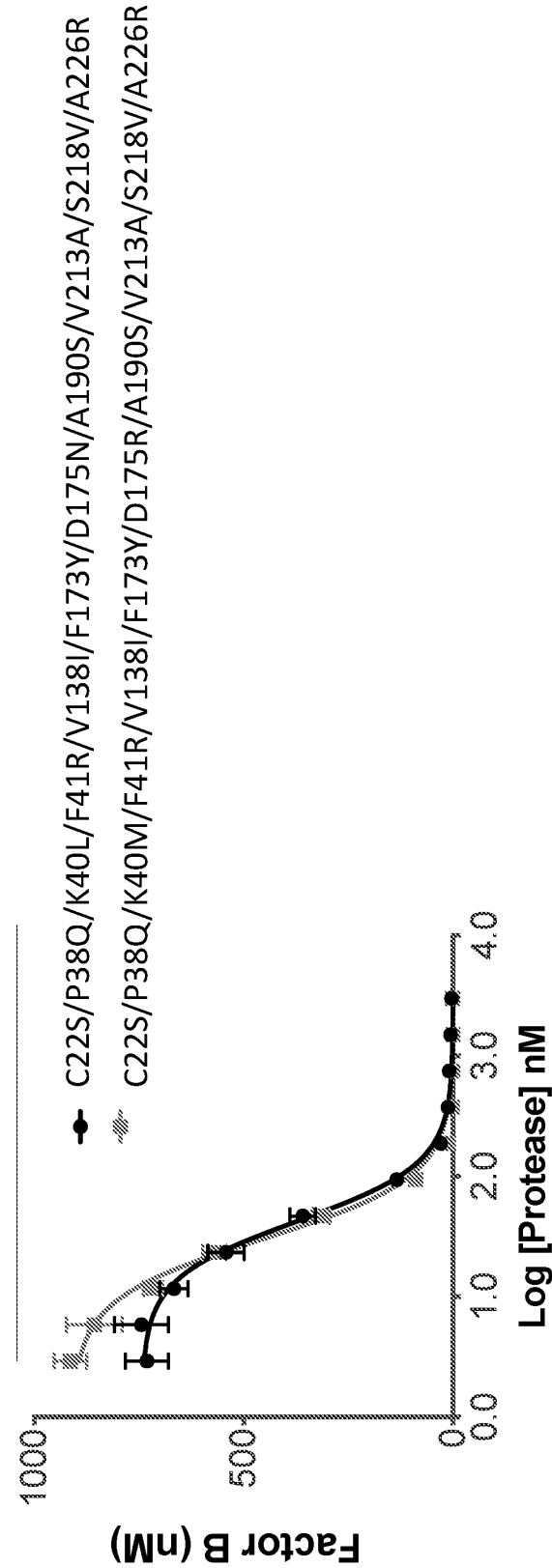


FIG. 1E

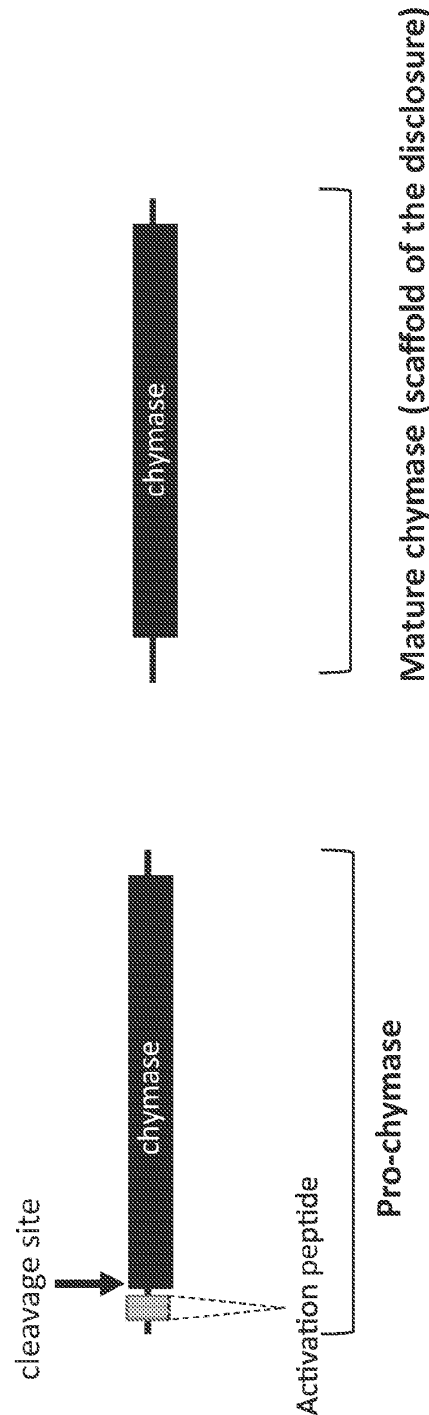


FIG. 2B

FIG. 2A

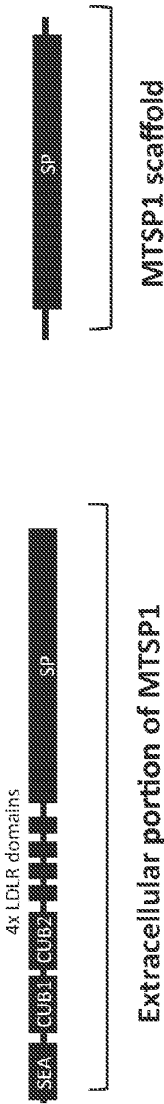


FIG. 3B

FIG. 3A

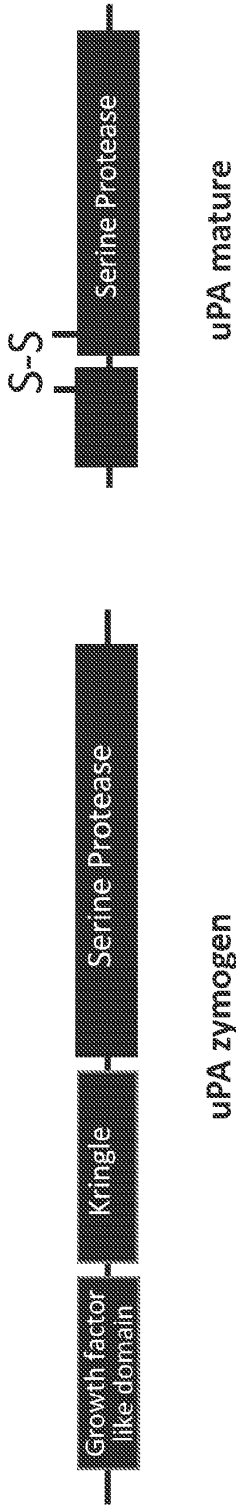


FIG. 3D

FIG. 3C

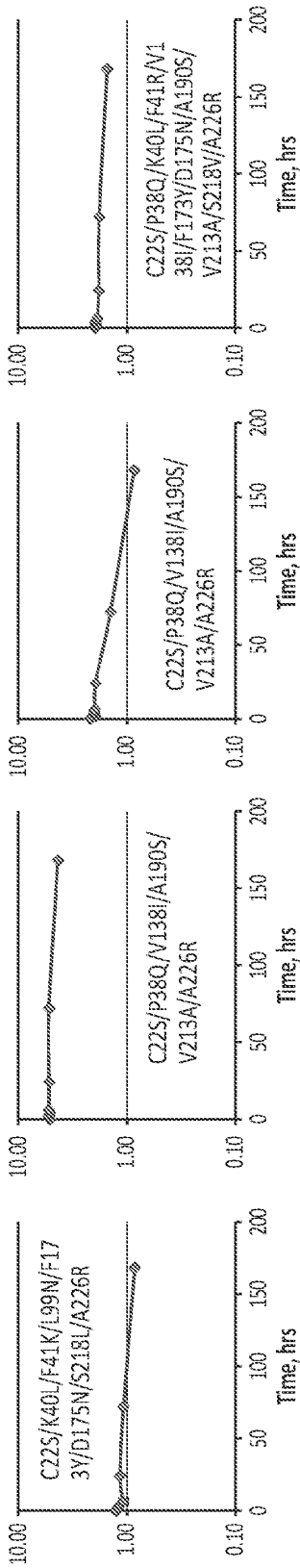


FIG. 4A

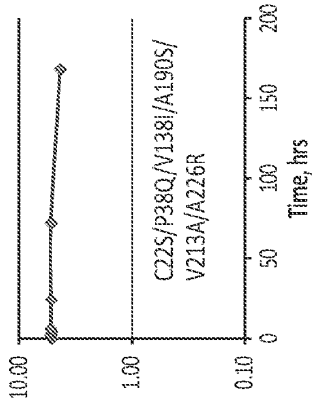


FIG. 4B

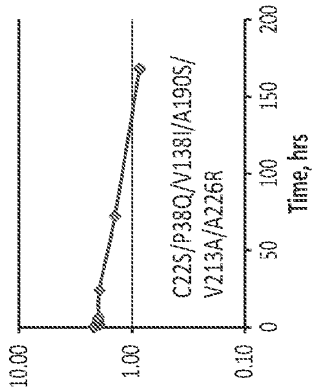


FIG. 4C

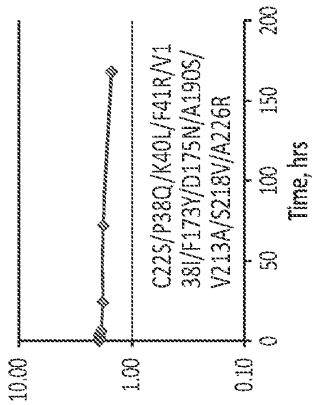


FIG. 4D

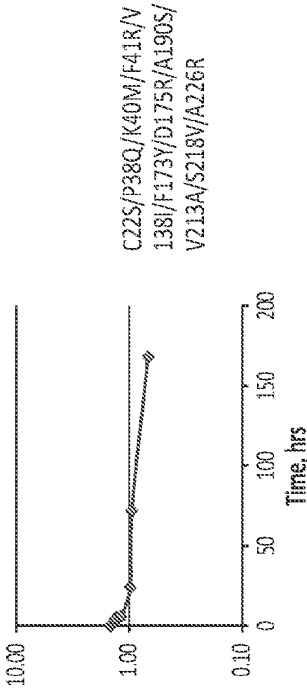


FIG. 4E

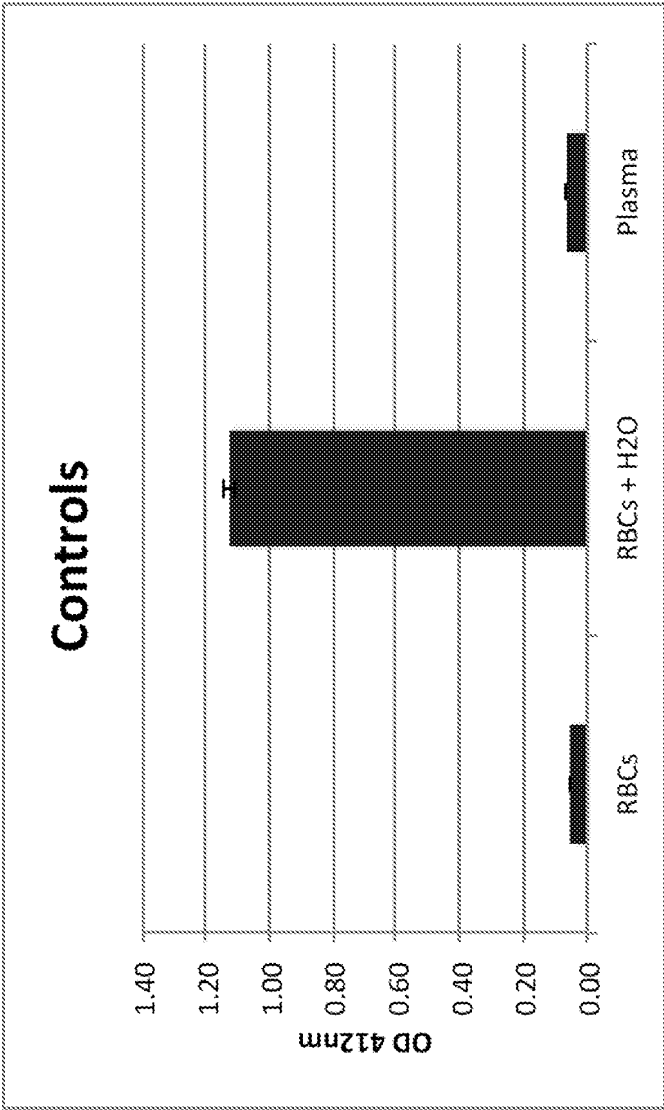


FIG. 5

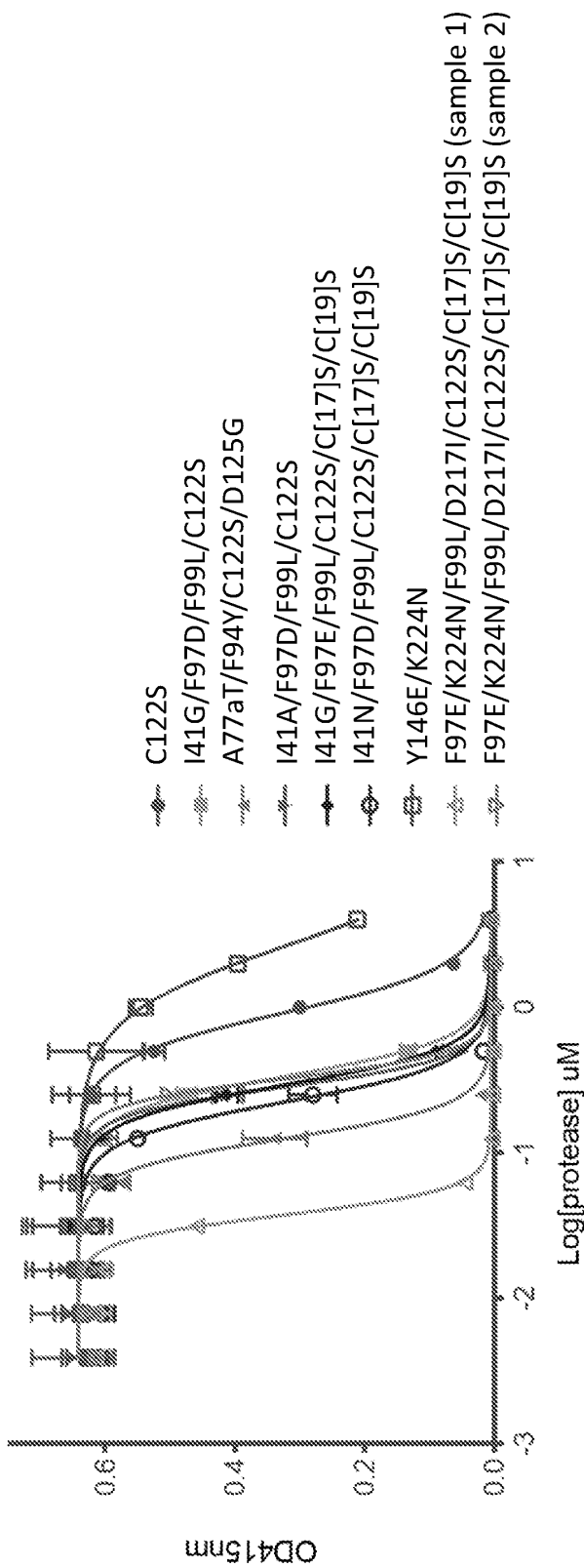


FIG. 6

Hemolysis assay with KLK5

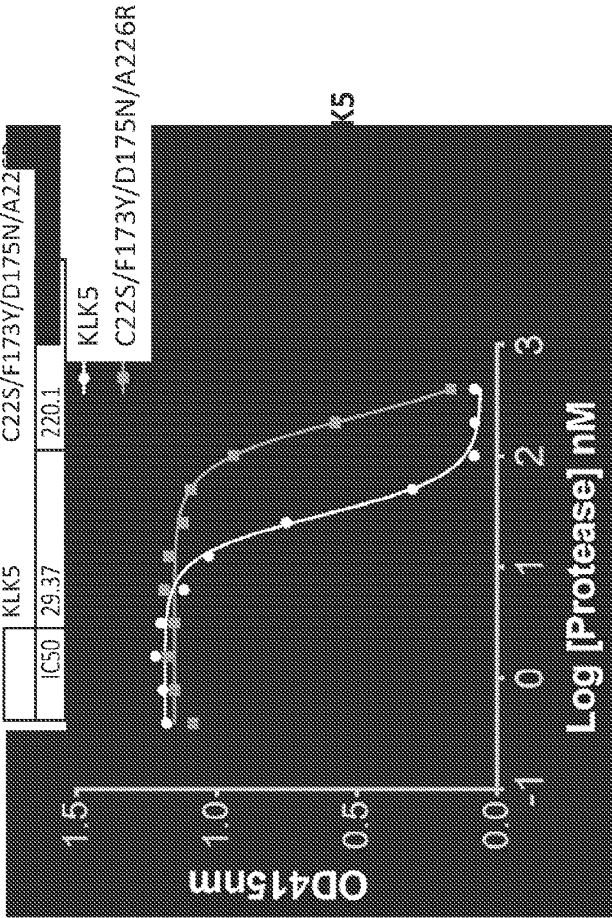


FIG. 7A

FB cleavage assay with KLK5

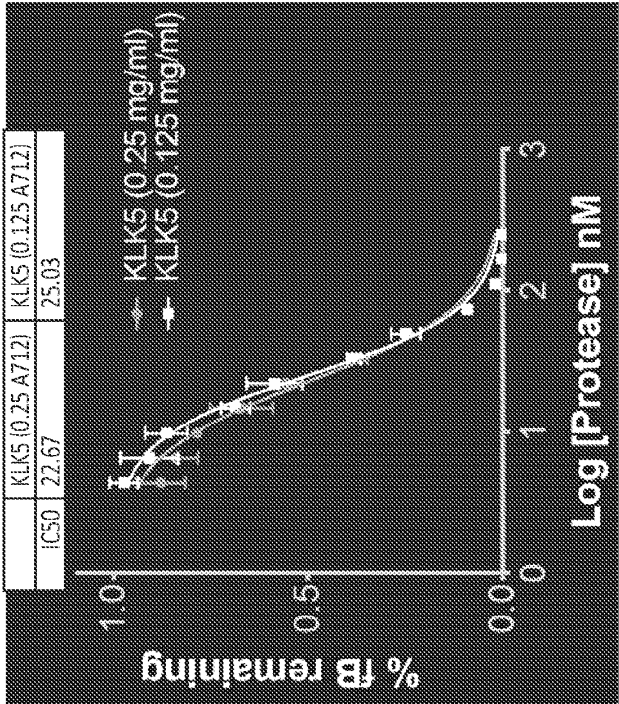


FIG. 7B

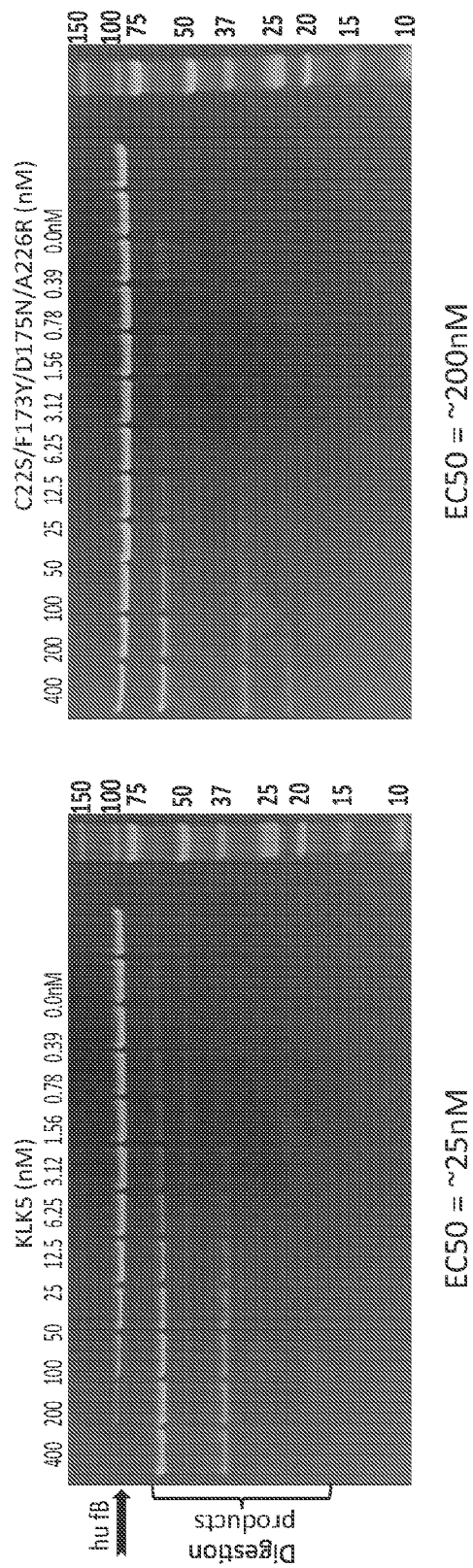


FIG. 8B

FIG. 8A

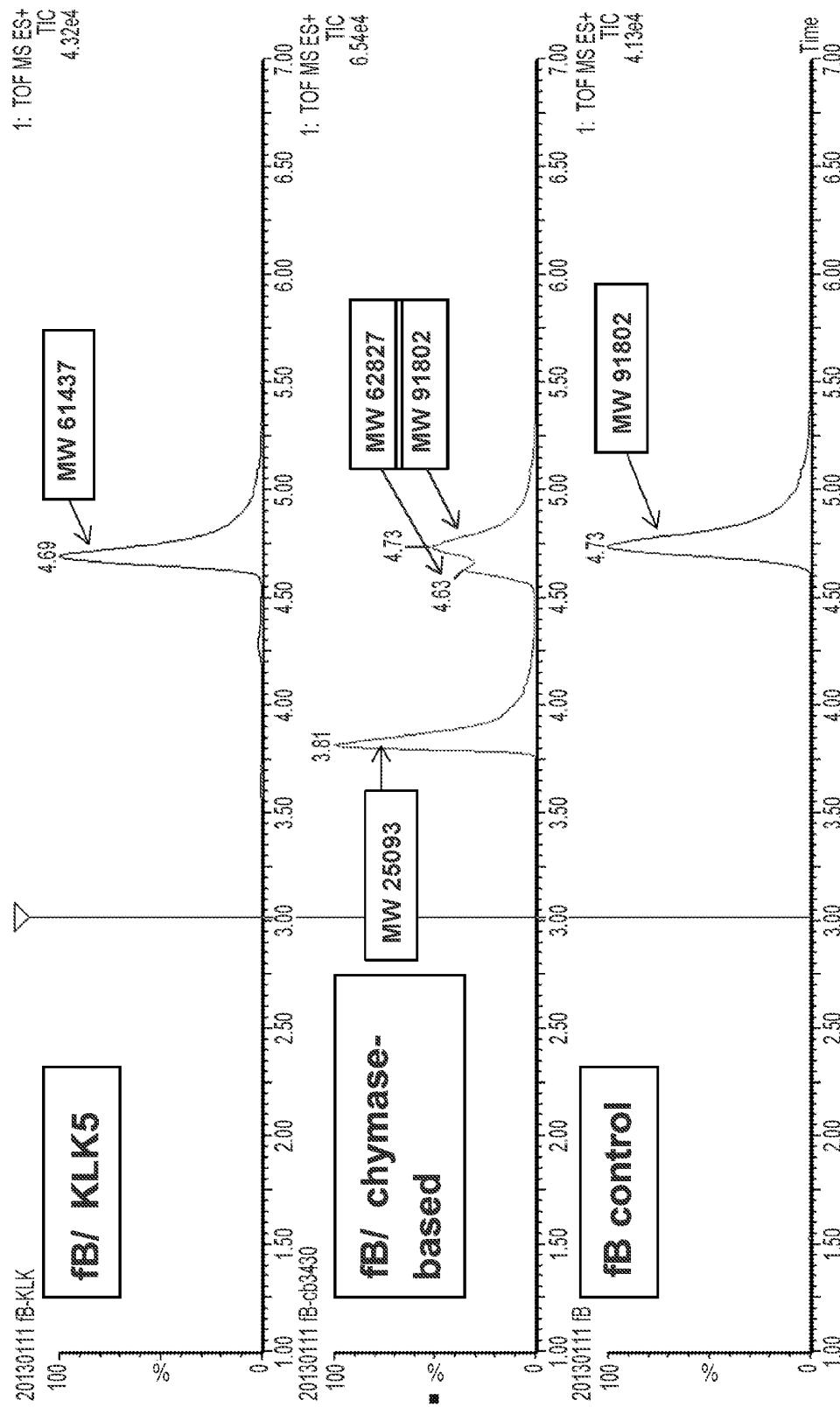


FIG. 9

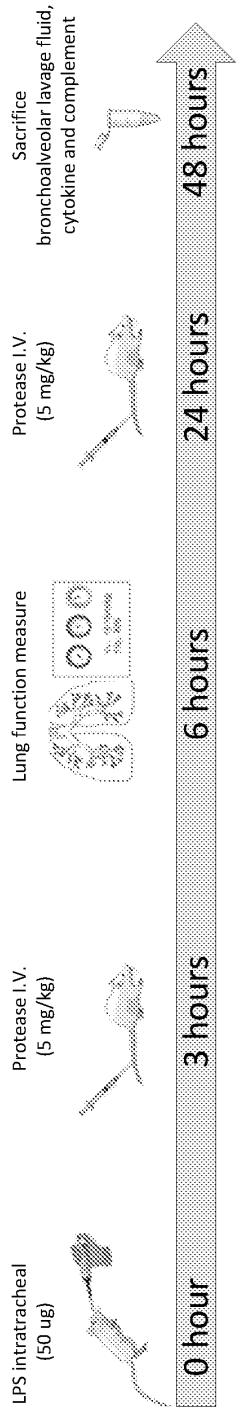
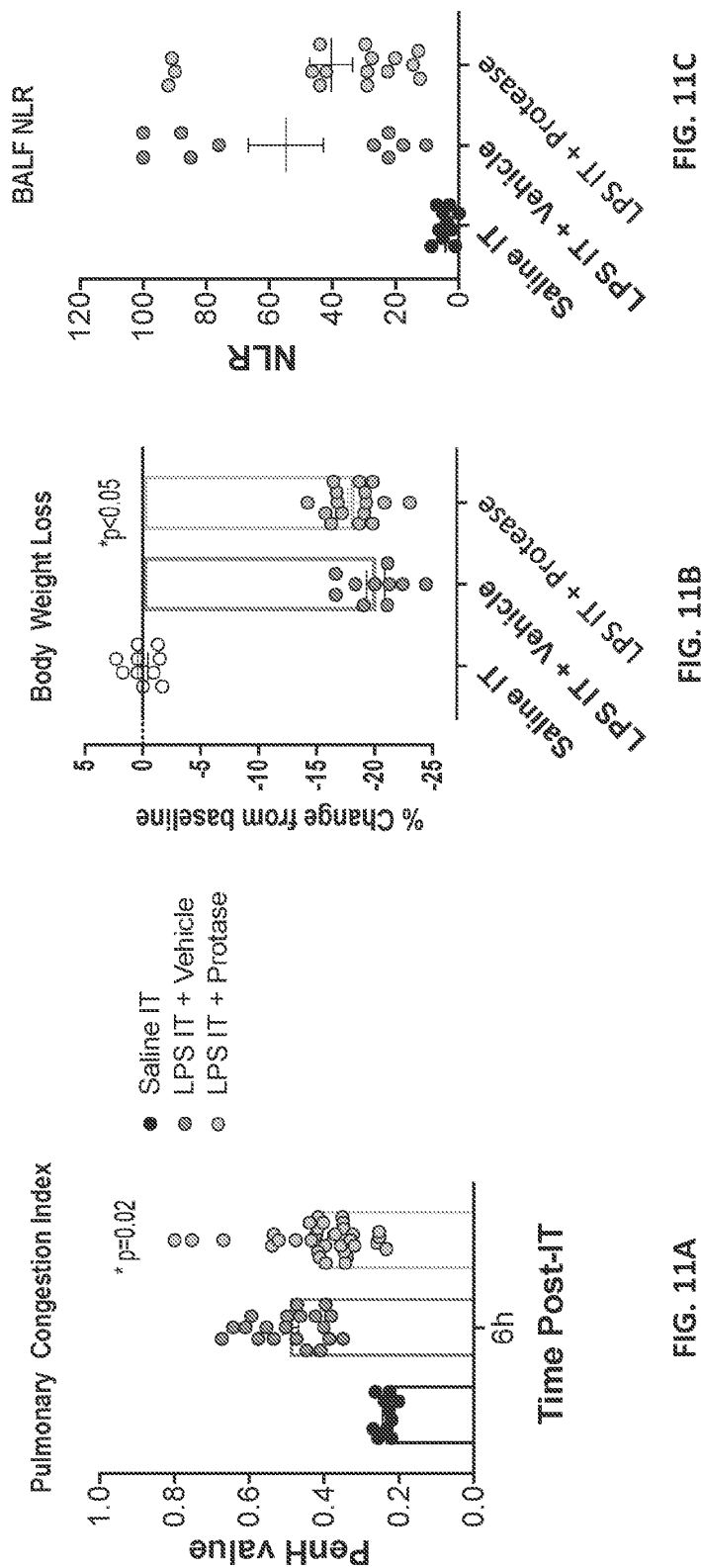
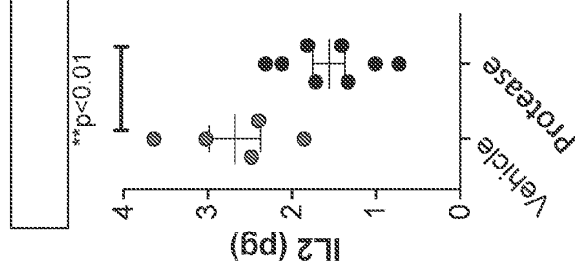
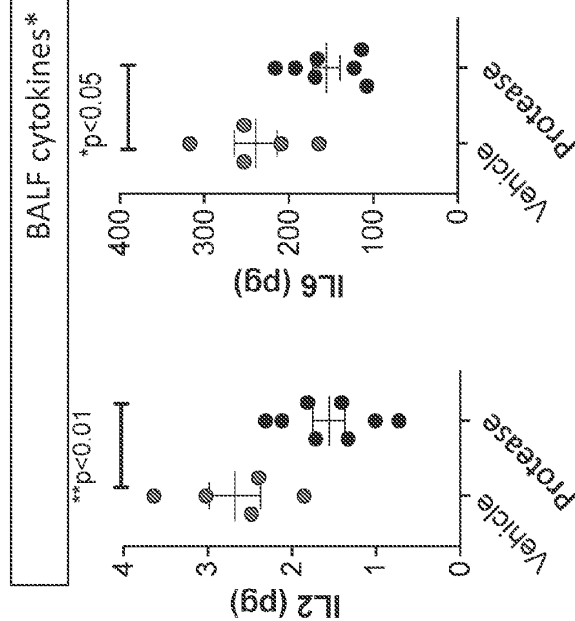
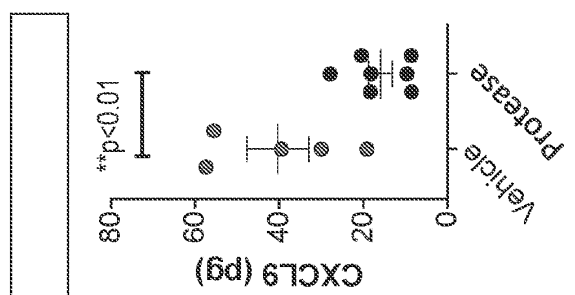
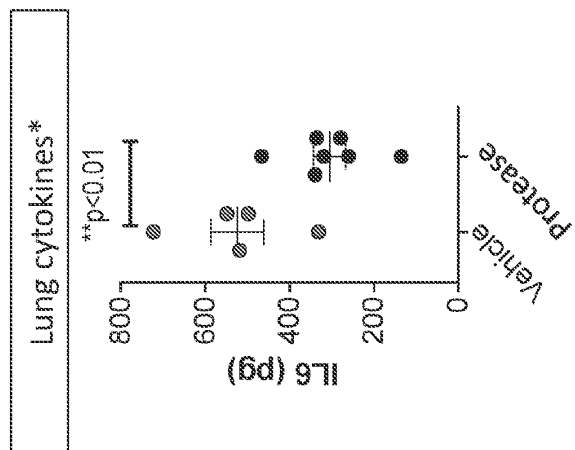


FIG. 10





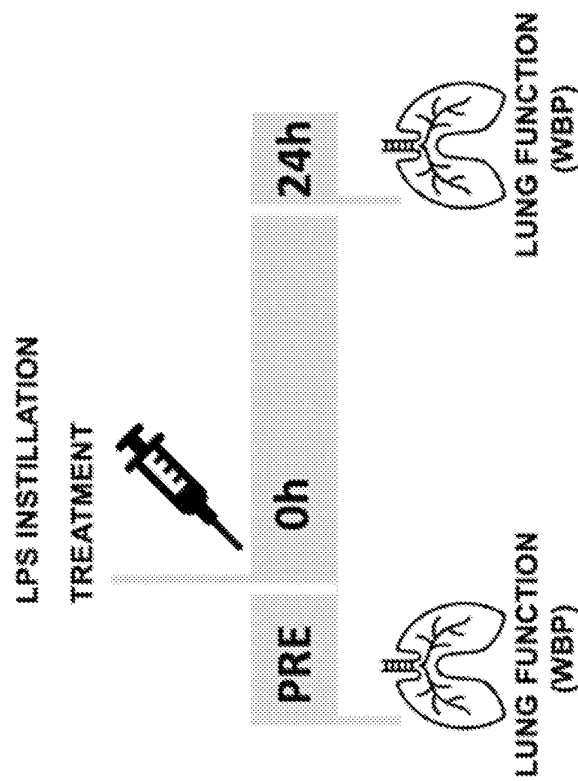
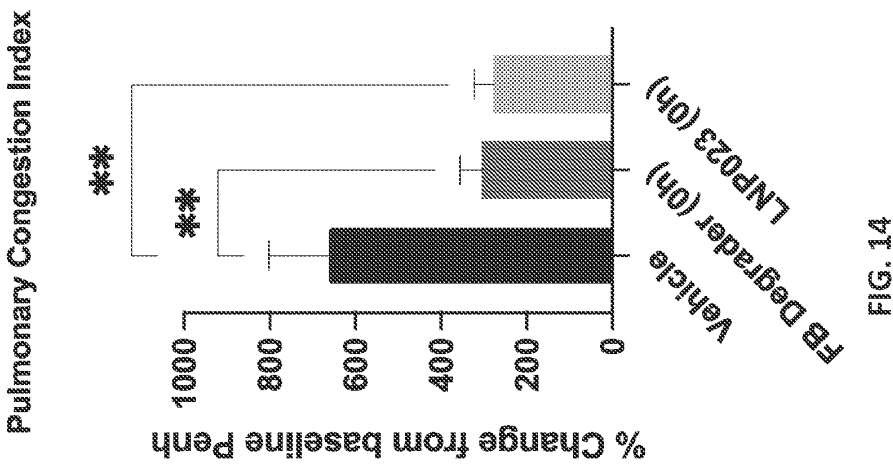


FIG. 13



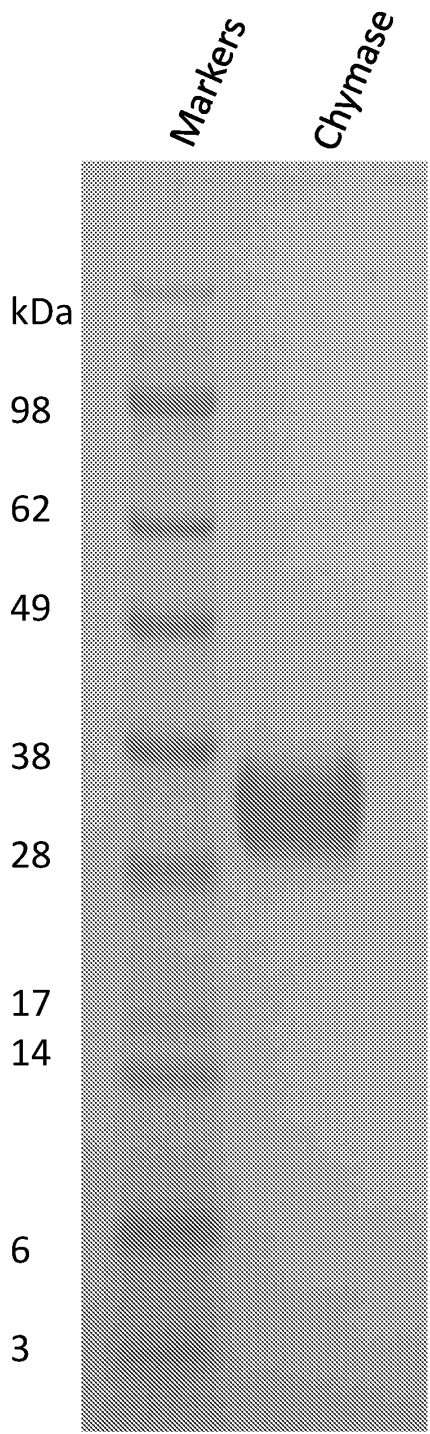


FIG. 15

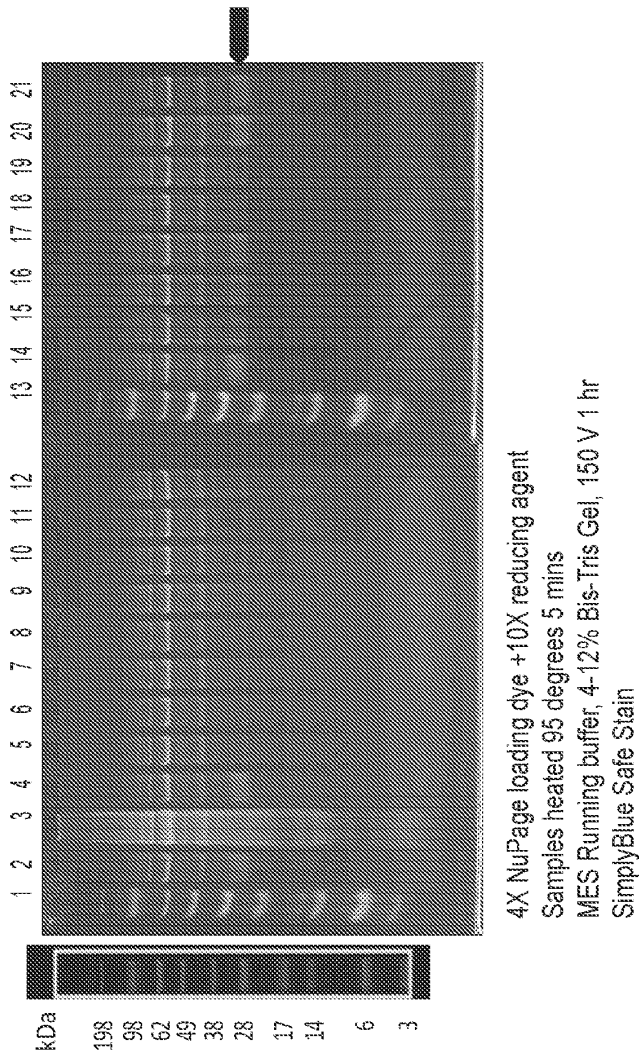


FIG. 16

Lane	MS No.	Lane	MS No.
1	Ladder	13	Ladder
2	MS 2	14	MS 10
3	MS 1	15	MS 17
4	MS 7	16	MS 13
5	MS 4	17	MS 9
6	MS 18	18	MS 3
7	MS 15	19	MS 6
8	MS 16	20	MS 14
9	MS 8	21	MS 5
10	MS 11		
11	MS 12		
12	MS 19		

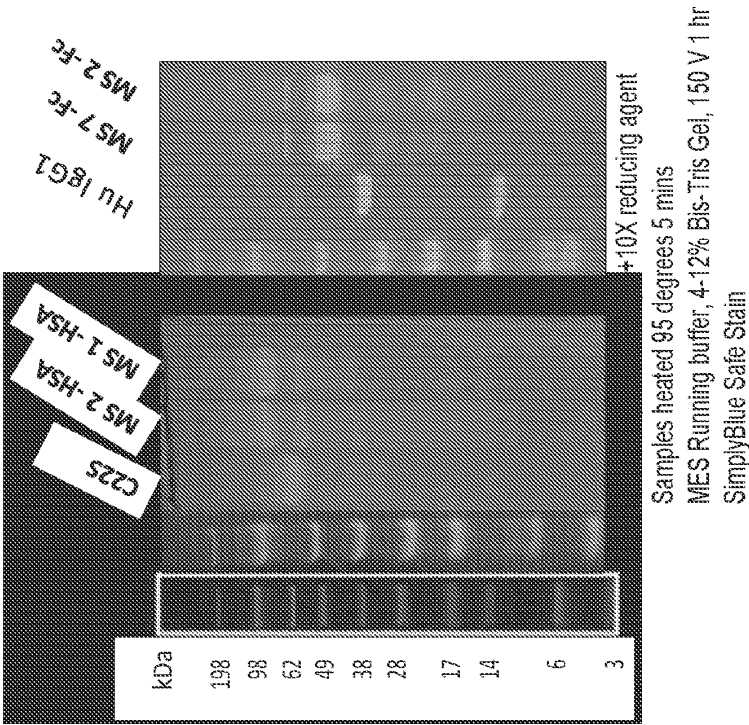


FIG. 17