

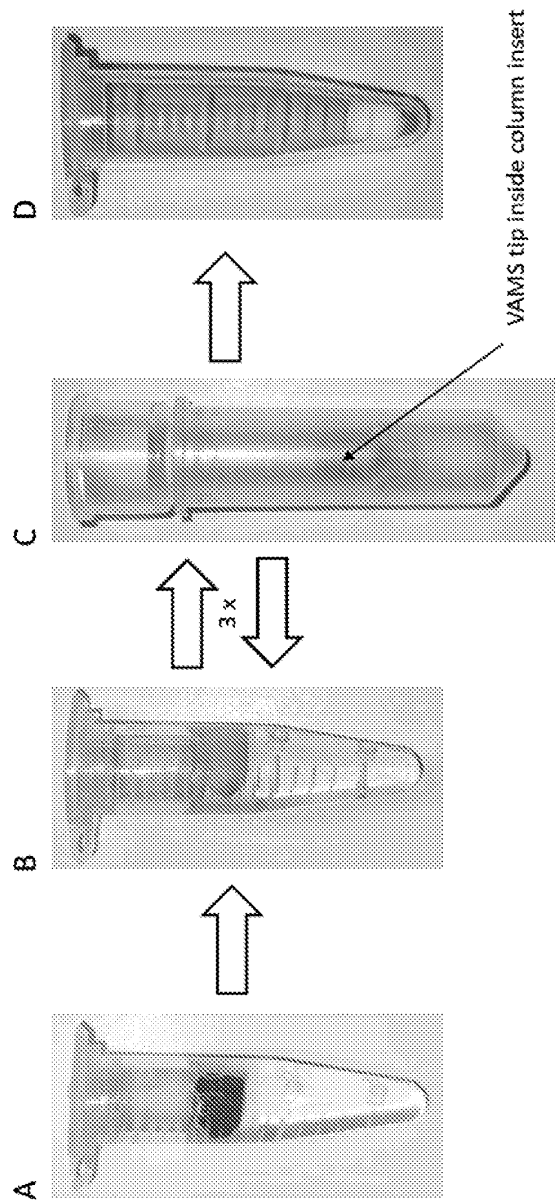


FIG. 1

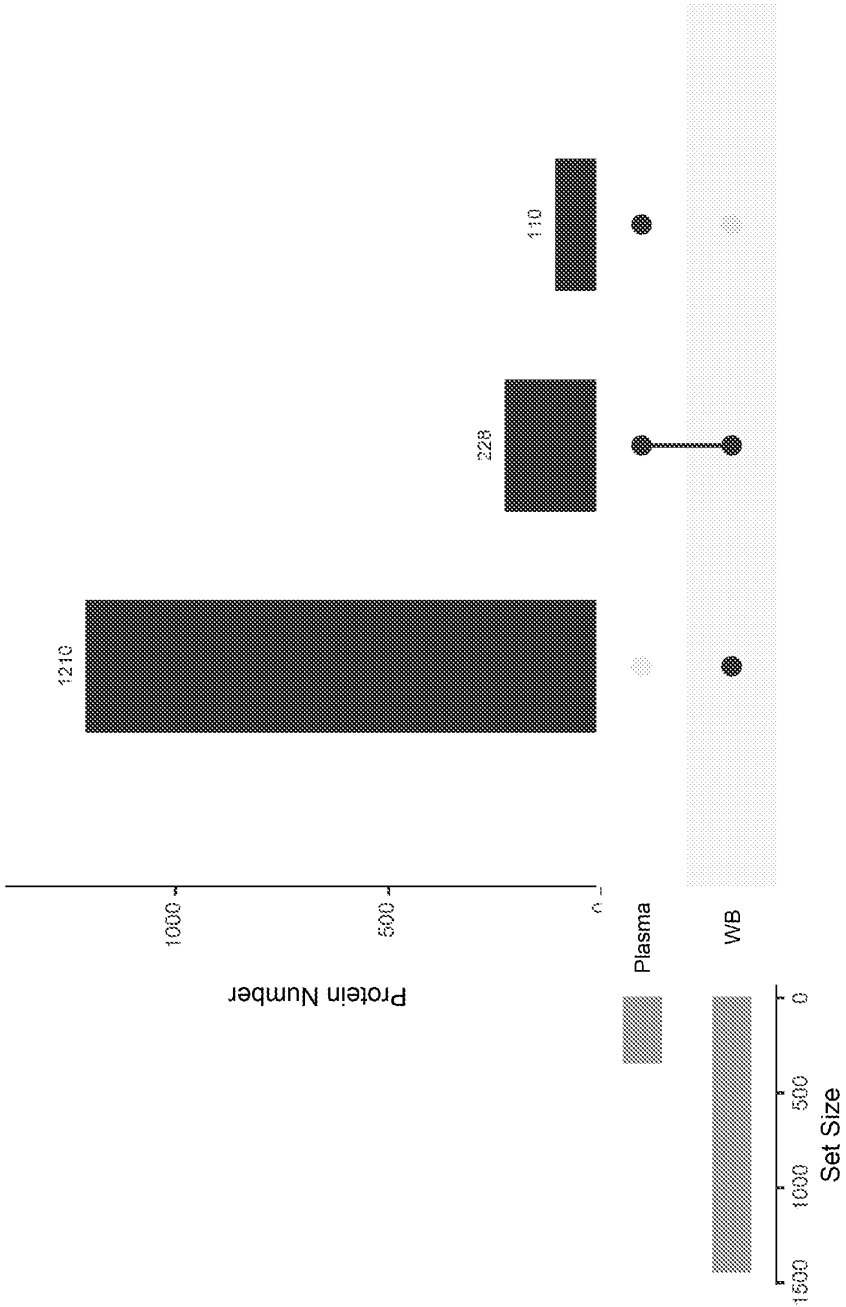
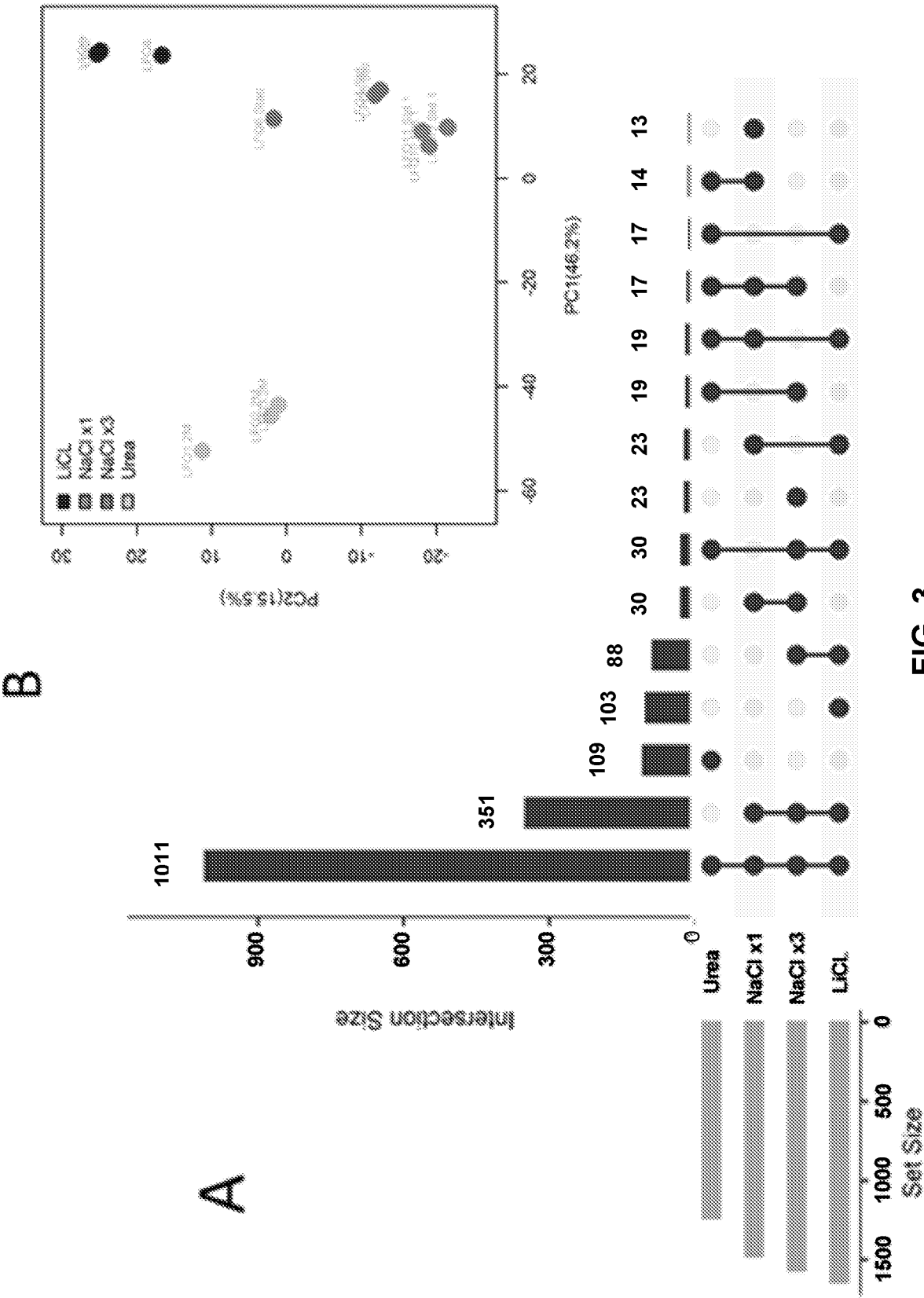


FIG. 2



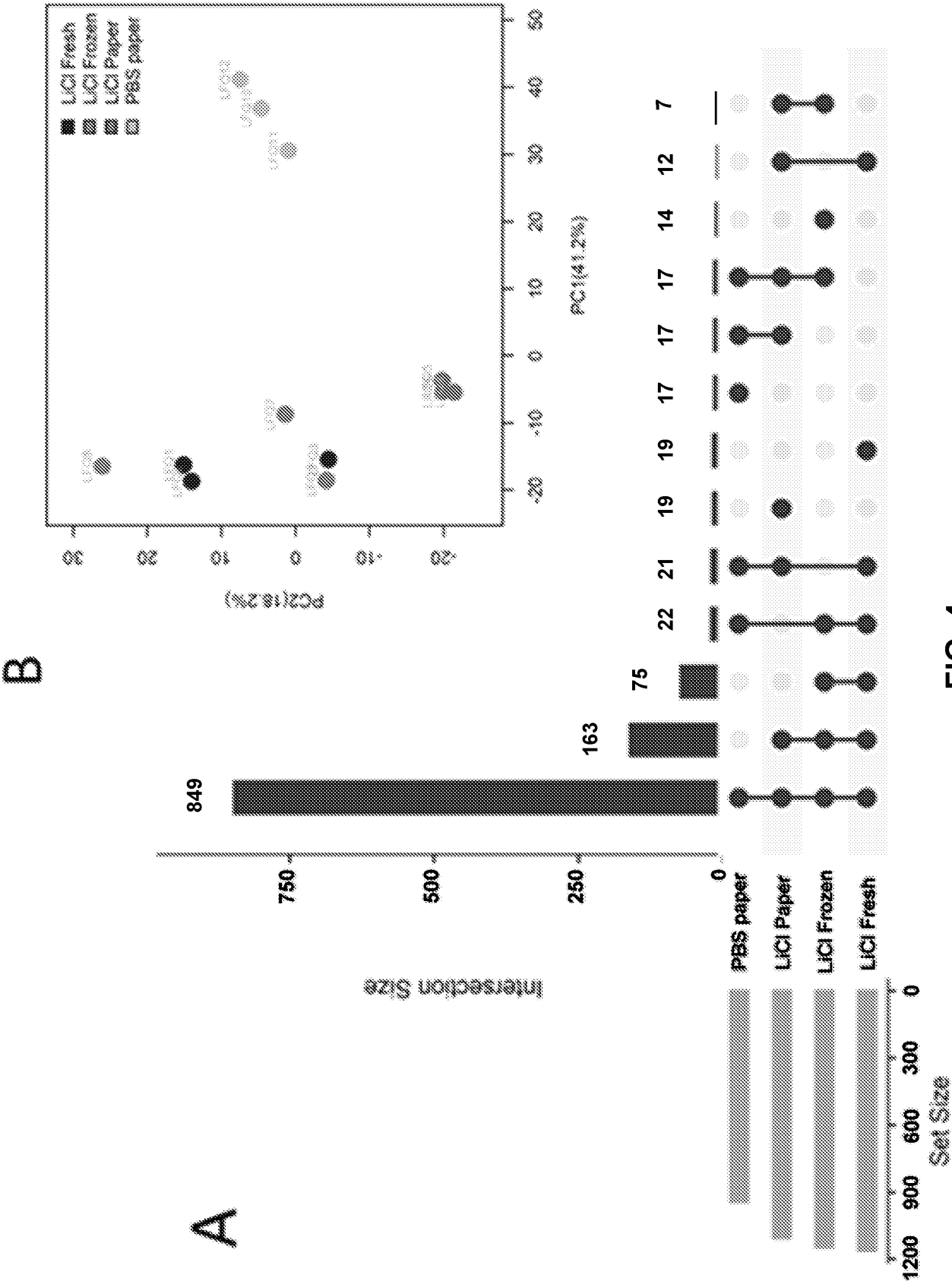


FIG. 4

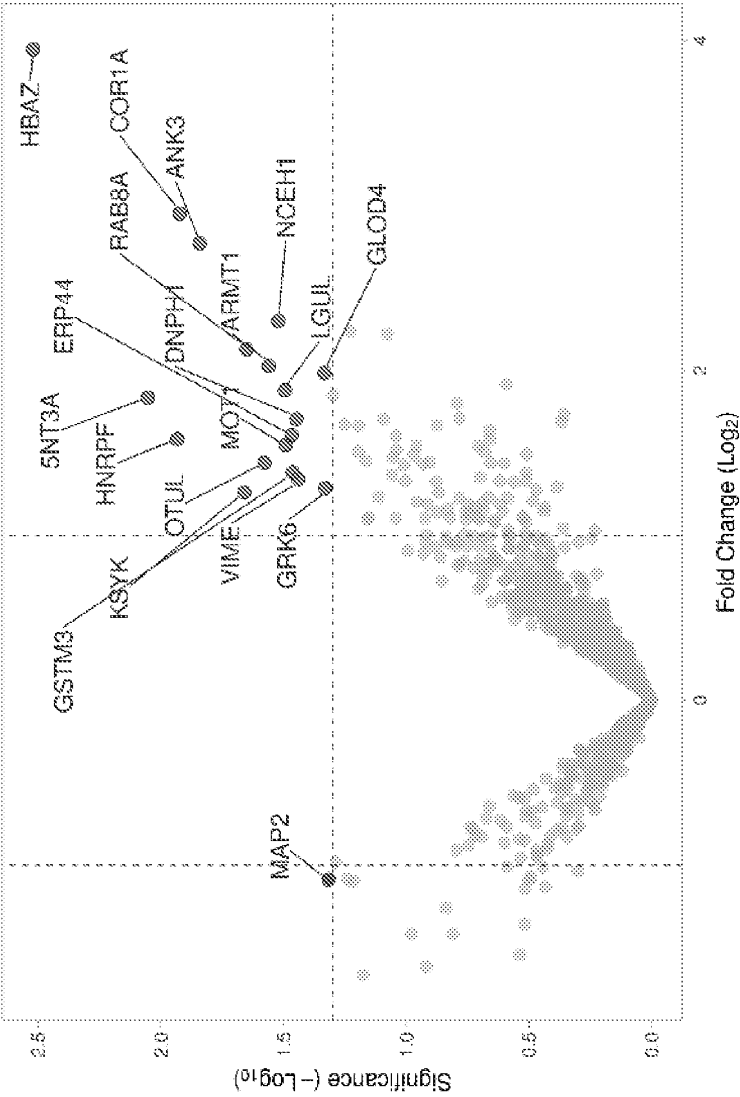


FIG. 5

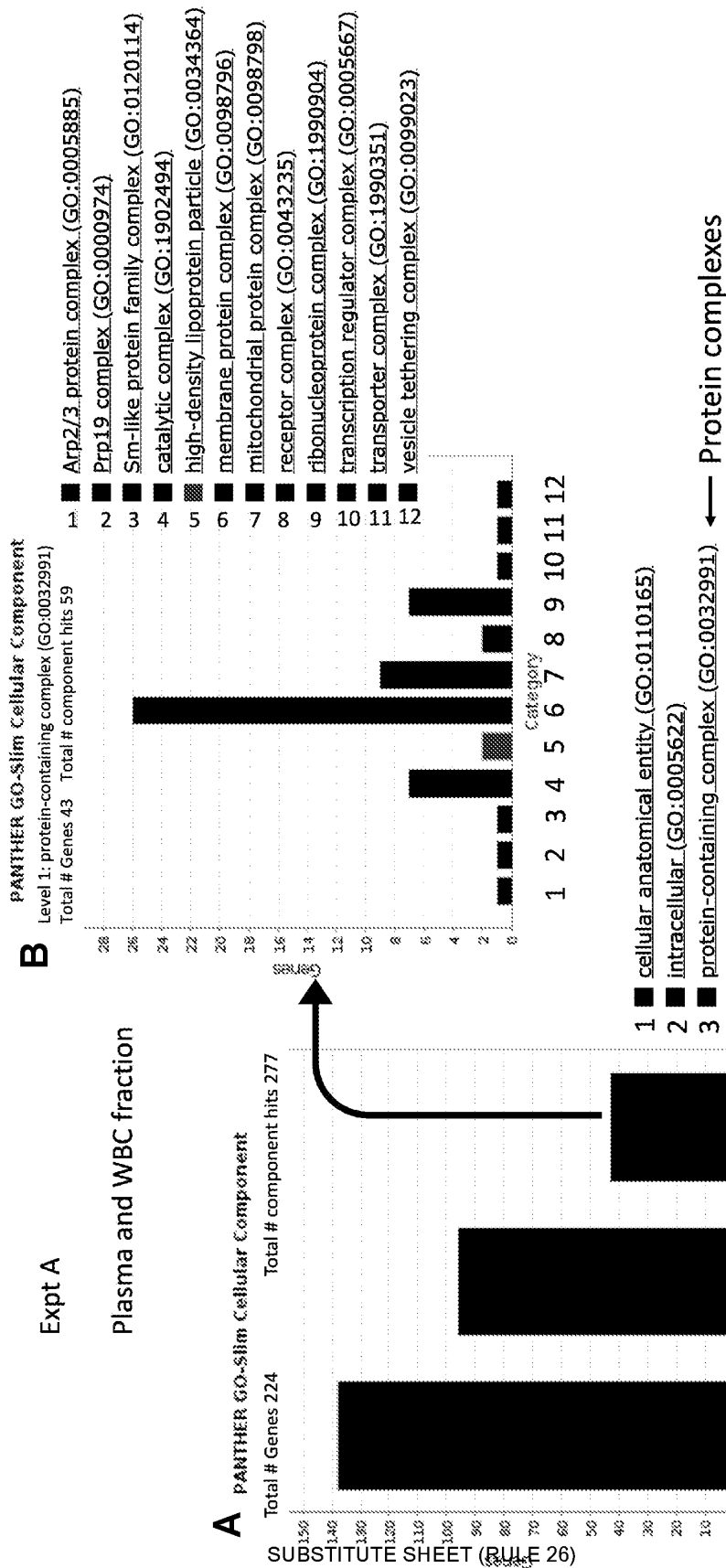


FIG. 6

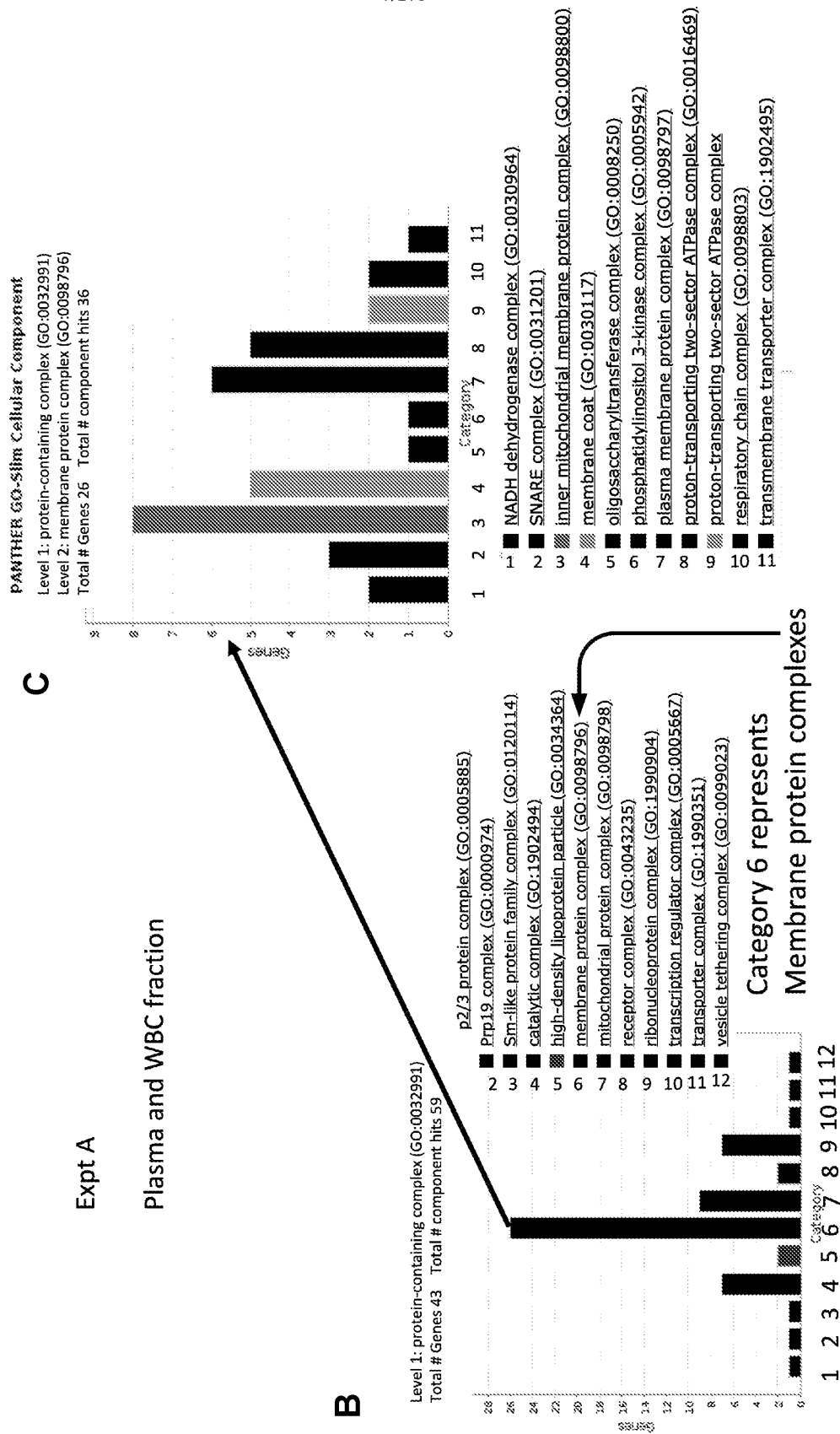


FIG. 6, Continued

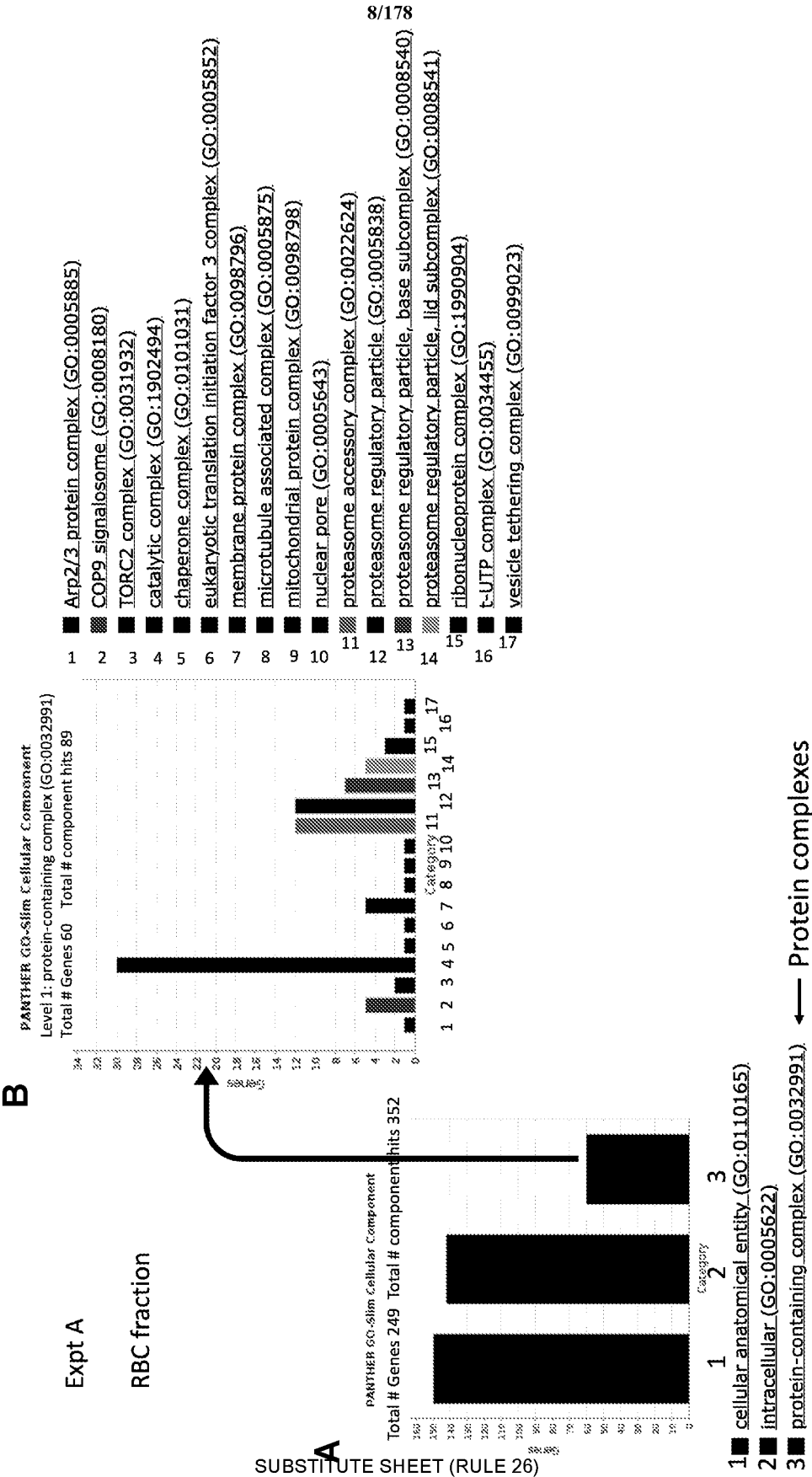


FIG. 7

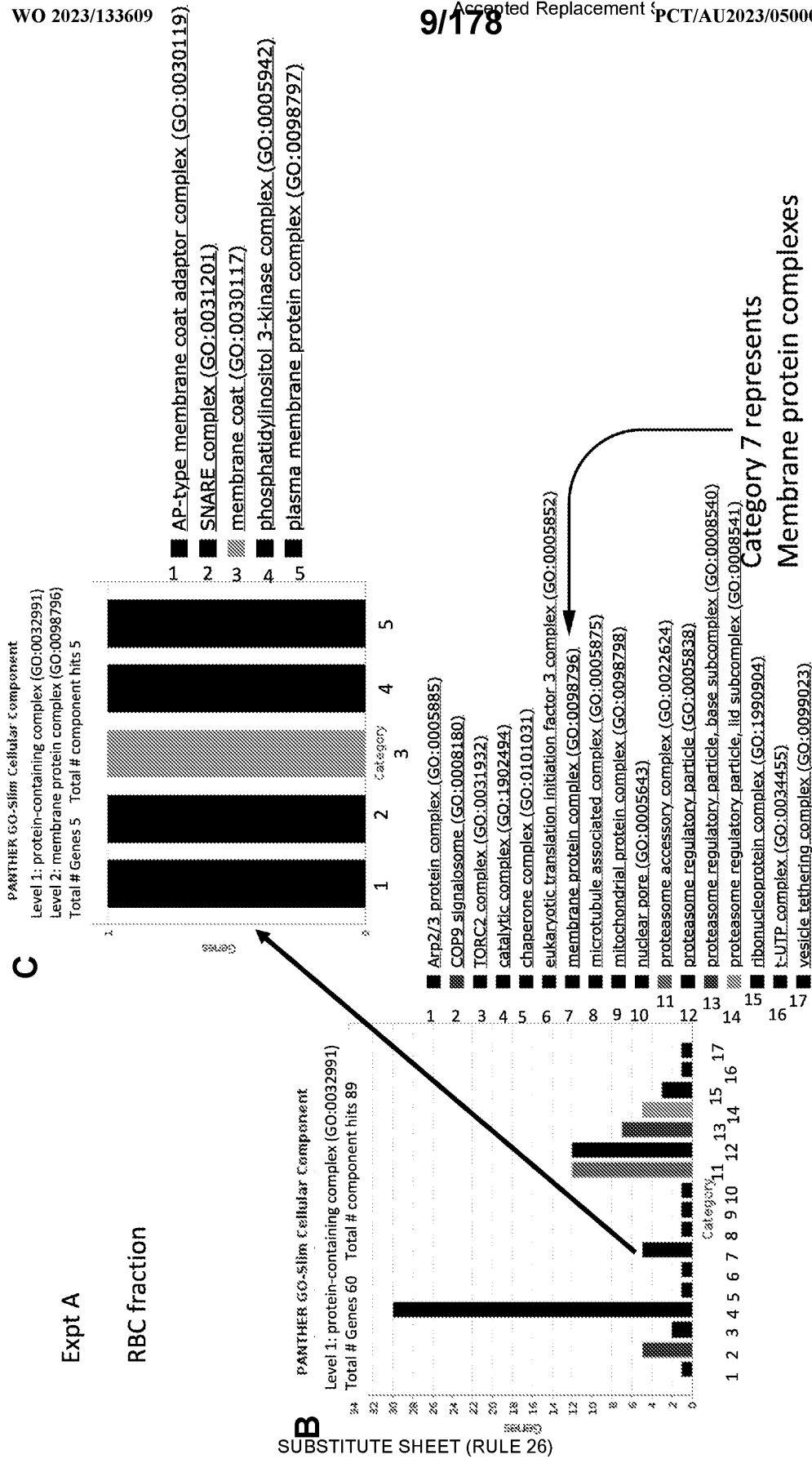
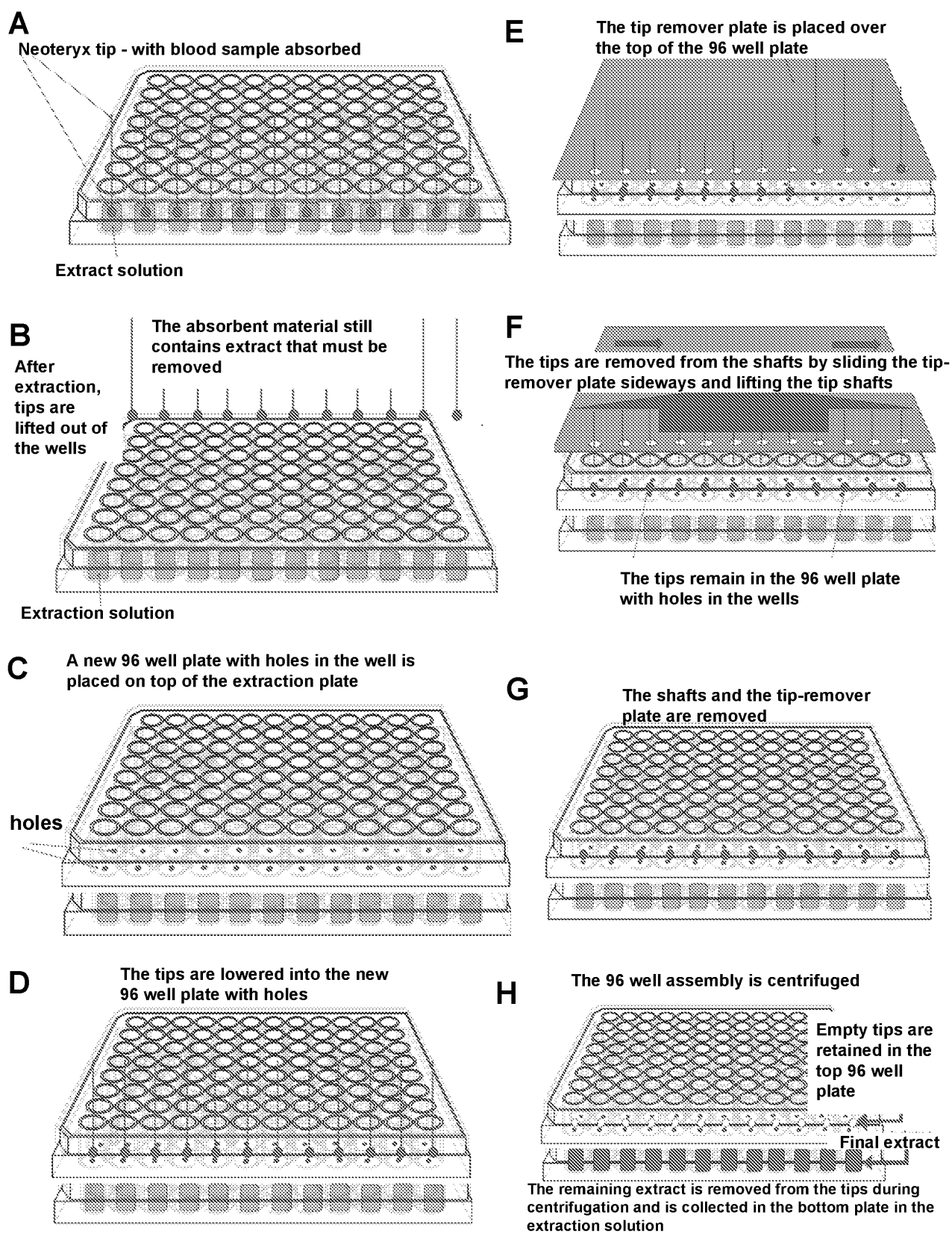


FIG. 7, Continued

FIG. 8
SUBSTITUTE SHEET (RULE 26)

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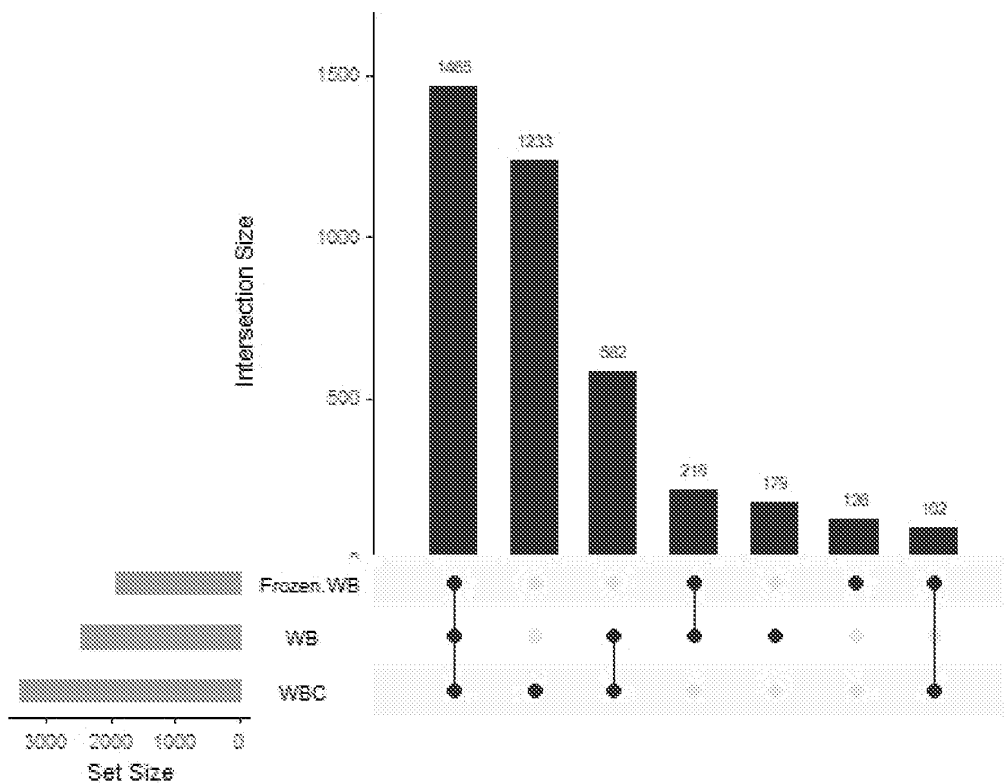


FIG. 9

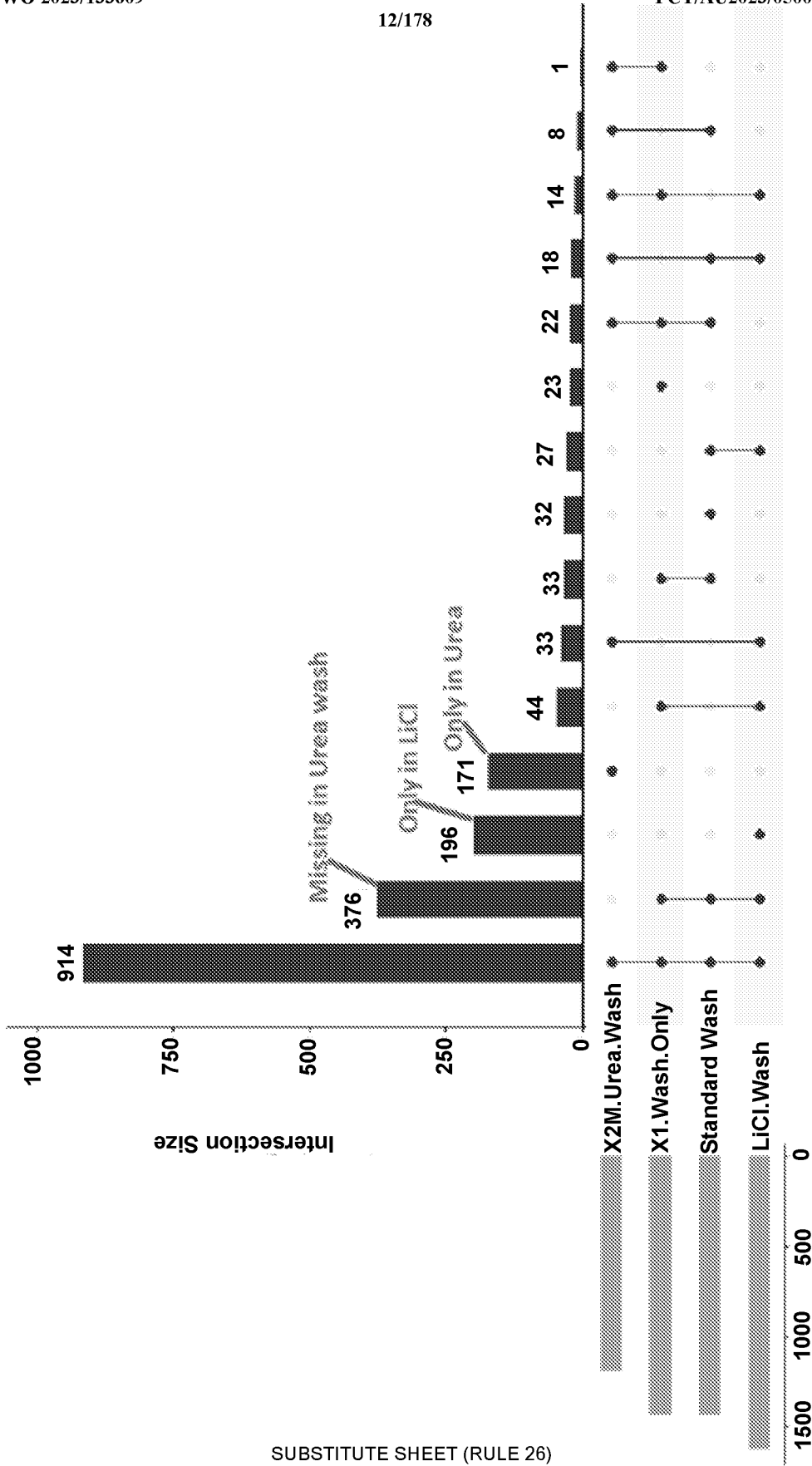


FIG. 10

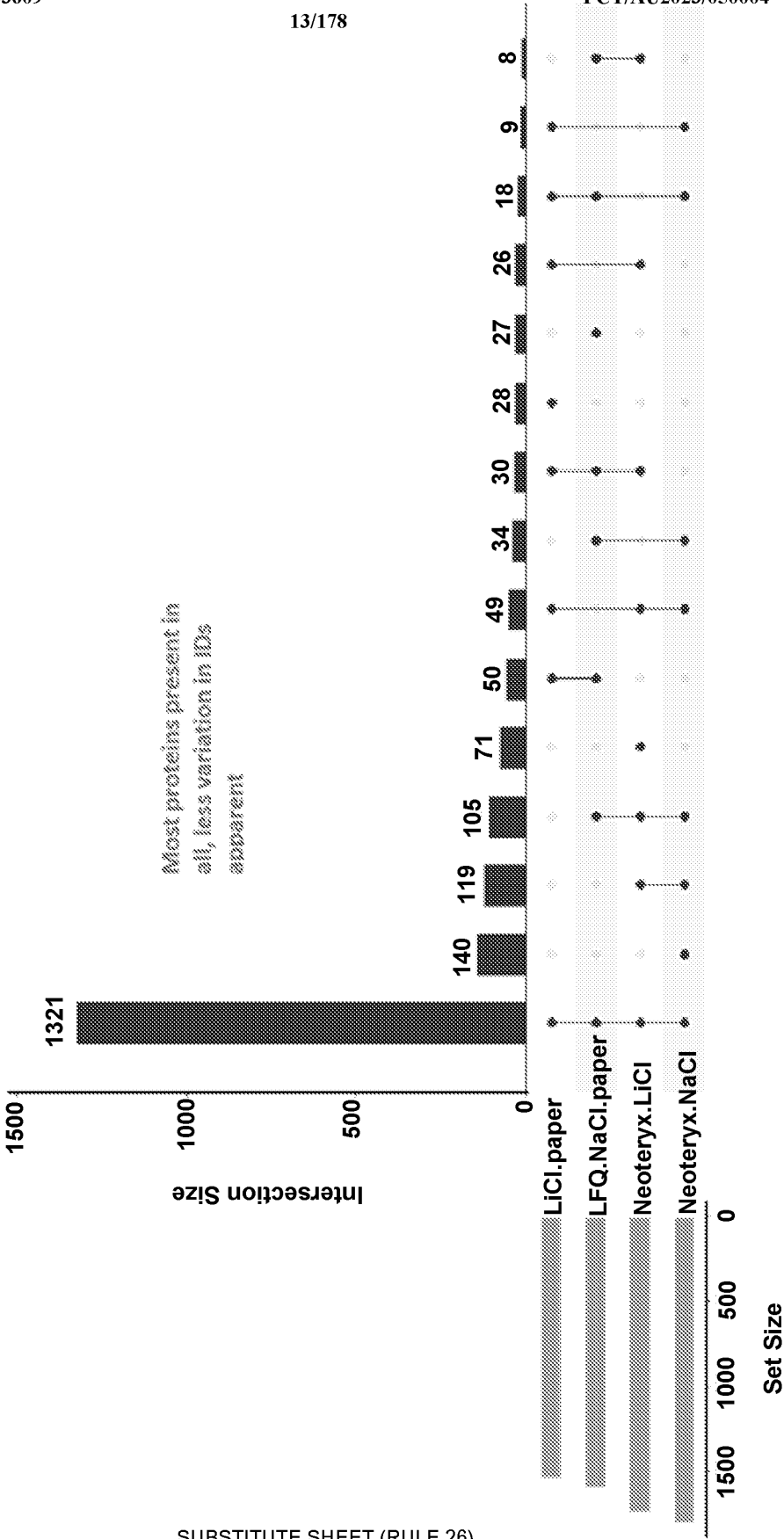


FIG. 11

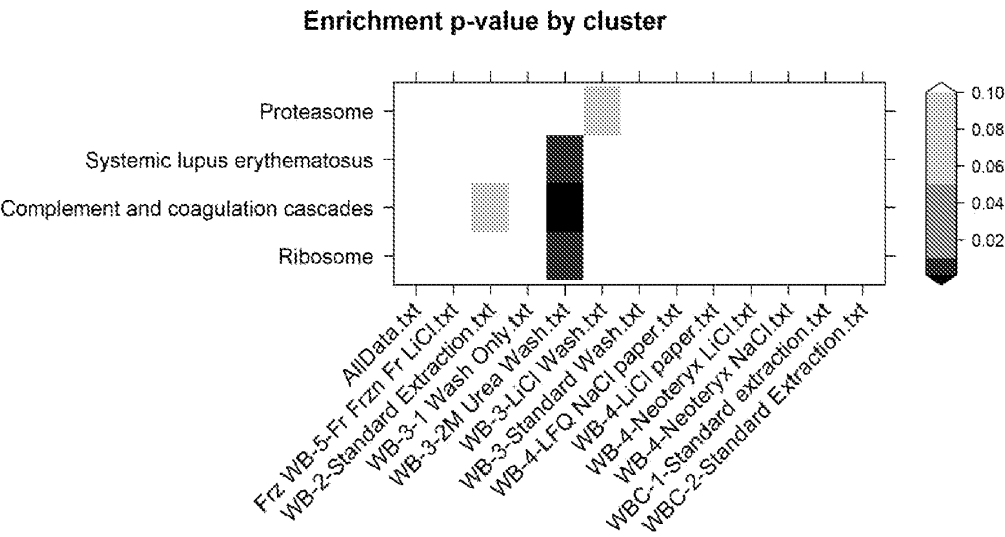


FIG. 12

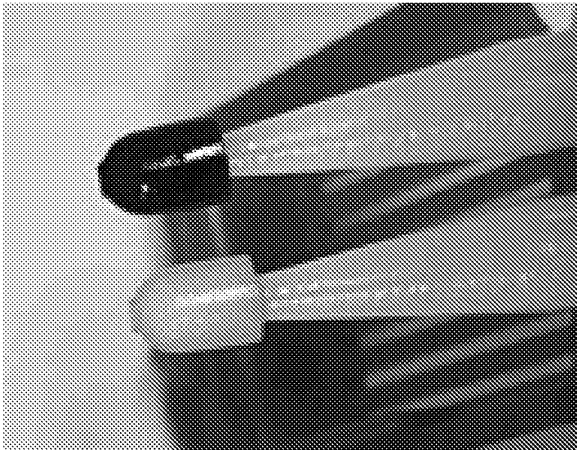


FIG. 15

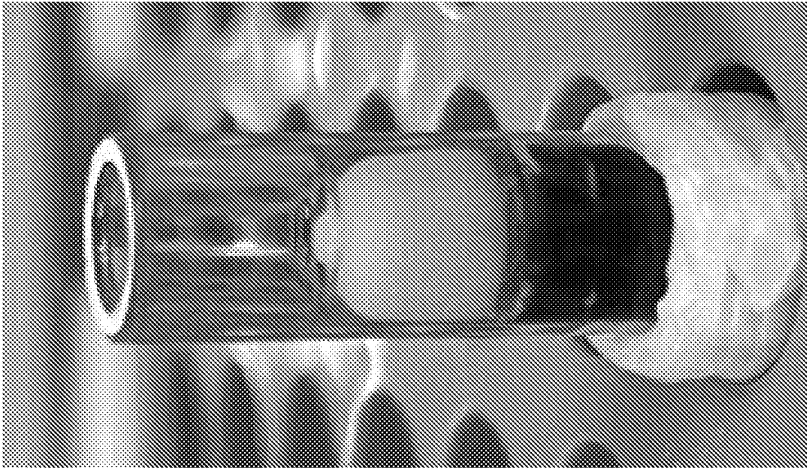


FIG. 14

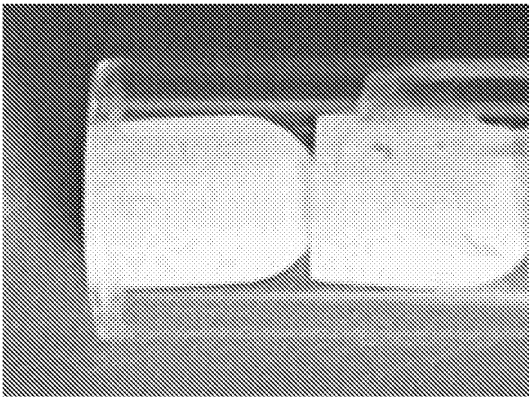


FIG. 13



FIG. 16

Experimental flow chart

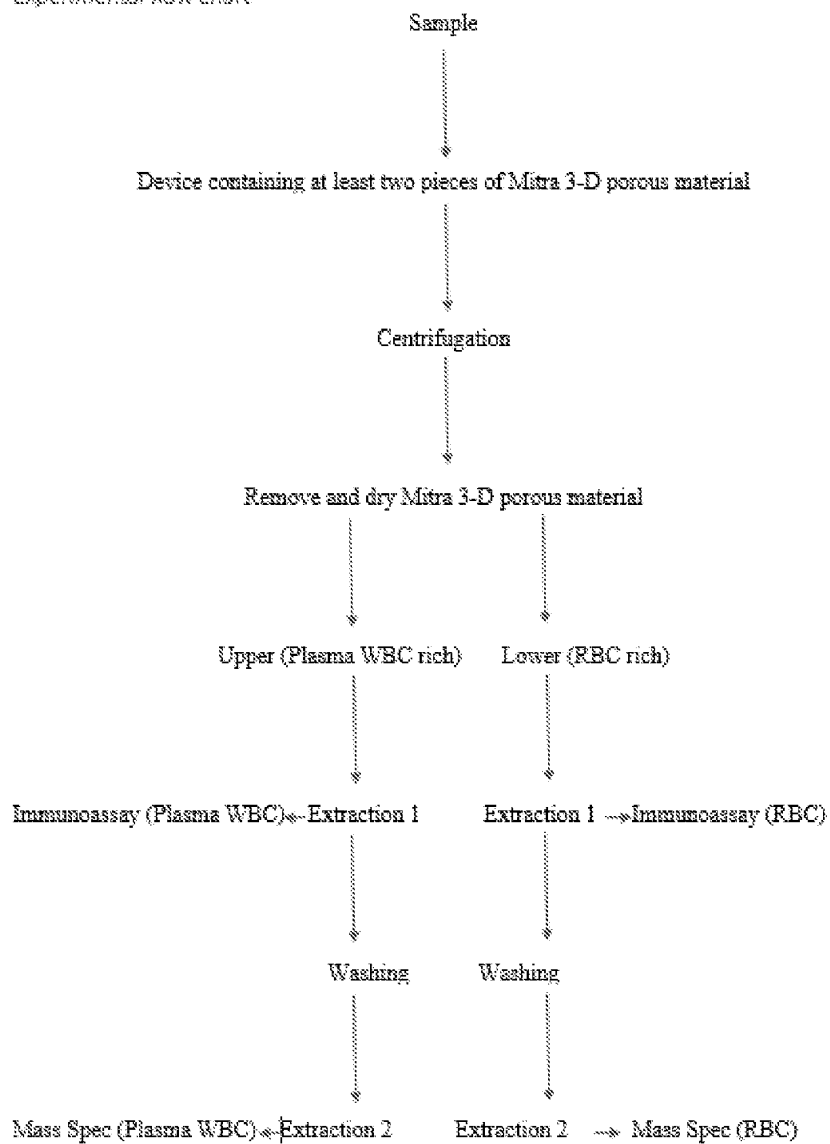


FIG. 17

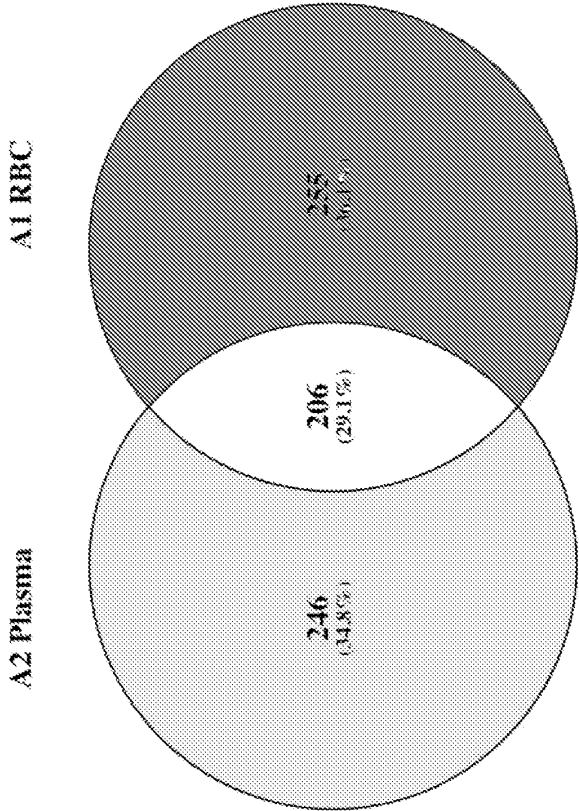


FIG. 18

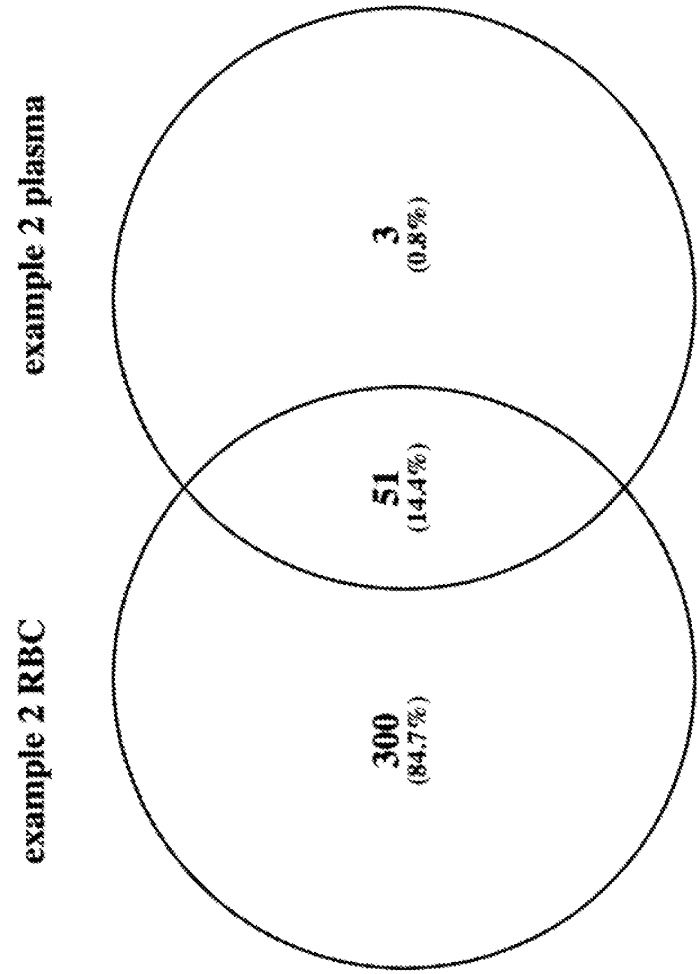


FIG. 19

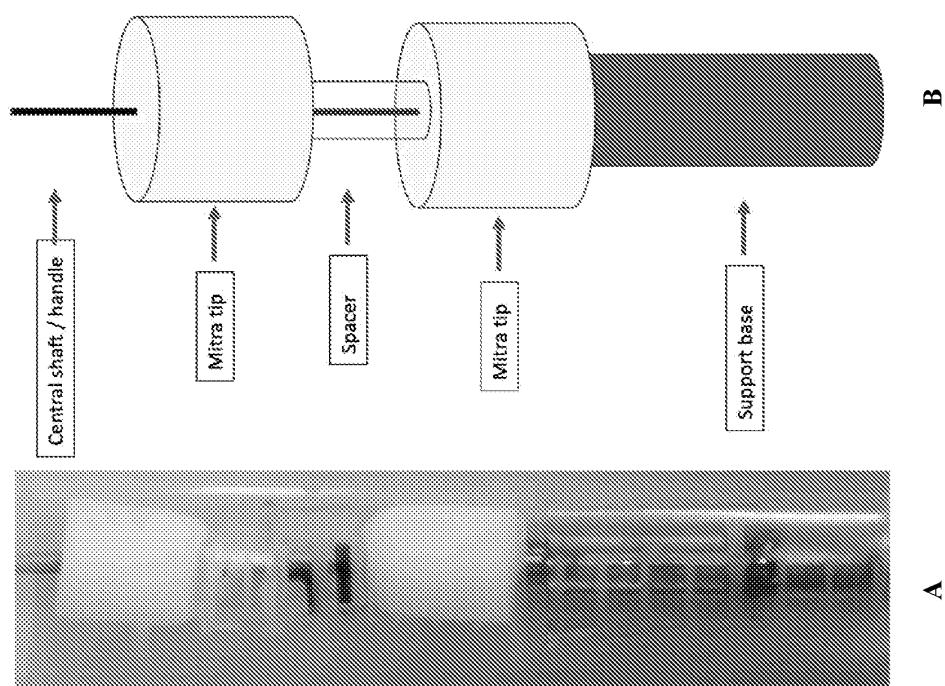
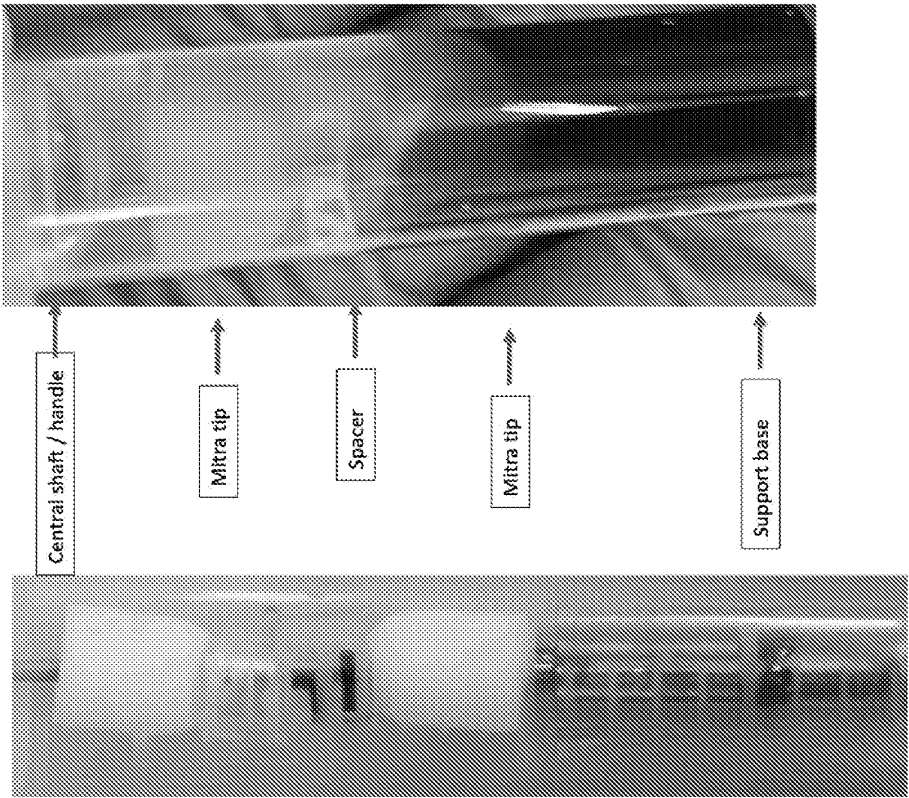


FIG. 20



B

A

FIG. 21

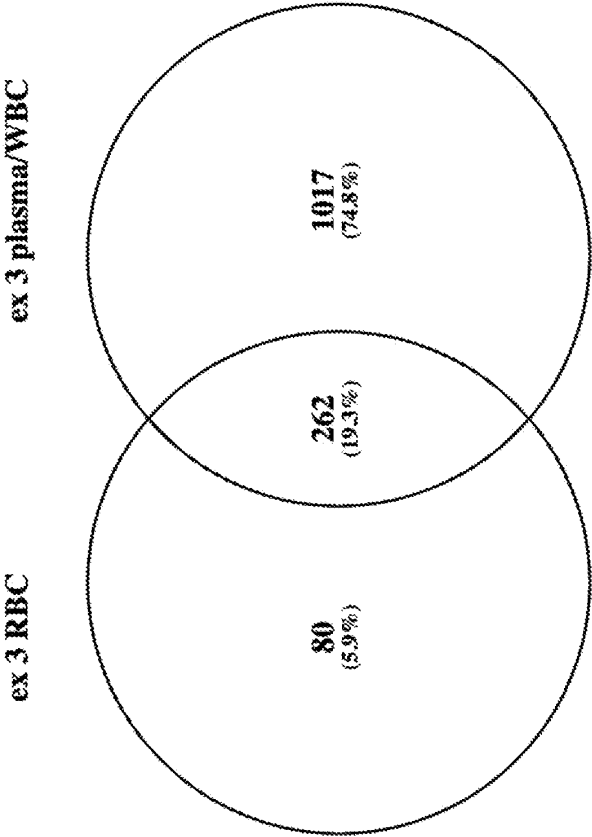


FIG. 22

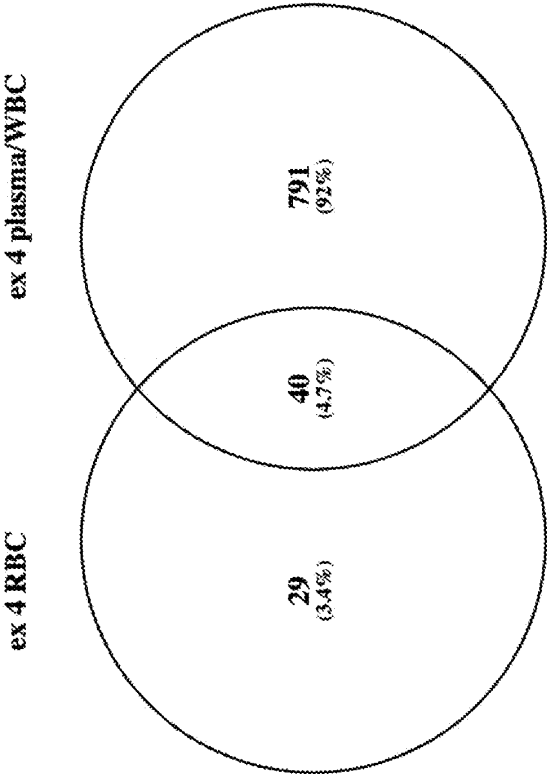


FIG. 23

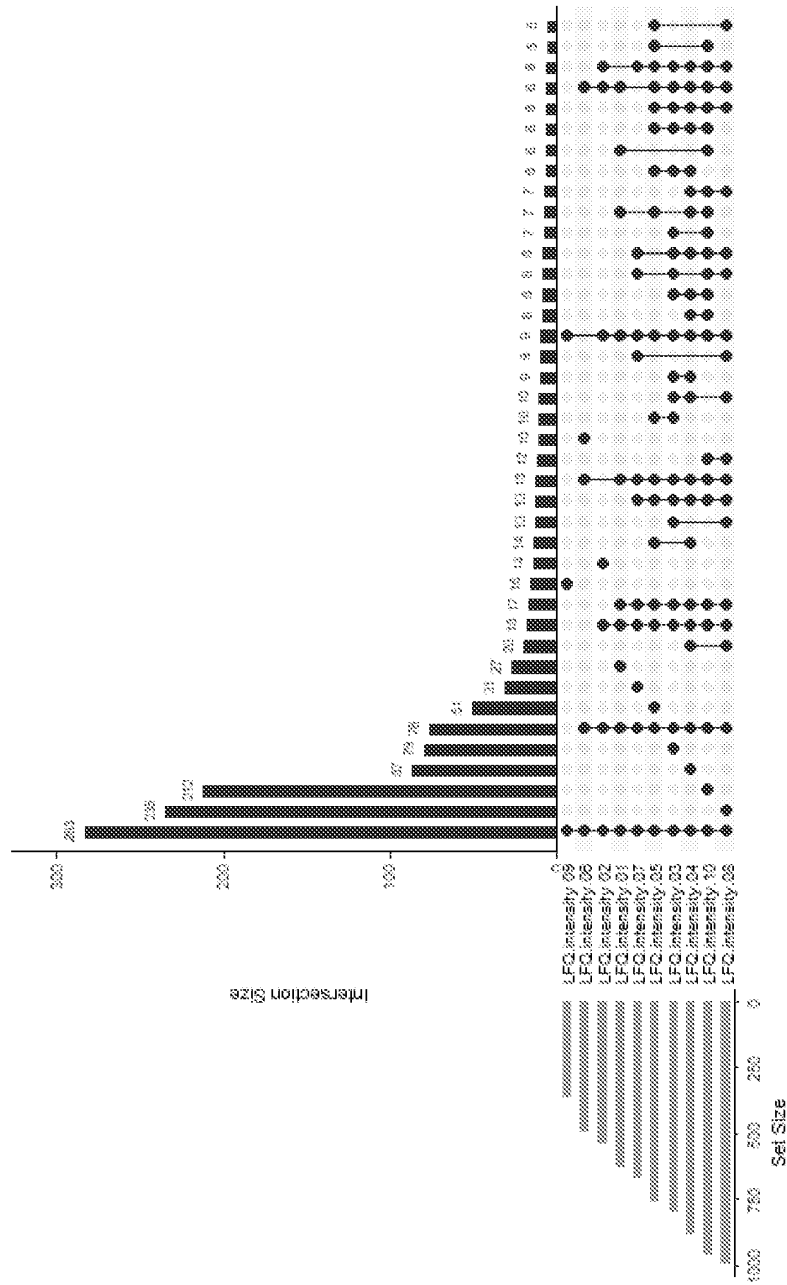


FIG. 24

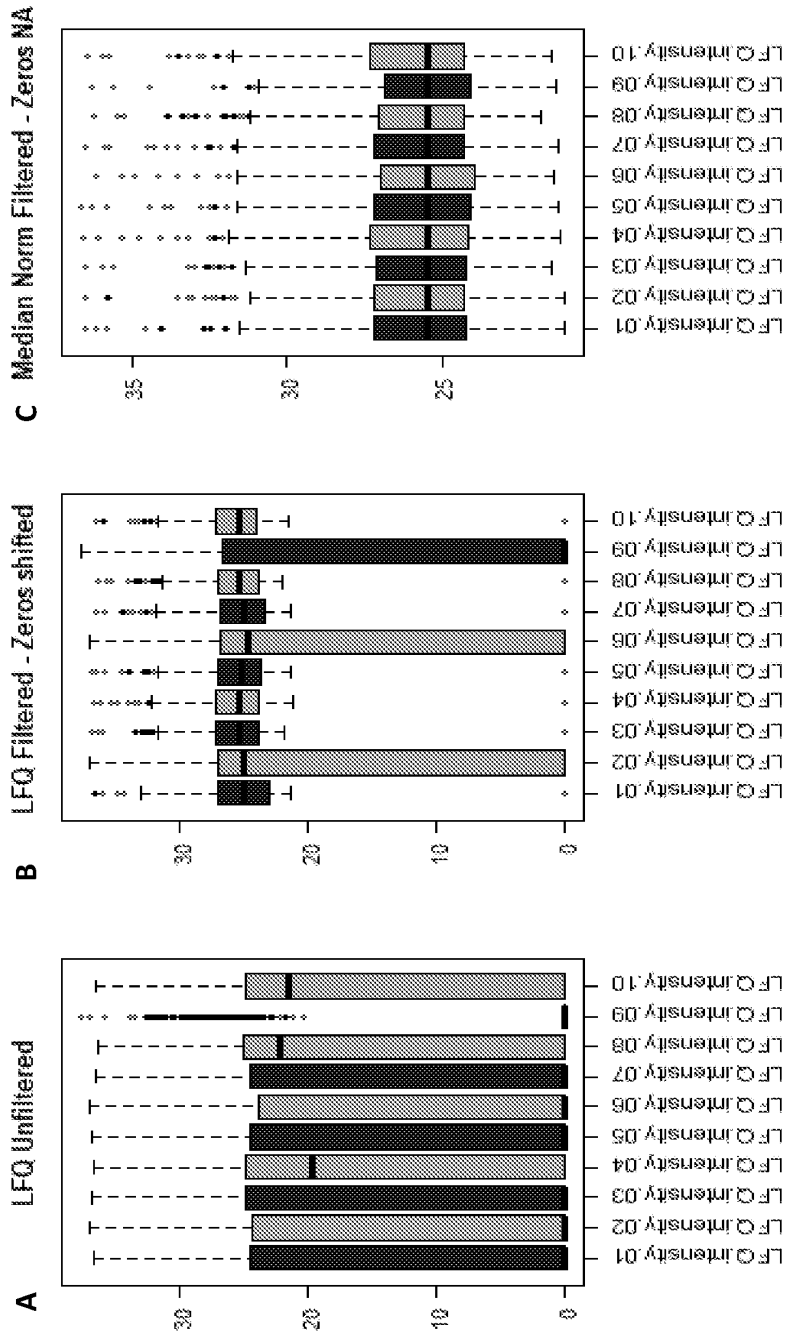


FIG. 25

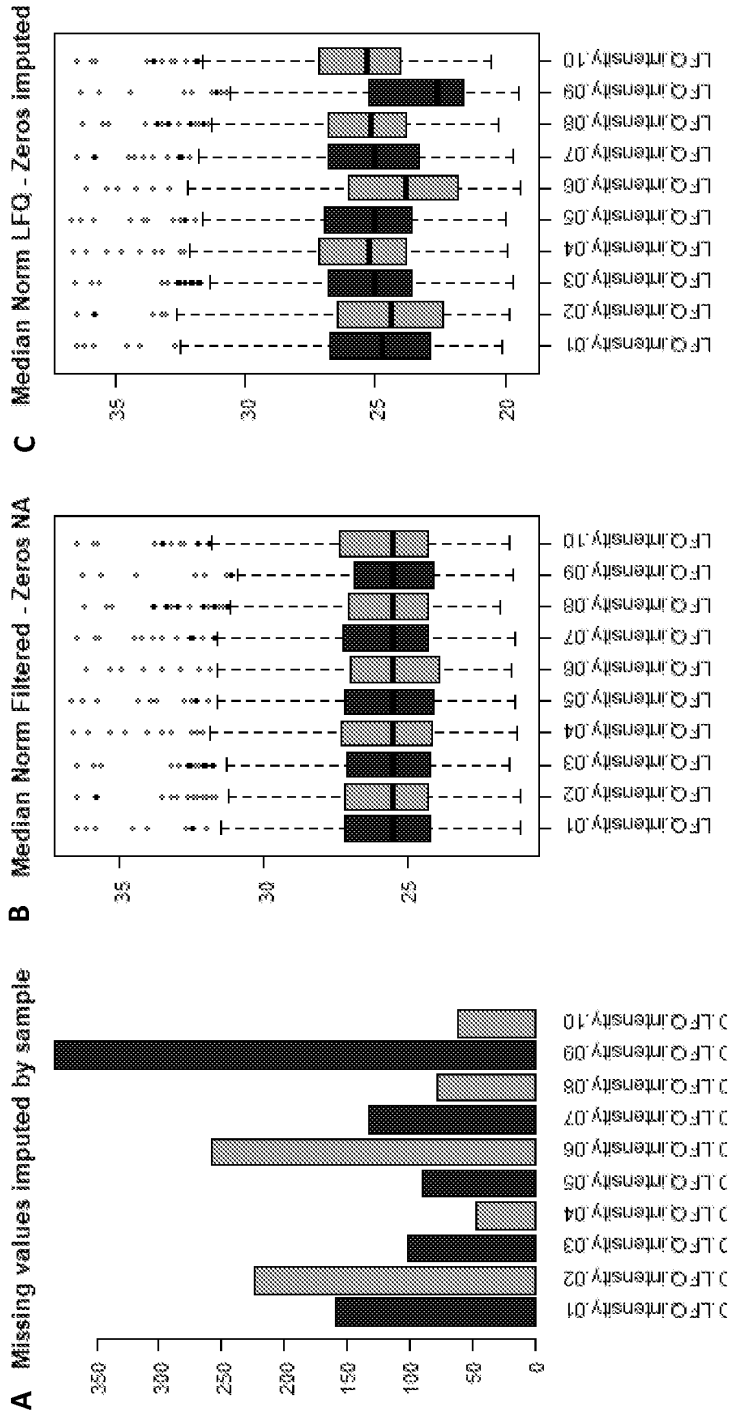


FIG. 26

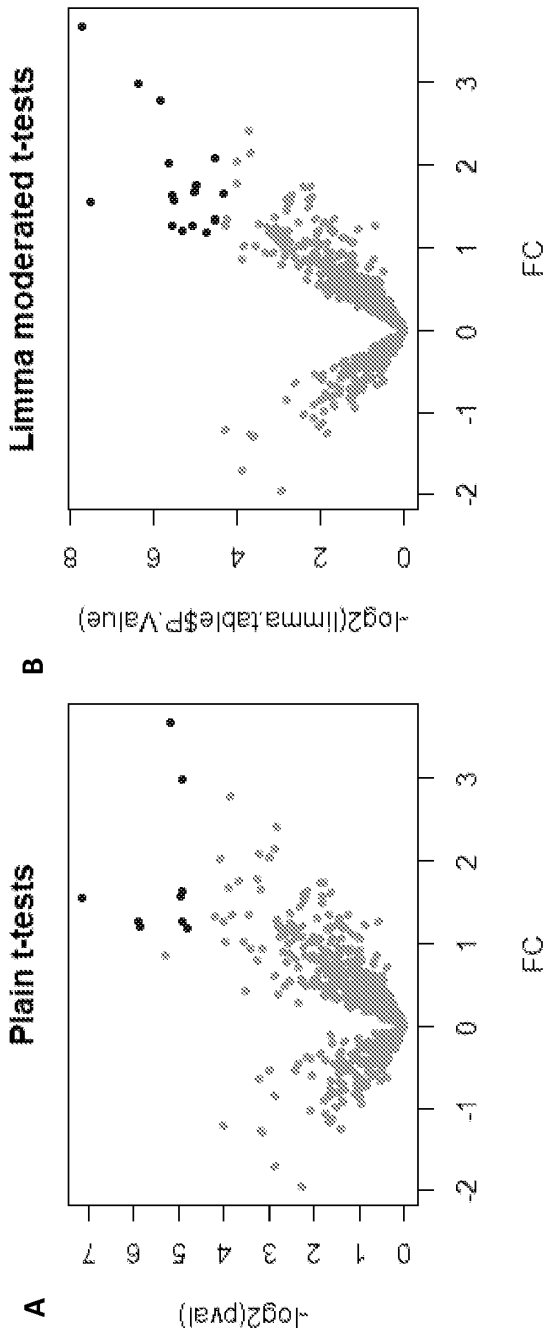


FIG. 27

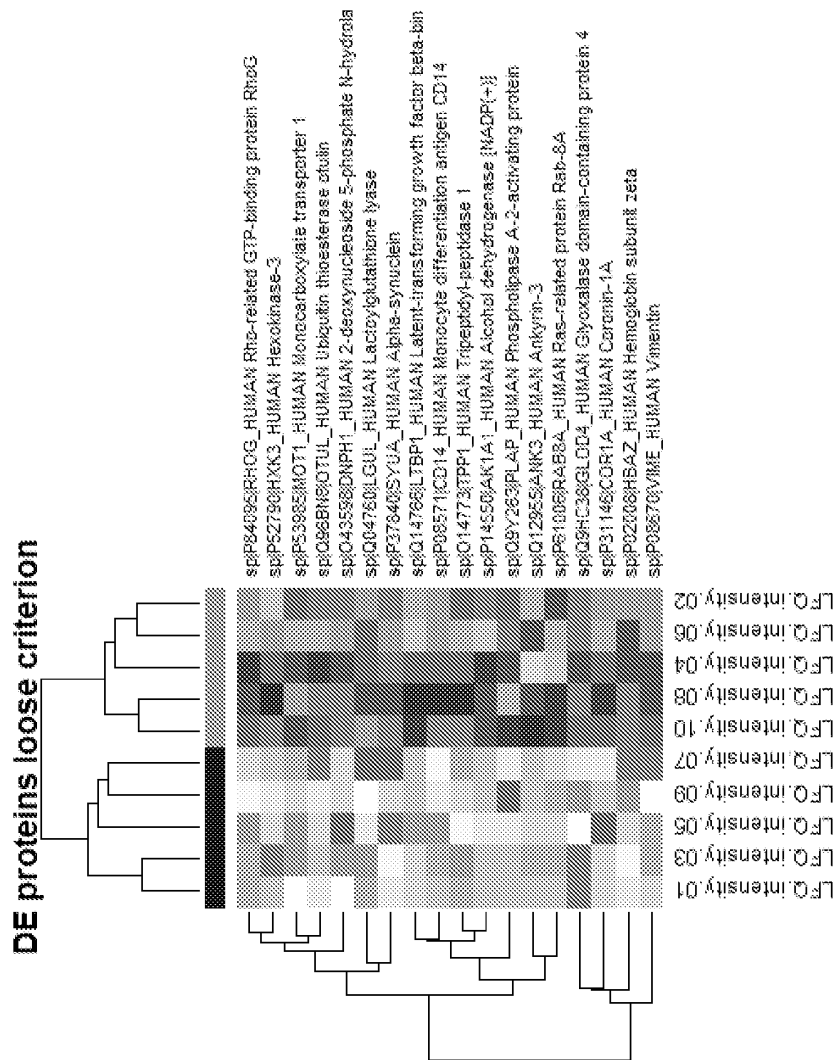


FIG. 28

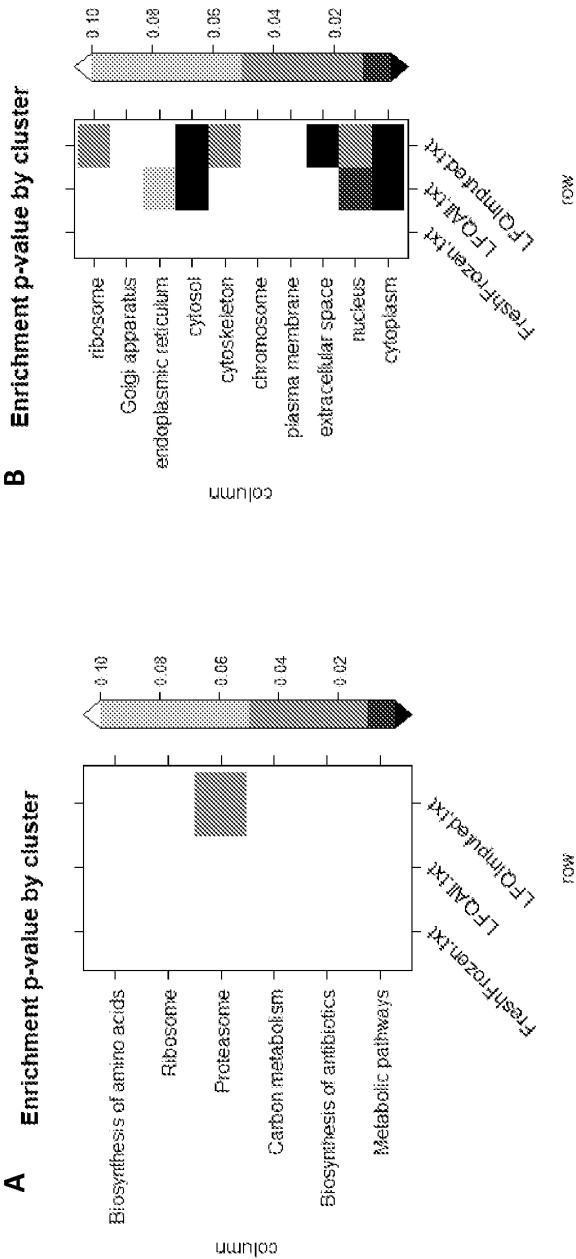


FIG. 29

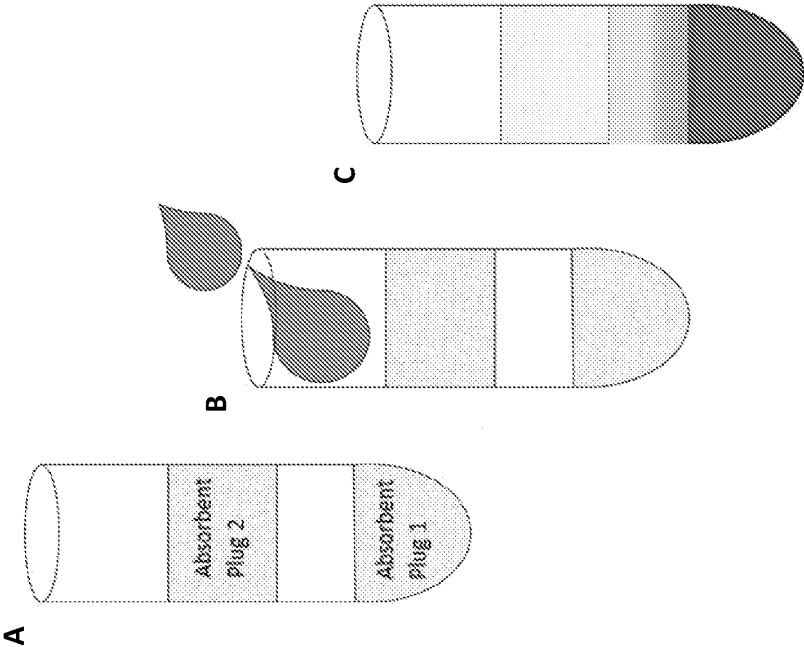


FIG. 30

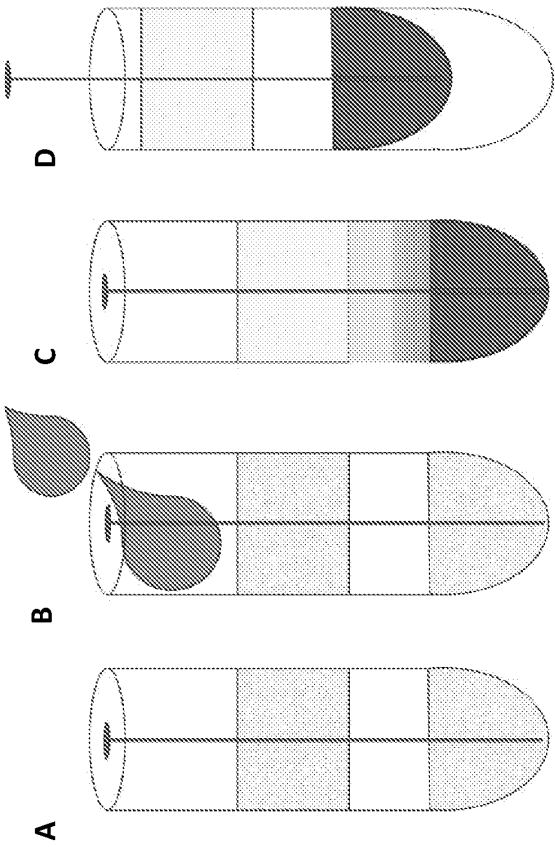


FIG. 31

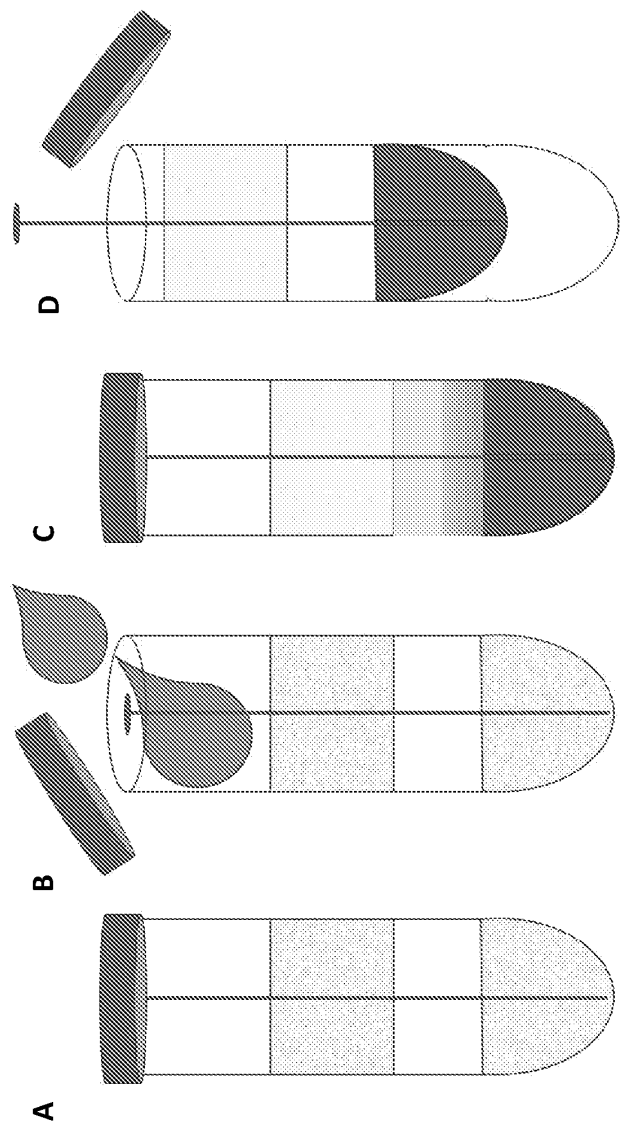


FIG. 32

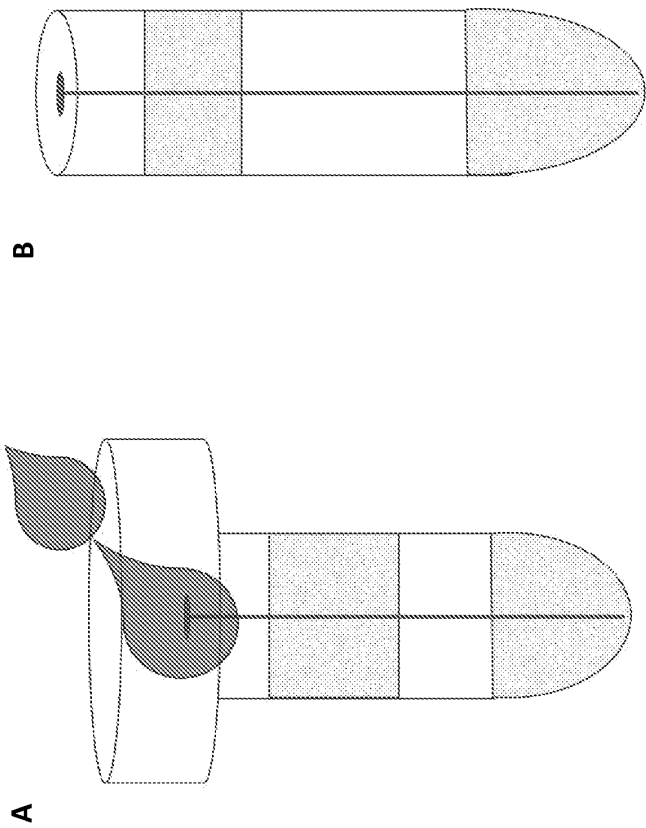


FIG. 33

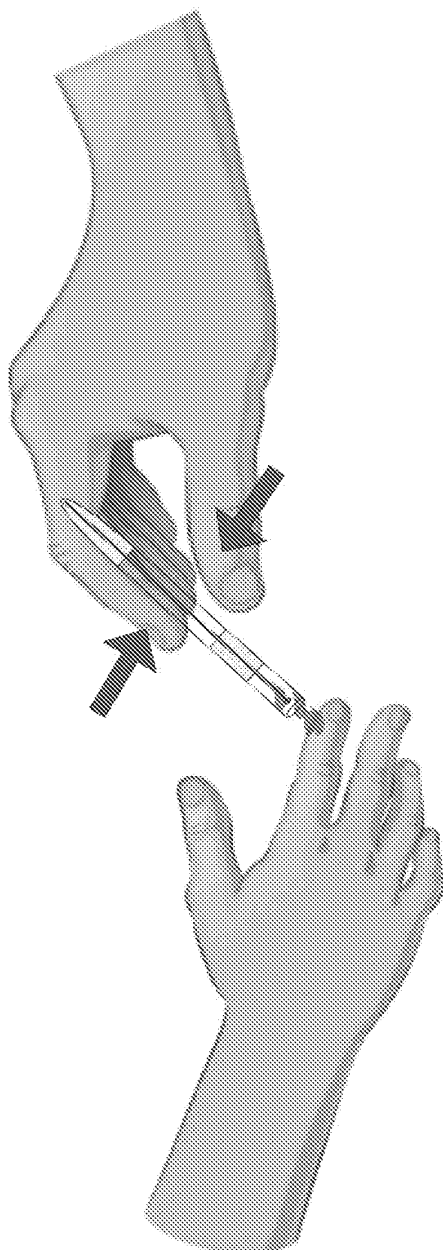


FIG. 34

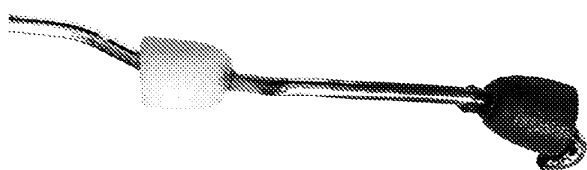


FIG. 35

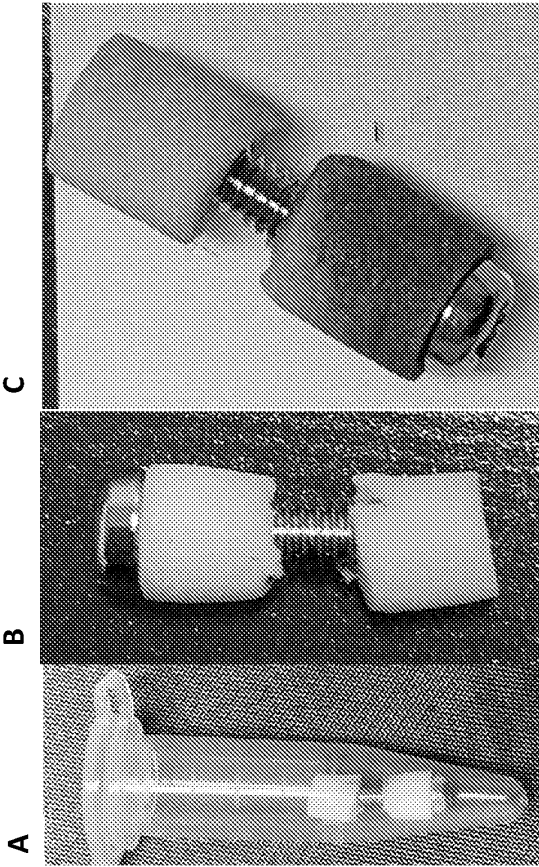
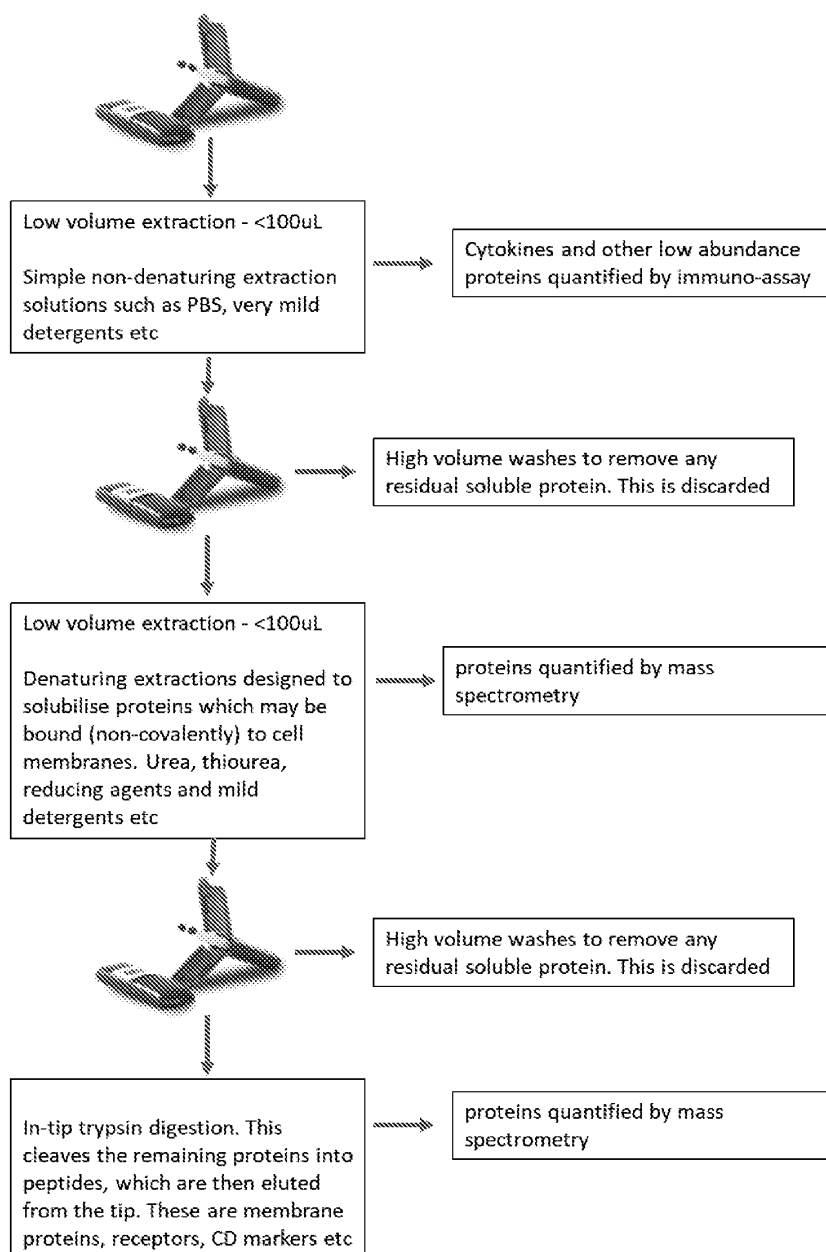


FIG. 36

Basic workflow

**FIG. 37**

Workflow 1 – two extracts/analyses

This is the basic workflow

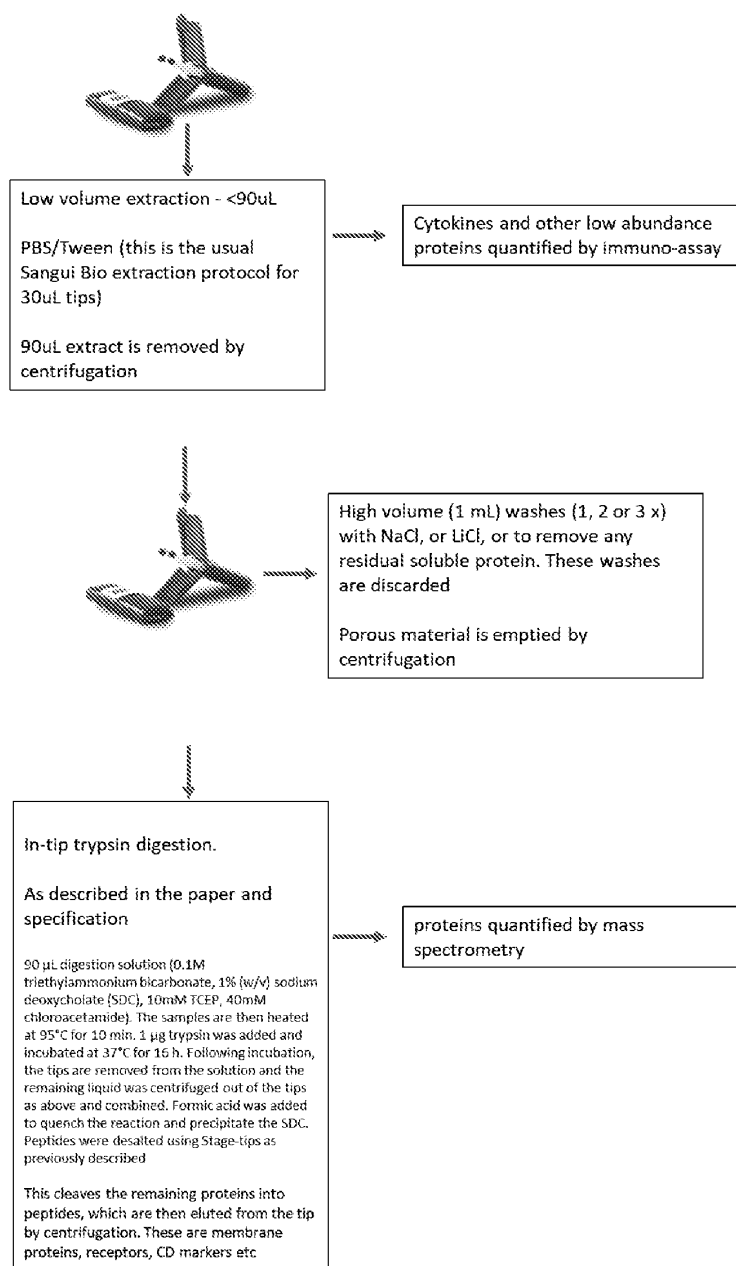


FIG. 38

Workflow 2 – two extracts/analyses
 With stringent washing/stripping to remove non-membrane
 proteins
 This is a modification of the basic workflow

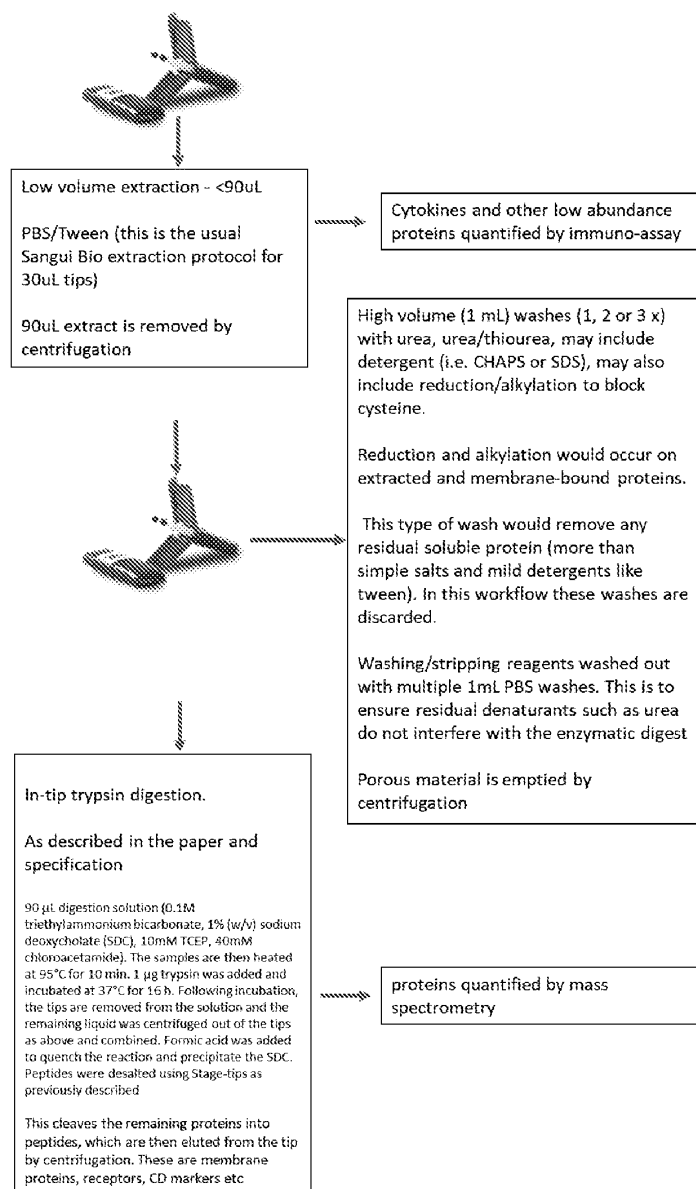


FIG. 39

Workflow 3 – three extracts/analyses
 With stringent extraction as the middle step.
 This is a modification of the basic workflow

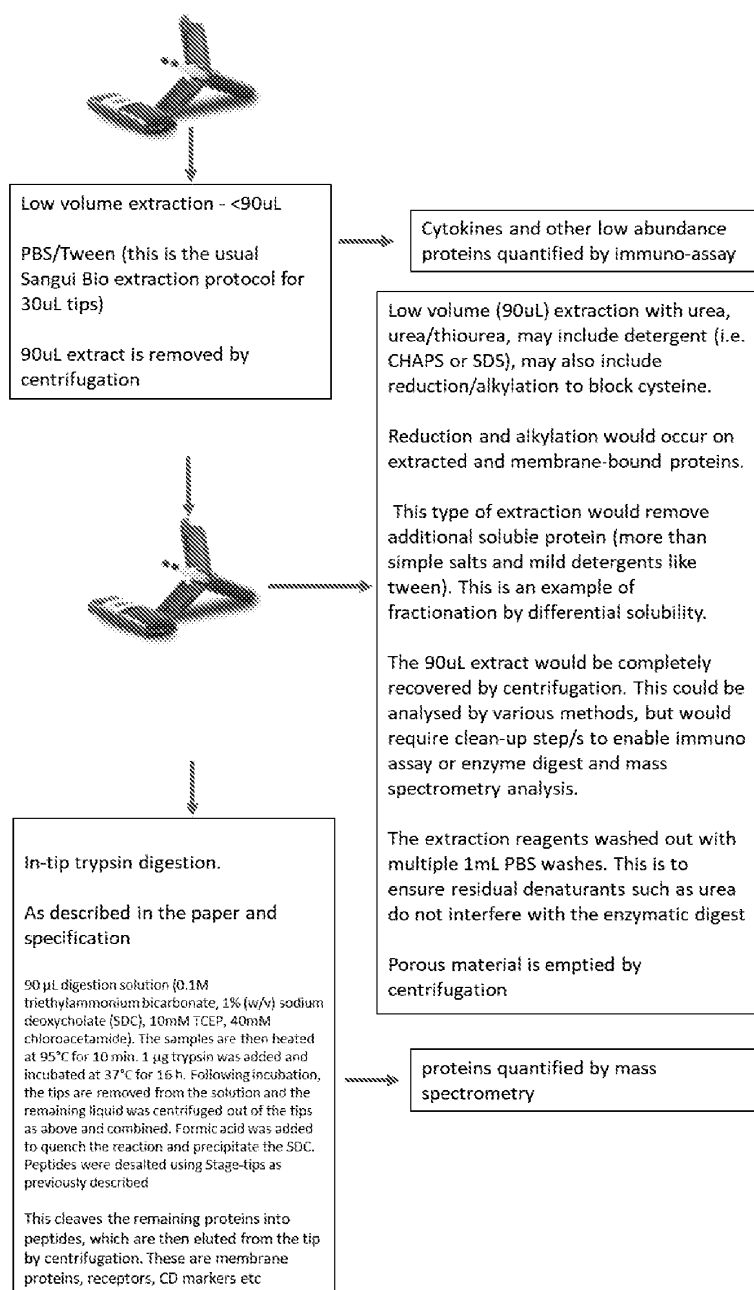


FIG. 40

Workflow 4 — centrifugal pre-separation
 2 or more pieces of porous material in a device
 two extracts/analyses for each piece of porous material
 This is the basic workflow with centrifugal pre-separation

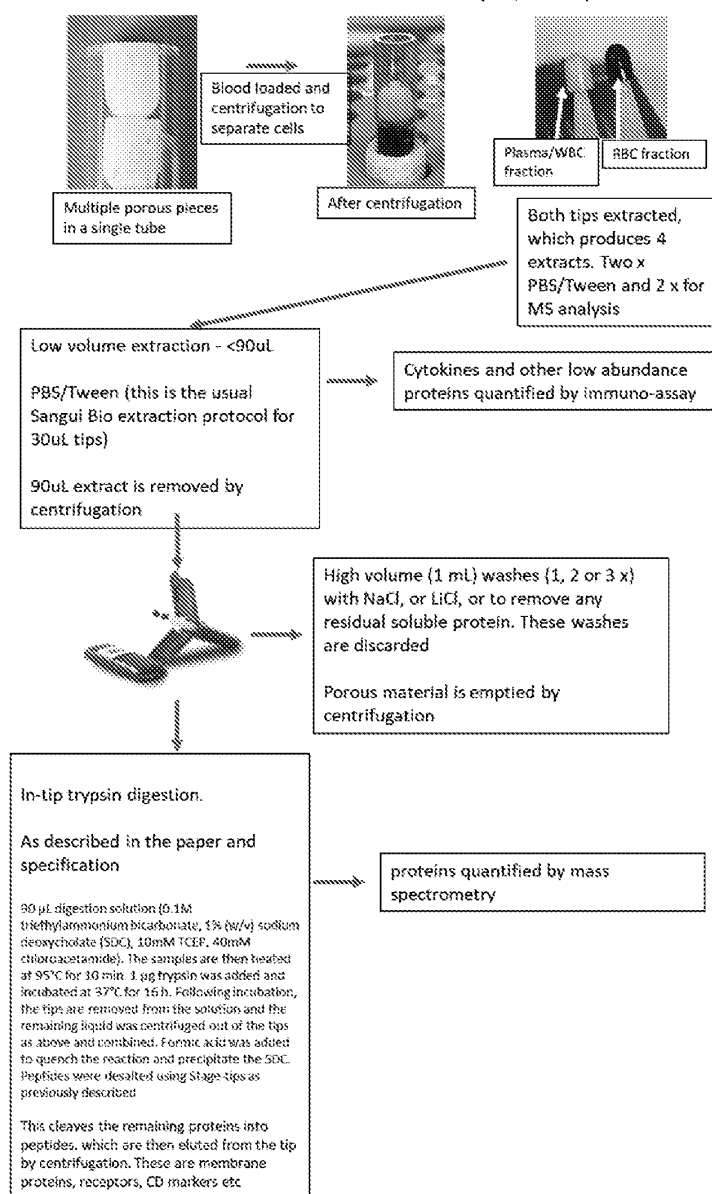


FIG. 41

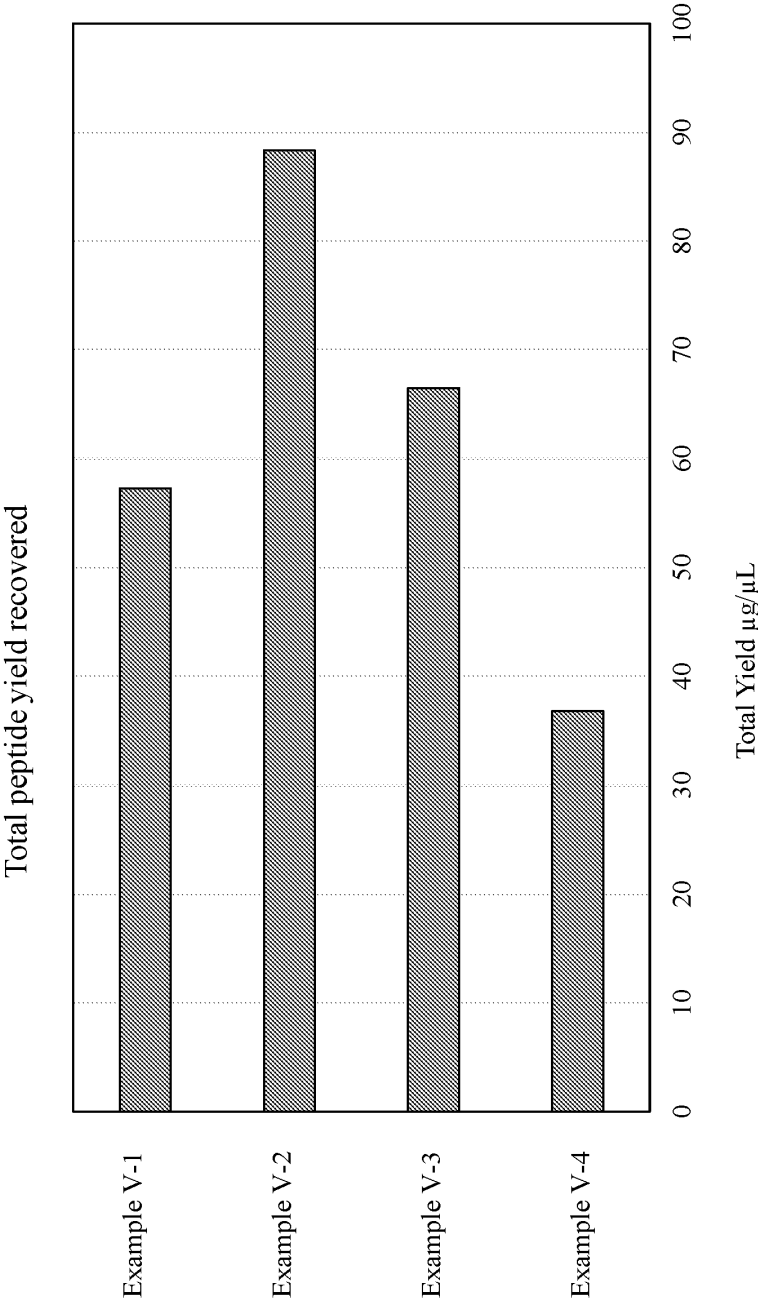


FIG. 42

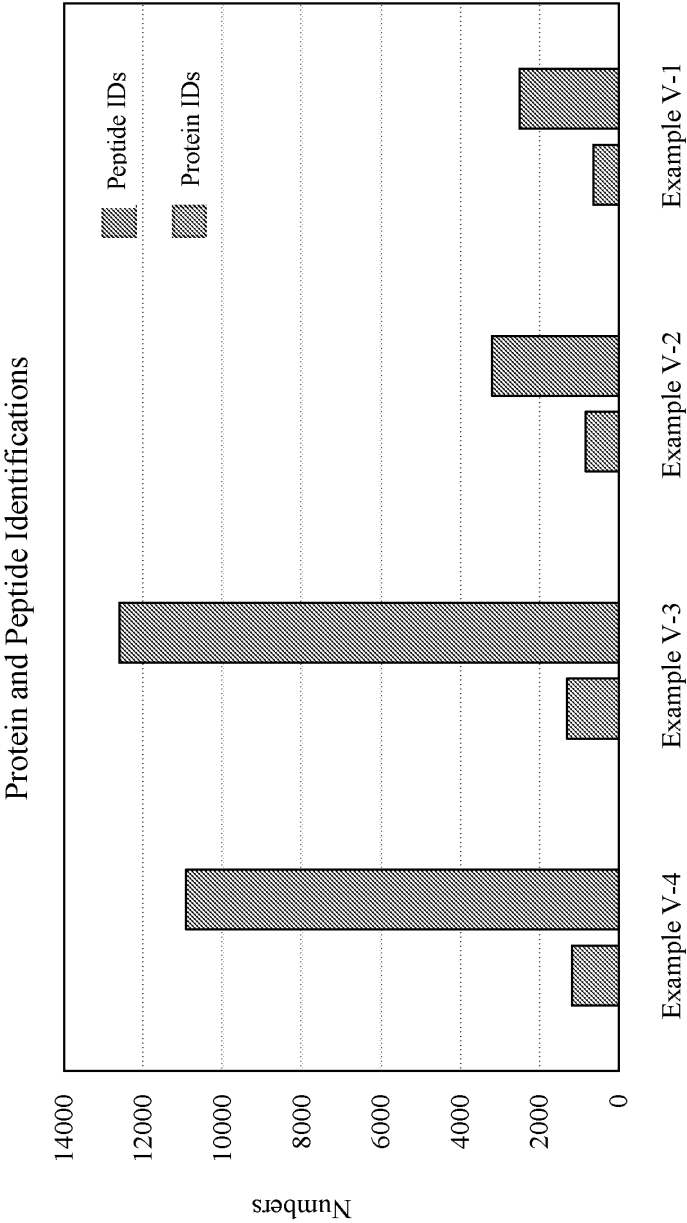


FIG. 43

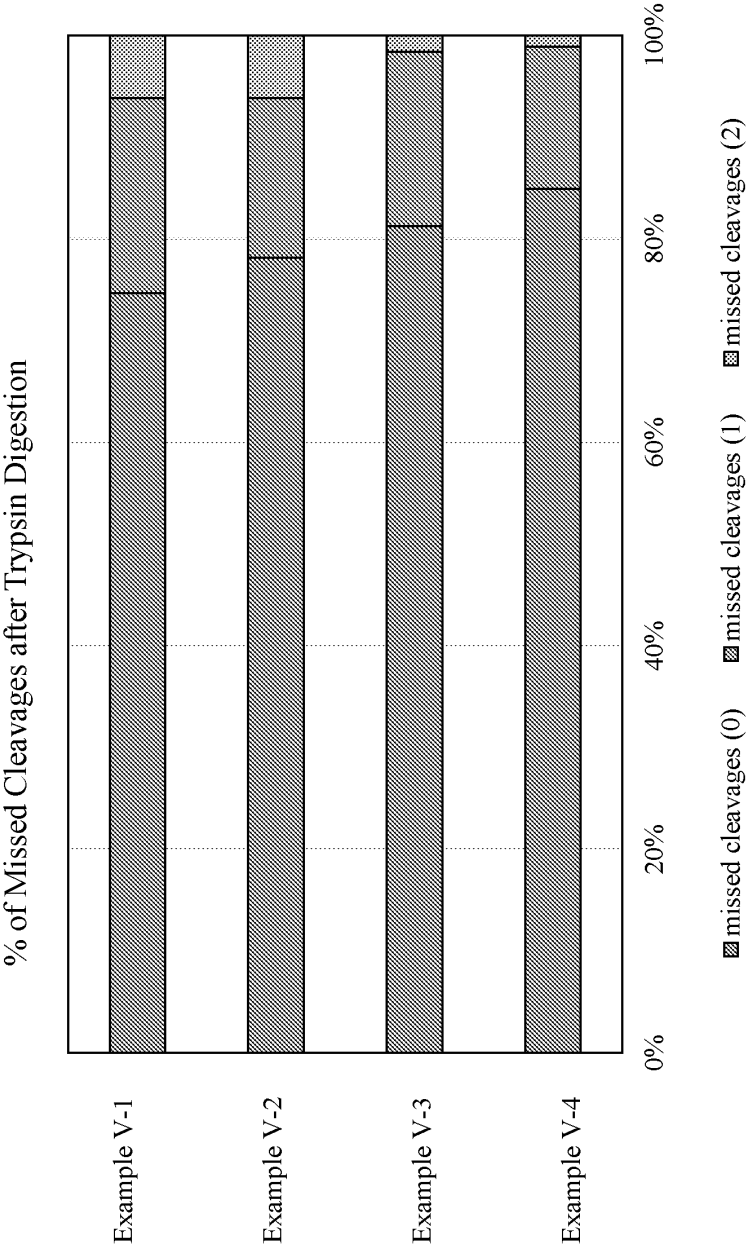


FIG. 44

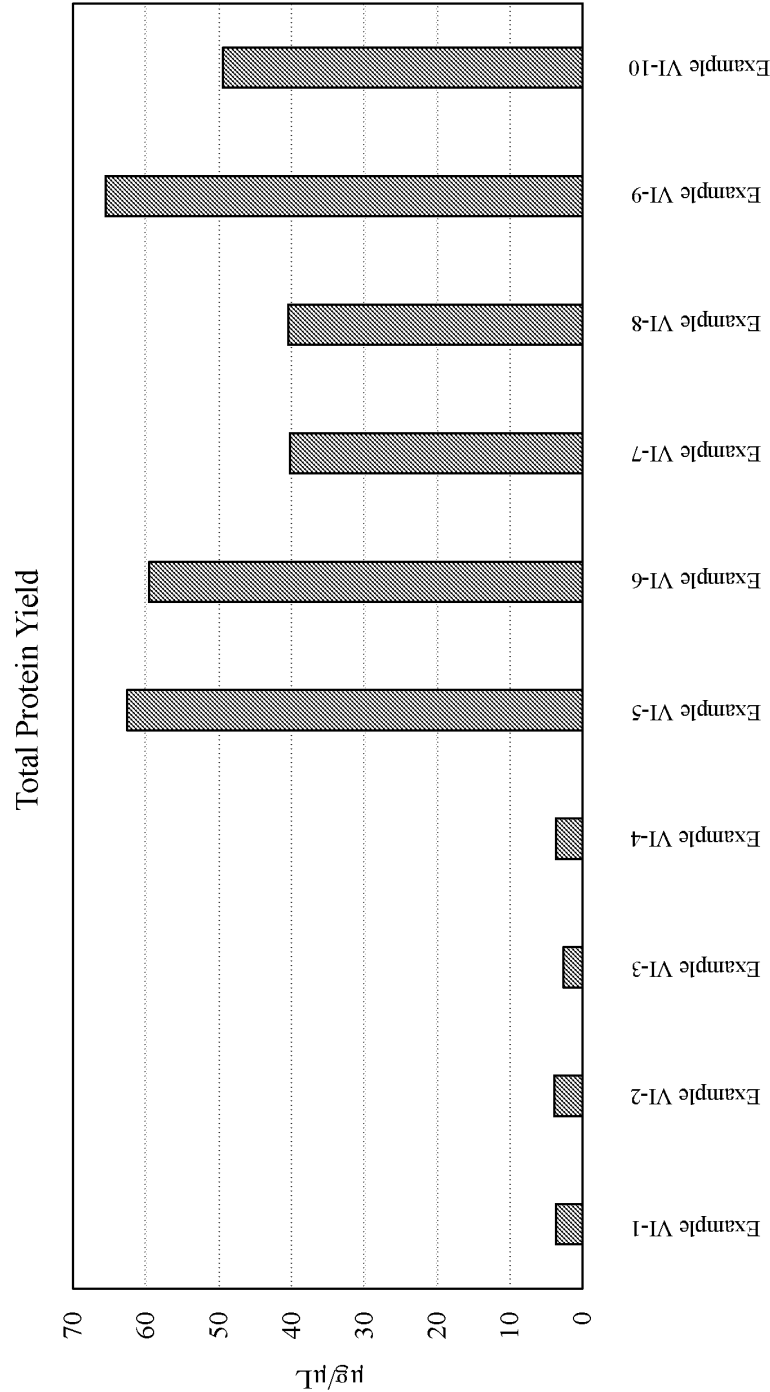


FIG. 45

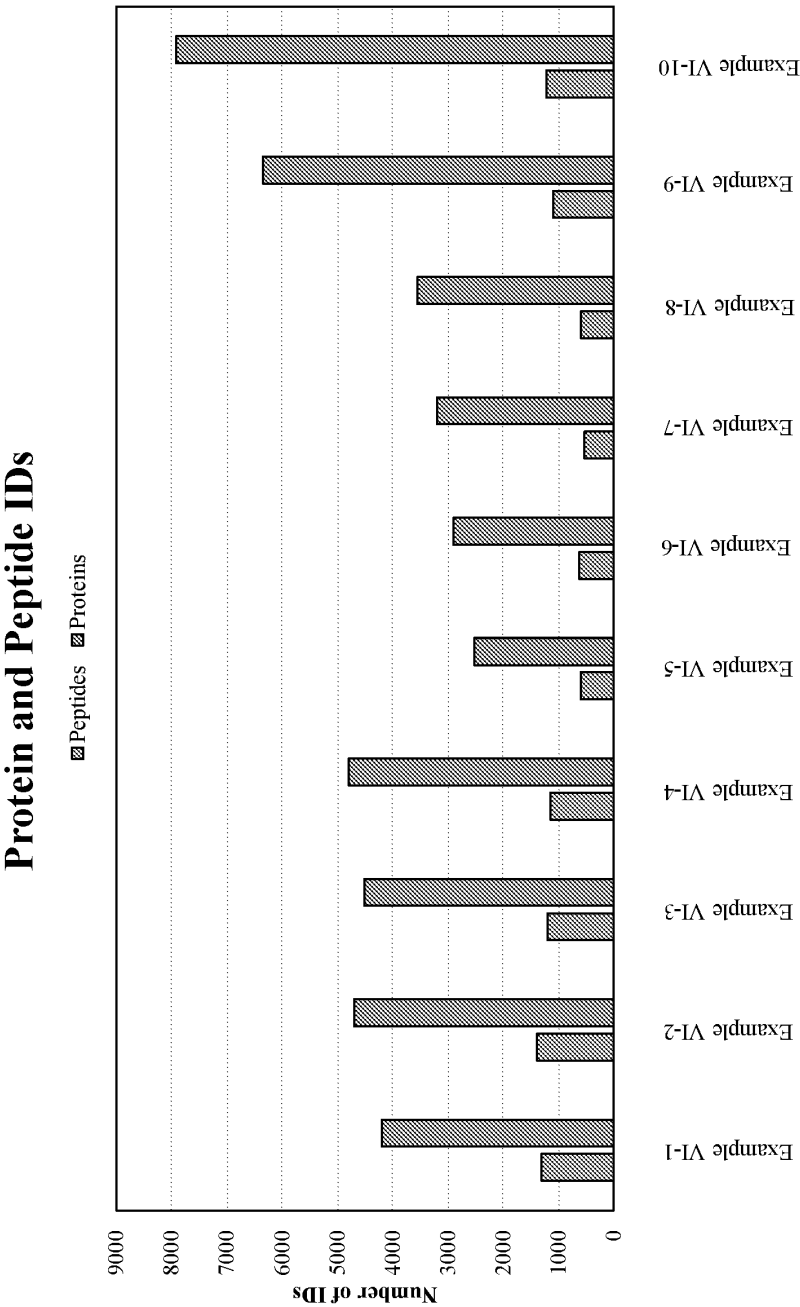


FIG. 46

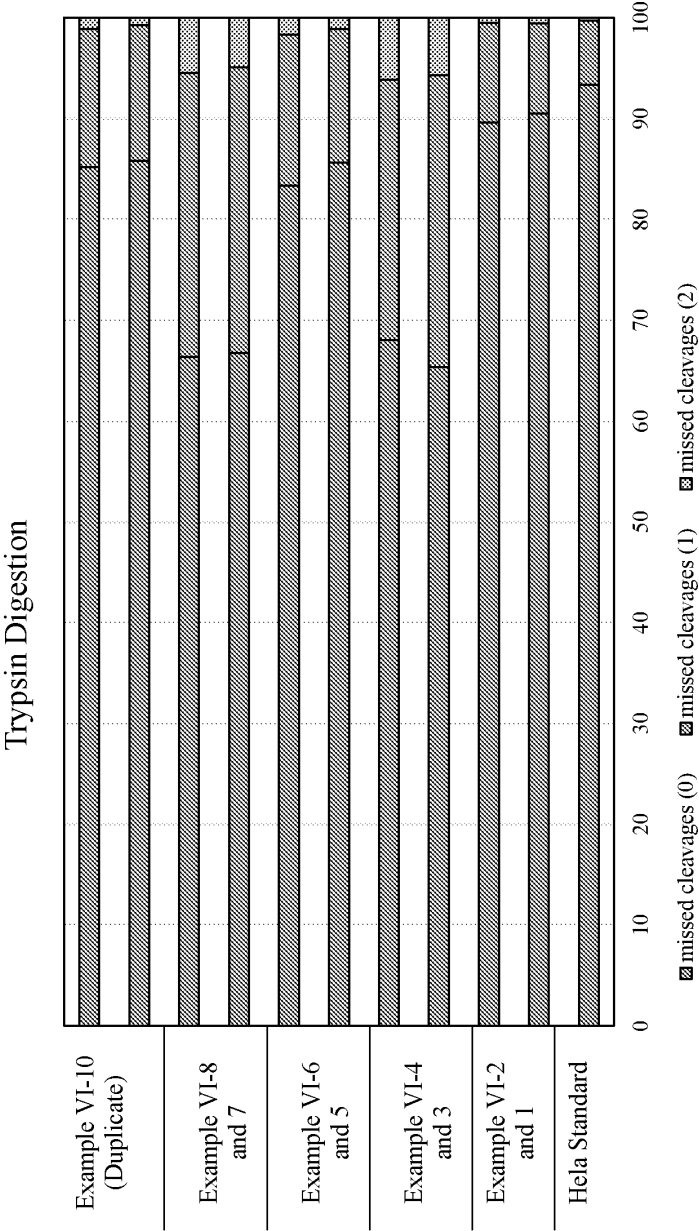


FIG. 47

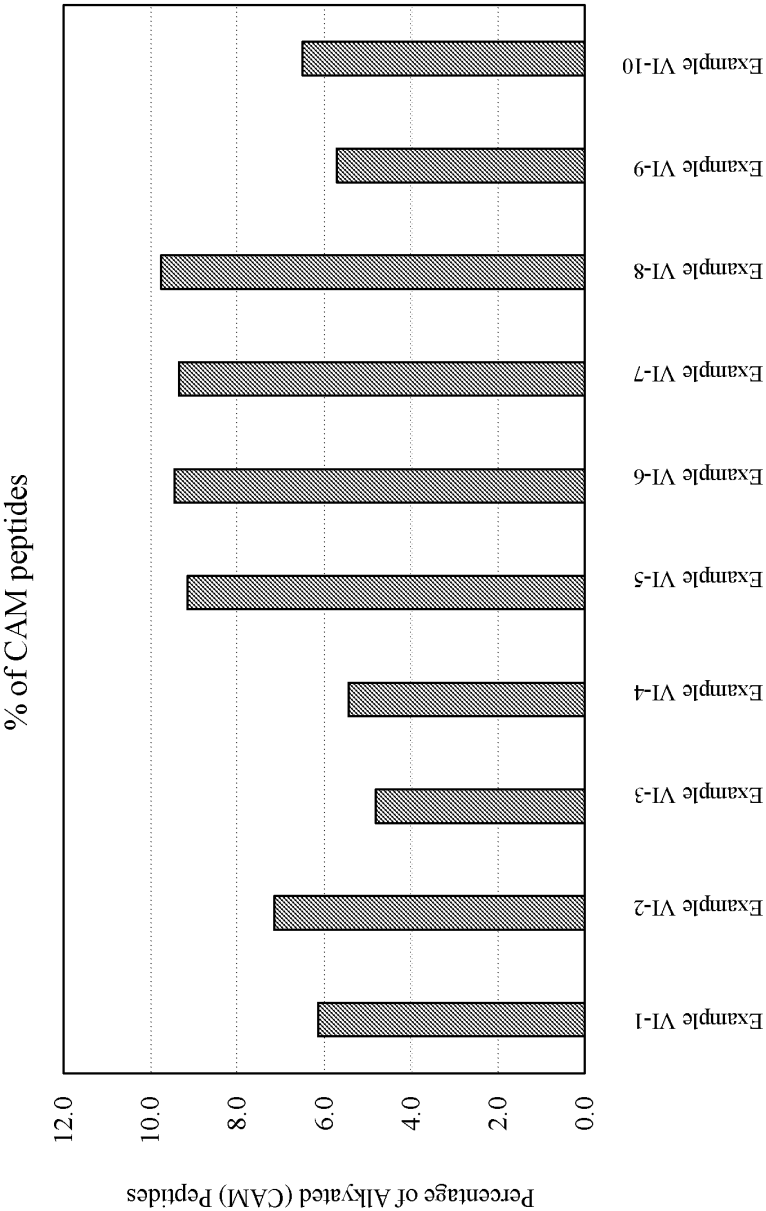


FIG. 48

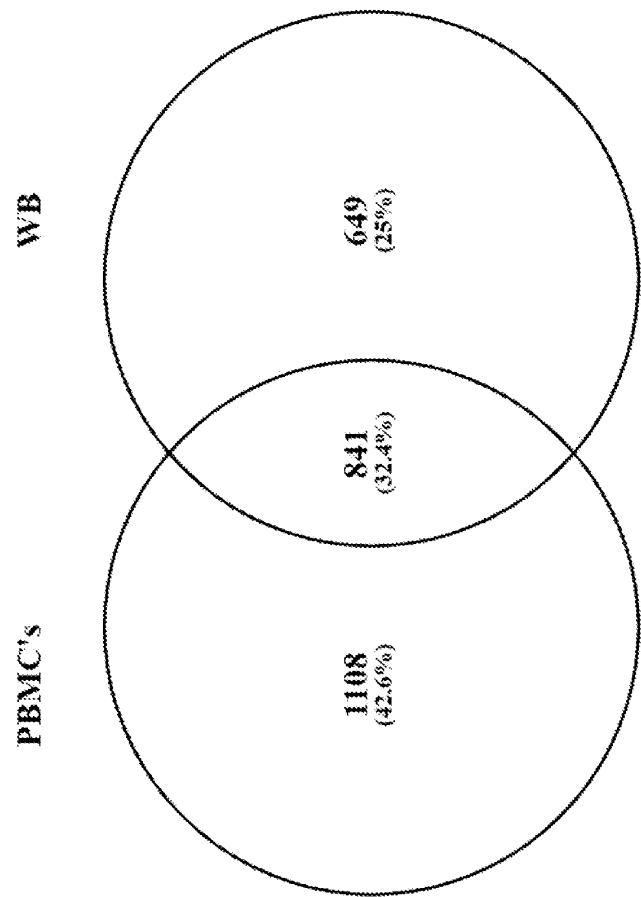


FIG. 49

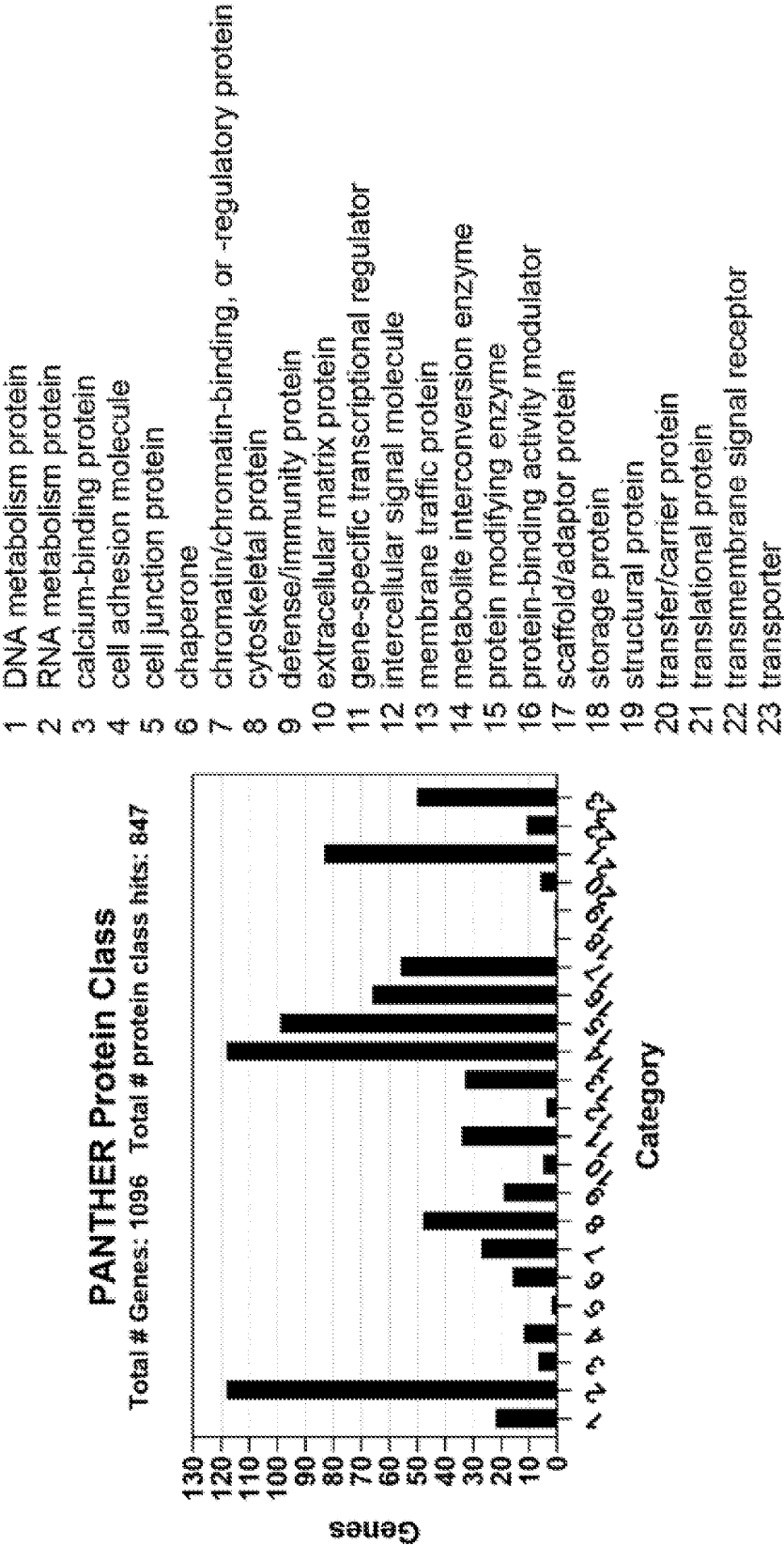


FIG. 50

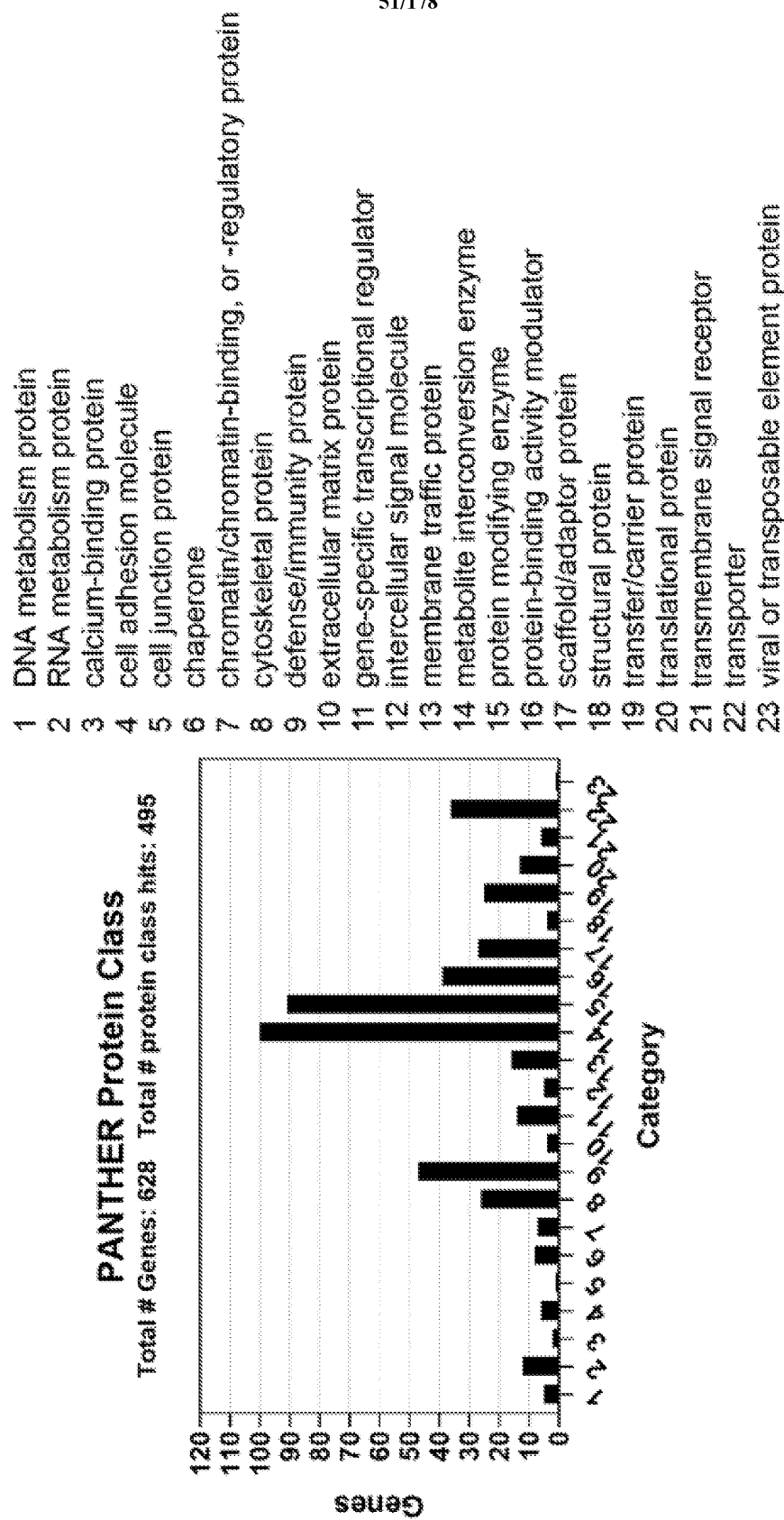


FIG. 51

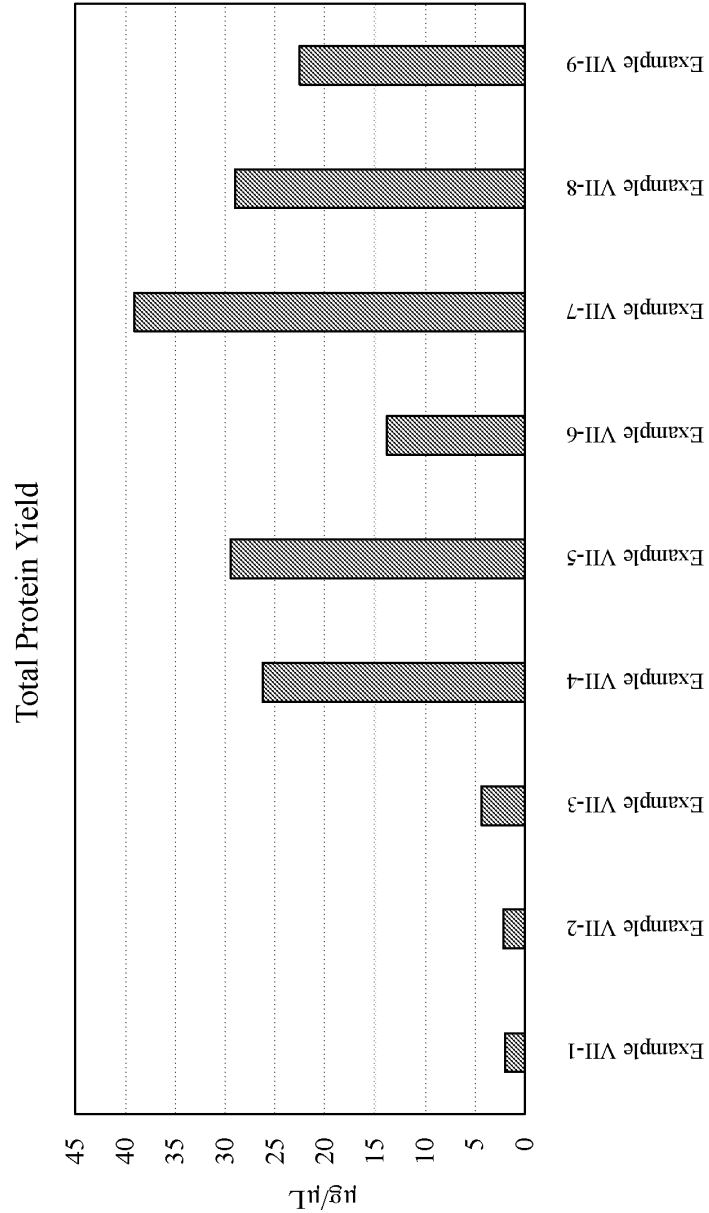


FIG. 52

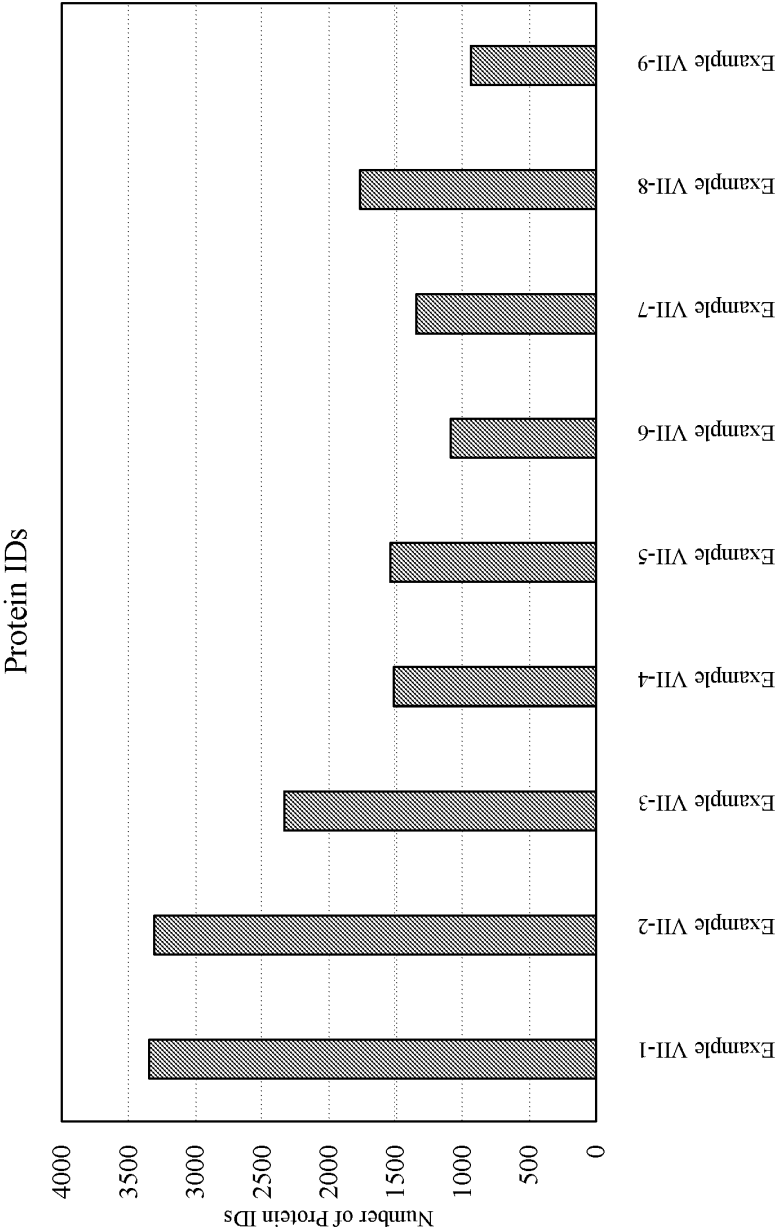


FIG. 53

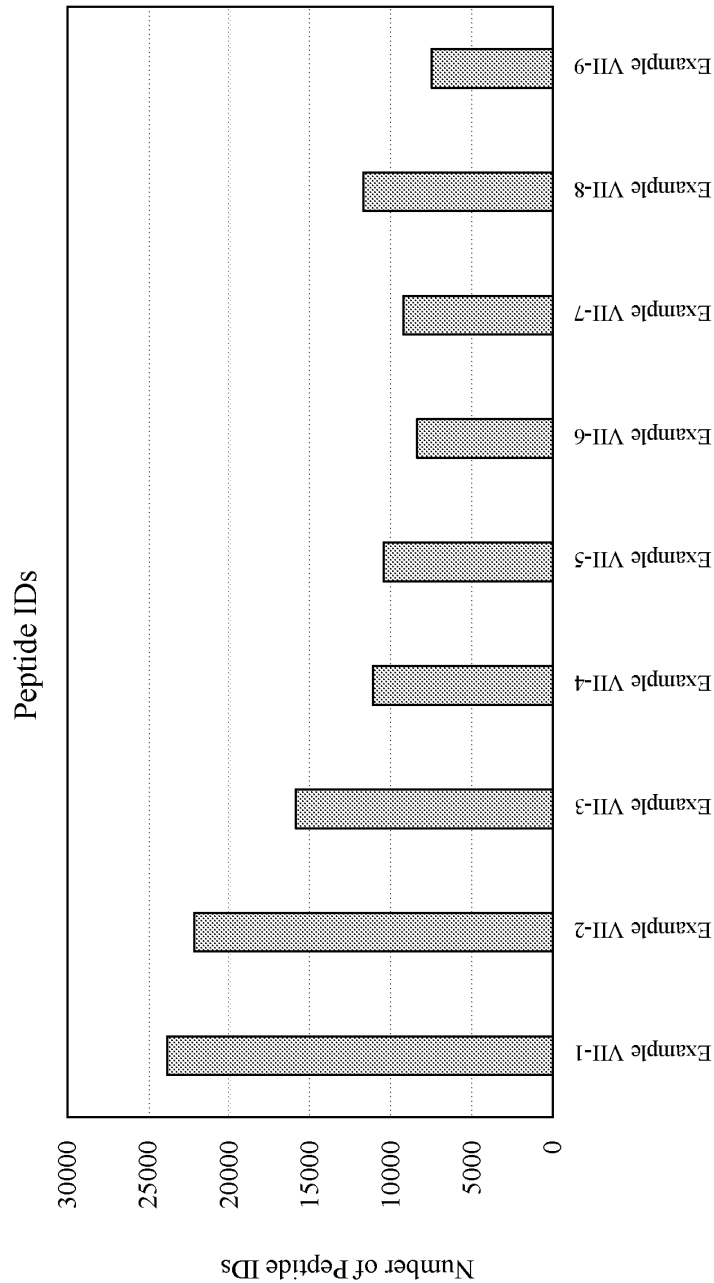


FIG. 54

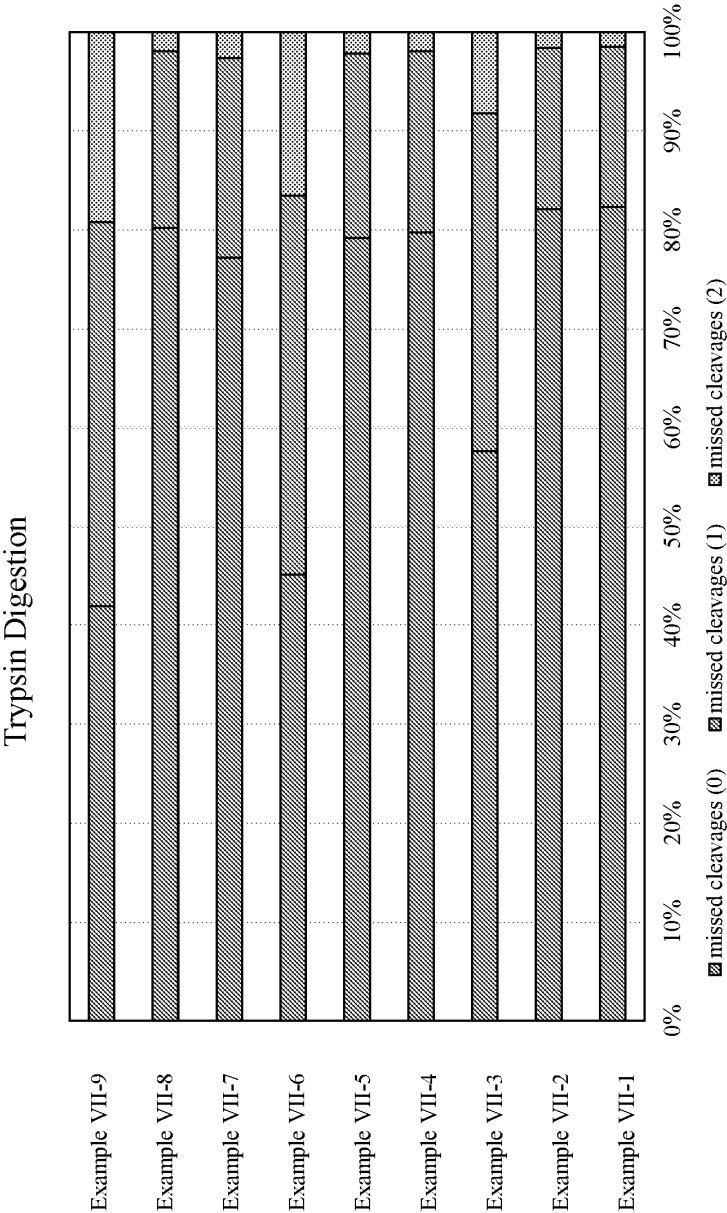


FIG. 55

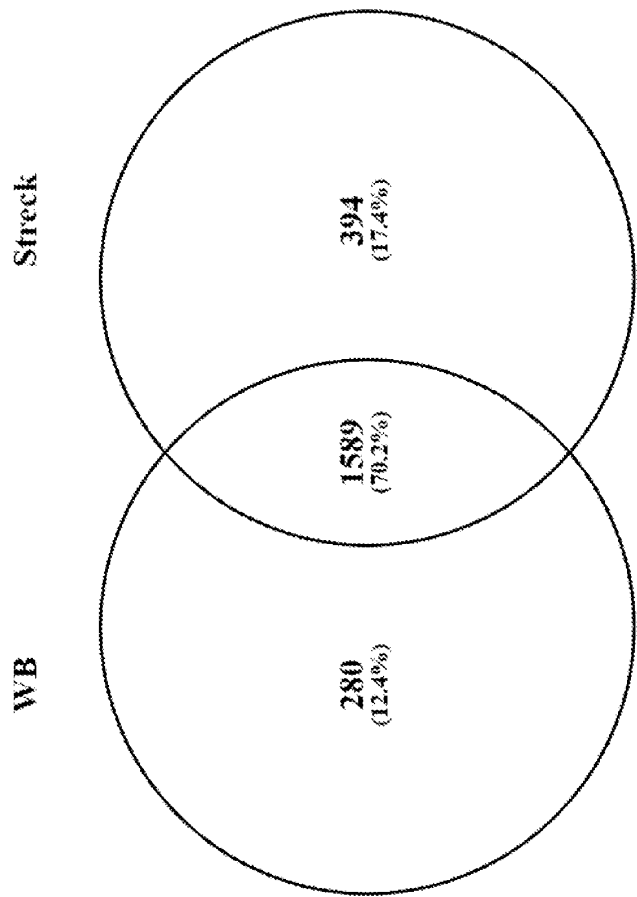


FIG. 56

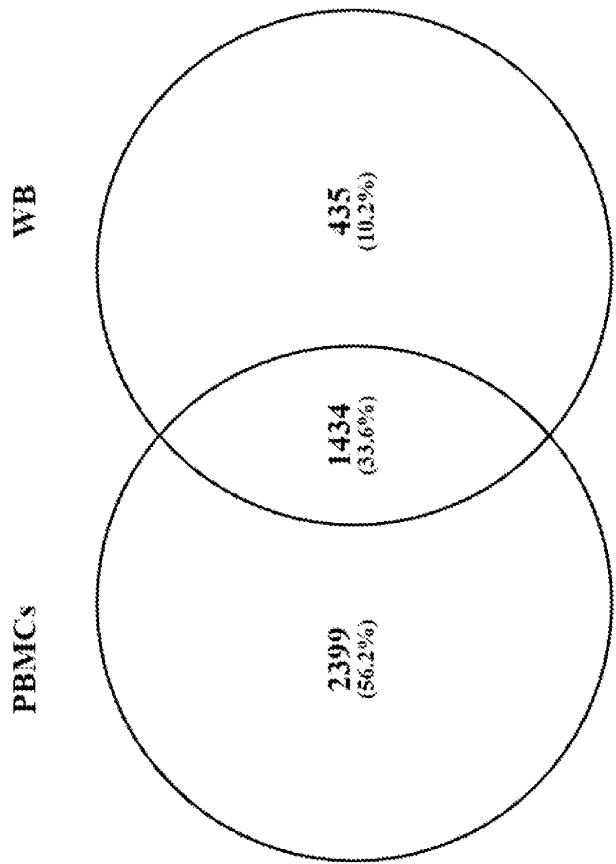


FIG. 57

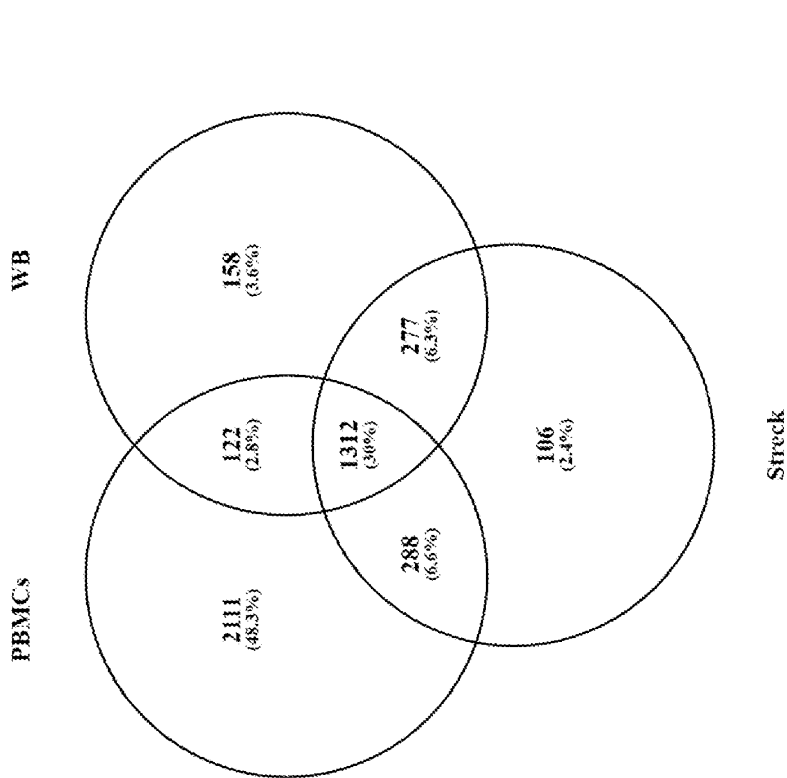


FIG. 58

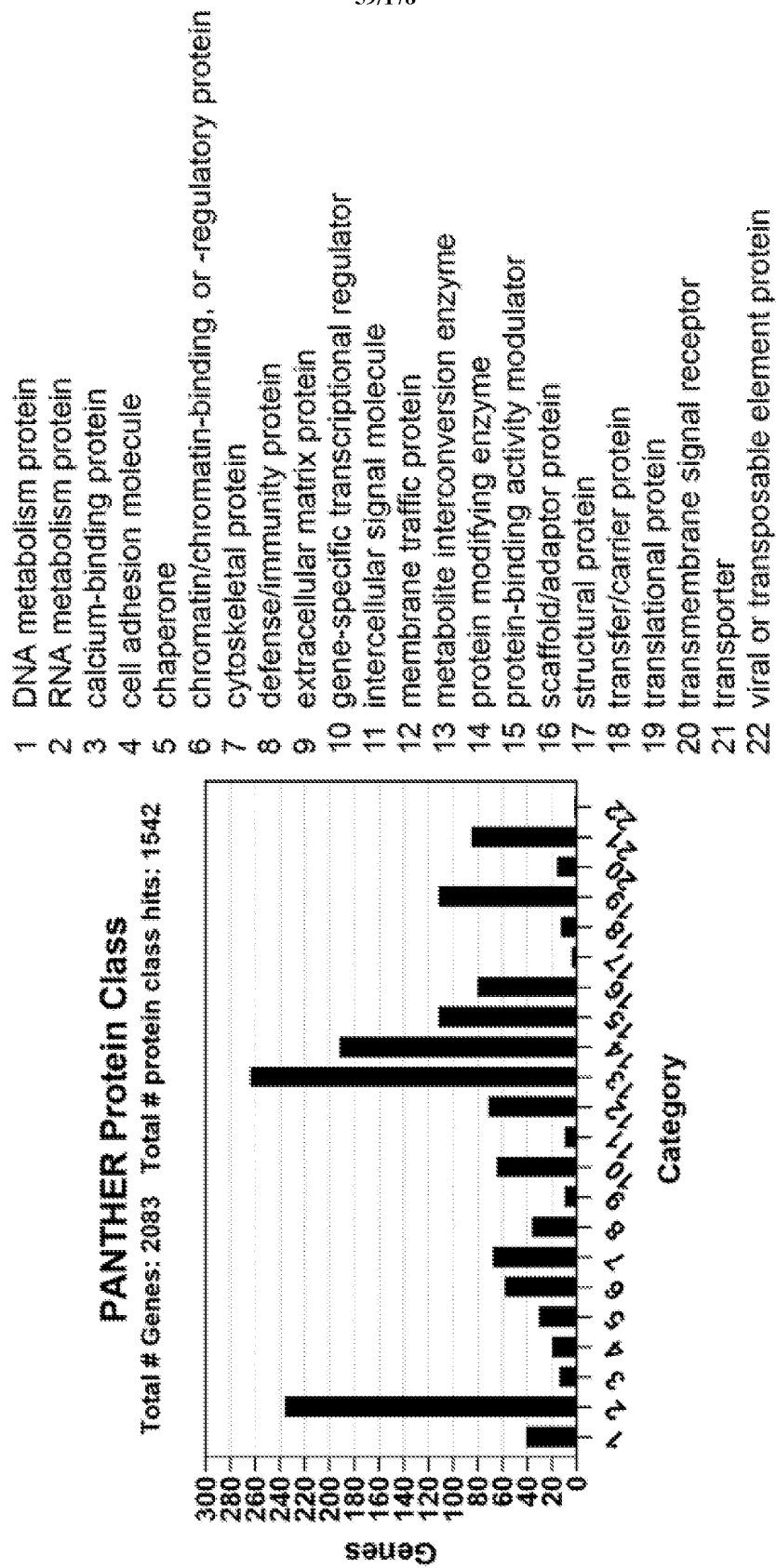


FIG. 59

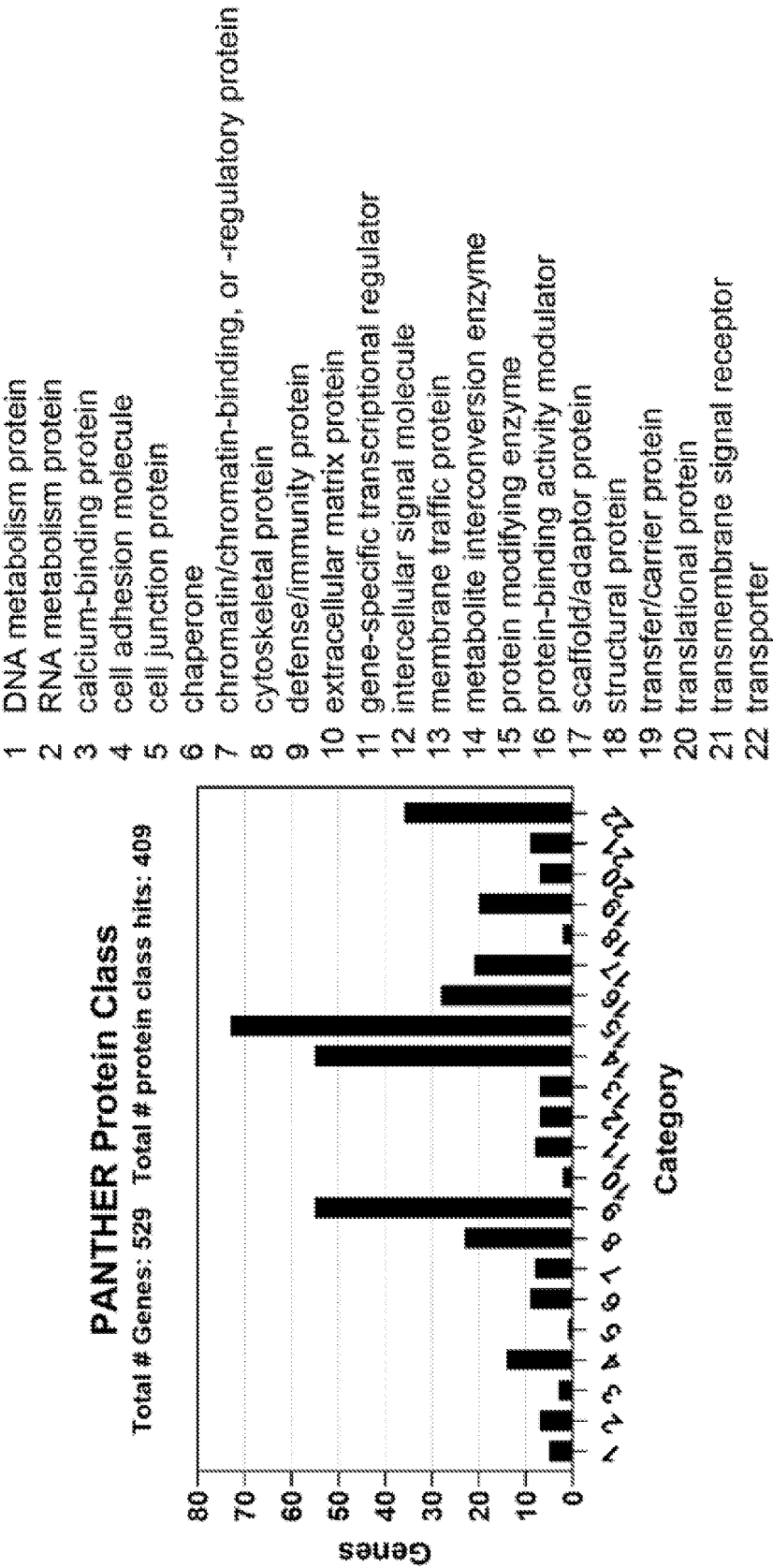


FIG. 60

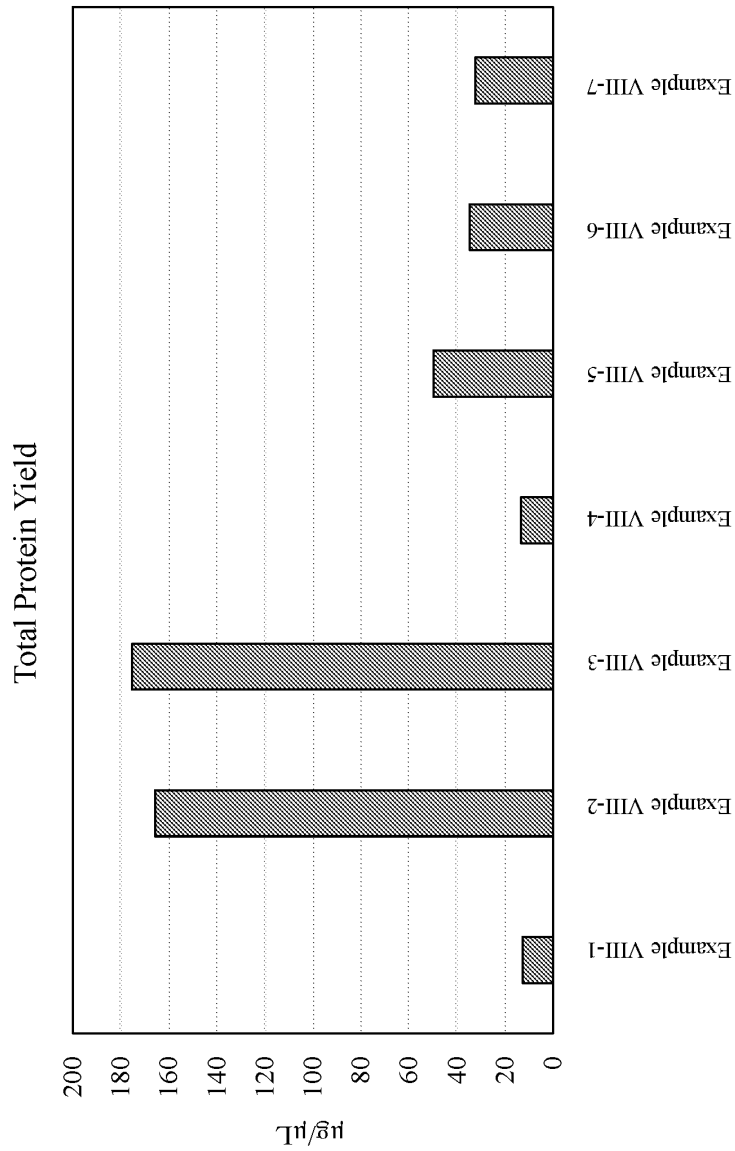


FIG. 61

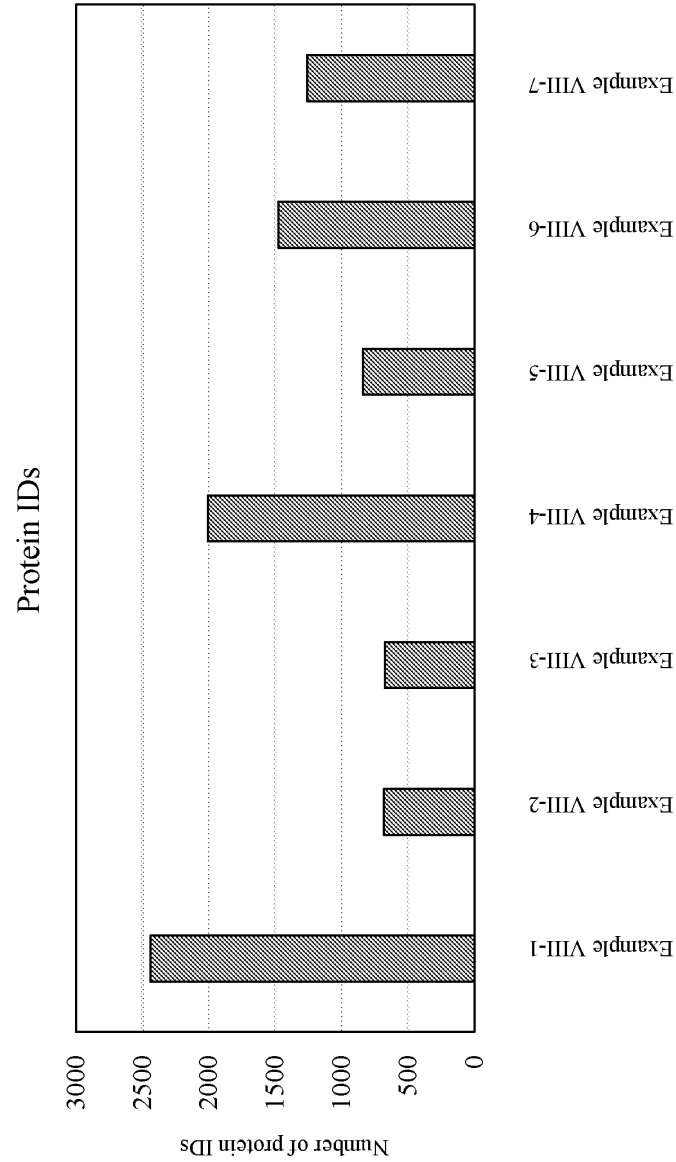


FIG. 62

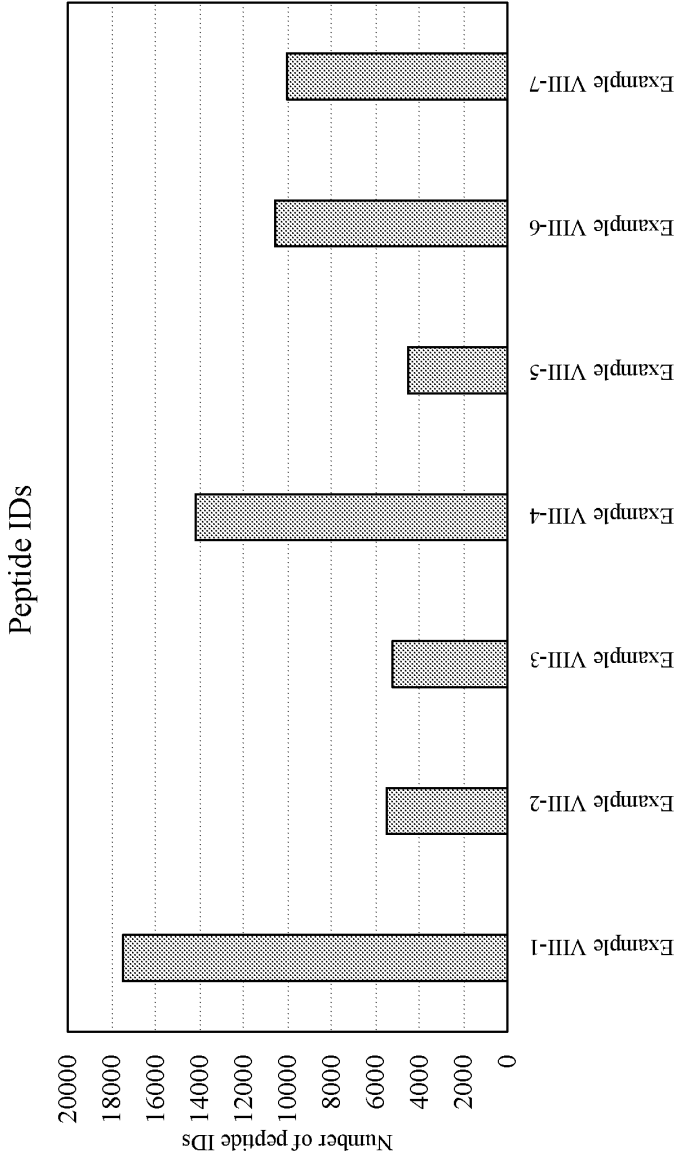


FIG. 63

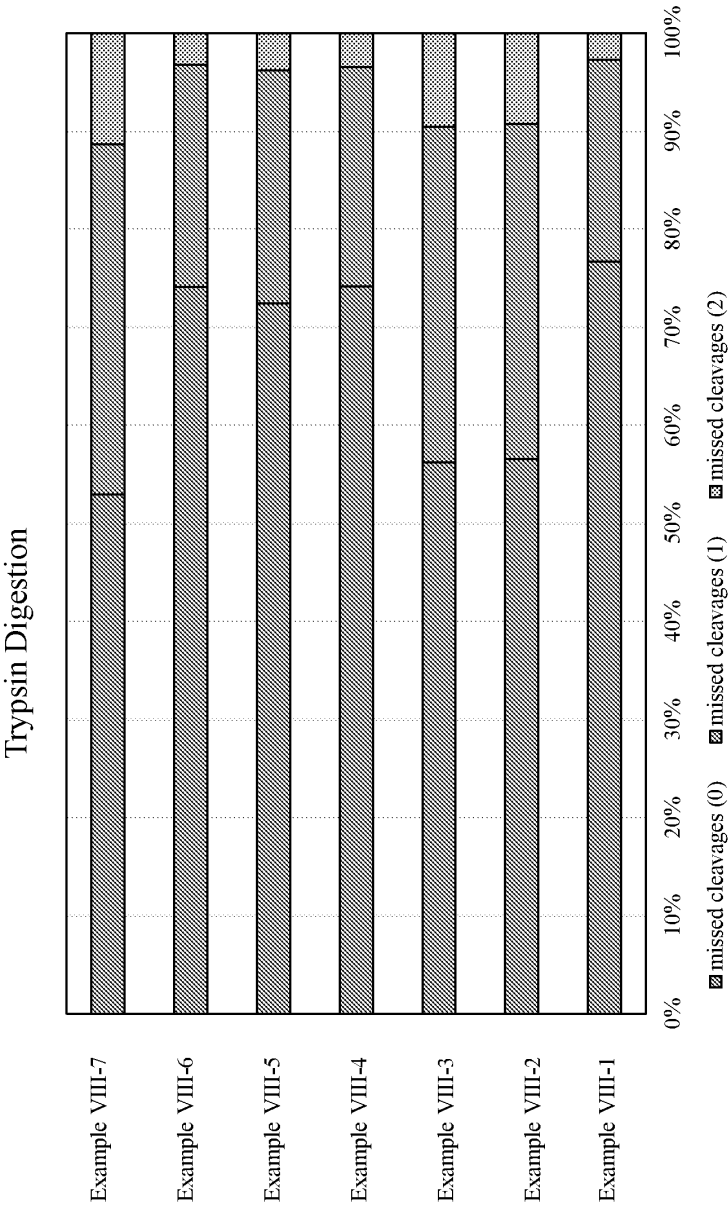


FIG. 64

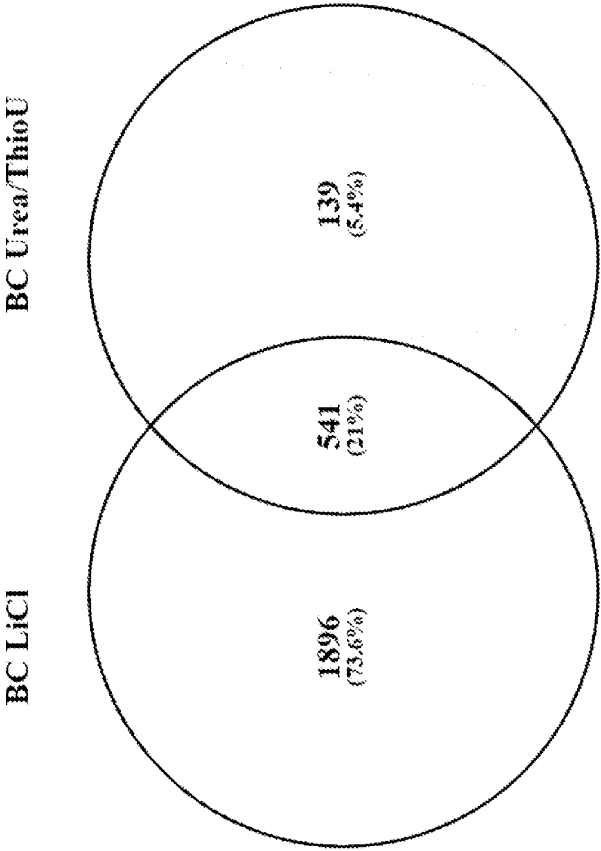


FIG. 65

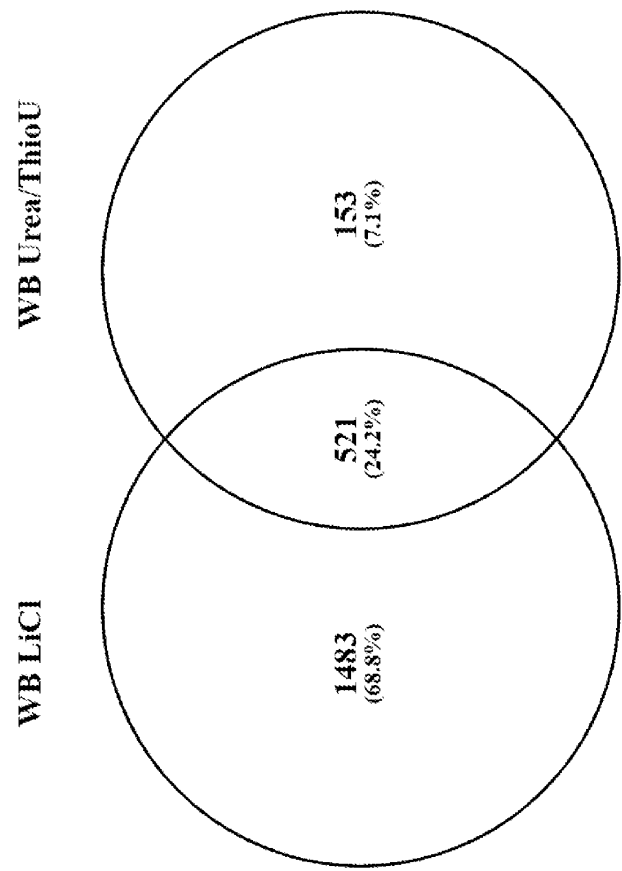


FIG. 66

Protein Group Name	Gene names	# Proteins	# Peptides
Apolipoprotein B-100	APOB	2	240
Spectrin alpha chain, erythrocytic 1	SPTA1	1	160
Spectrin beta chain, erythrocytic	SPTB	1	153
Myosin-9	MYH9	11	171
Filamin-A	FLNA	2	150
Talin-1	TLN1	1	136
von Willebrand factor	VWF	1	98
Ankyrin-1	ANK1	3	93
Complement C3	C3	3	75
Serum albumin	ALB	3	63
Fibronectin	FN1	1	57
Latent-transforming growth factor beta-binding protein 1	LTBP1	2	56
Alpha-2-macroglobulin	A2M	3	55
Clathrin heavy chain 1	CLTC	2	51
Lactotransferrin	LTF	3	50
Integrin alpha-IIb	ITGA2B	1	48
Band 3 anion transport protein	SLC4A1	1	47
E3 ubiquitin-protein ligase UBR4	UBR4	1	46
Coagulation factor V	F5	1	50

FIG. 67

<i>Protein names</i>	<i>Gene names</i>	<i># Proteins</i>	<i># Peptides</i>
<i>Apolipoprotein B-100</i>	<i>APOB</i>	2	250
<i>Complement C3</i>	<i>C3</i>	2	142
<i>Spectrin alpha chain, erythrocytic 1</i>	<i>SPTA1</i>	1	121
<i>Talin-1</i>	<i>TLN1</i>	2	115
<i>Serum albumin</i>	<i>ALB</i>	3	112
<i>Spectrin beta chain, erythrocytic</i>	<i>SPTB</i>	3	110
<i>Myosin-9</i>	<i>MYH9</i>	4	107
<i>Filamin-A</i>	<i>FLNA</i>	3	97
<i>Serotransferrin</i>	<i>TF</i>	2	85
<i>Alpha-2-macroglobulin</i>	<i>A2M</i>	3	76
<i>Fibronectin</i>	<i>FN1</i>	1	69
<i>Ankyrin-1</i>	<i>ANK1</i>	3	68
<i>Complement factor H</i>	<i>CFH</i>	2	62
<i>Fibrinogen alpha chain</i>	<i>FGA</i>	2	55
<i>Fibrinogen beta chain</i>	<i>FGB</i>	2	47
<i>Vinculin</i>	<i>VCL</i>	1	42
<i>Ceruloplasmin</i>	<i>CP</i>	2	41
<i>Plasminogen</i>	<i>PLG</i>	3	41
<i>Complement factor B</i>	<i>CFB</i>	1	40

FIG. 68

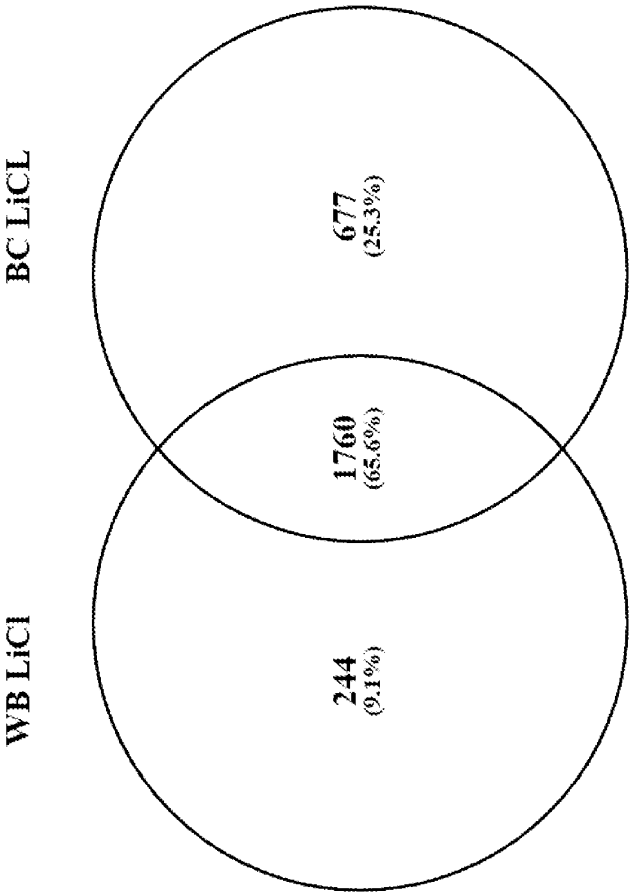


FIG. 69

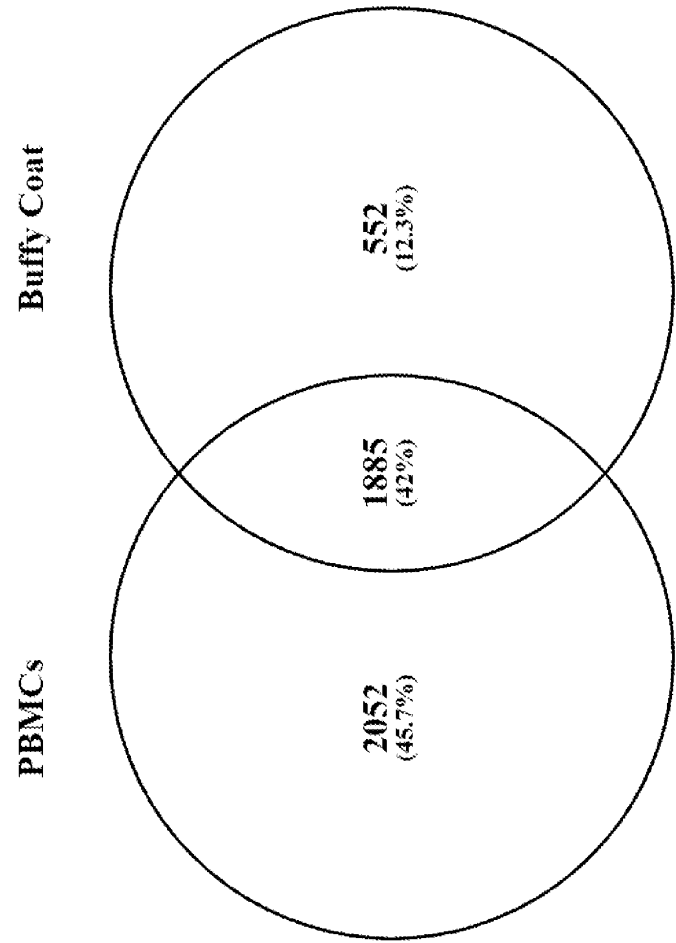


FIG. 70

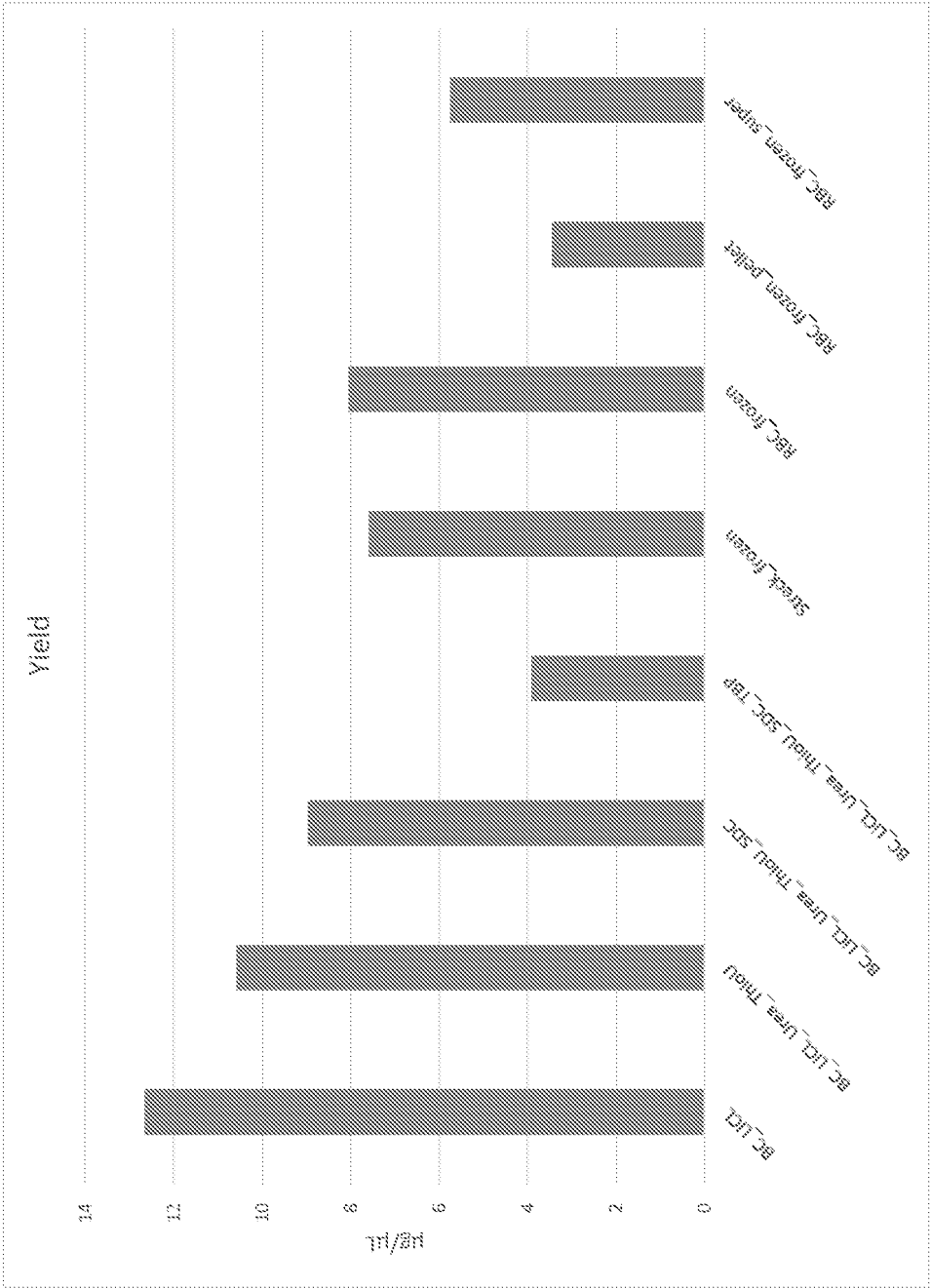


FIG. 71

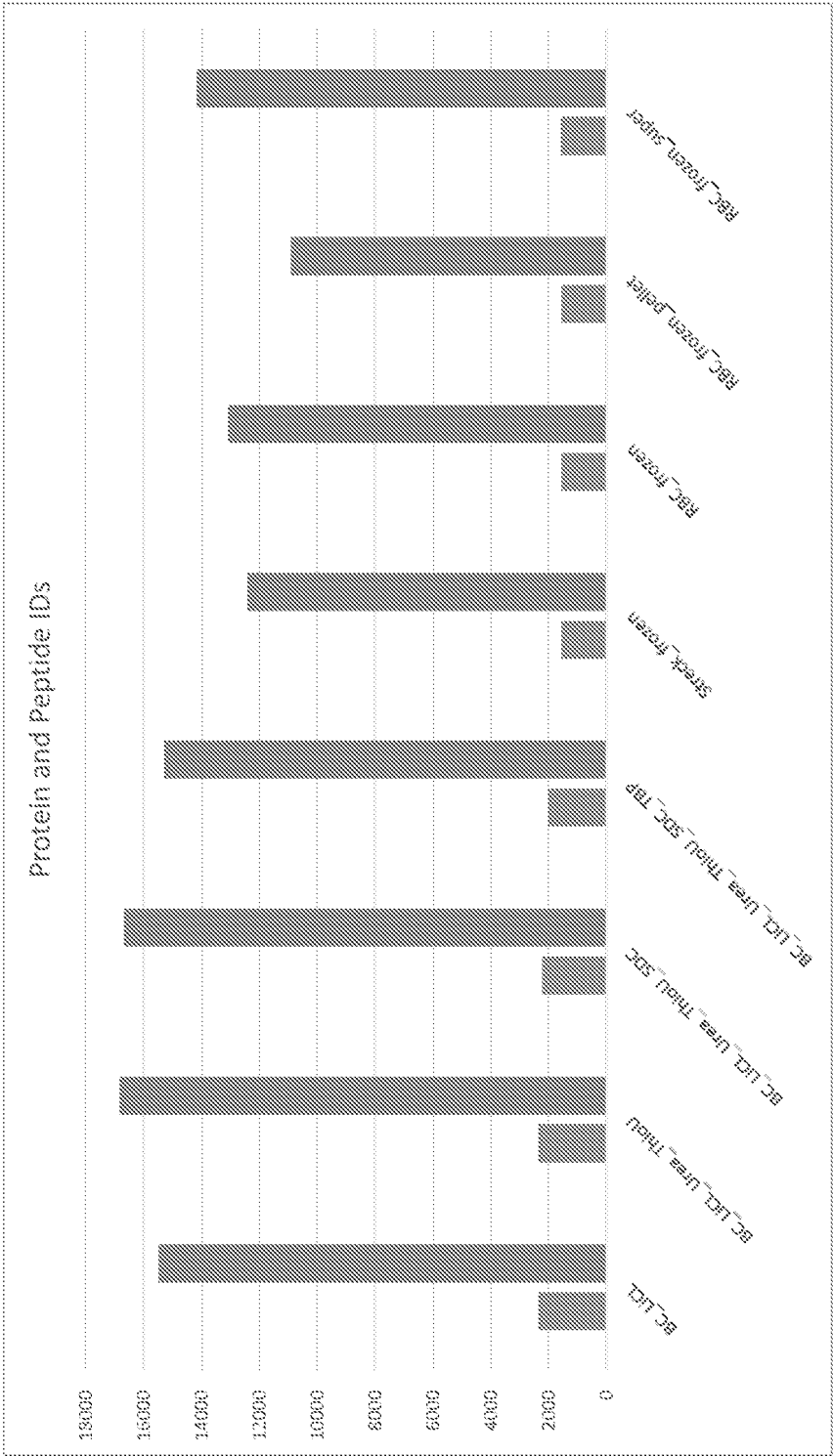


FIG. 72

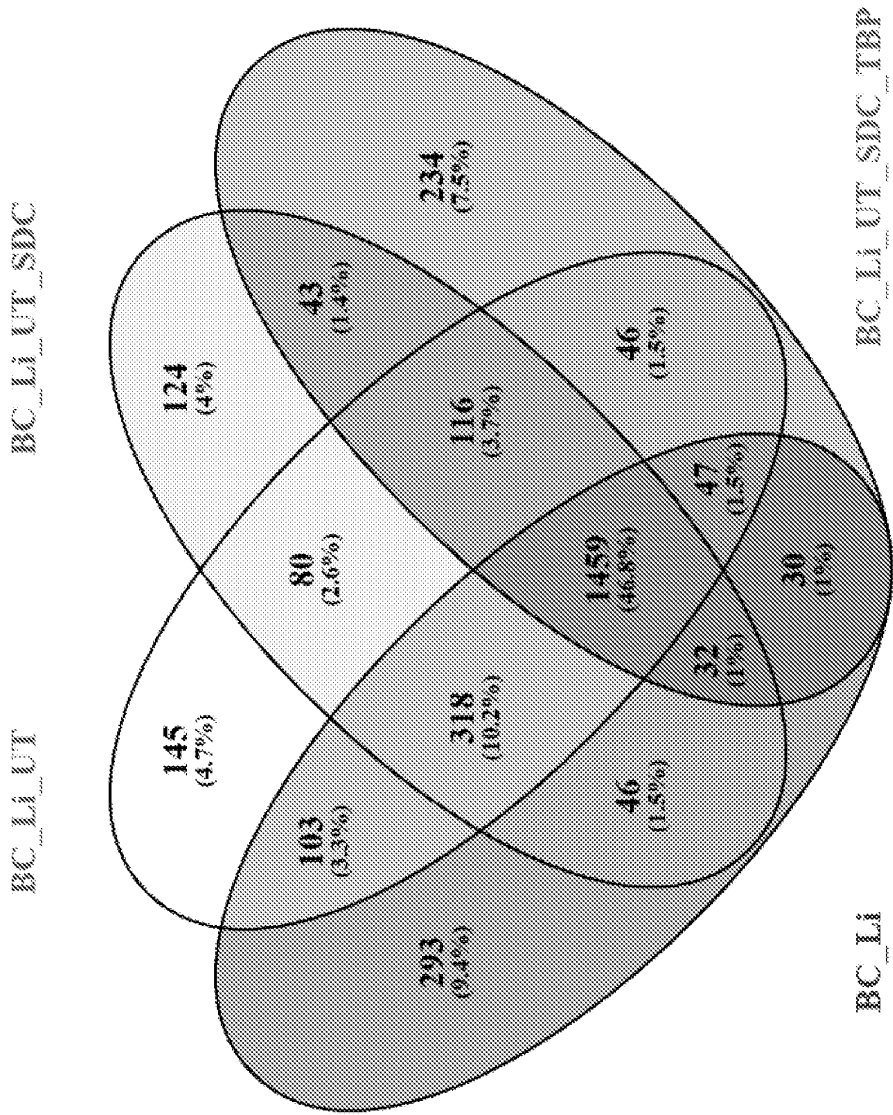


FIG. 73

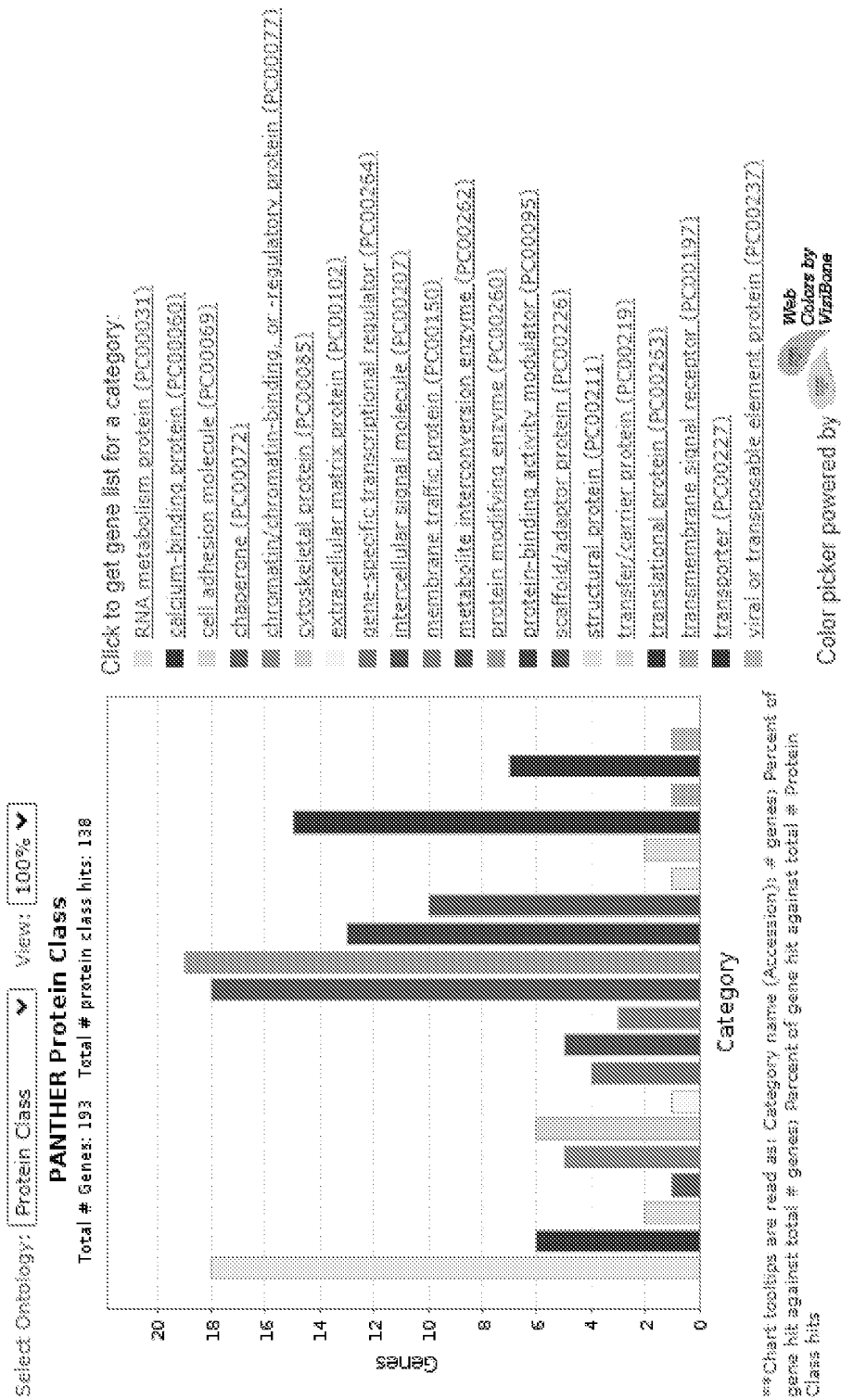
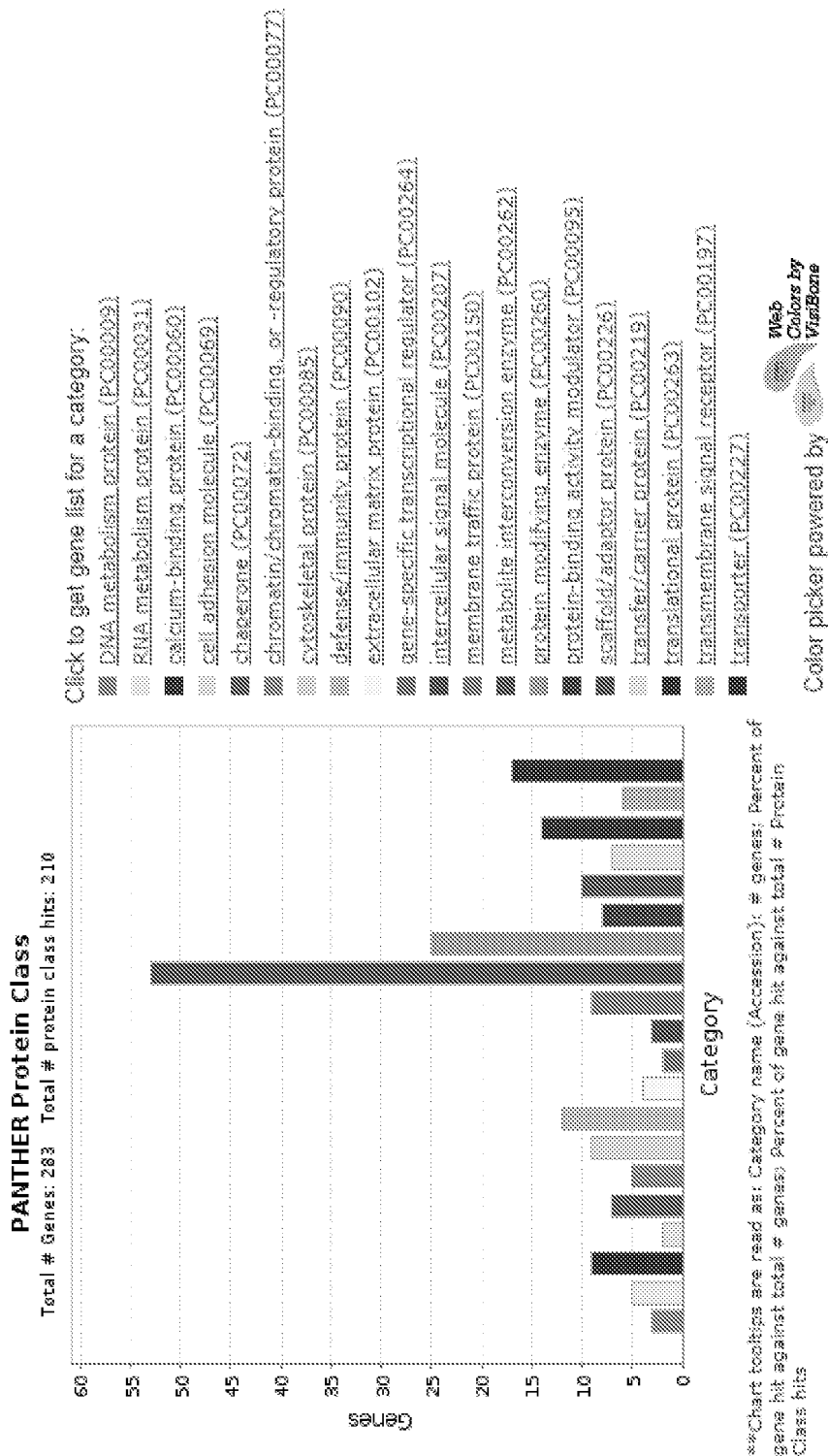


FIG. 74



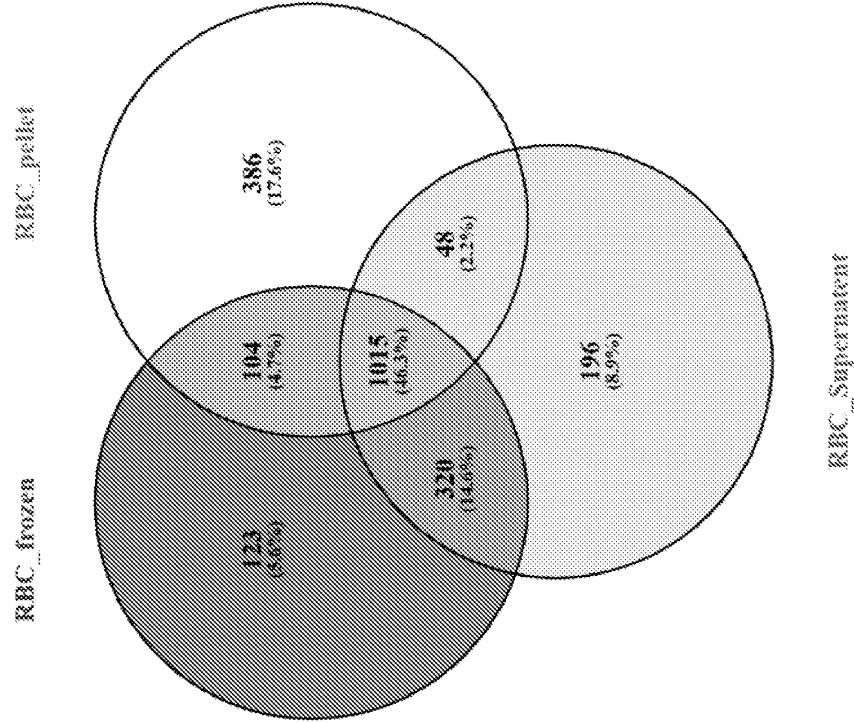


FIG. 76

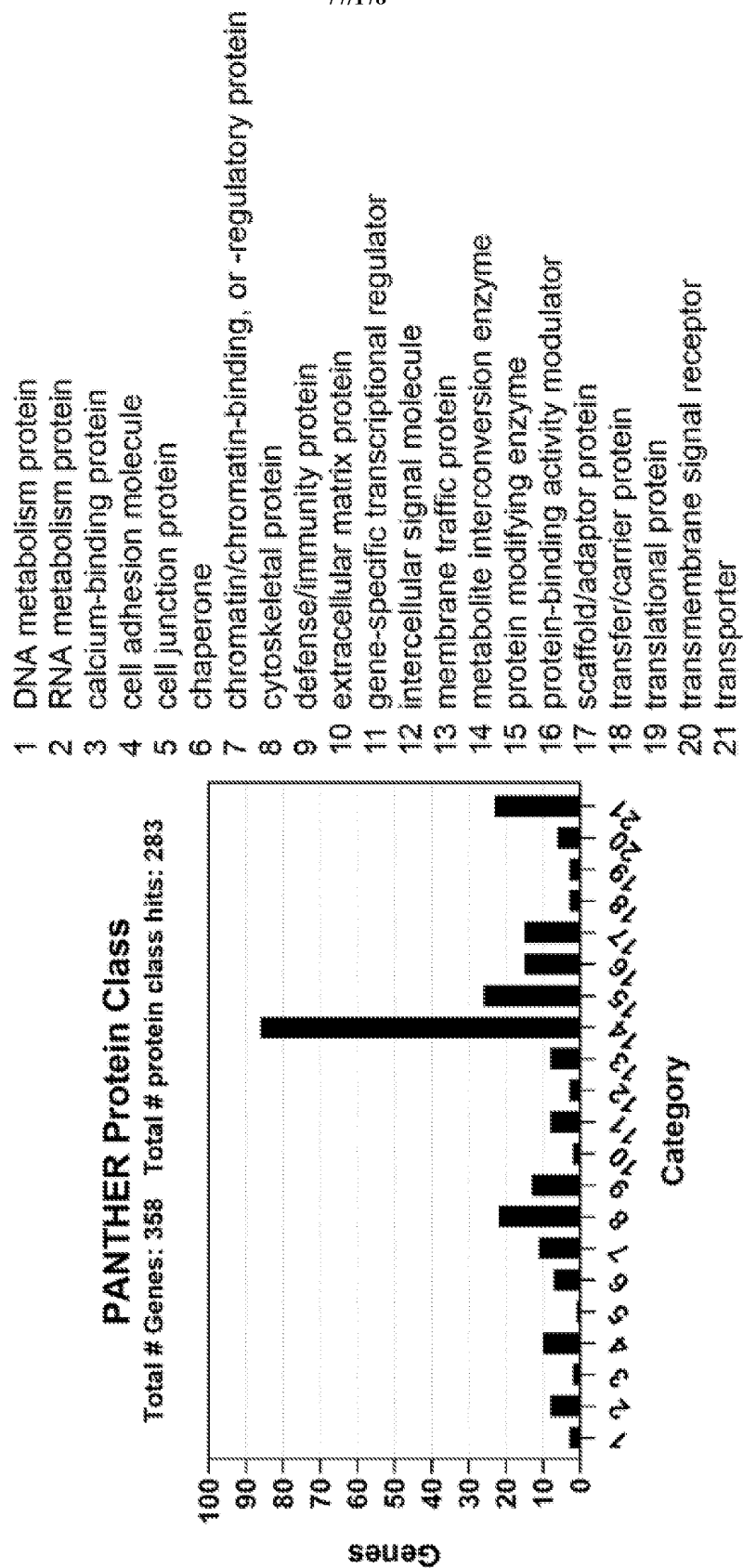


FIG. 77

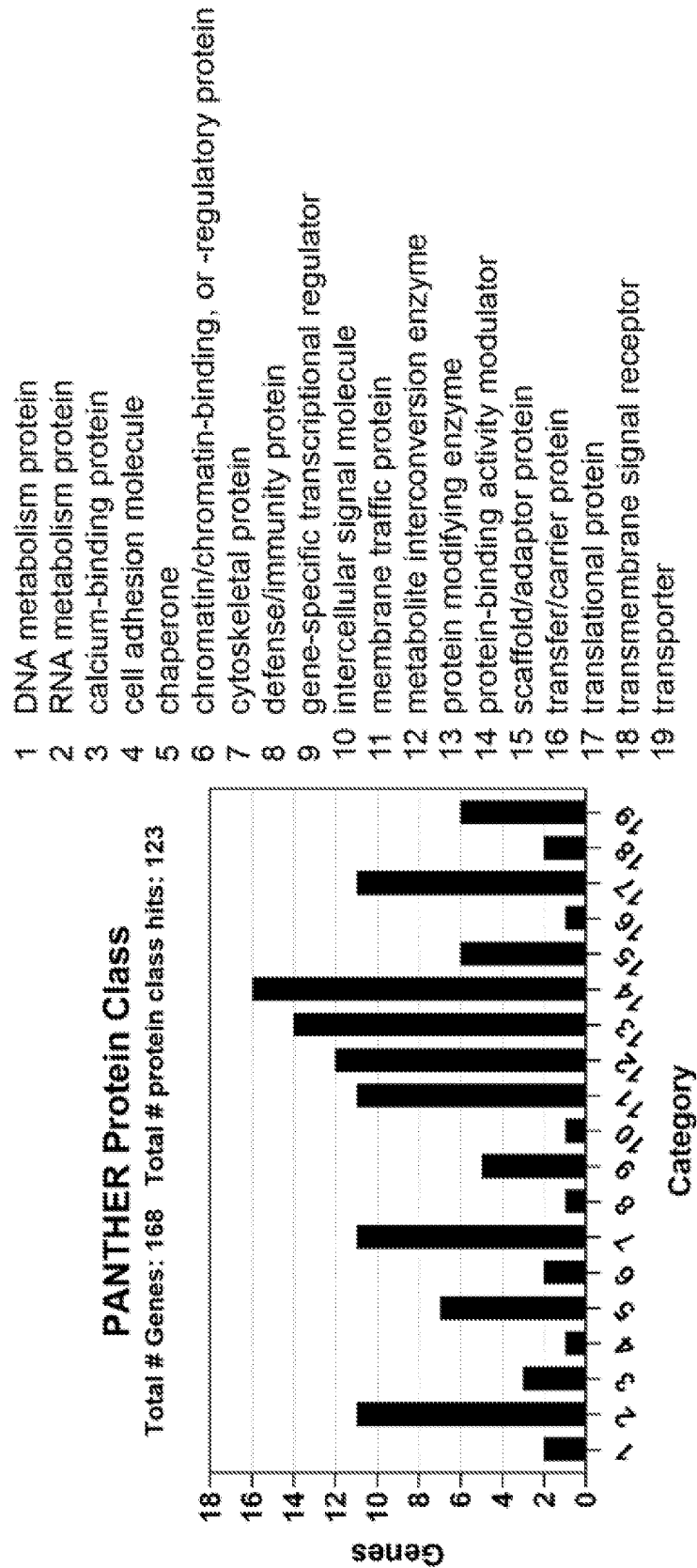


FIG. 78

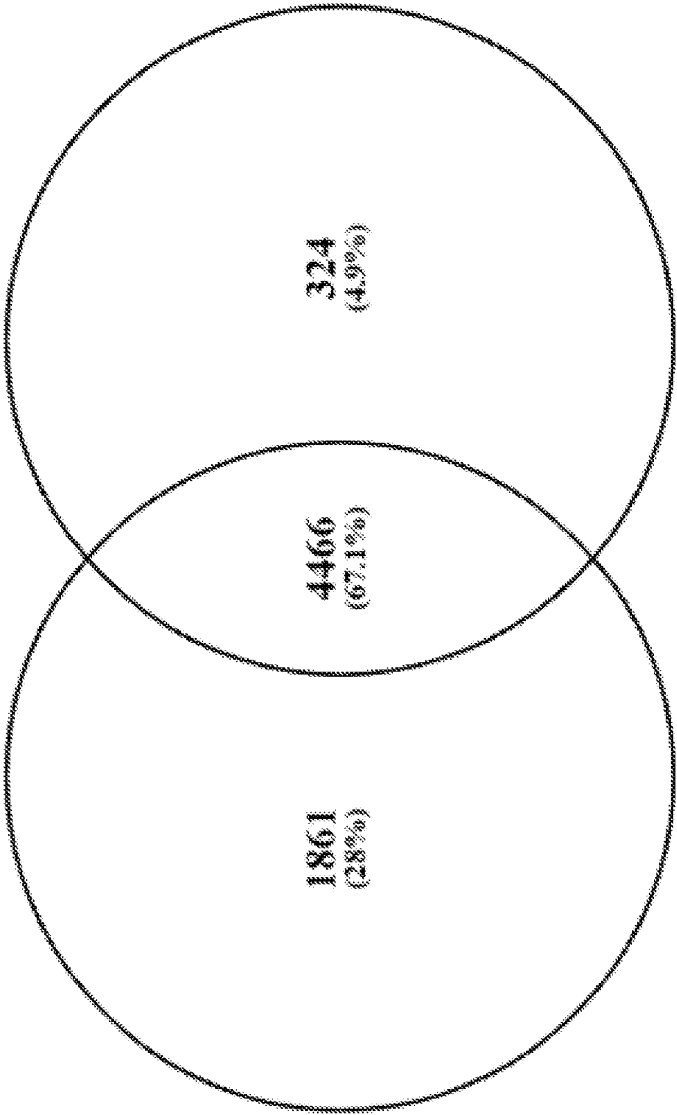


FIG. 79

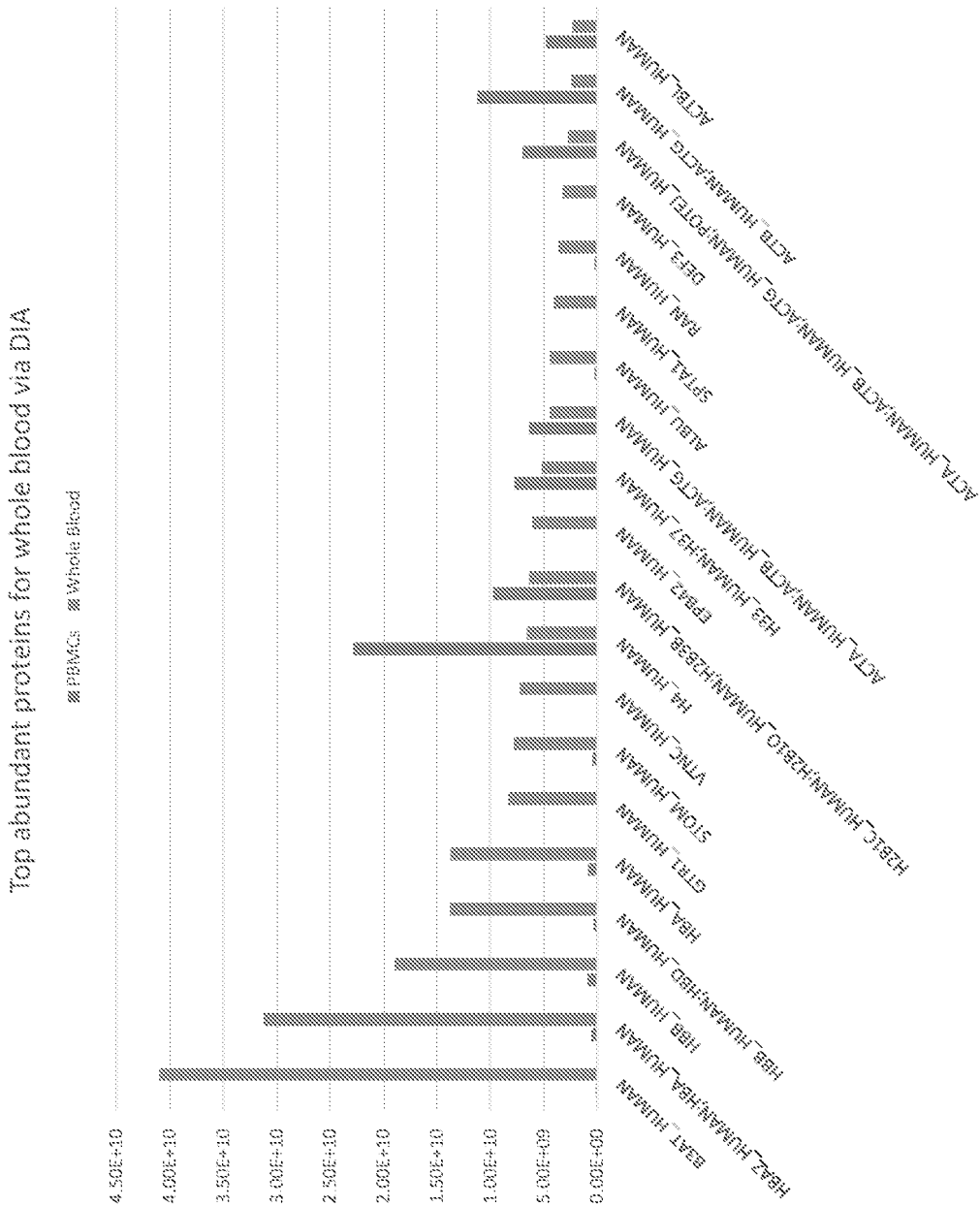


FIG. 80

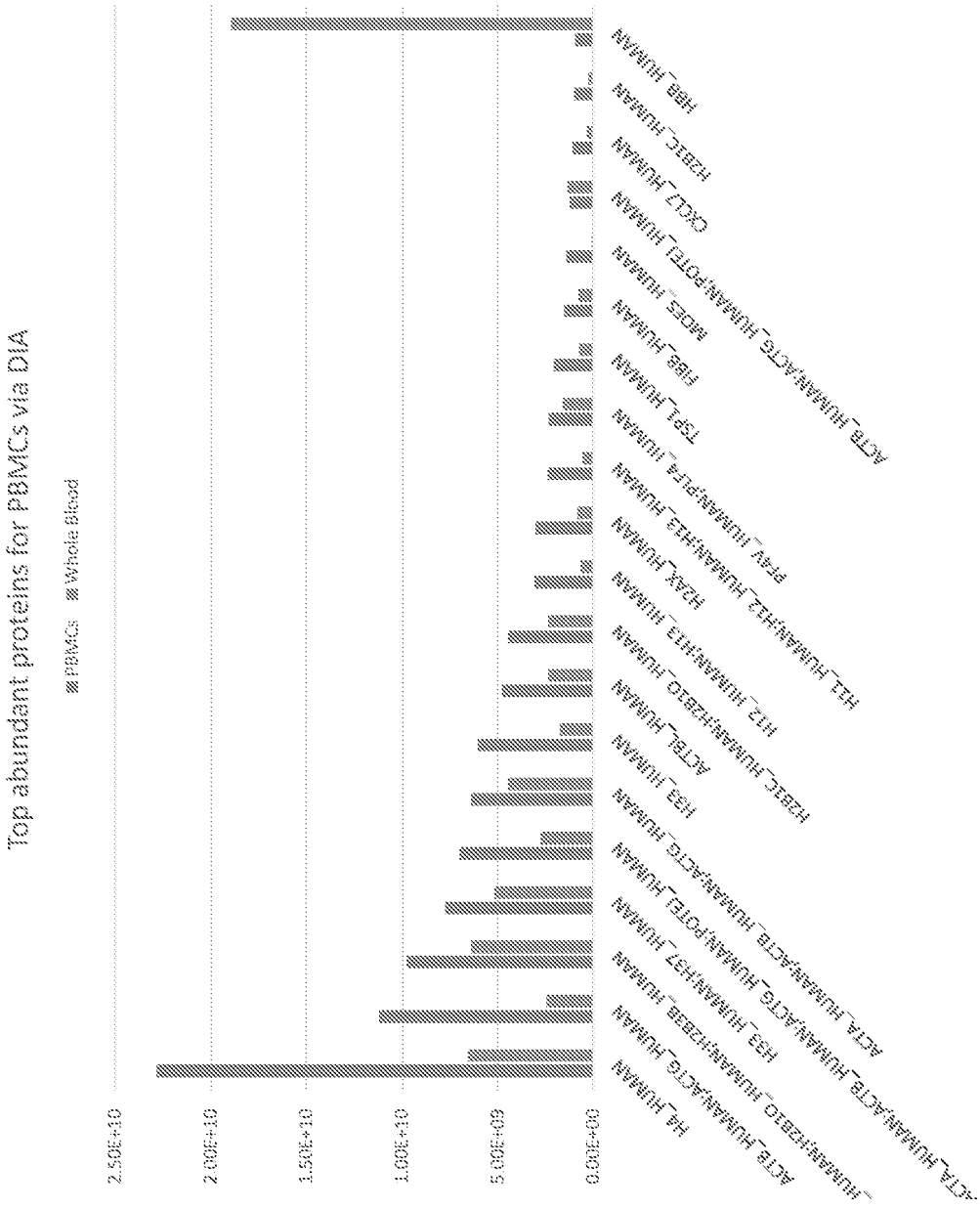


FIG. 81

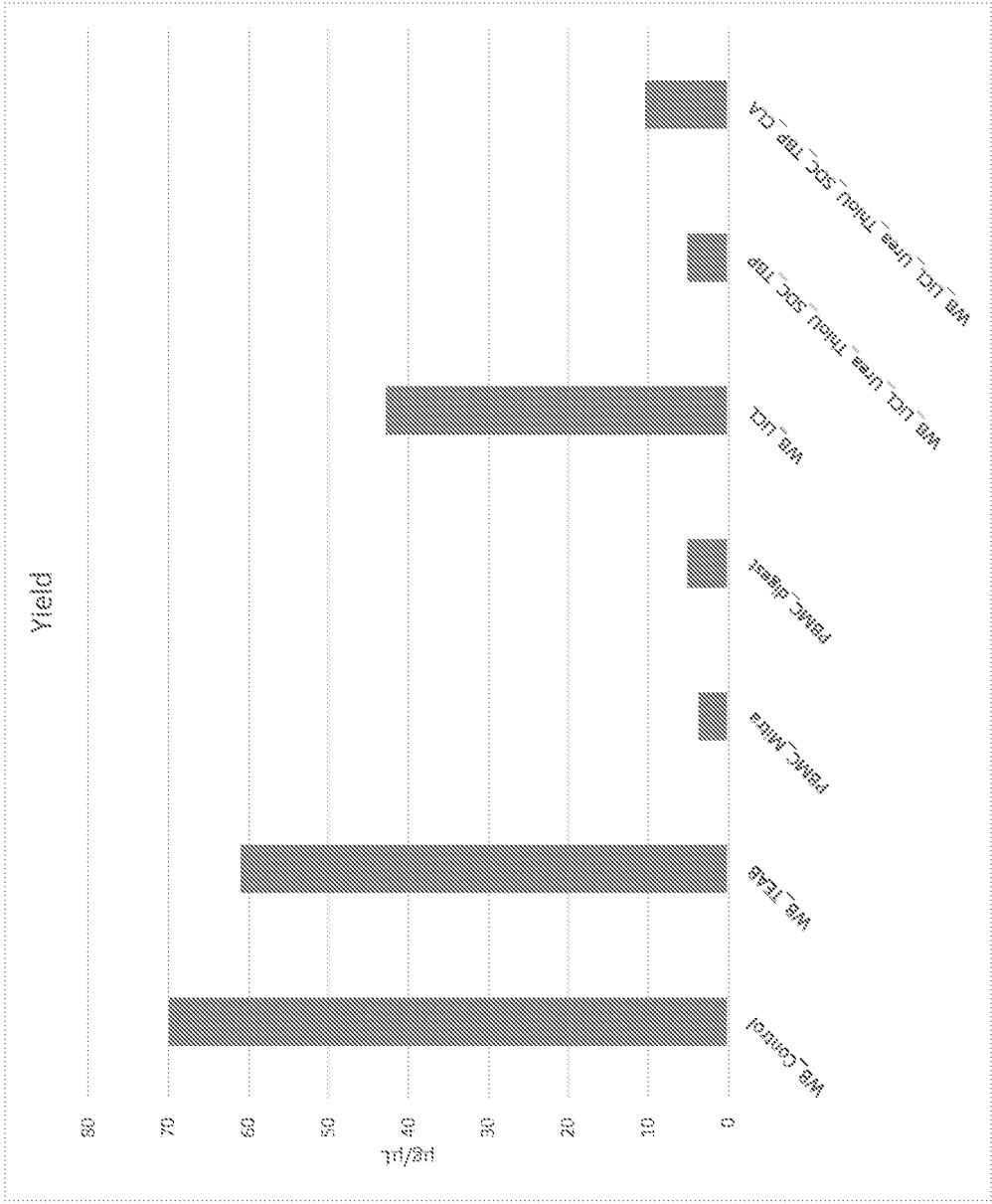


FIG. 82

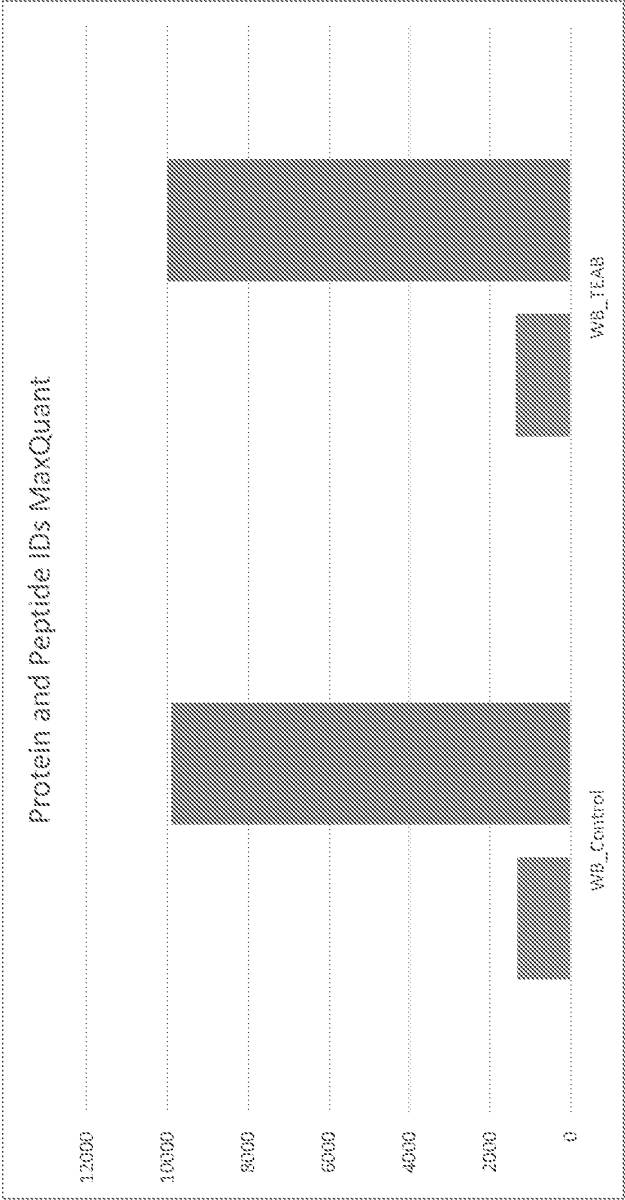


FIG. 83

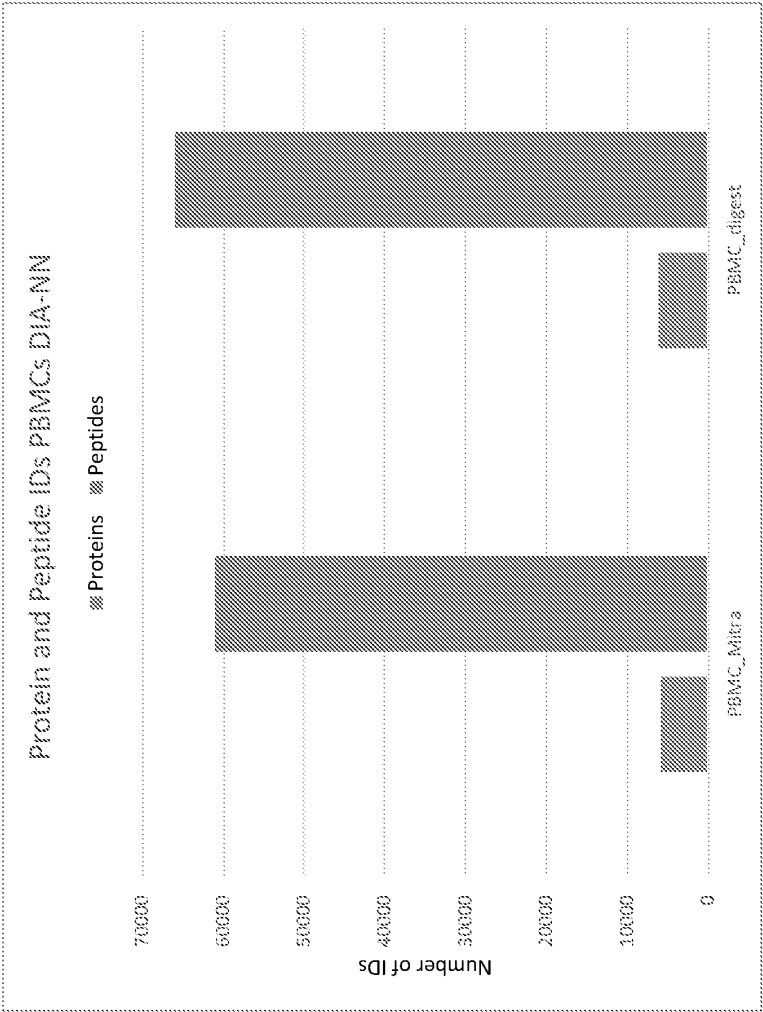


FIG. 84

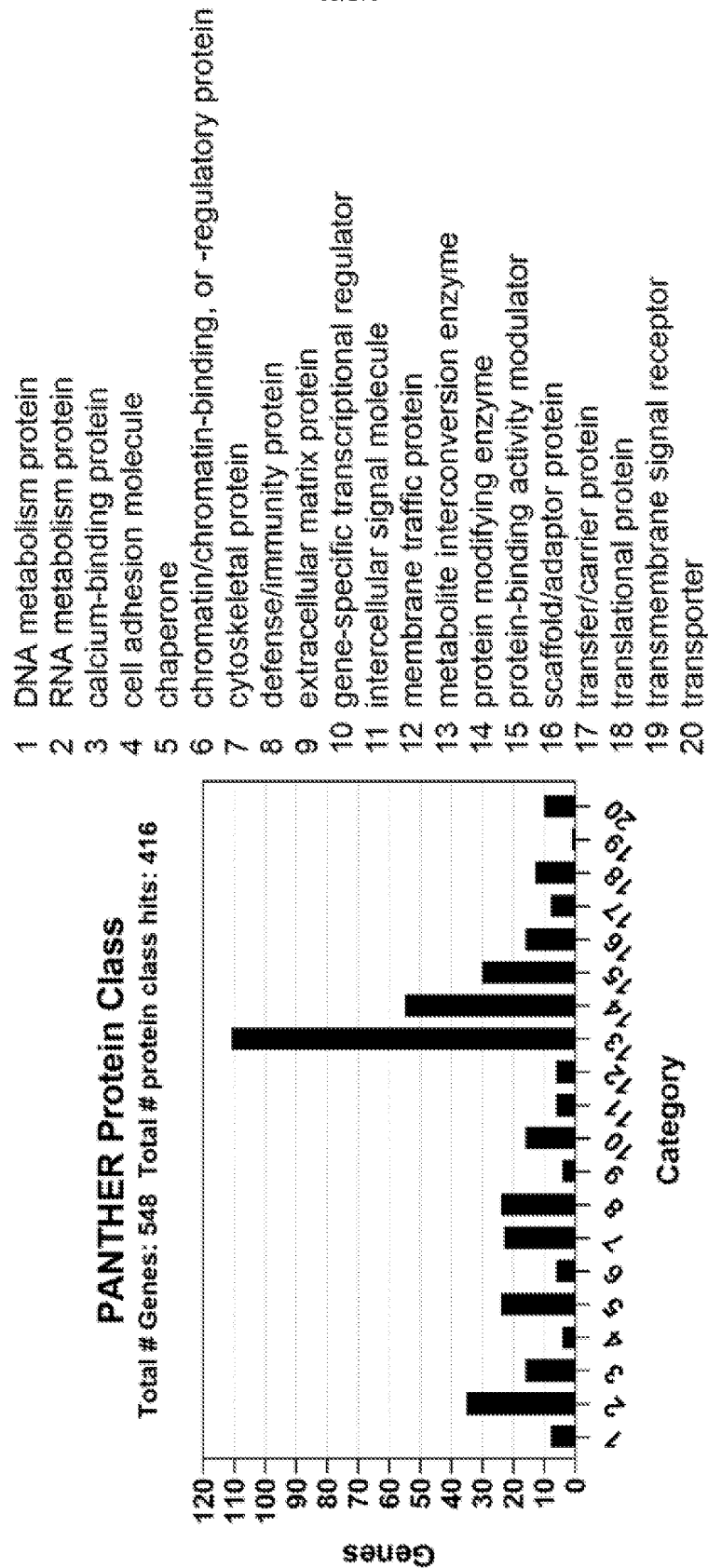


FIG. 85

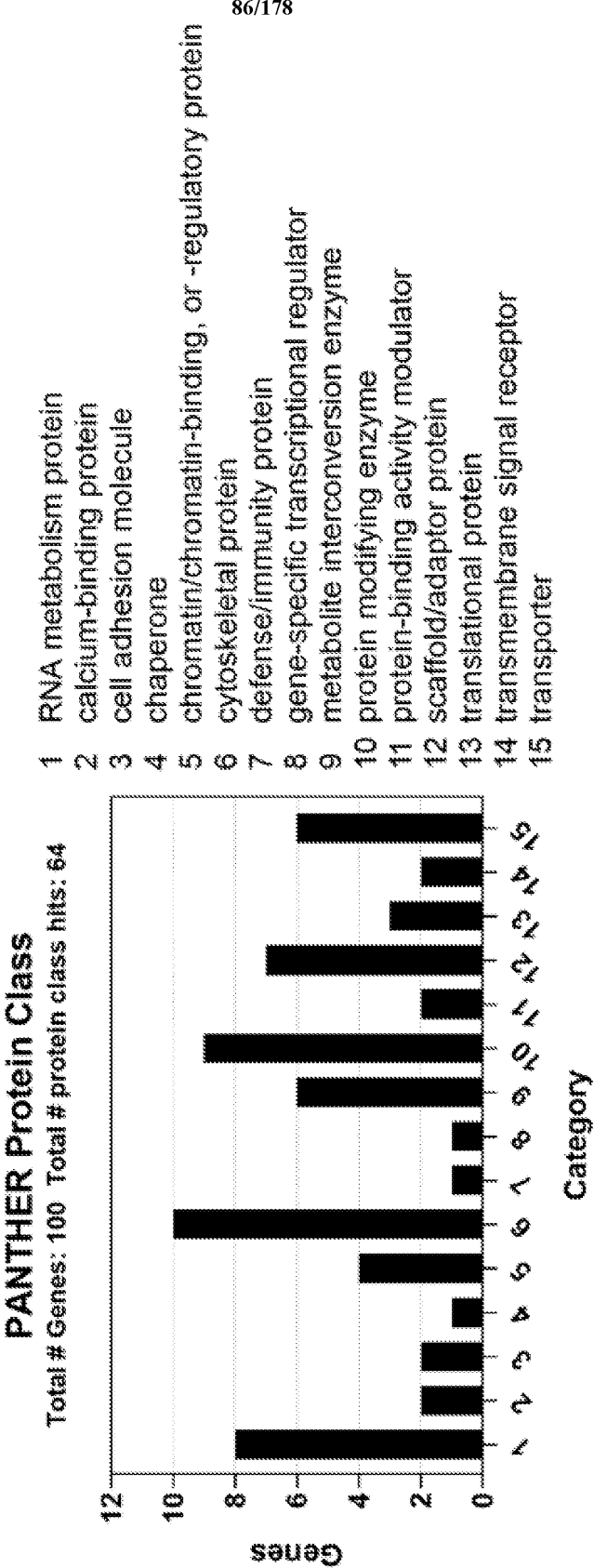


FIG. 86

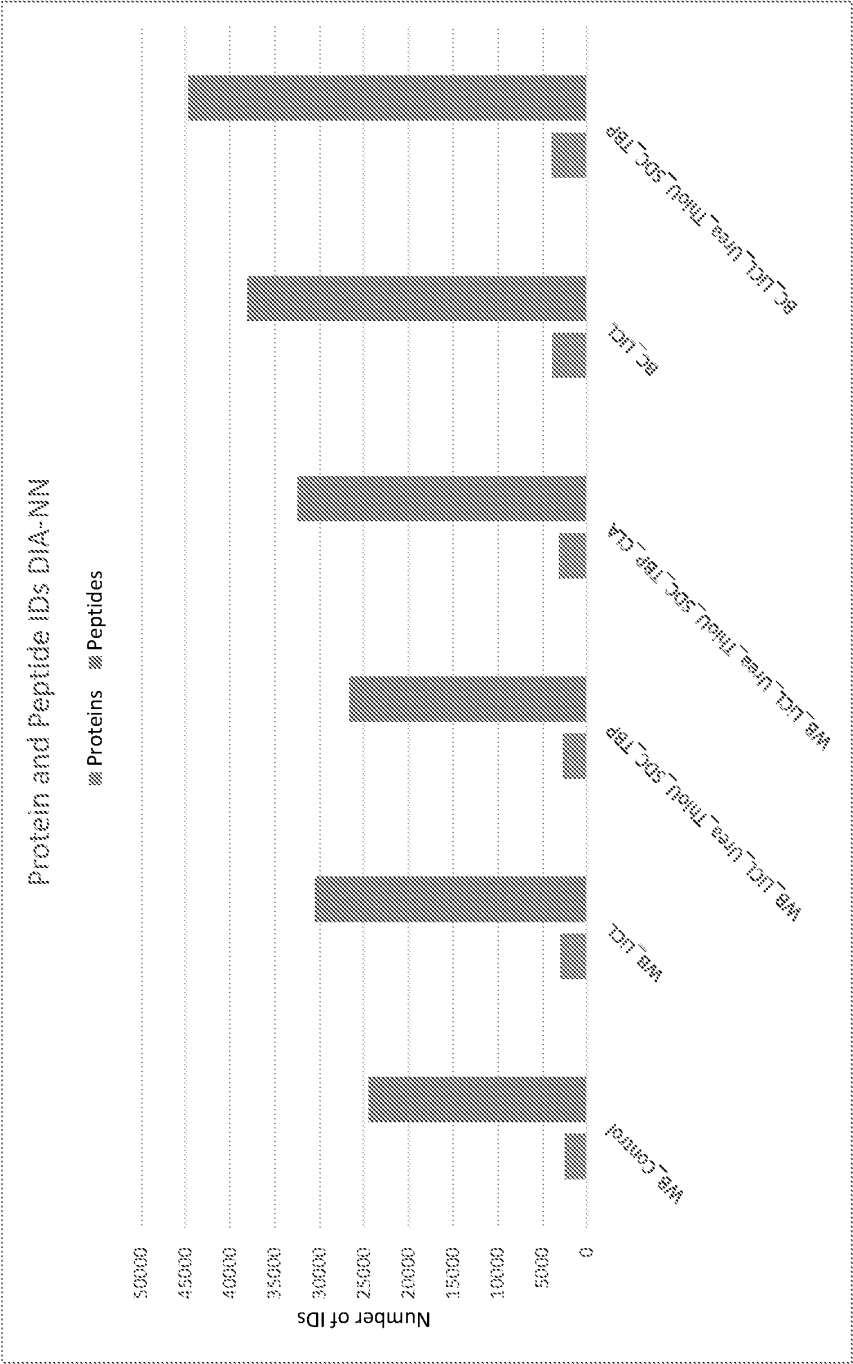


FIG. 87

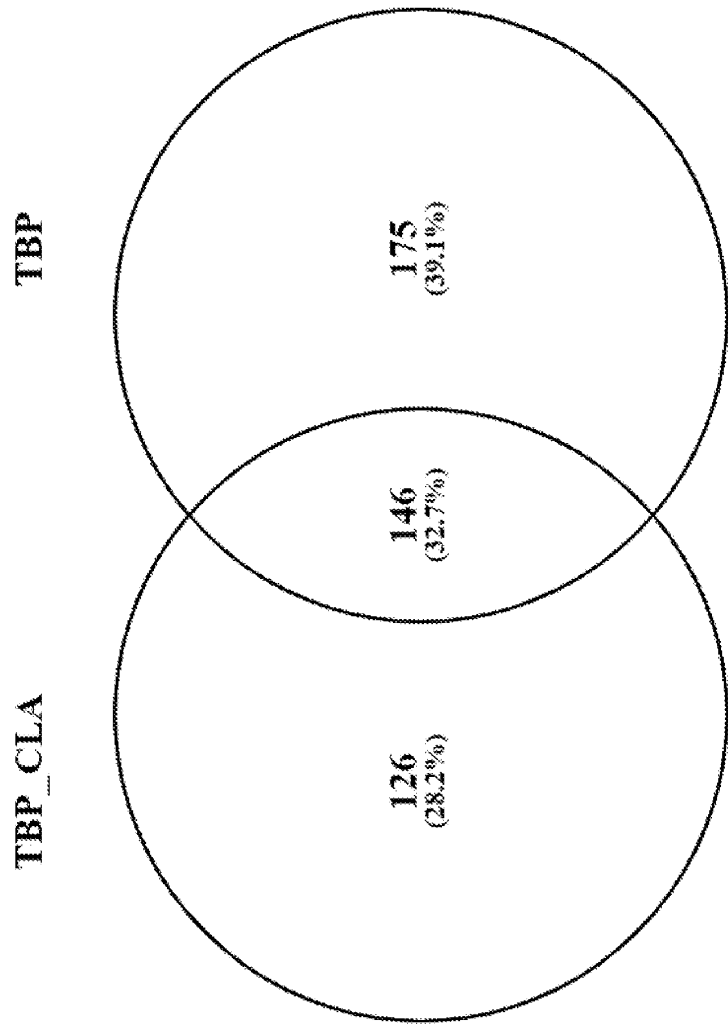


FIG. 88

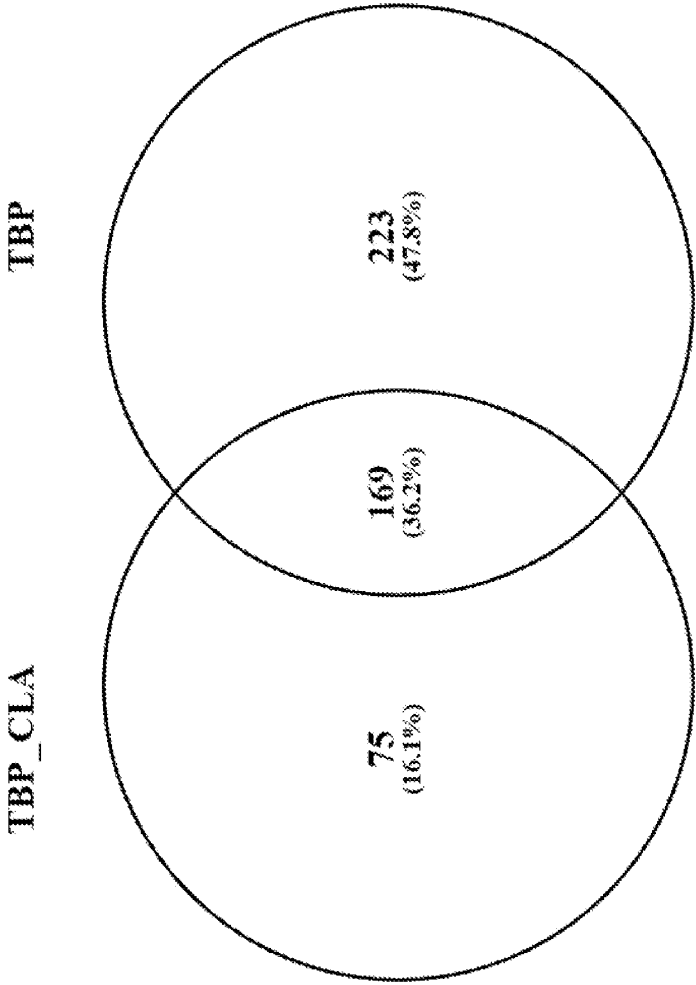


FIG. 89

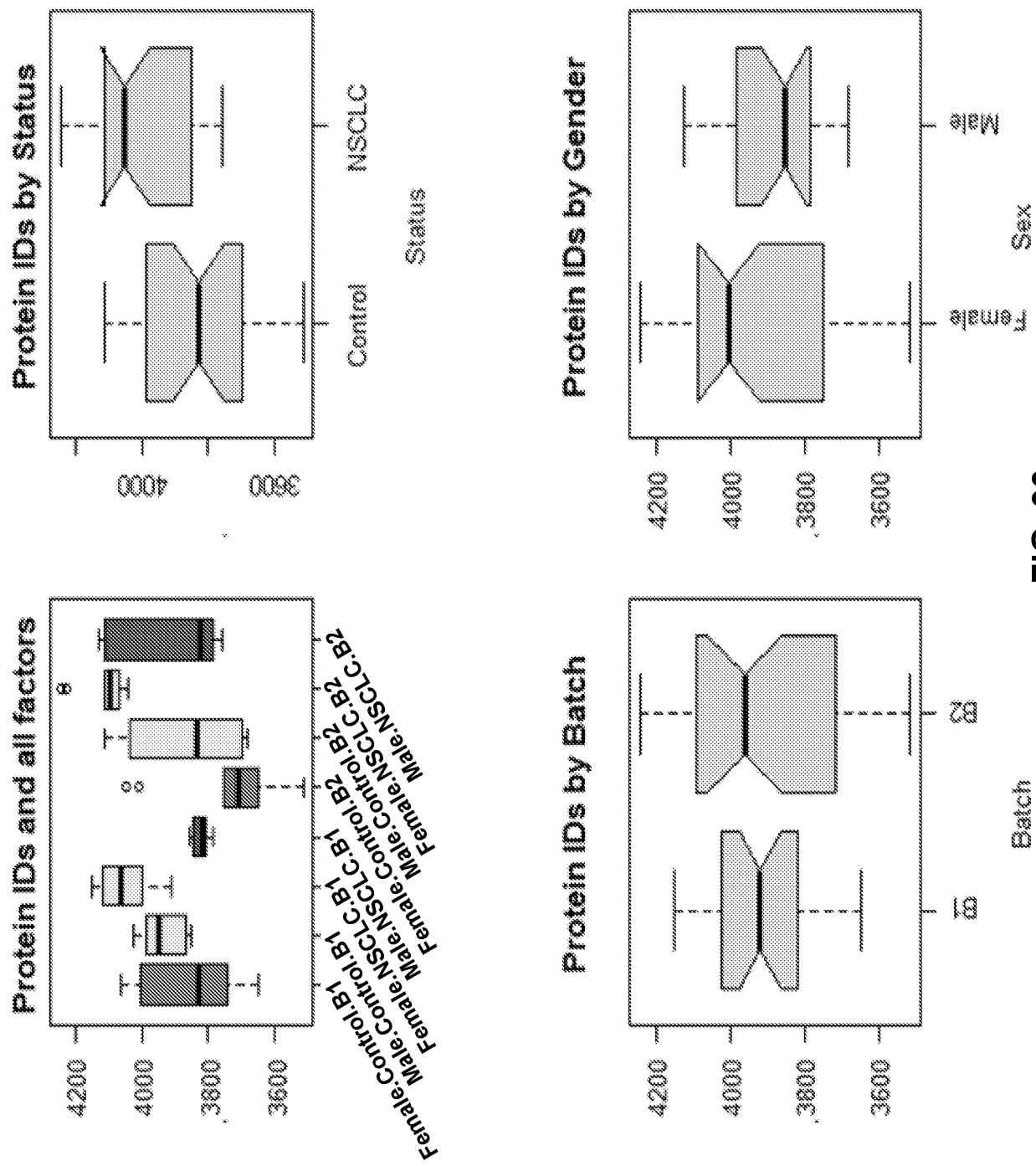


FIG. 90

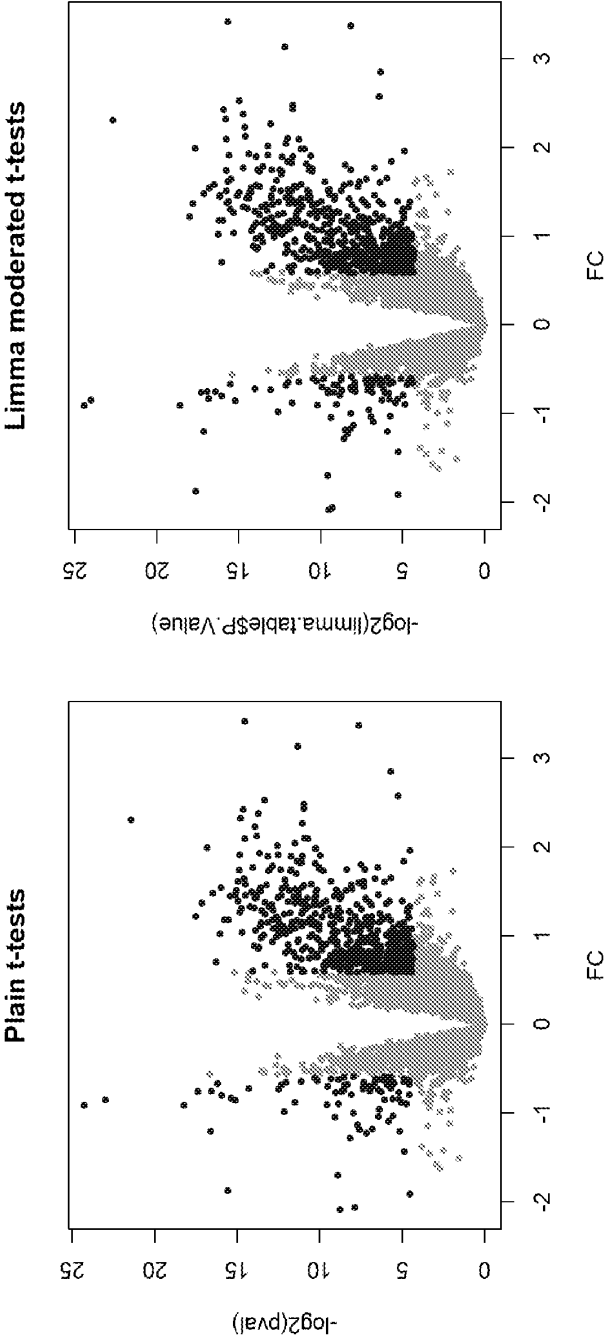


FIG. 91

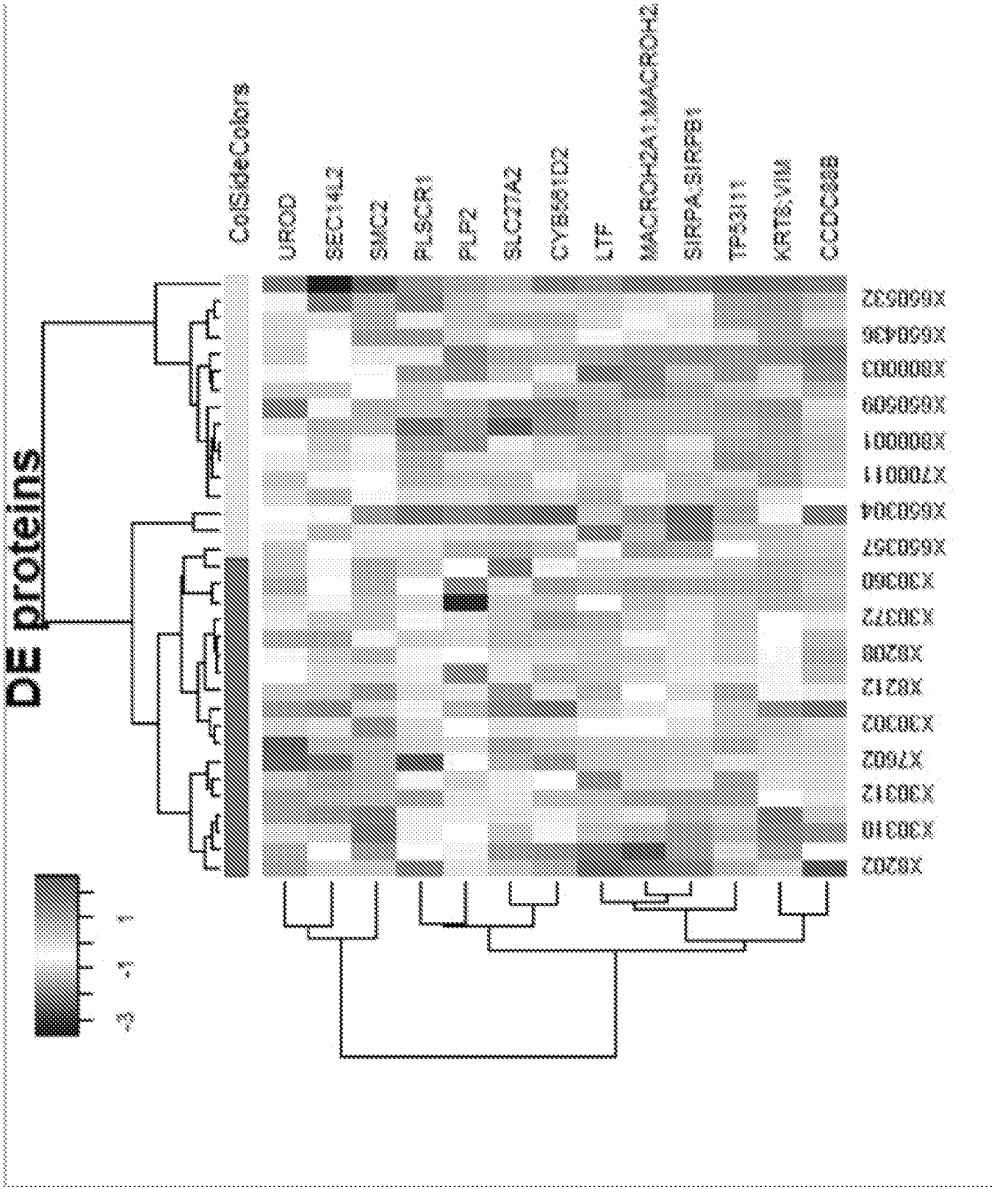


FIG. 92

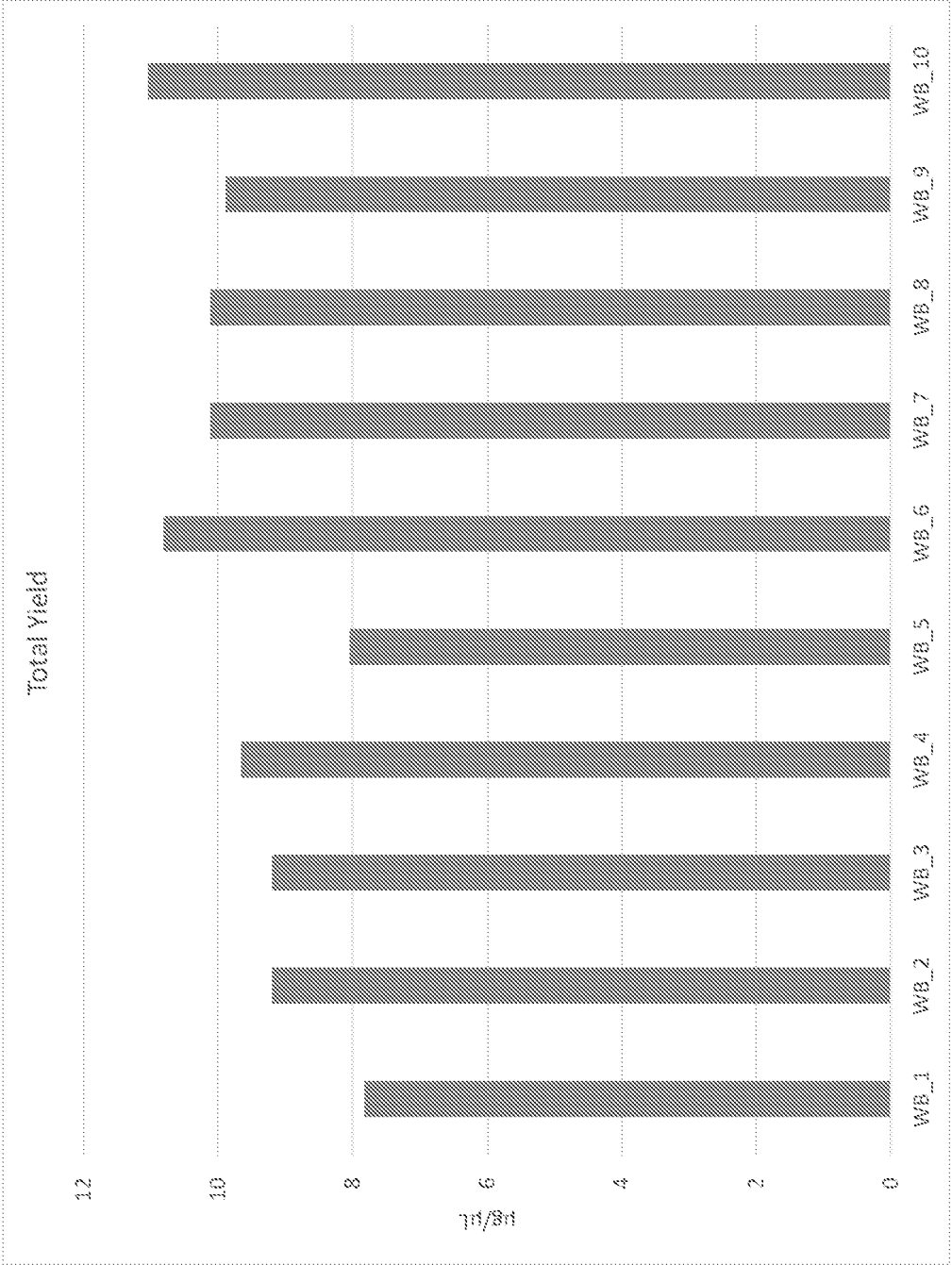


FIG. 93

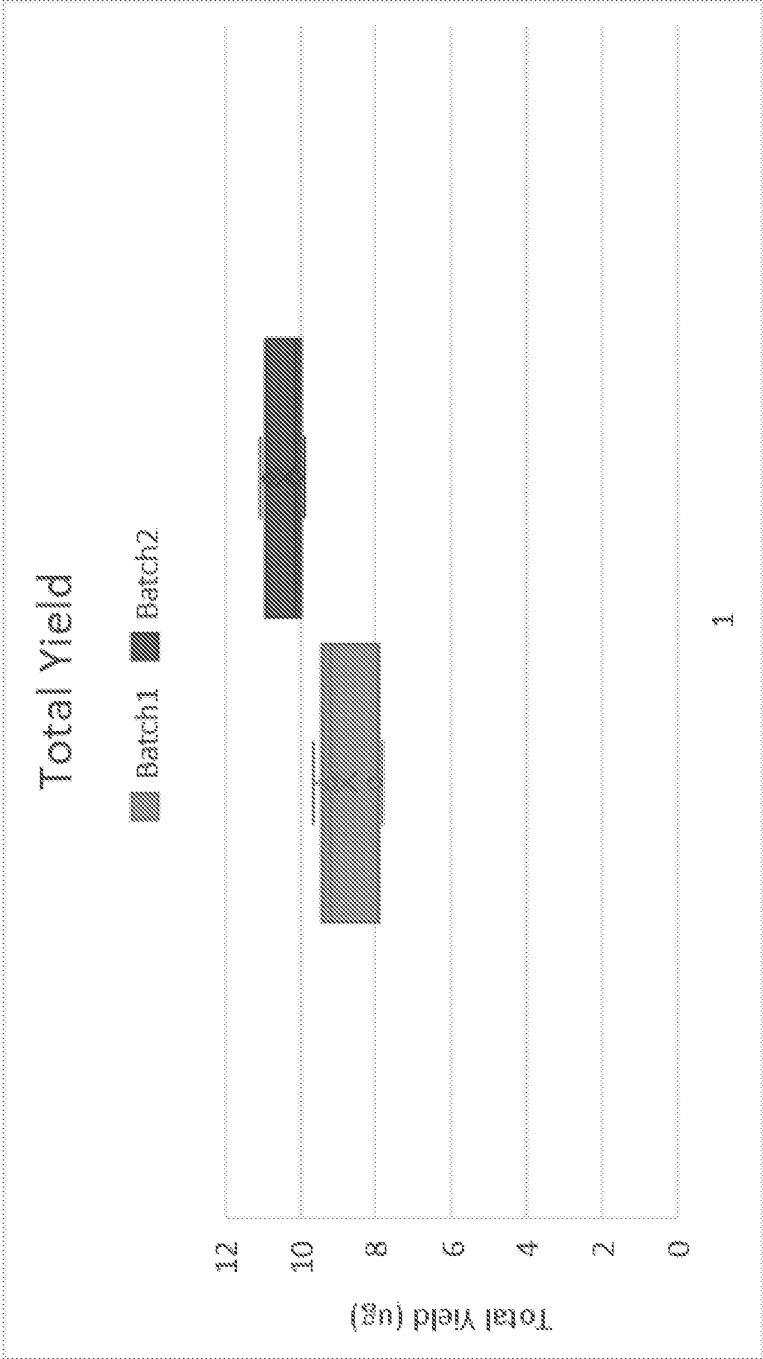


FIG. 94

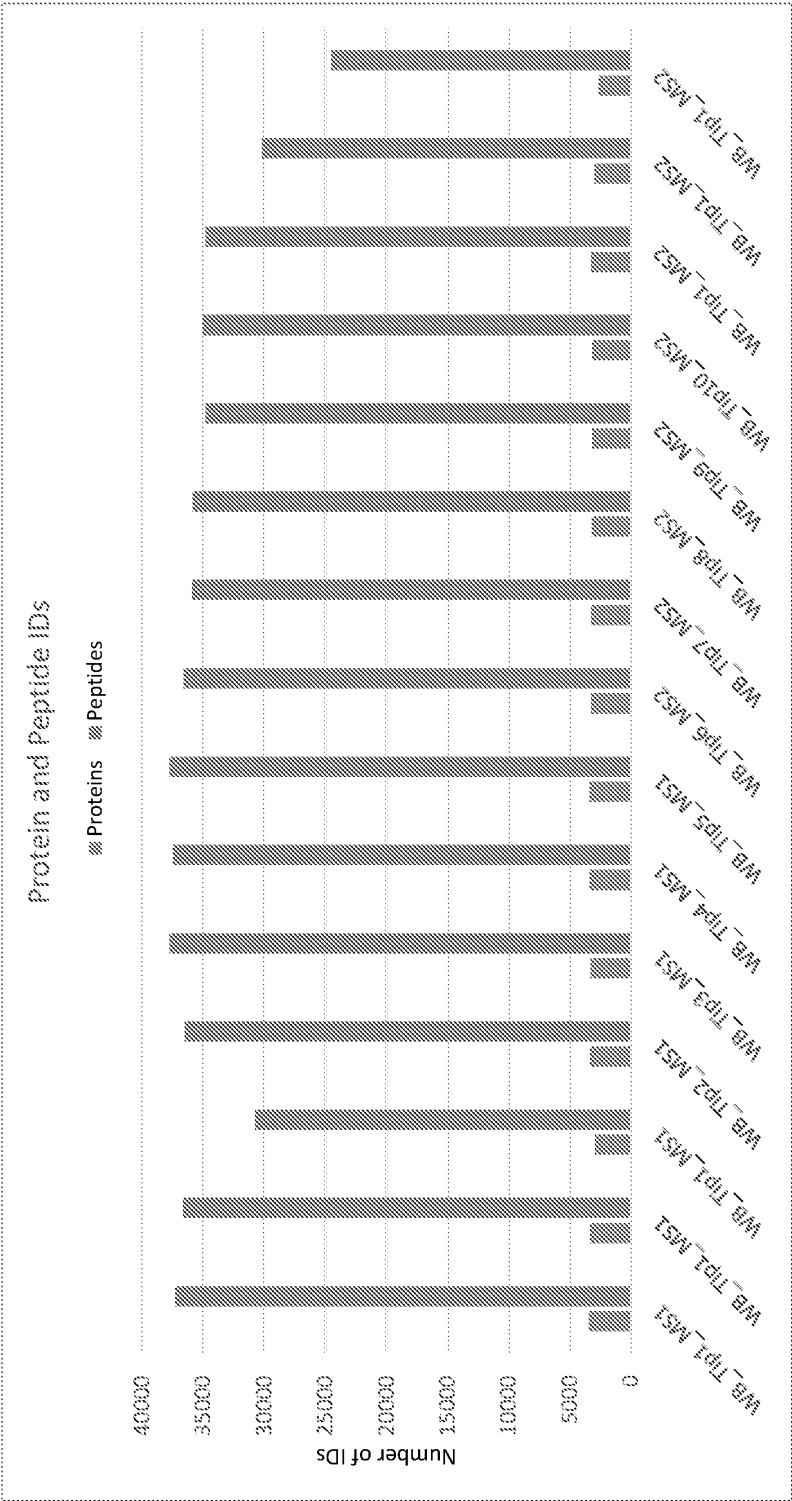


FIG. 95

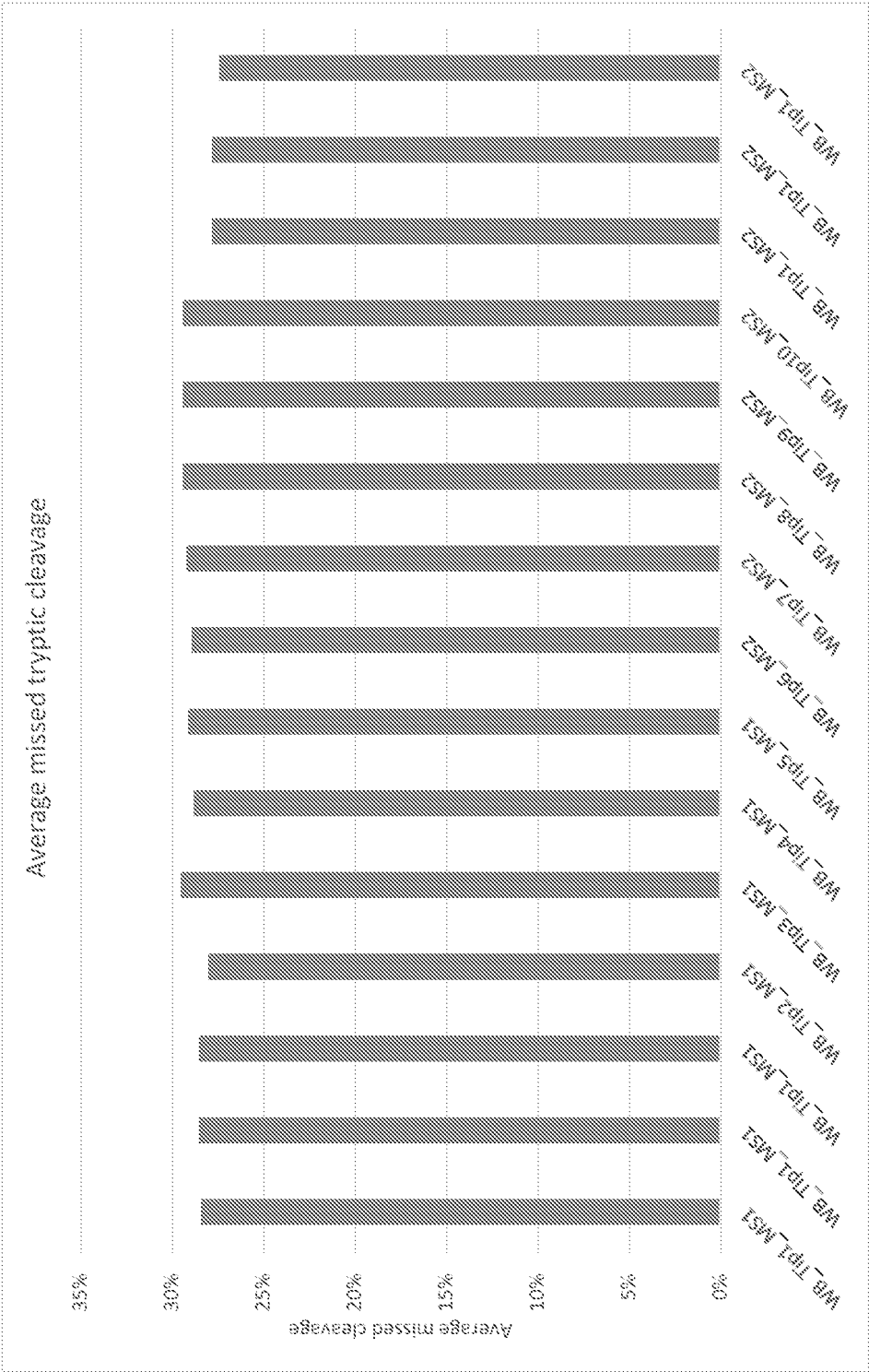


FIG. 96

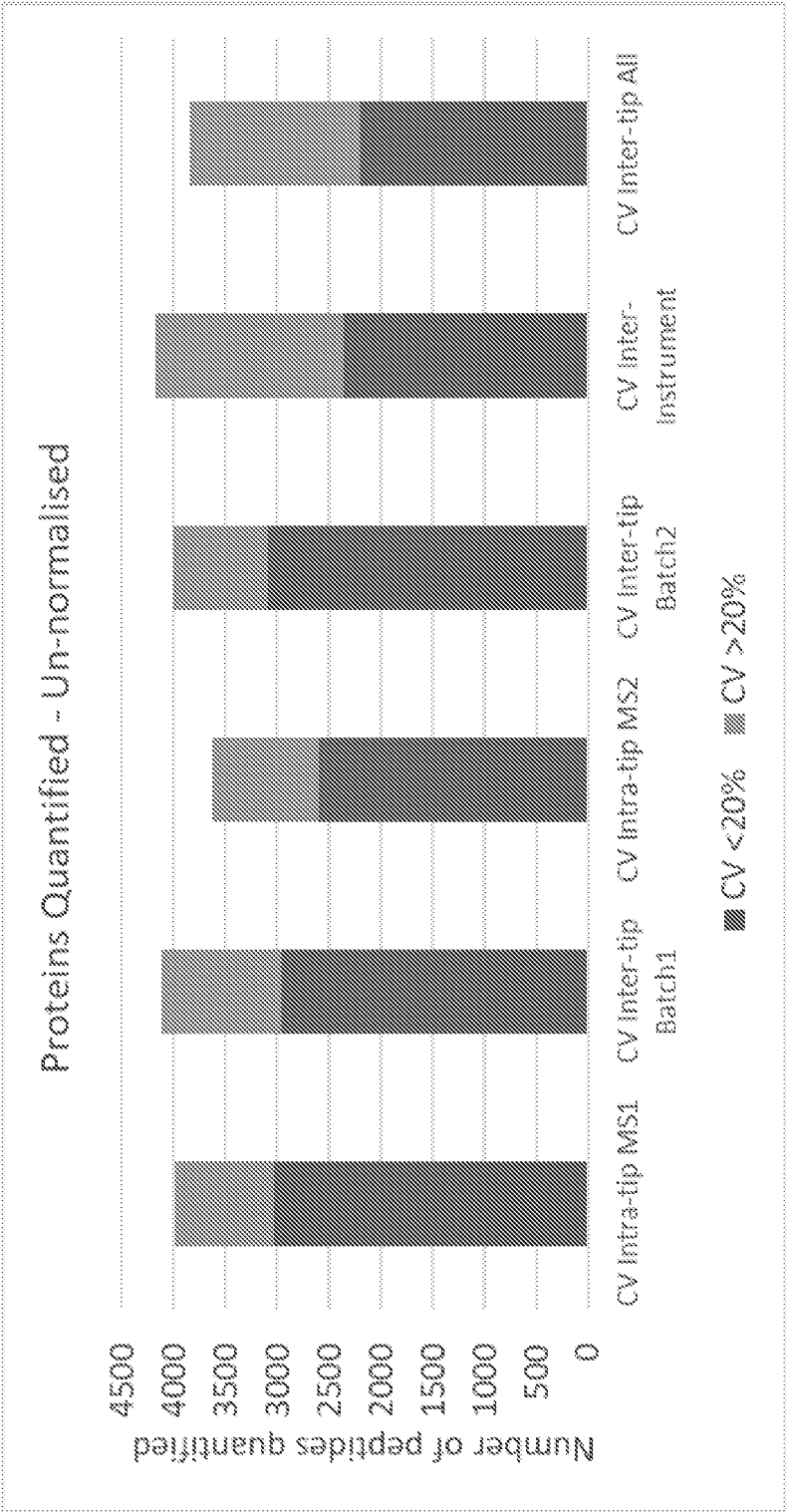


FIG. 97

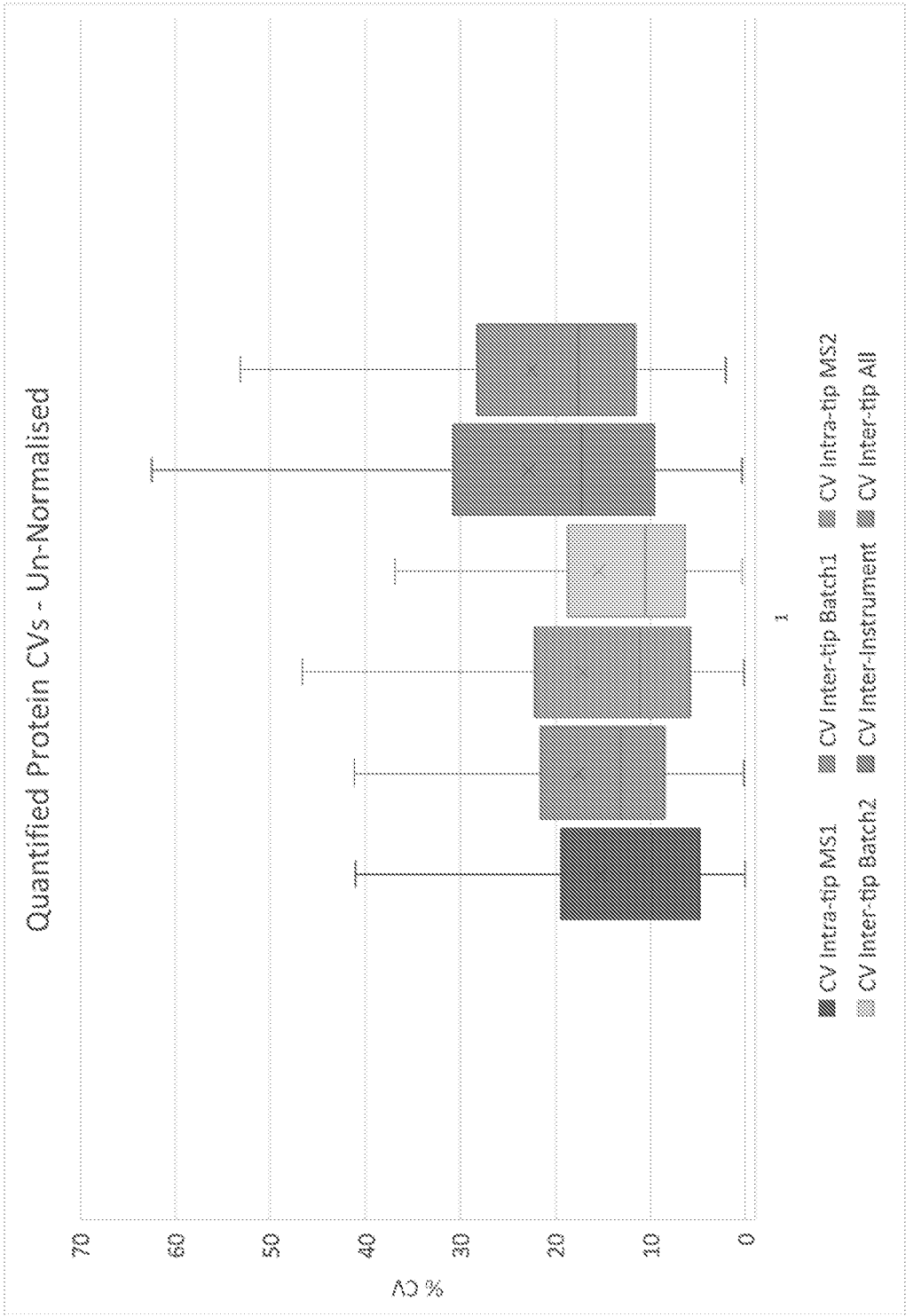


FIG. 98

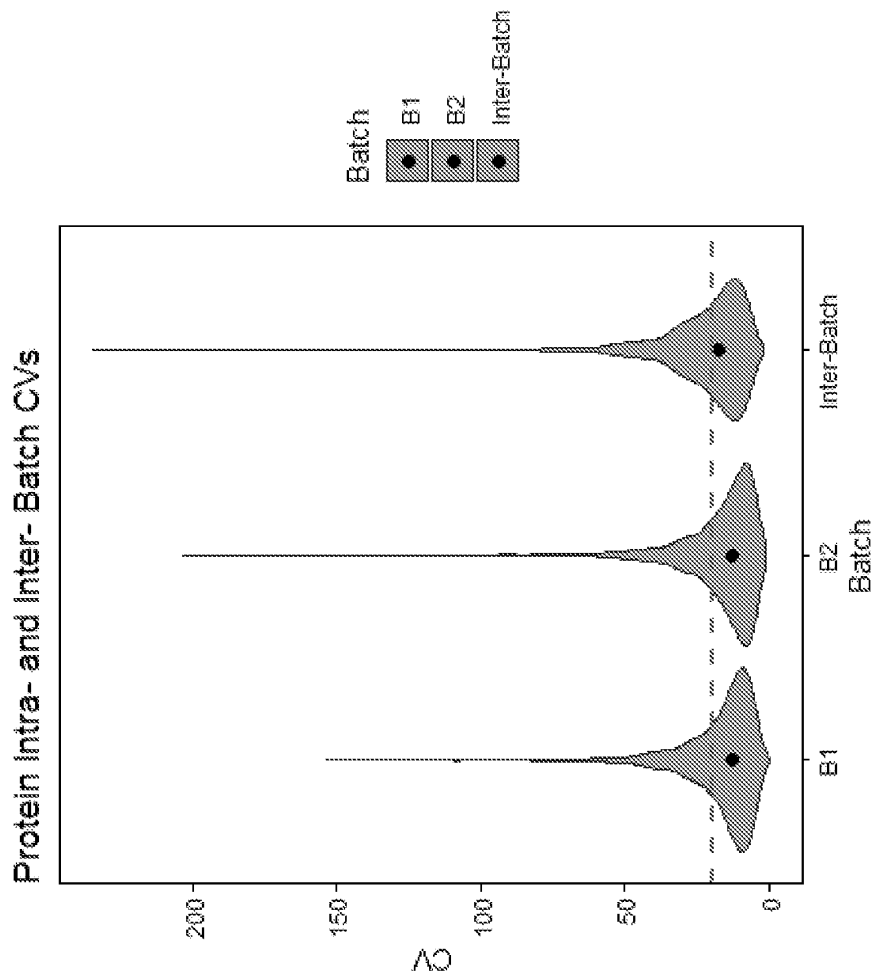


FIG. 99

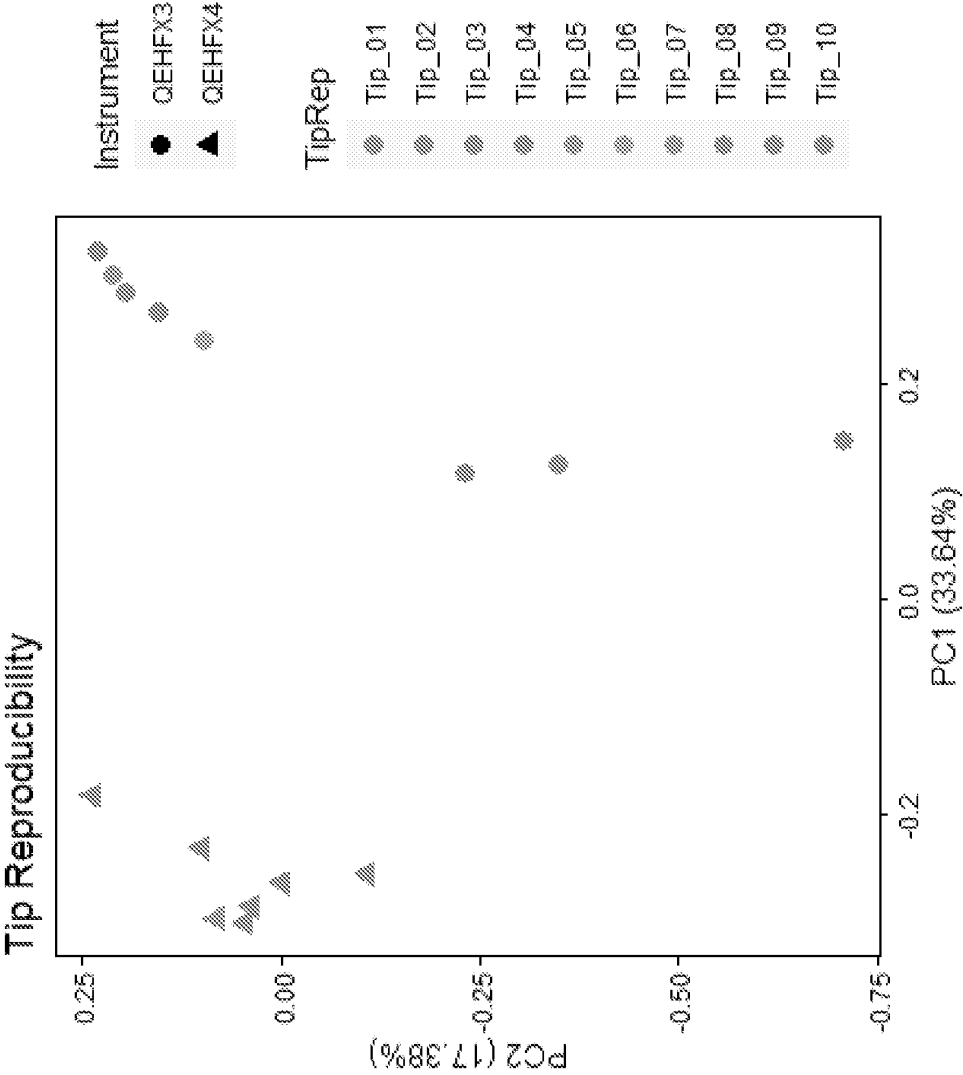


FIG. 100

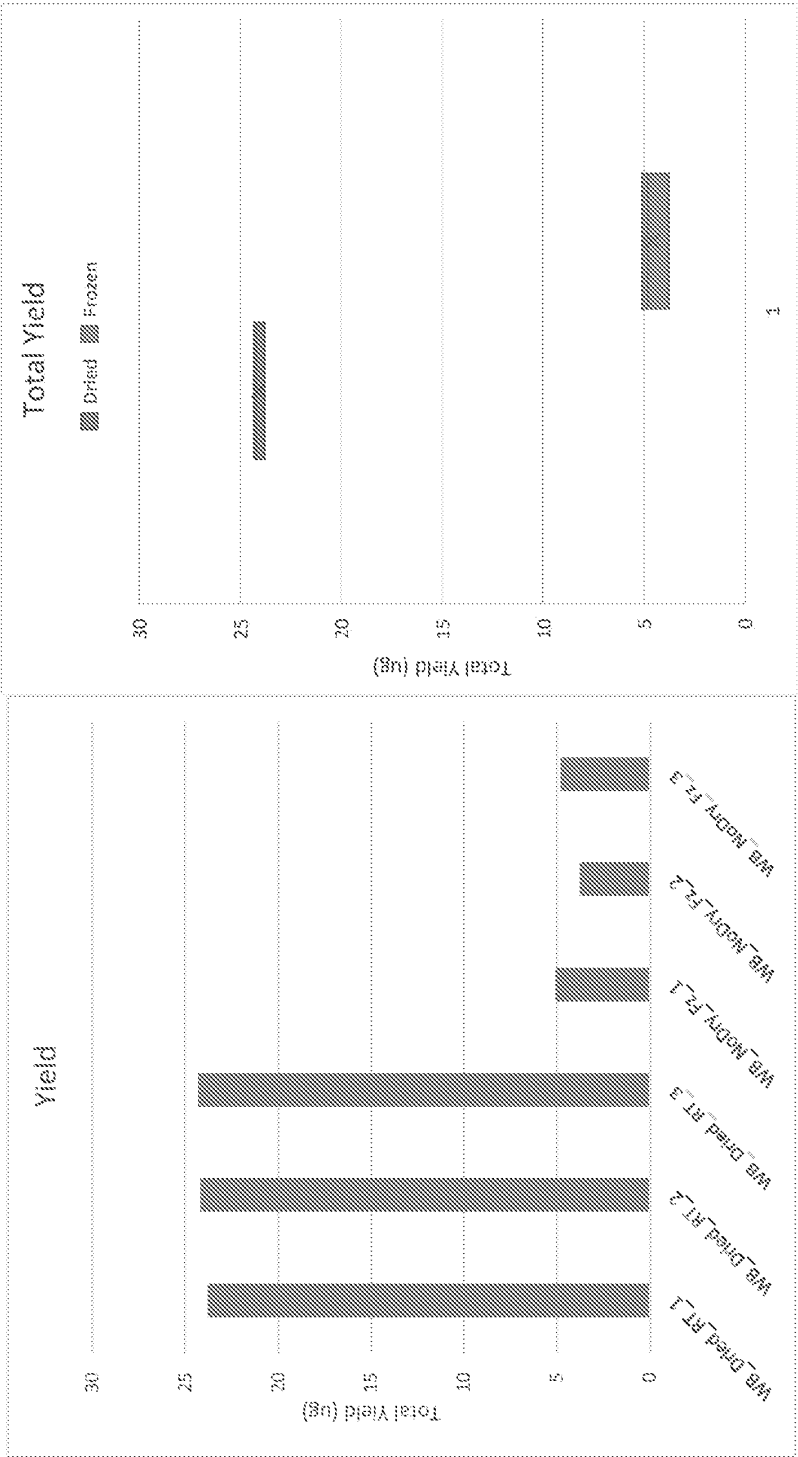


FIG. 101

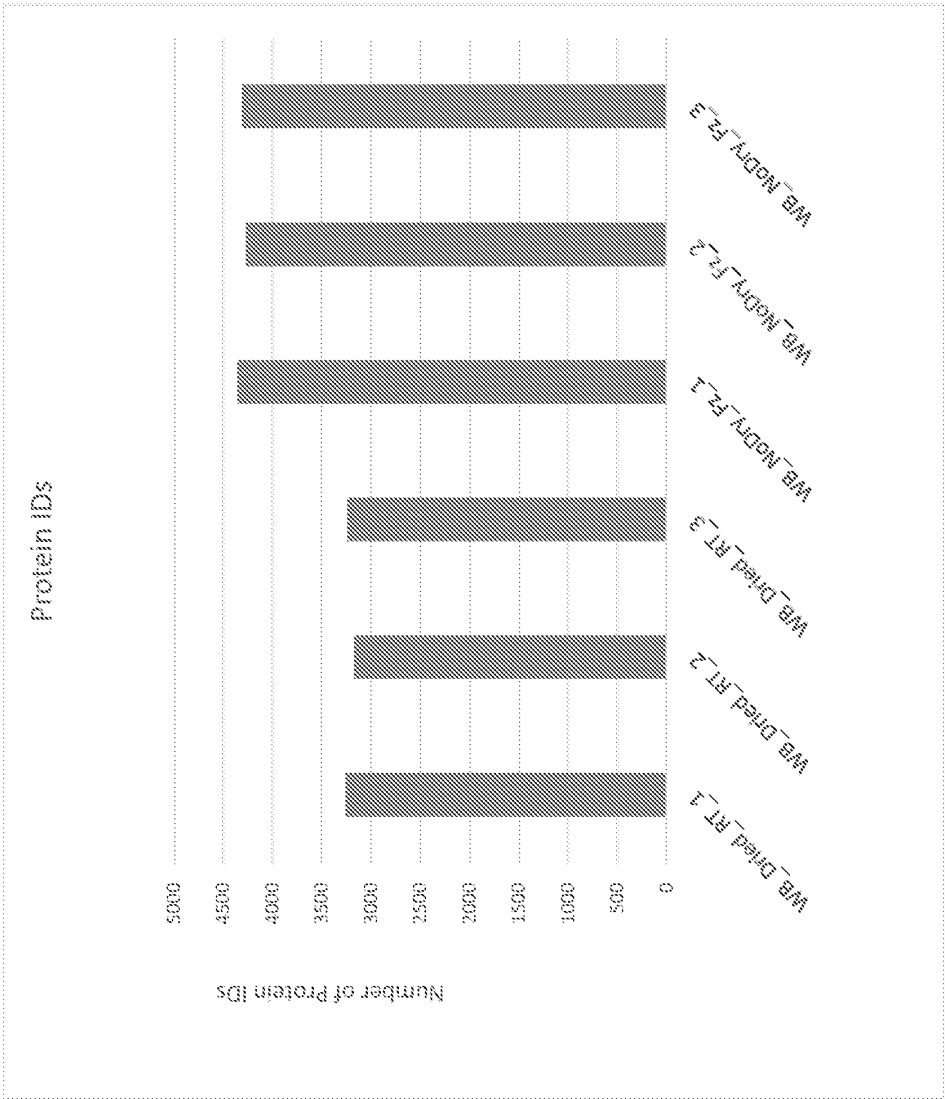


FIG. 102

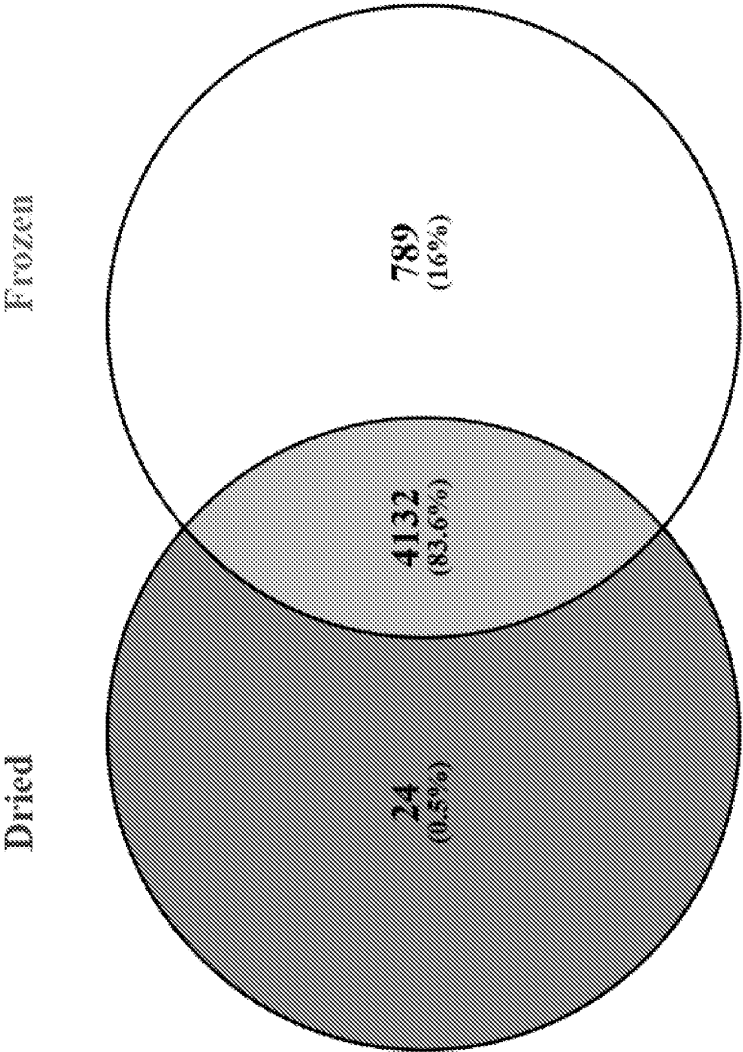


FIG. 103

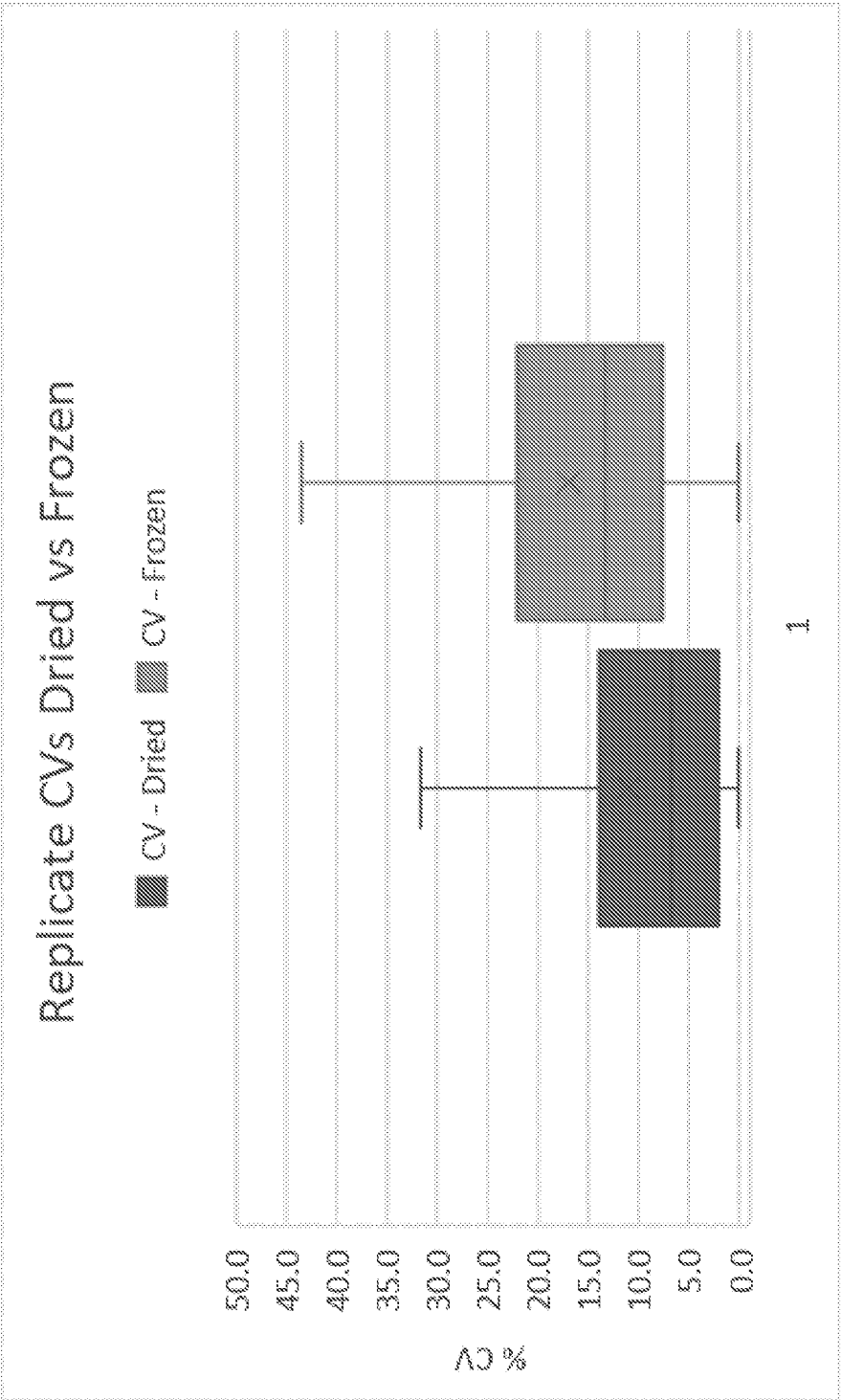


FIG. 104

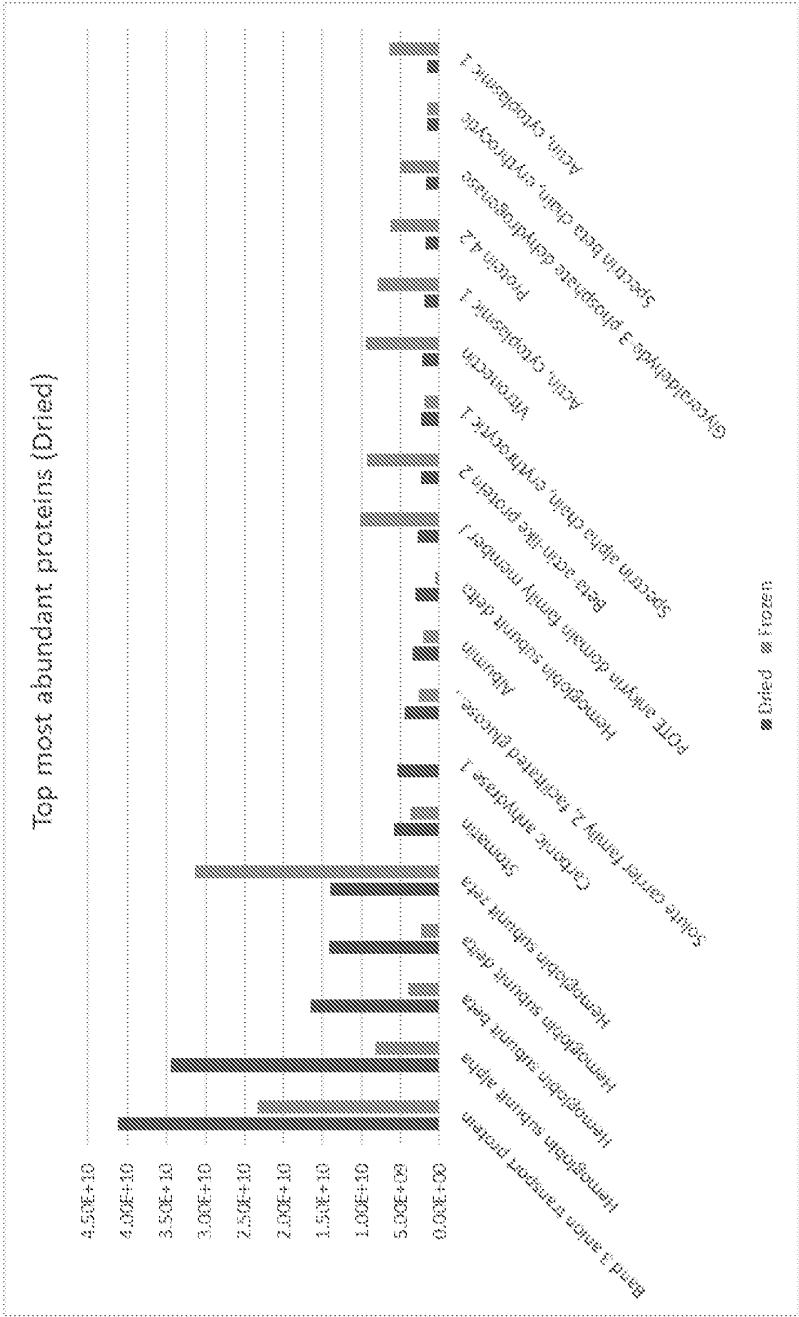


FIG. 105

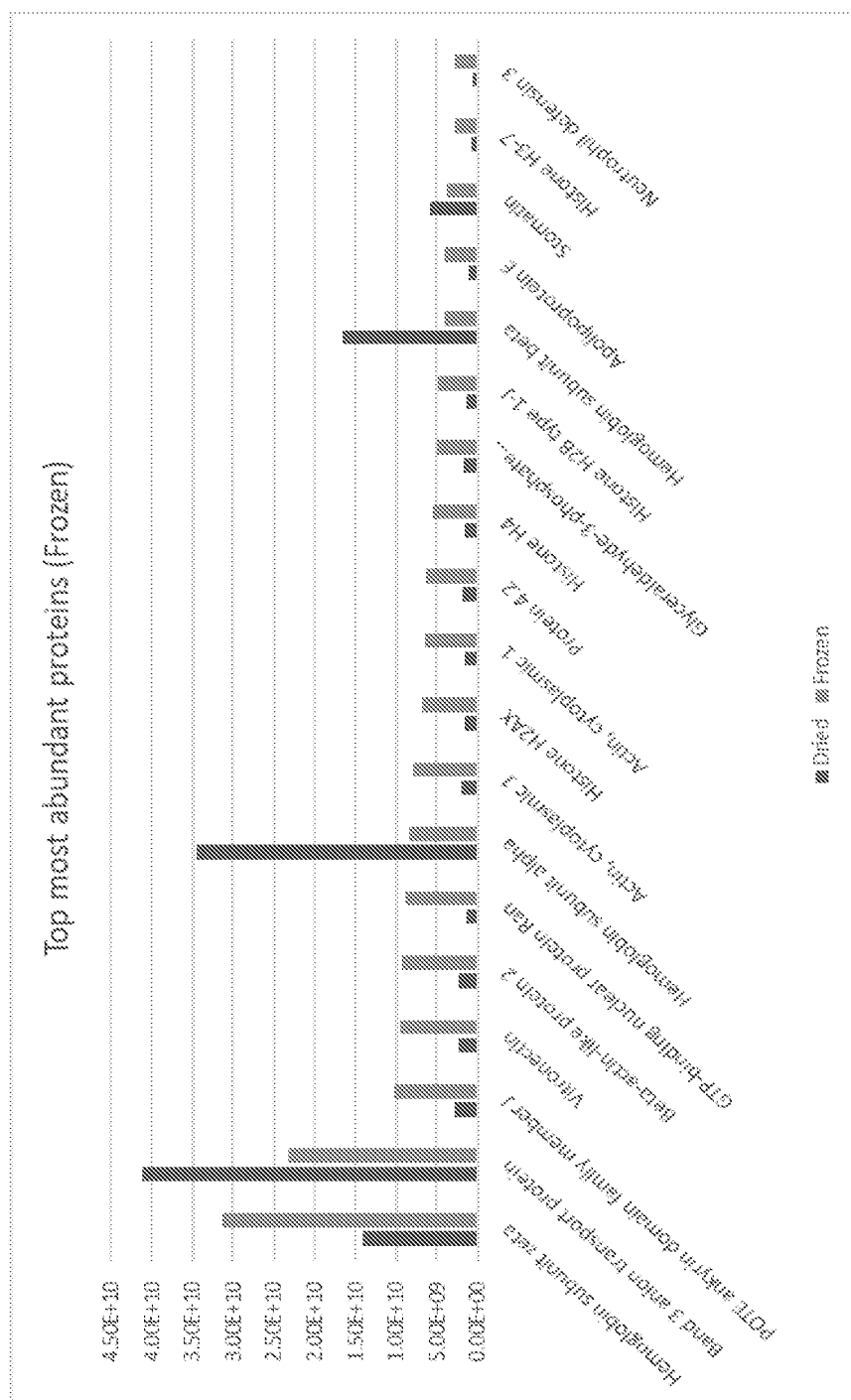


FIG. 105 CONT'D

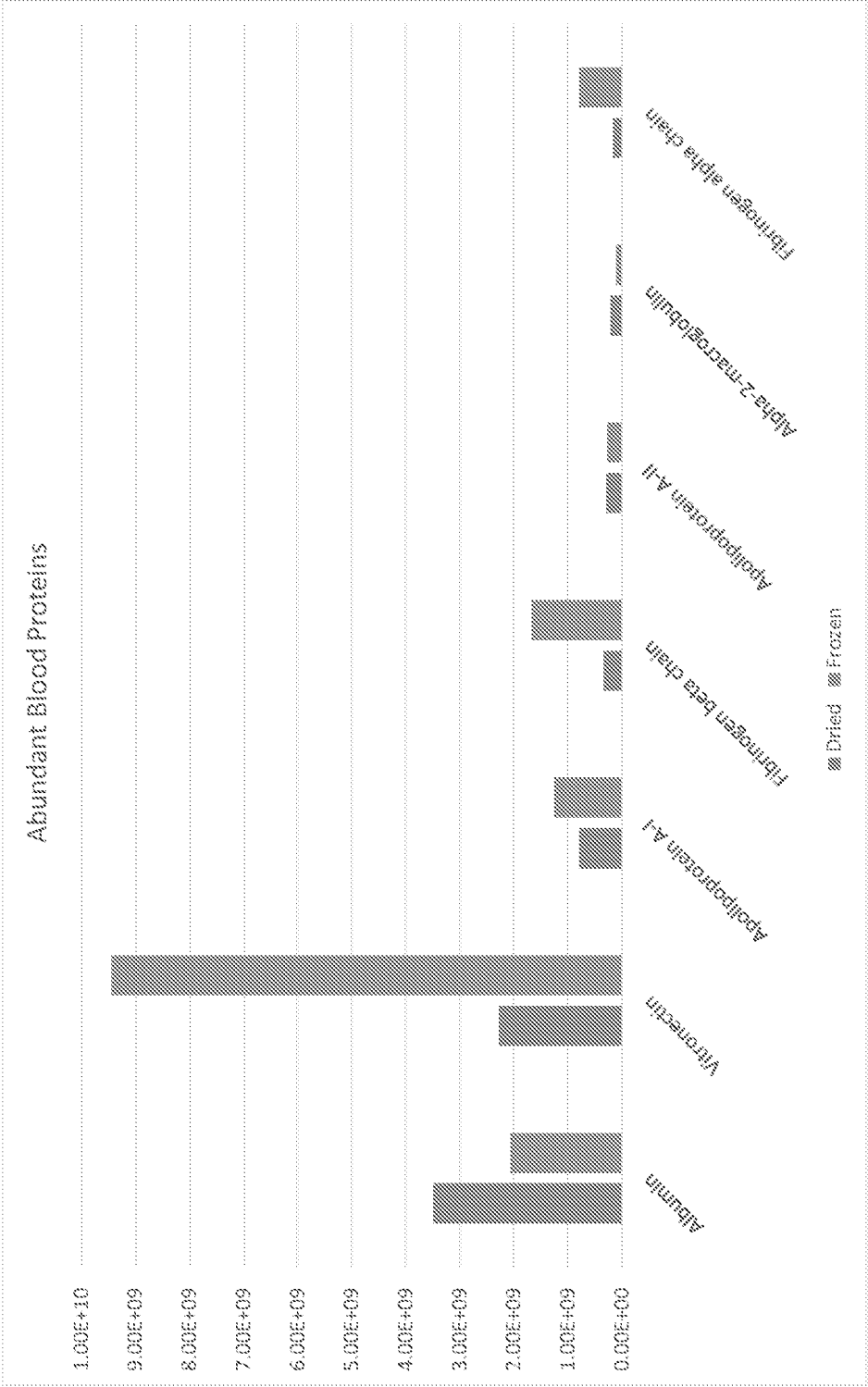


FIG. 106

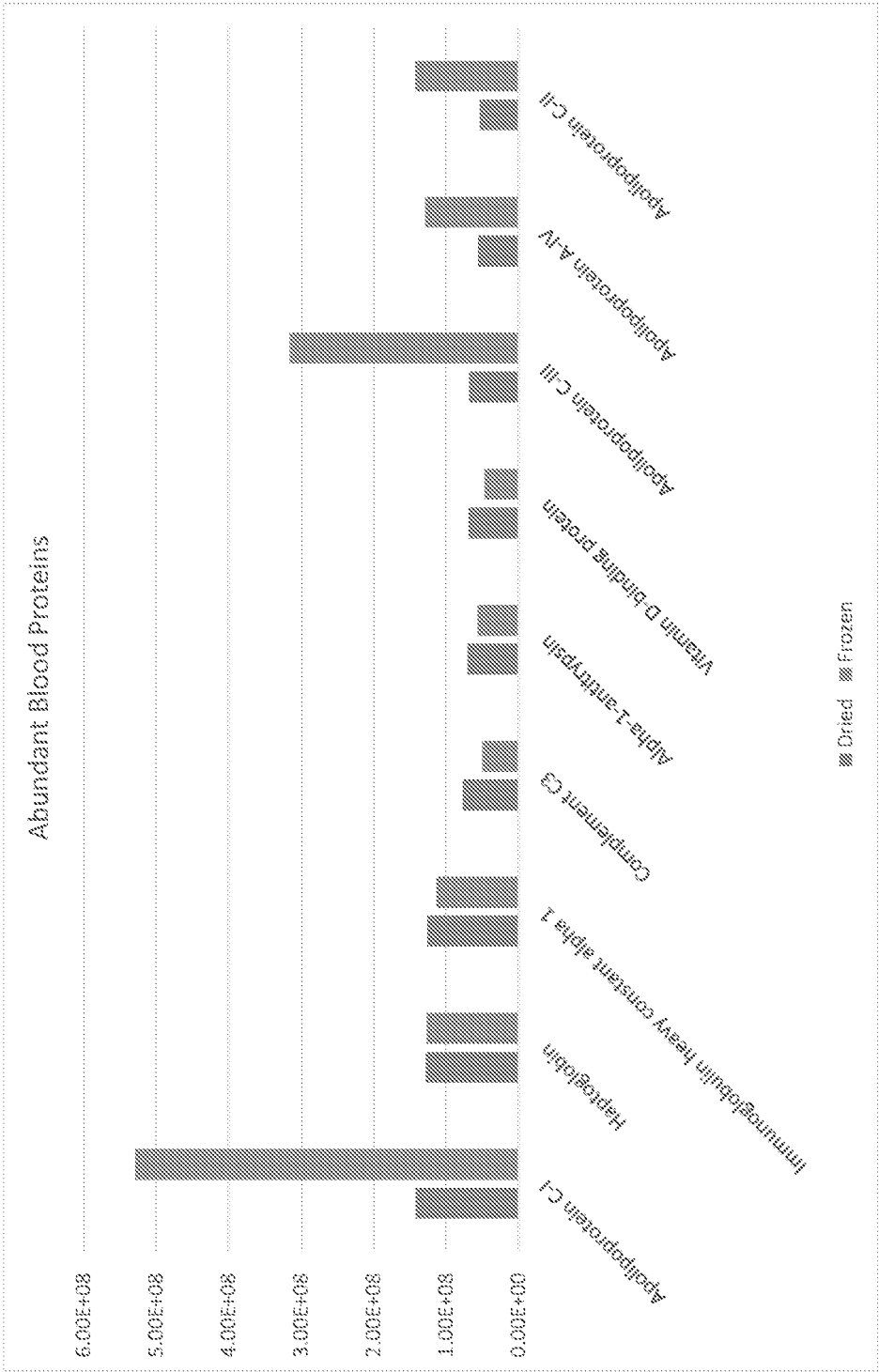


FIG. 106 CONT'D

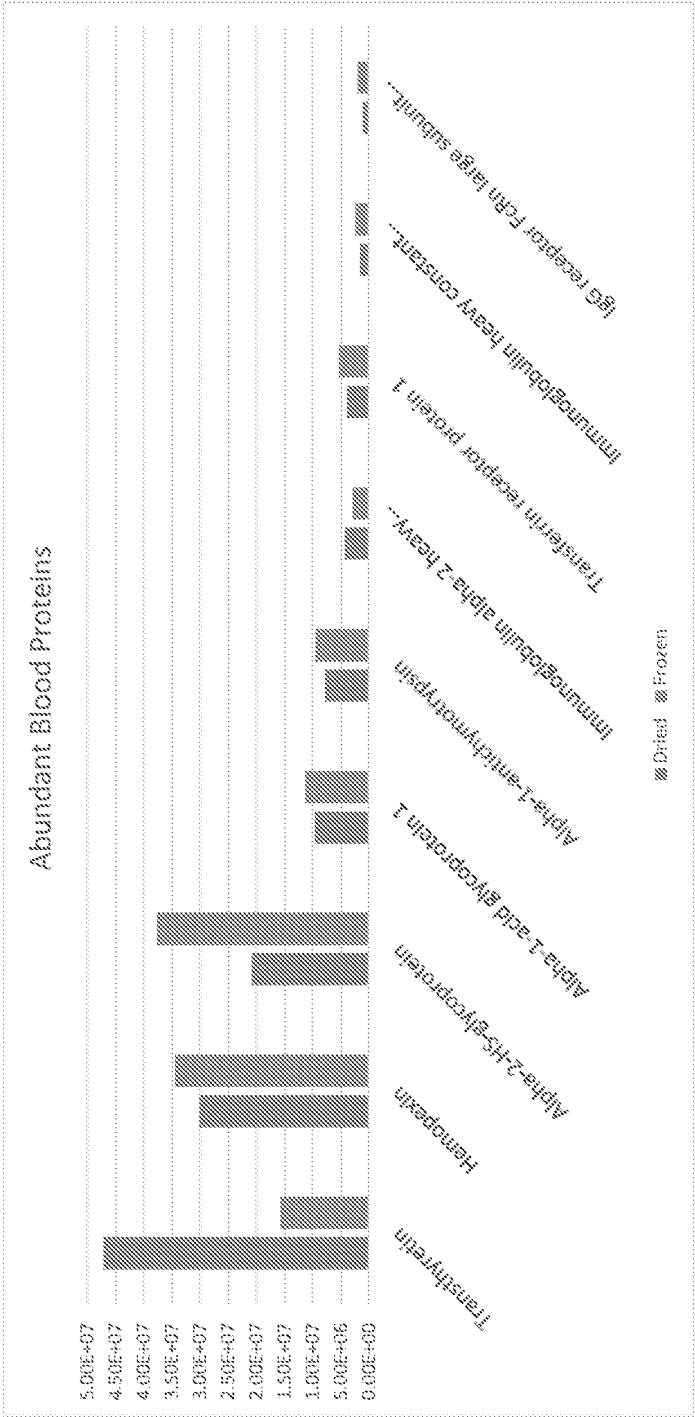


FIG. 106 CONT'D

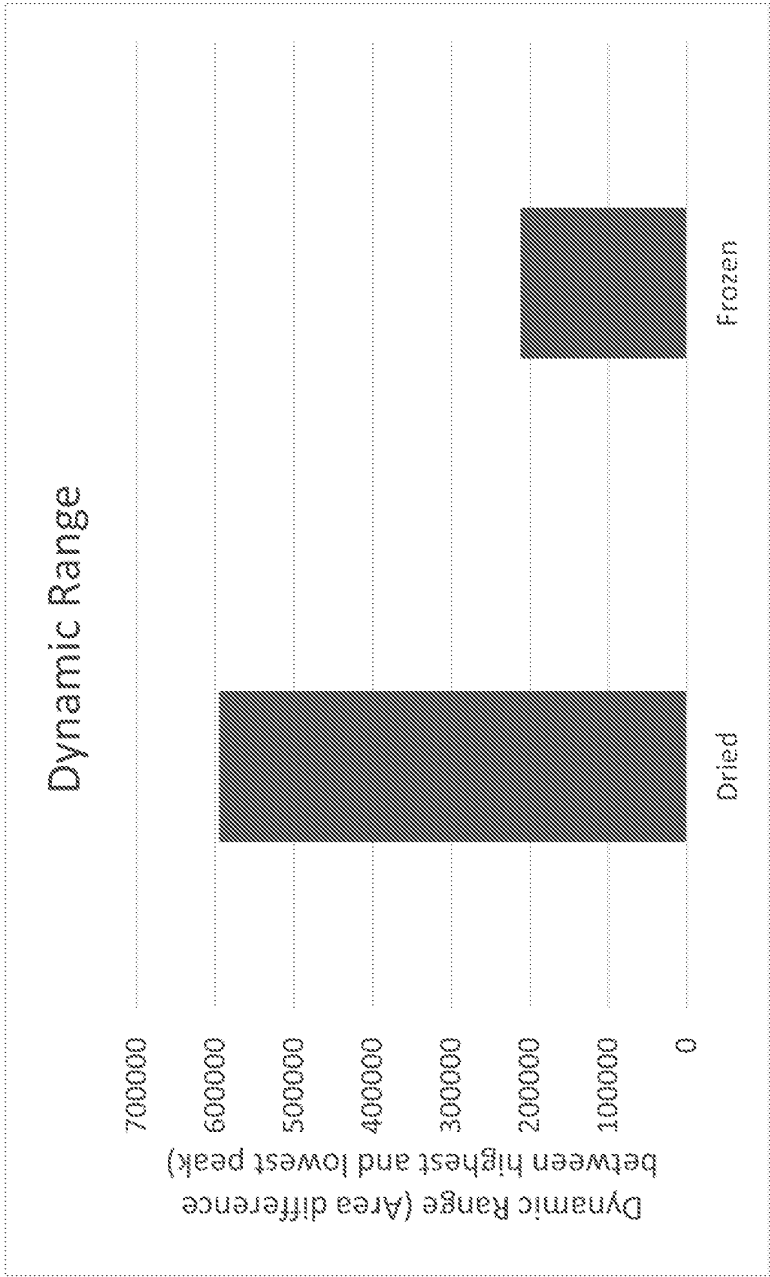


FIG. 107

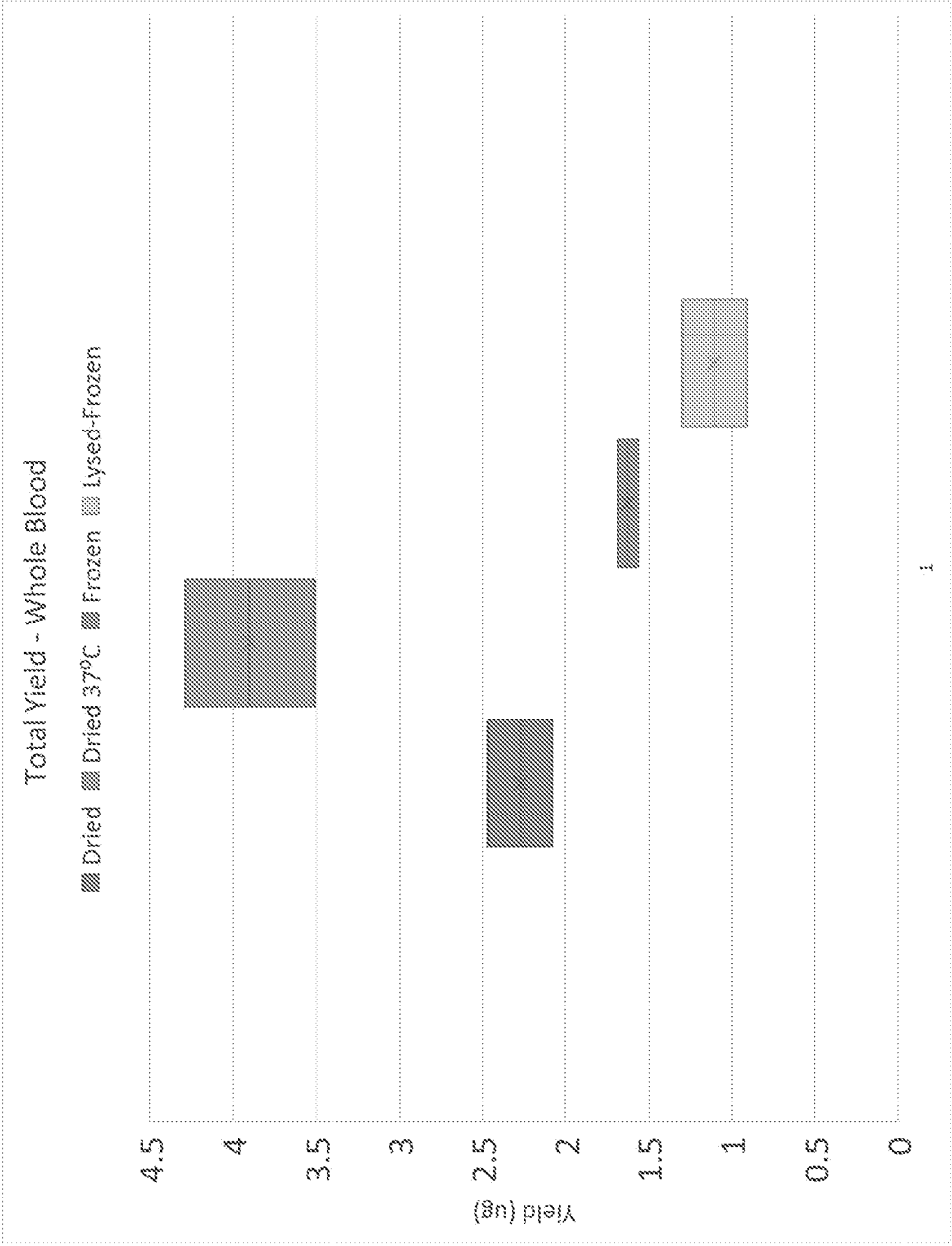


FIG. 108

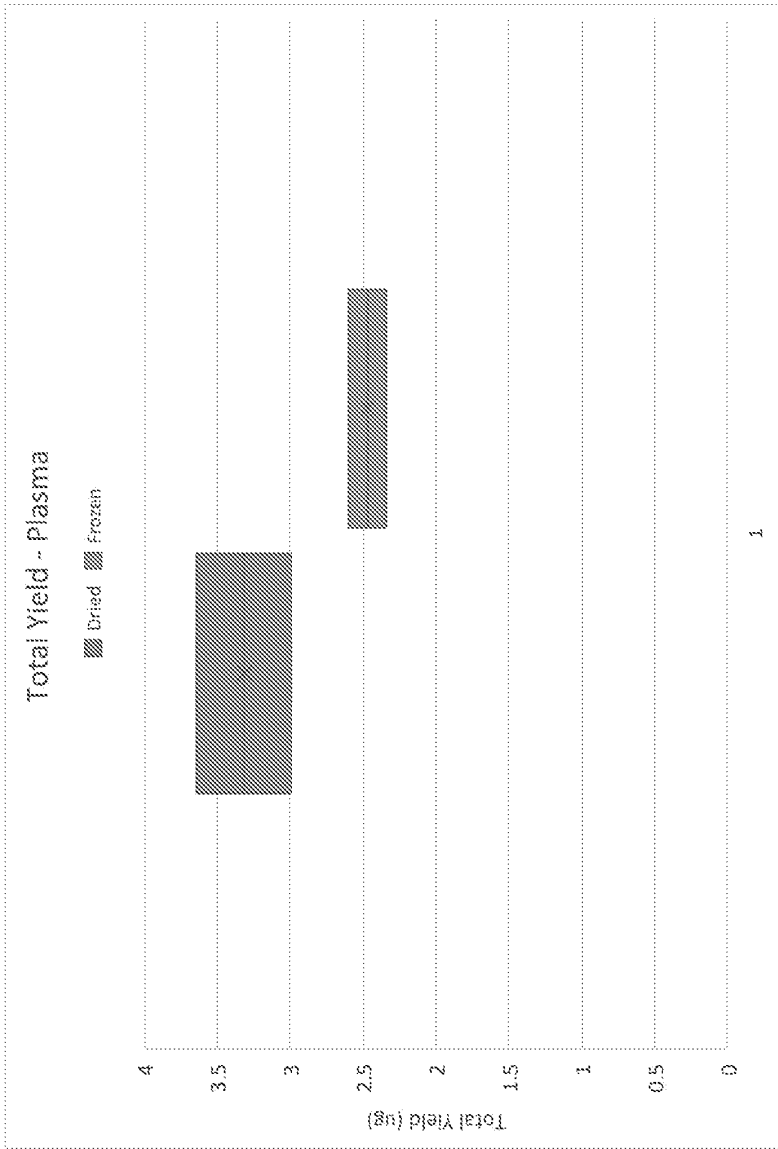


FIG. 109

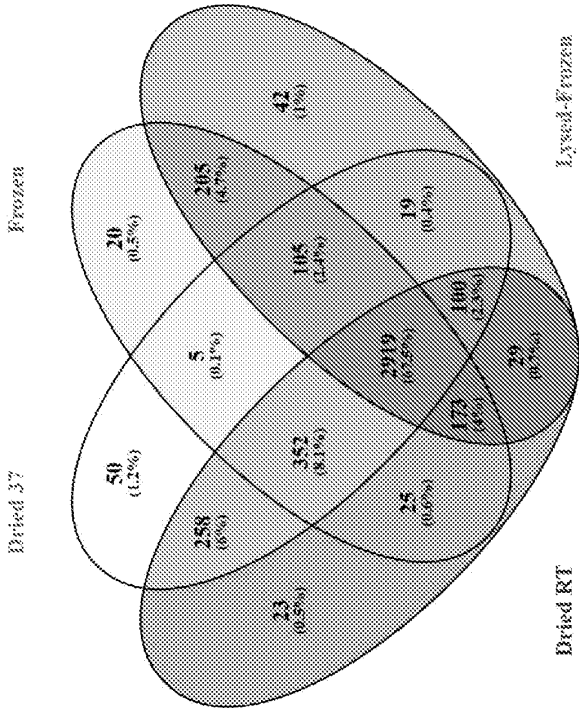


FIG. 110

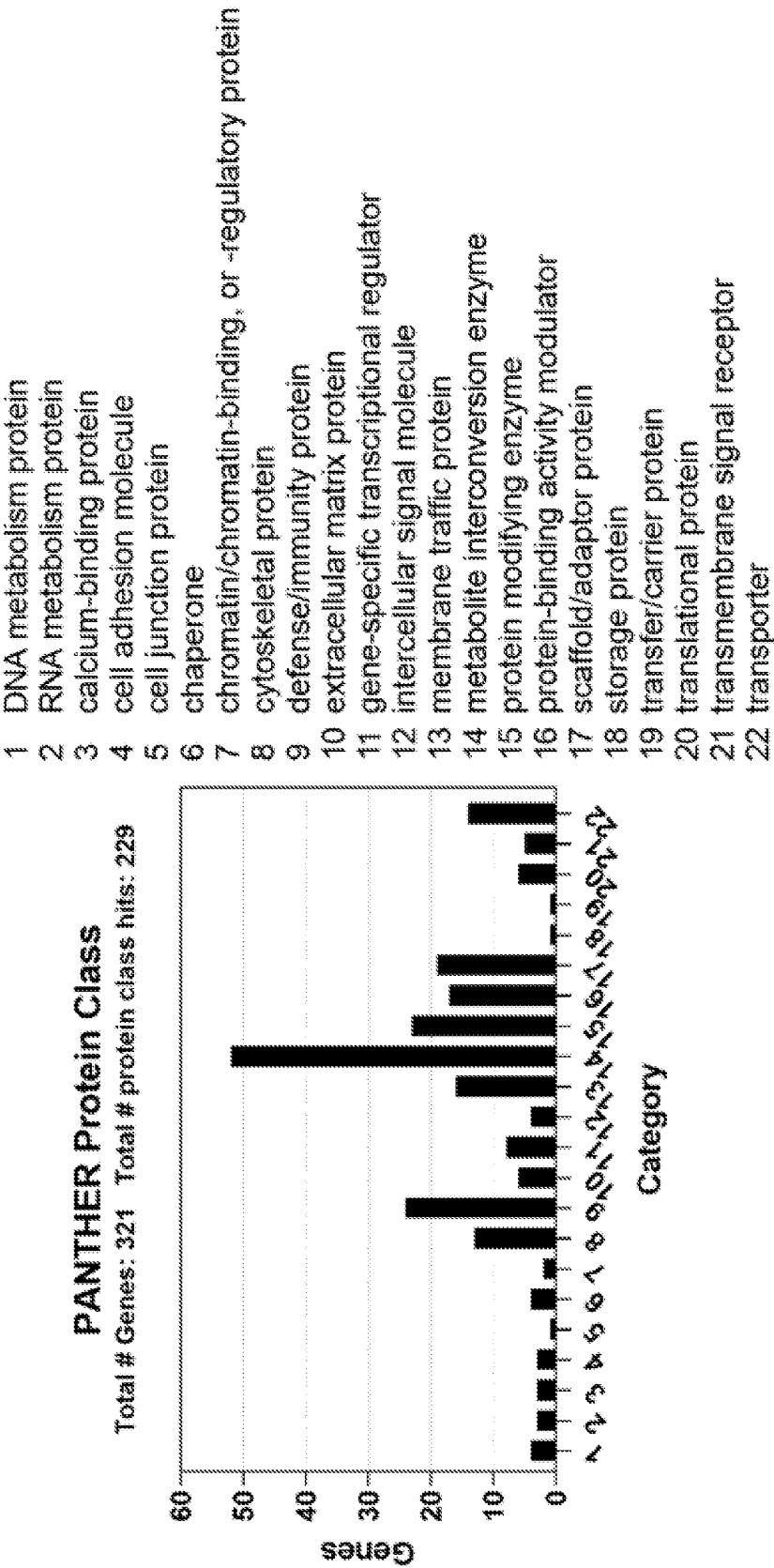


FIG. 111

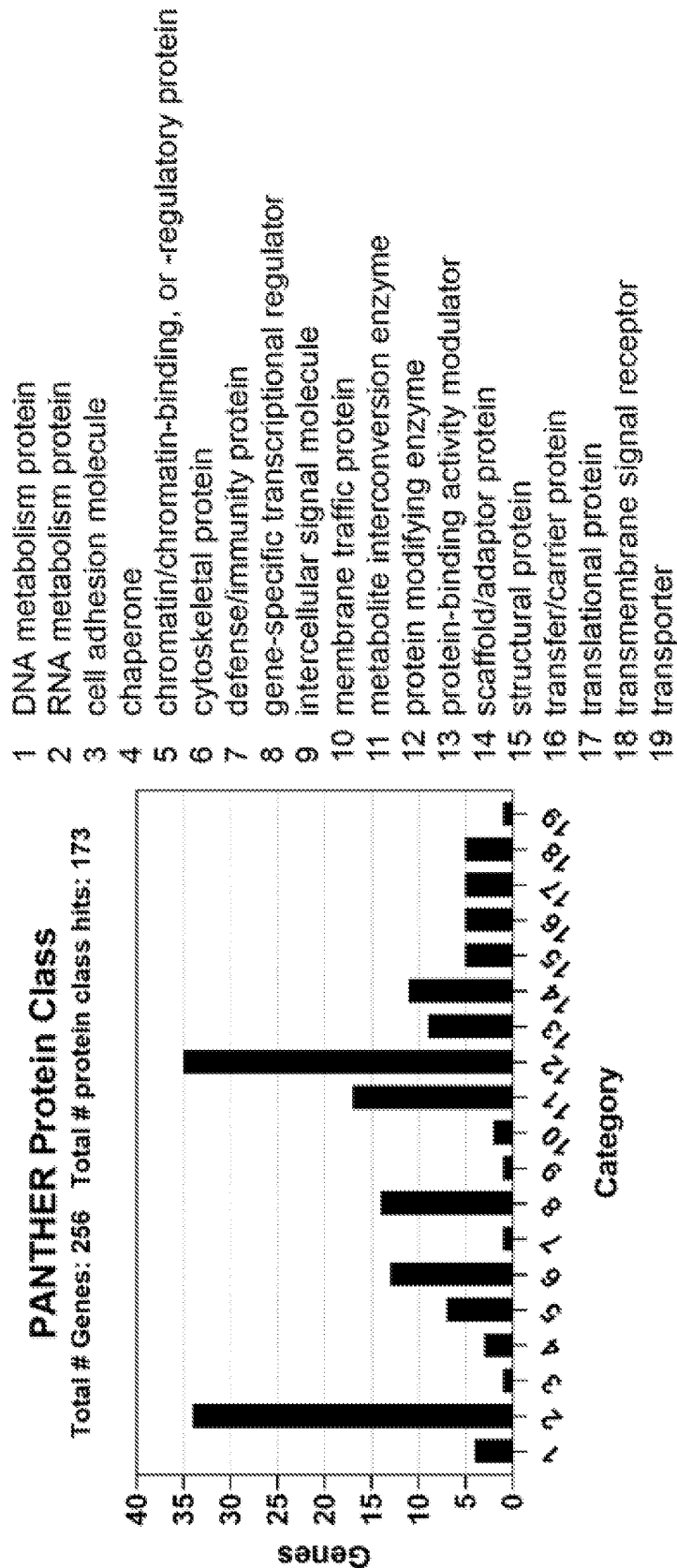


FIG. 112

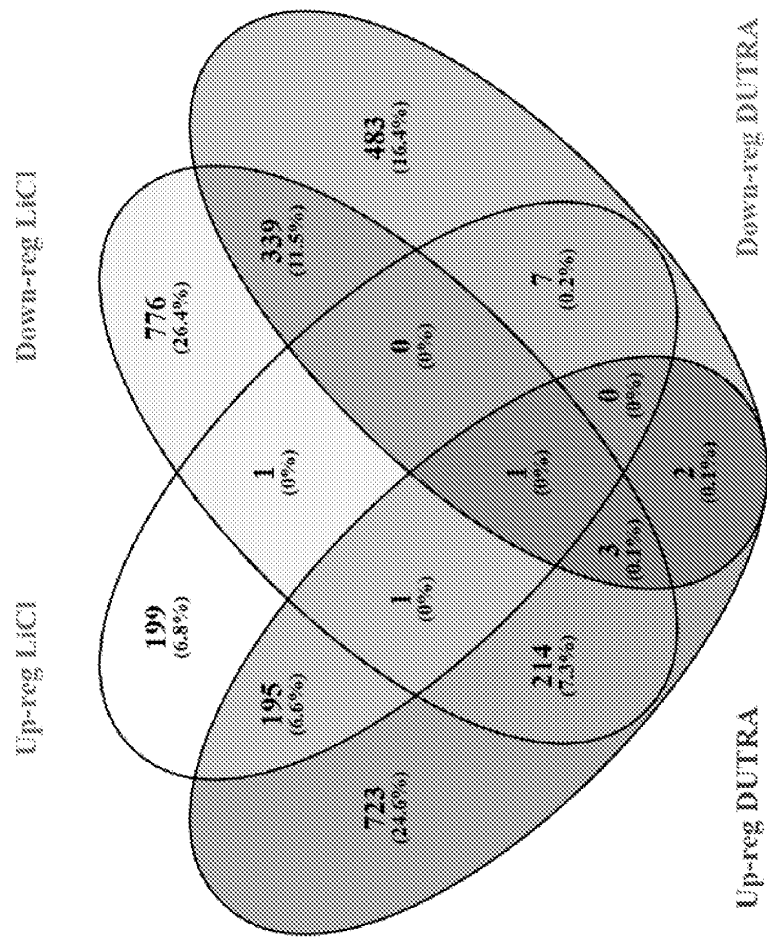


FIG. 113

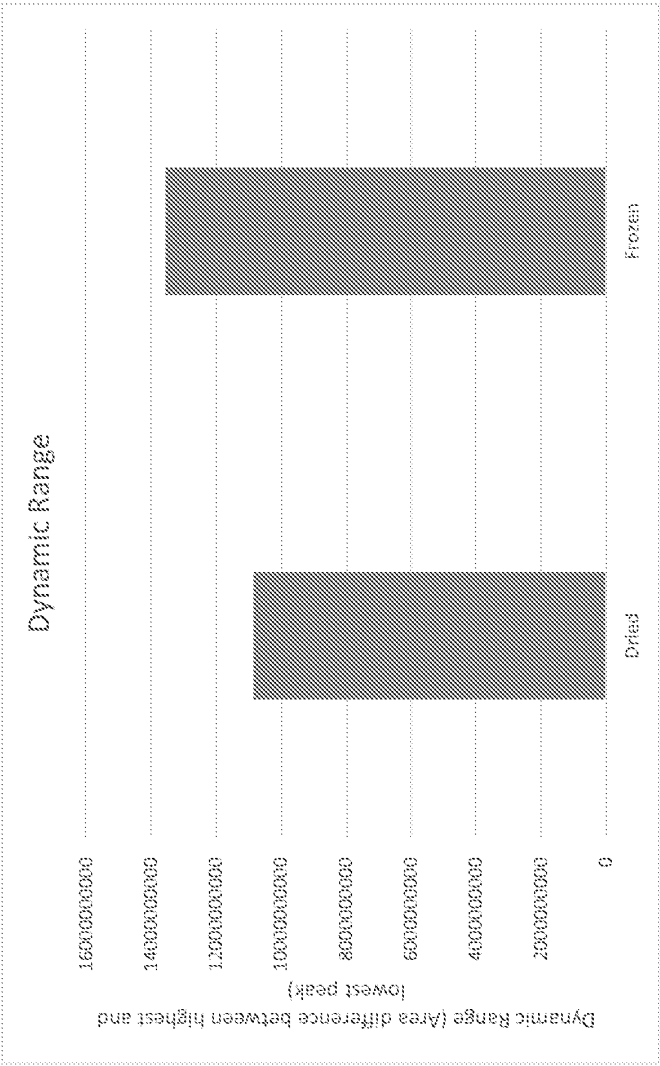


FIG. 114

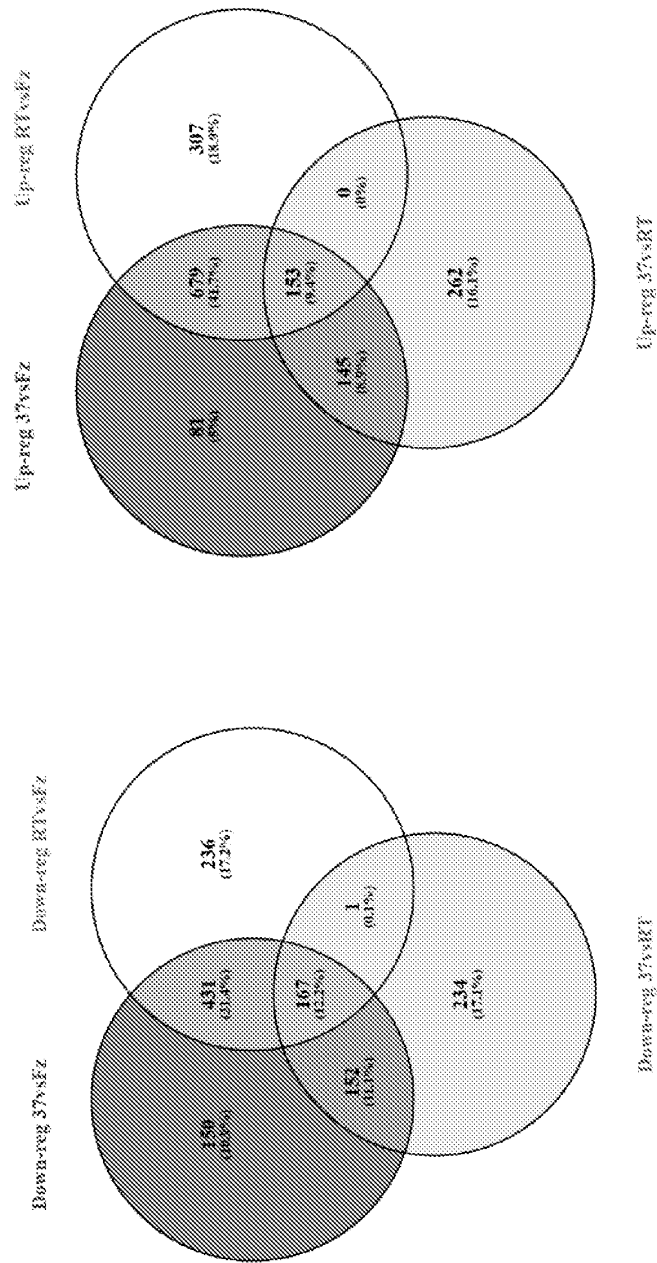


FIG. 115

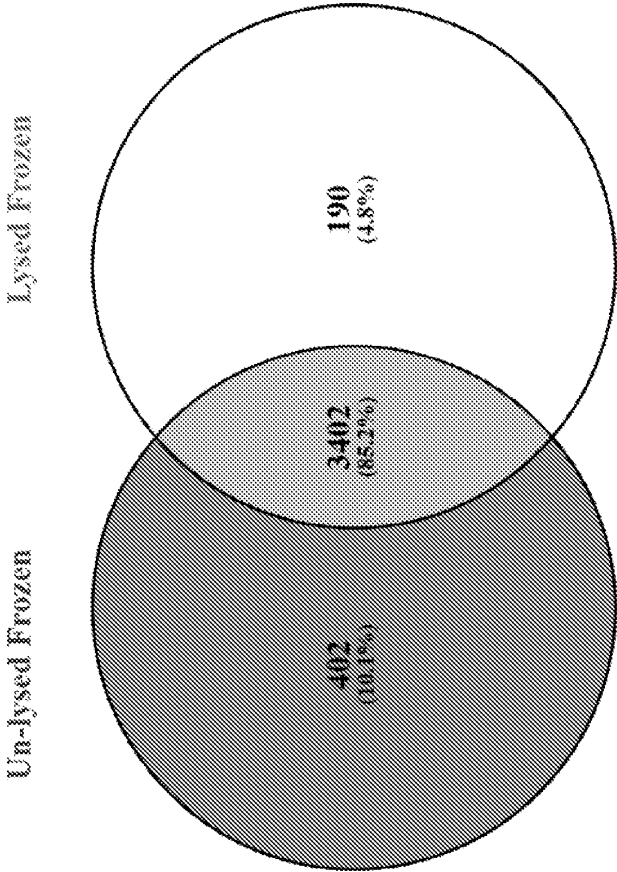


FIG. 116

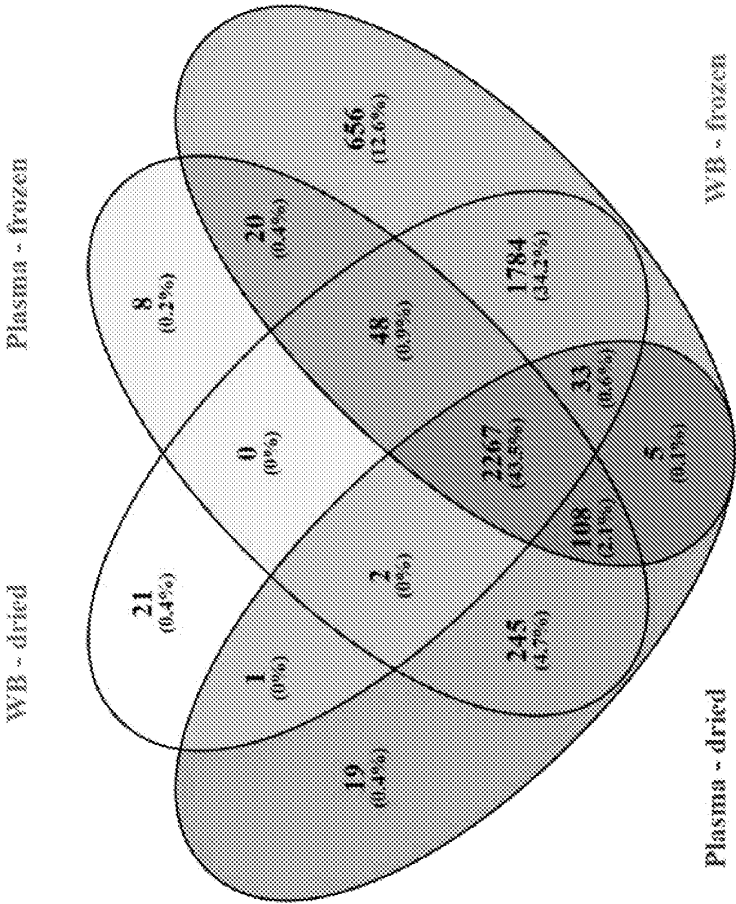


FIG. 117

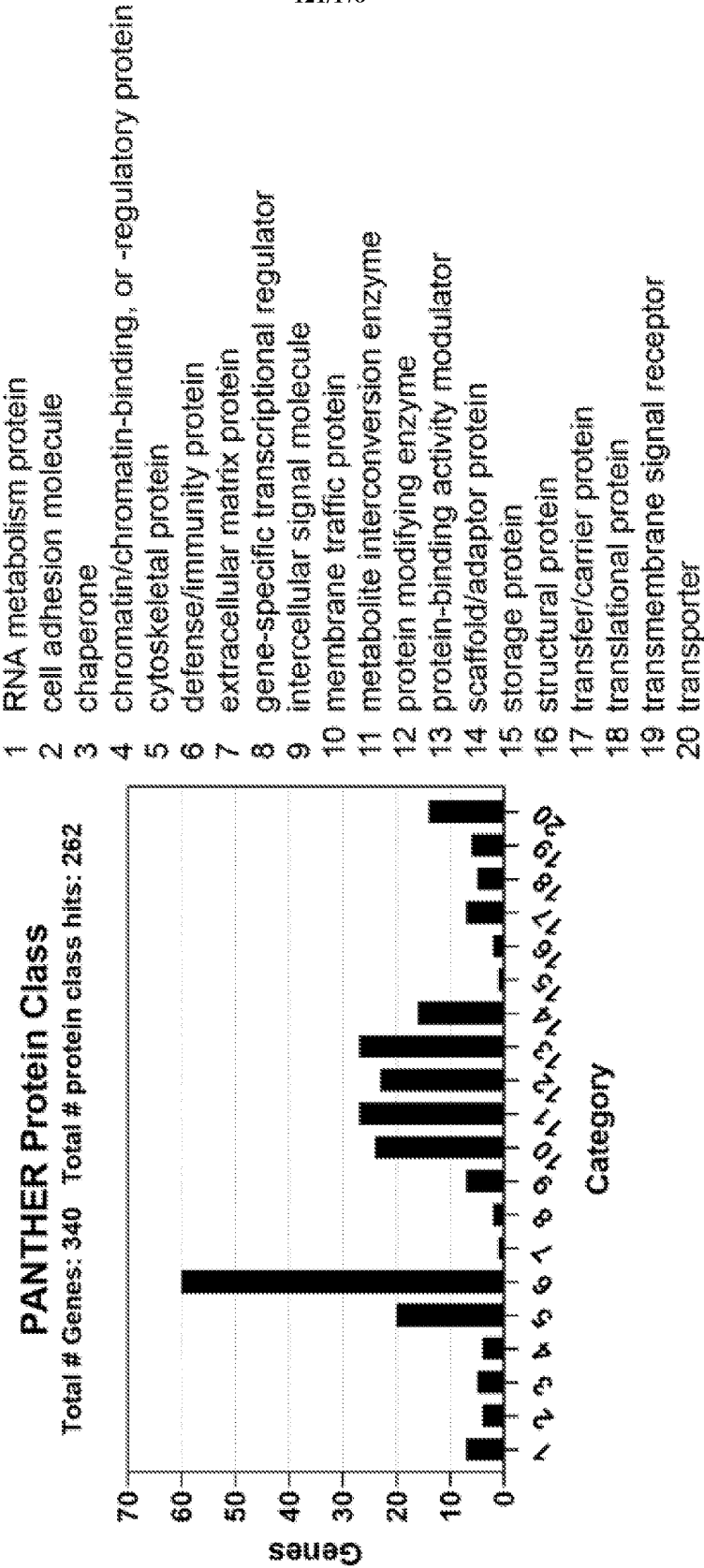


FIG. 118

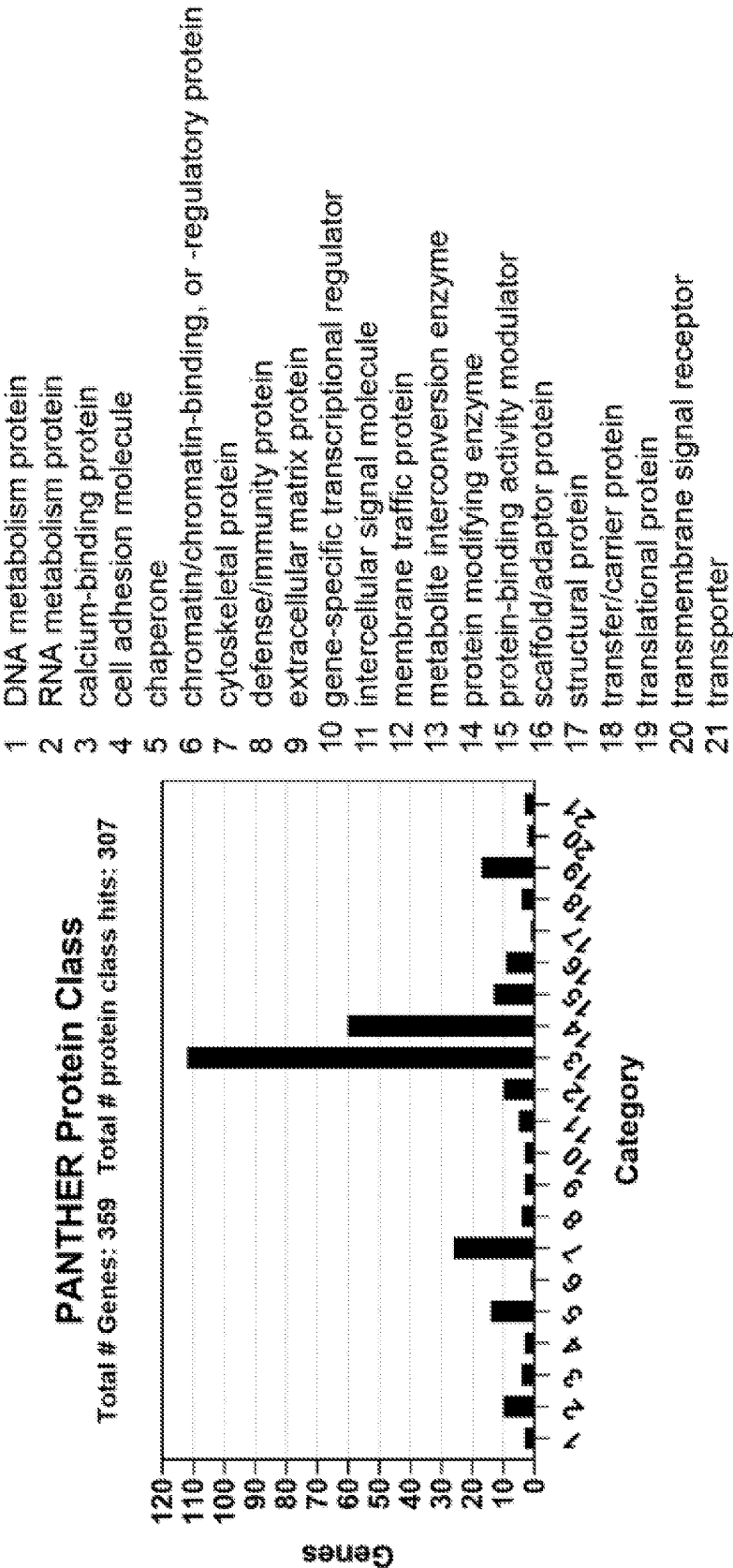


FIG. 119

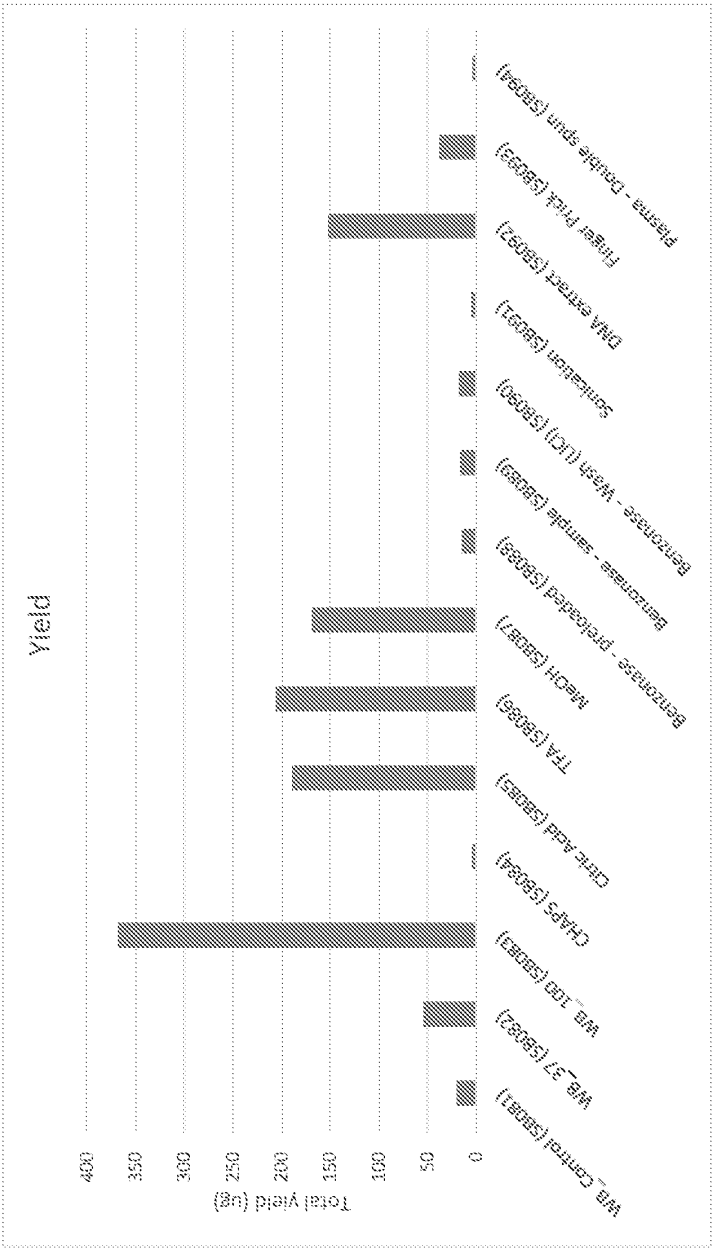


FIG. 120

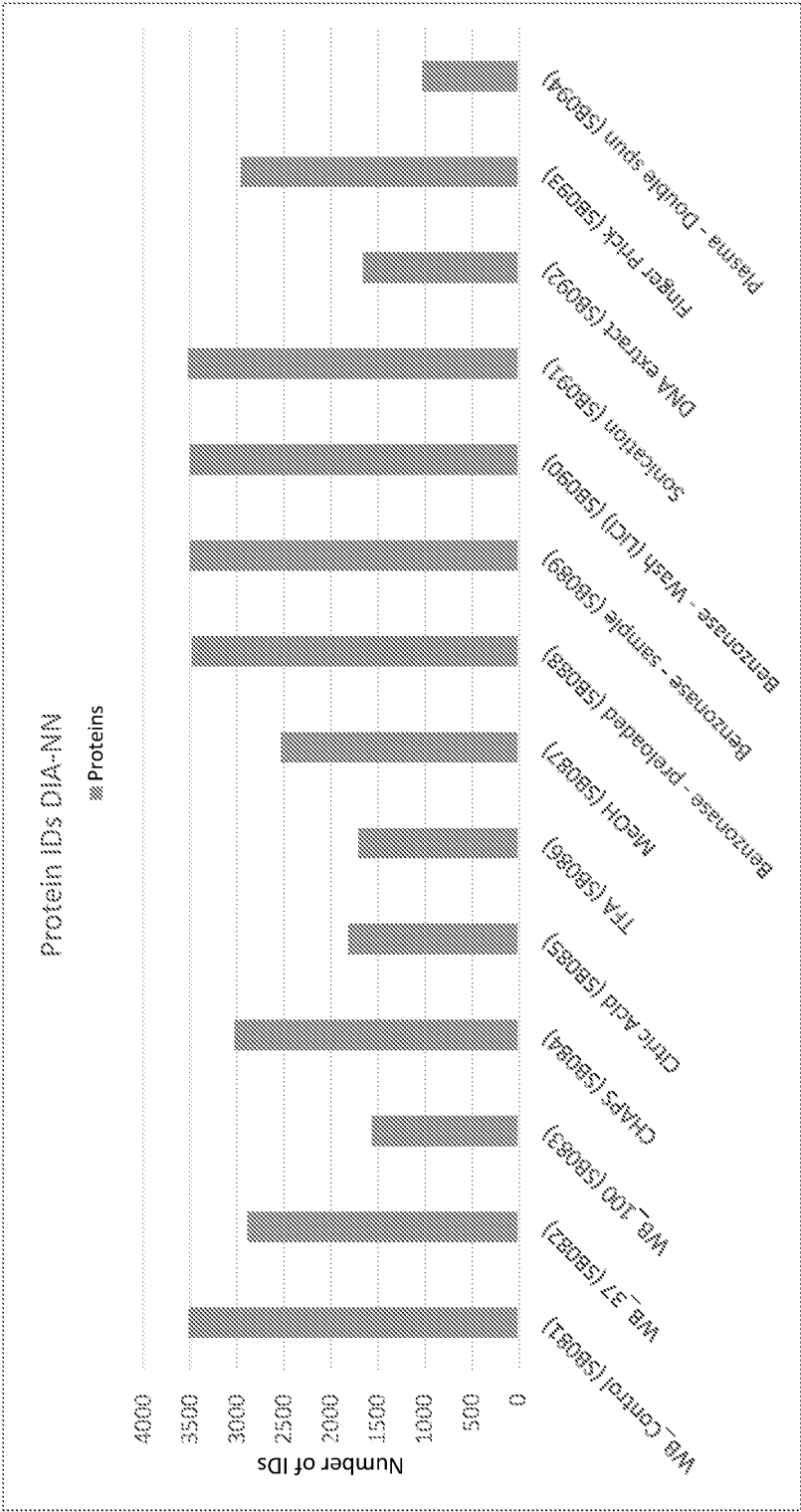
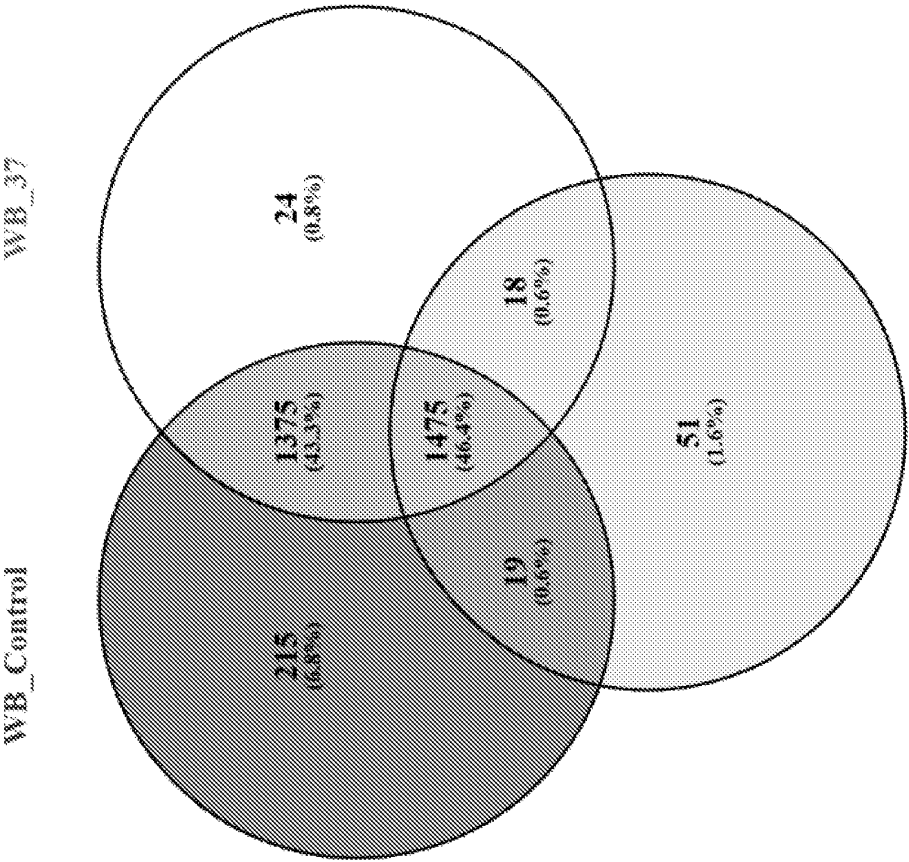


FIG. 121



WB_100
FIG. 122

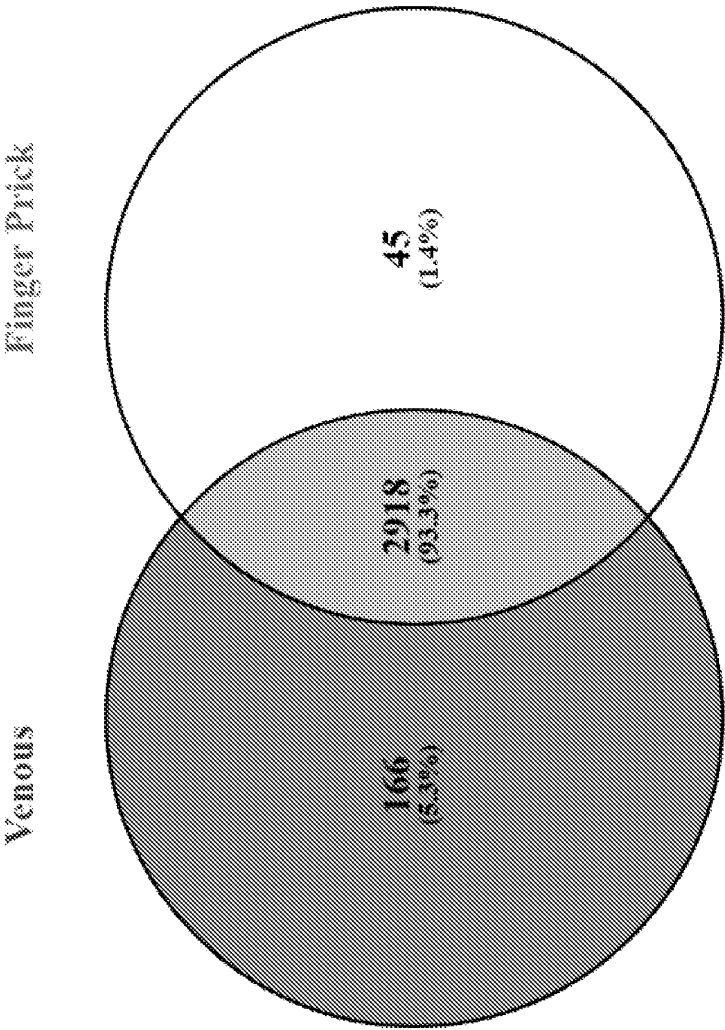


FIG. 123

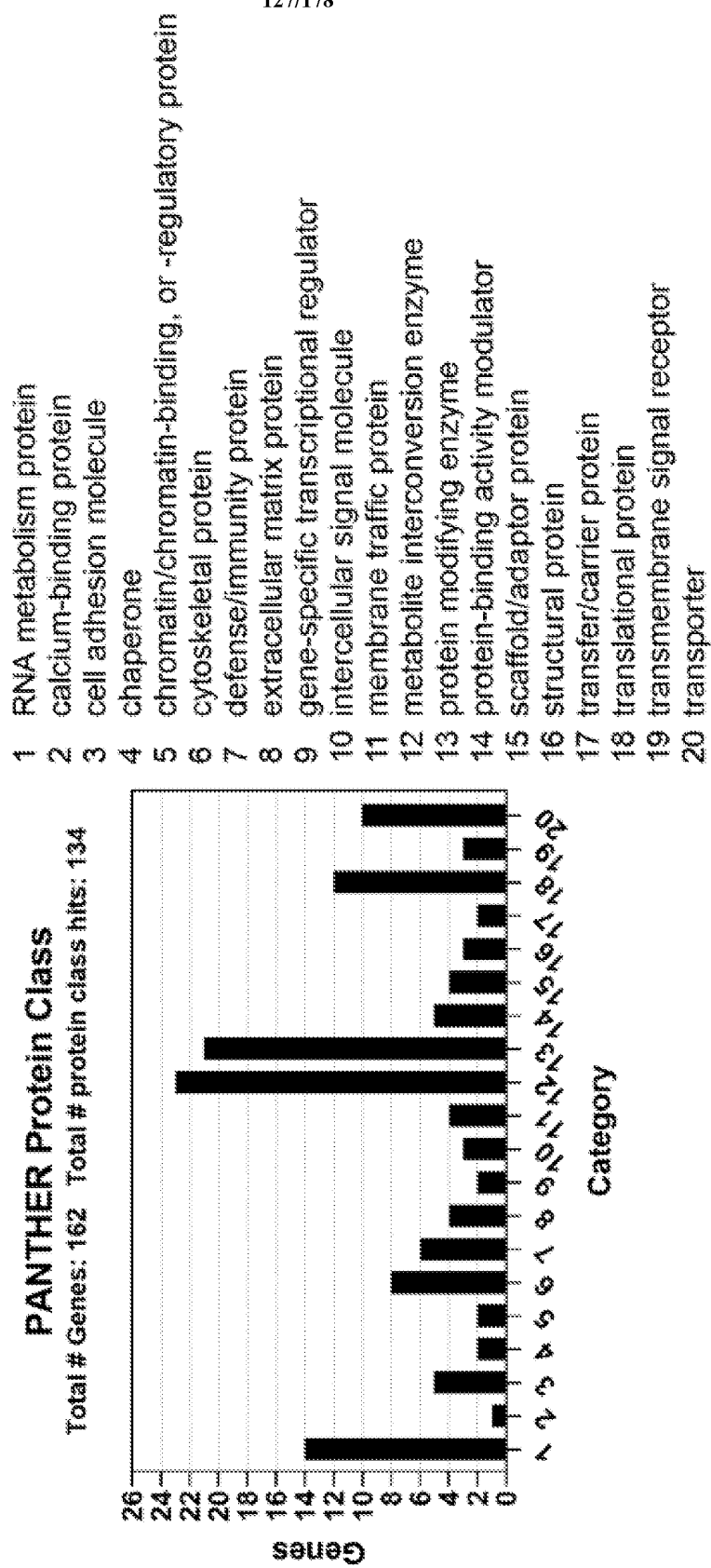


FIG. 124

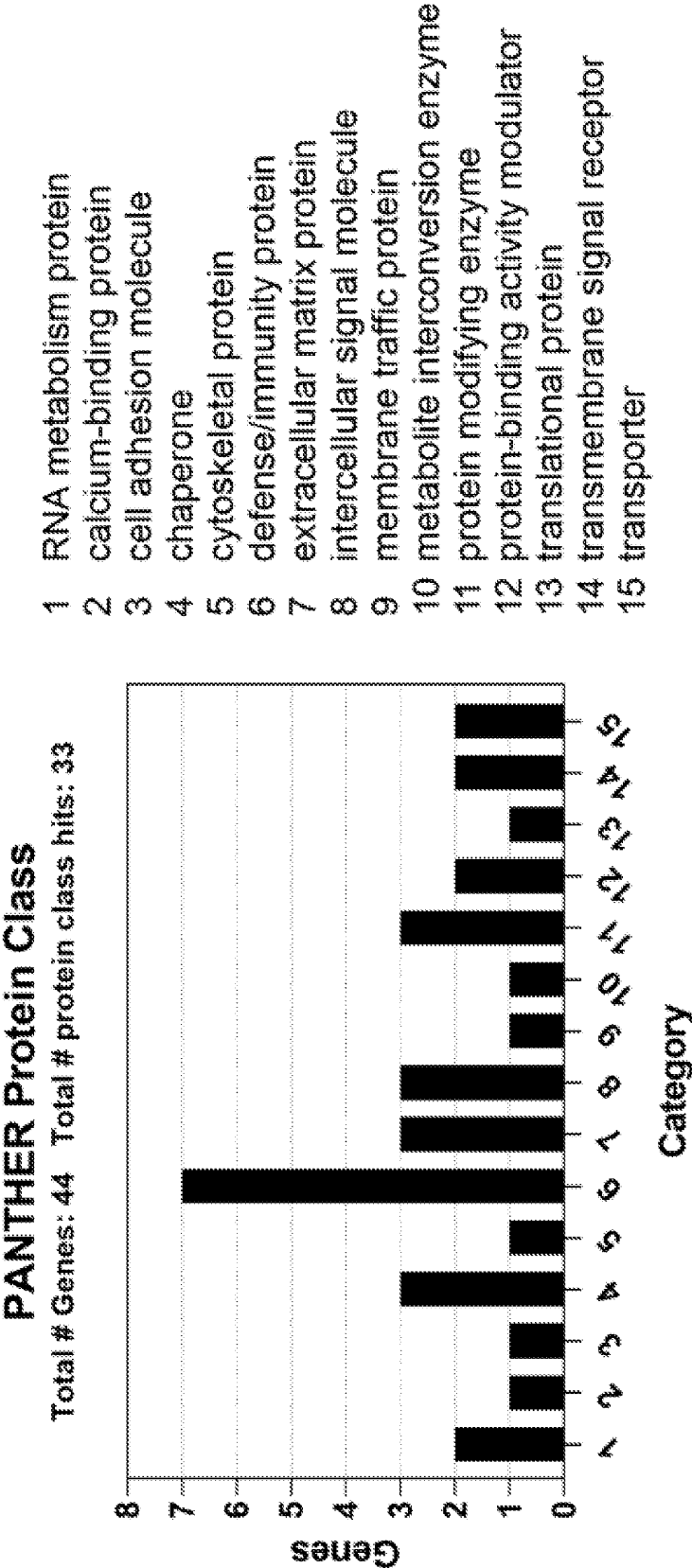


FIG. 125

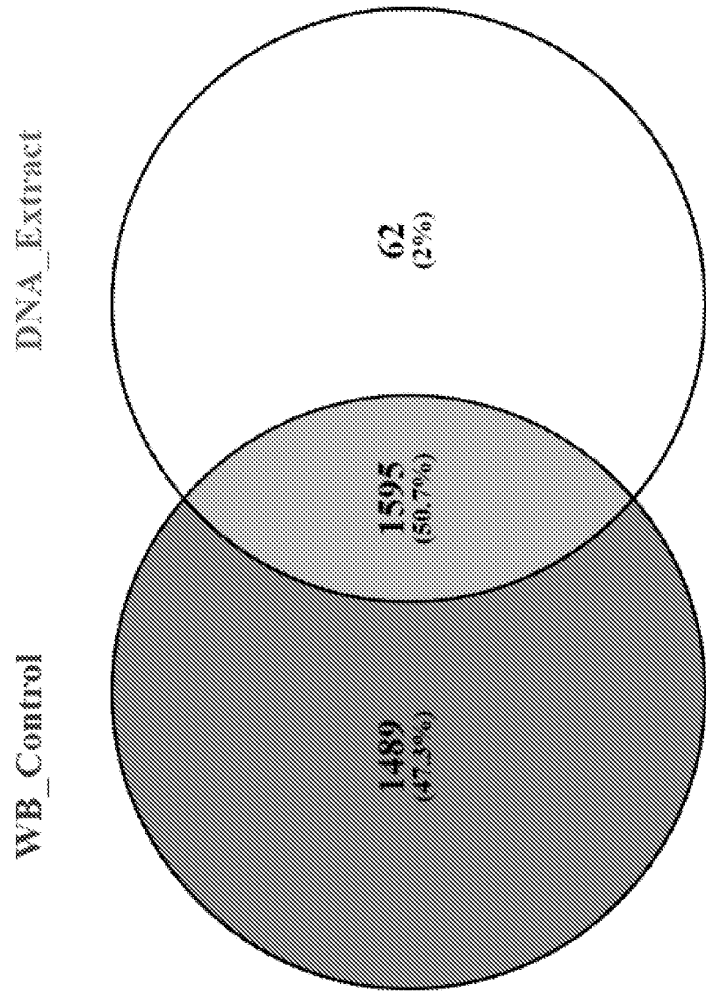
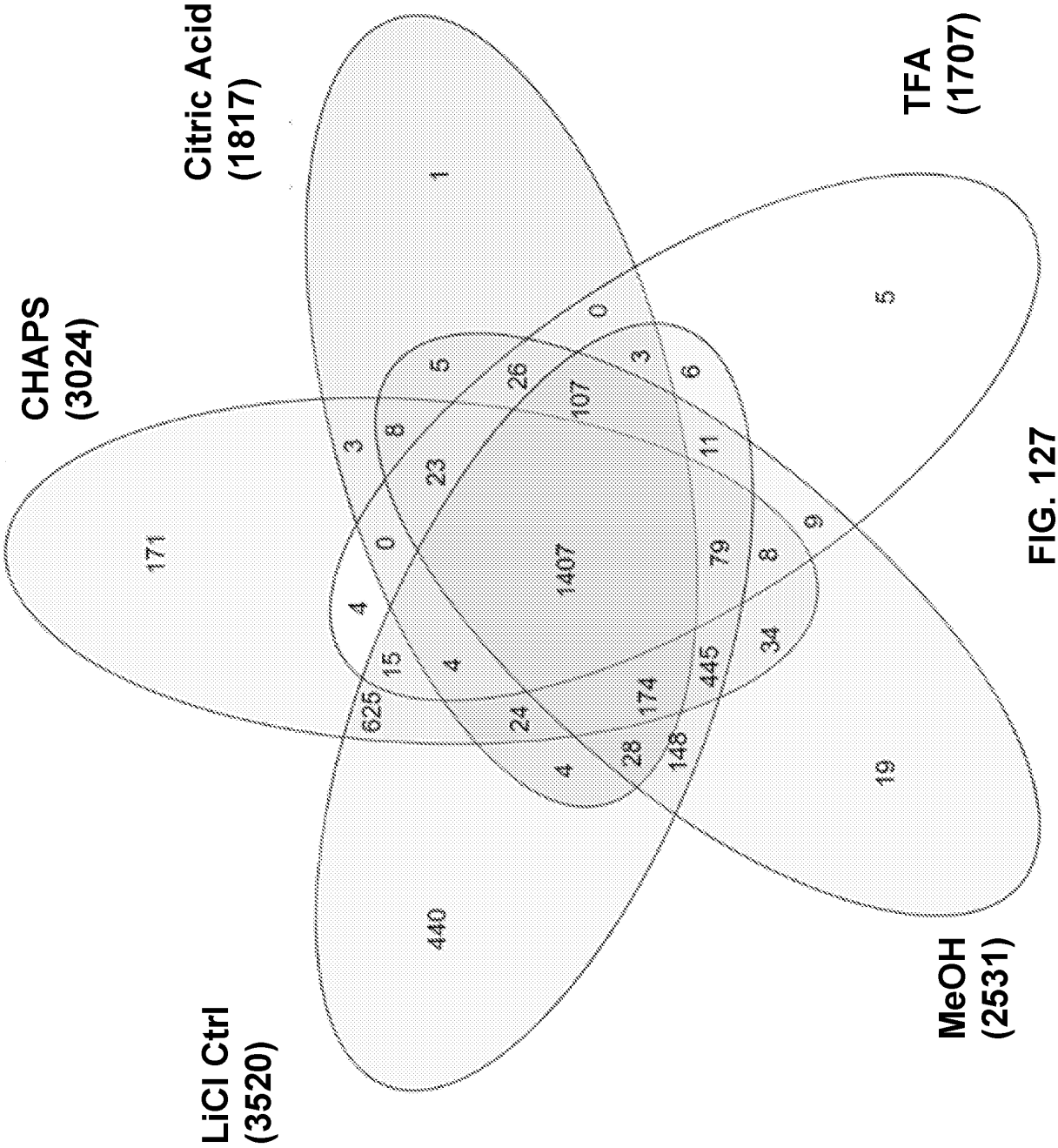


FIG. 126



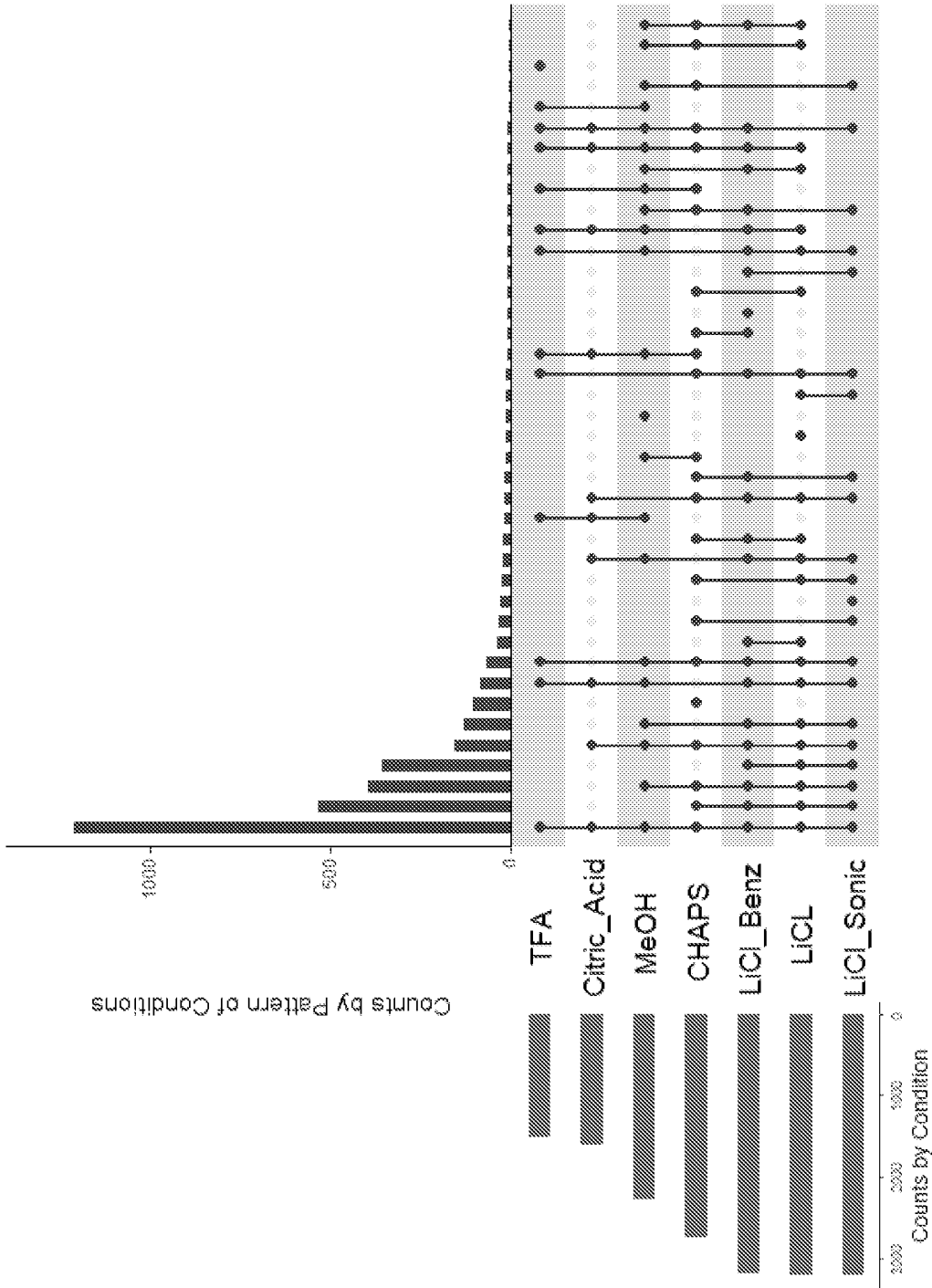


FIG. 128

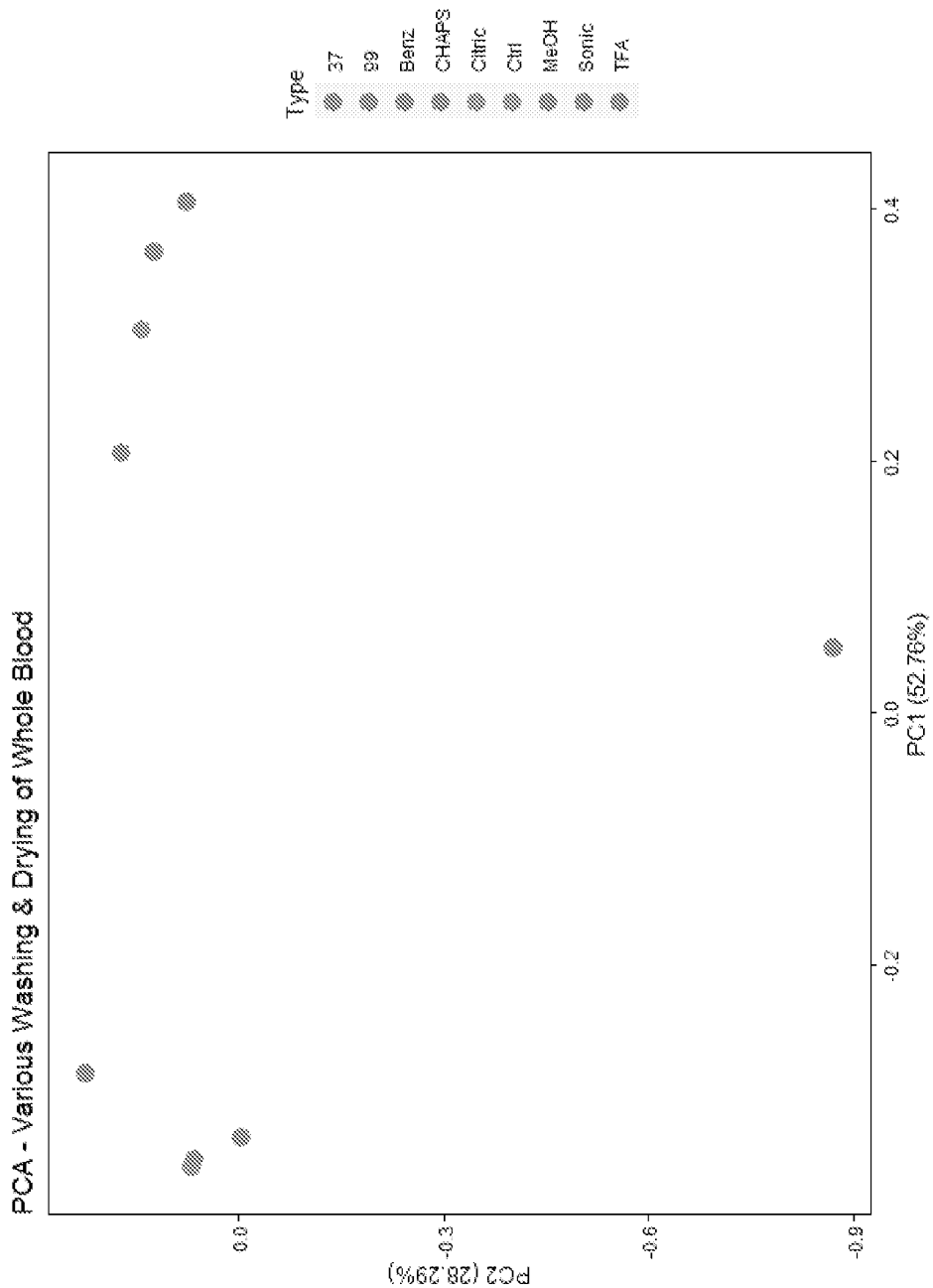


FIG. 129

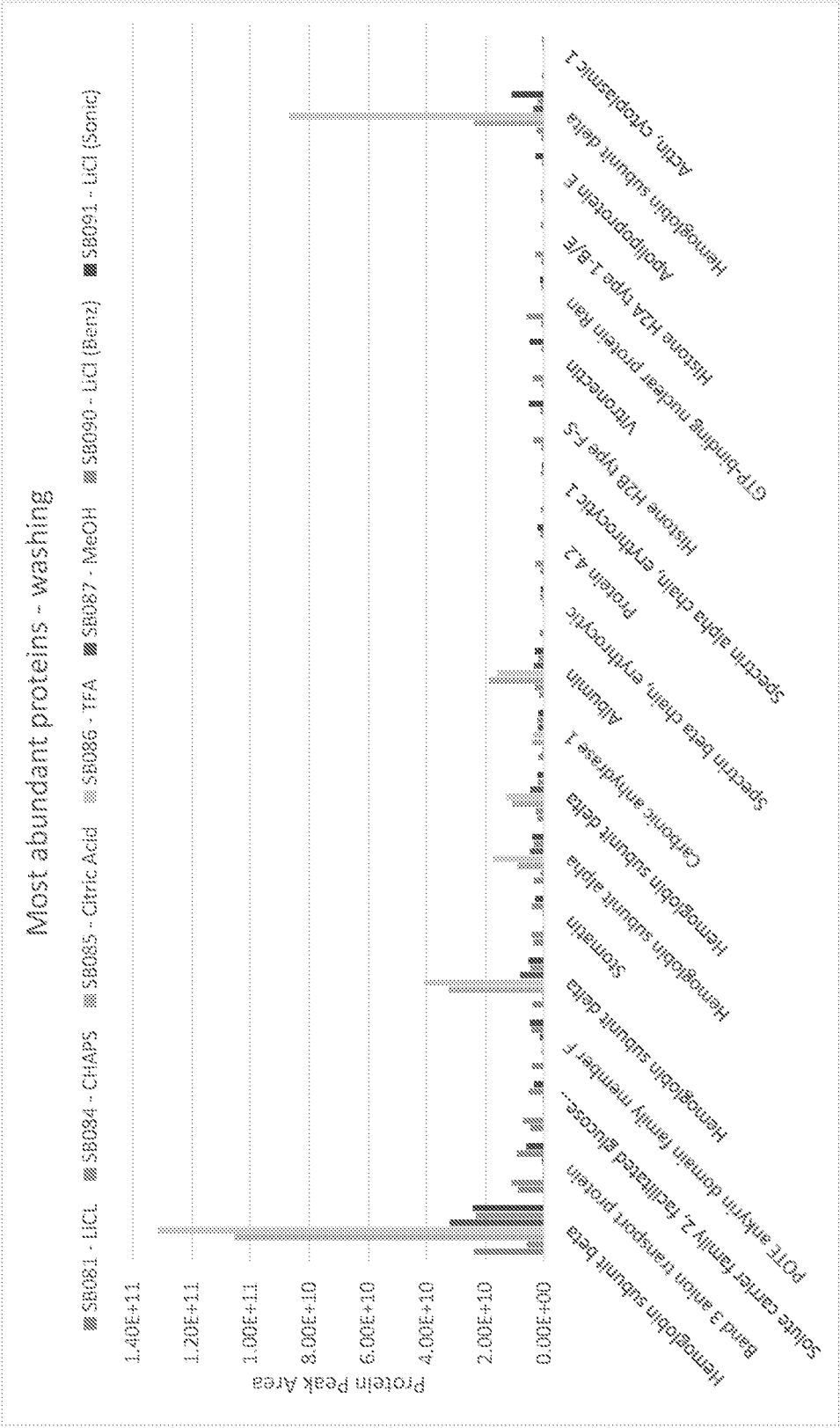


FIG. 130

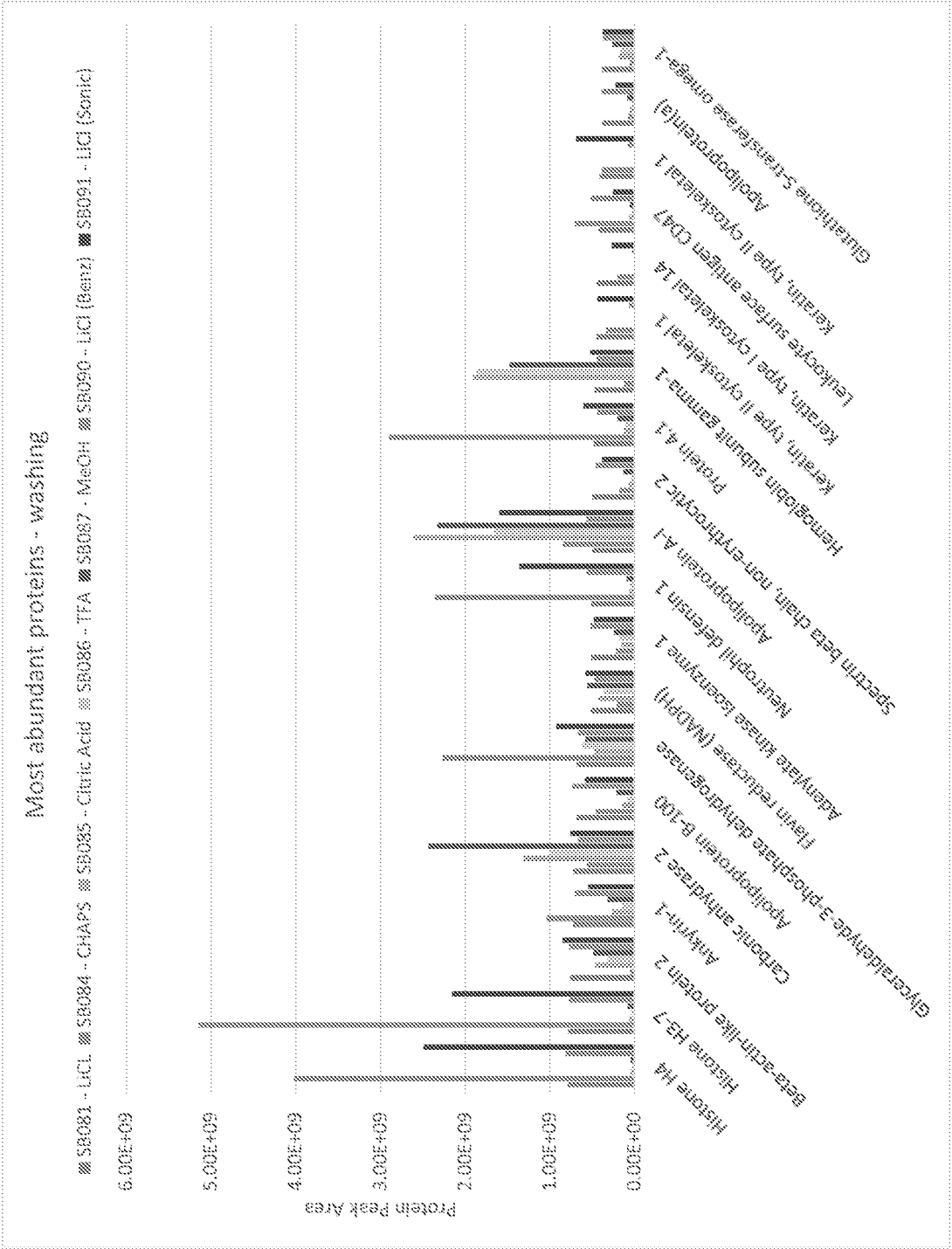


FIG. 131

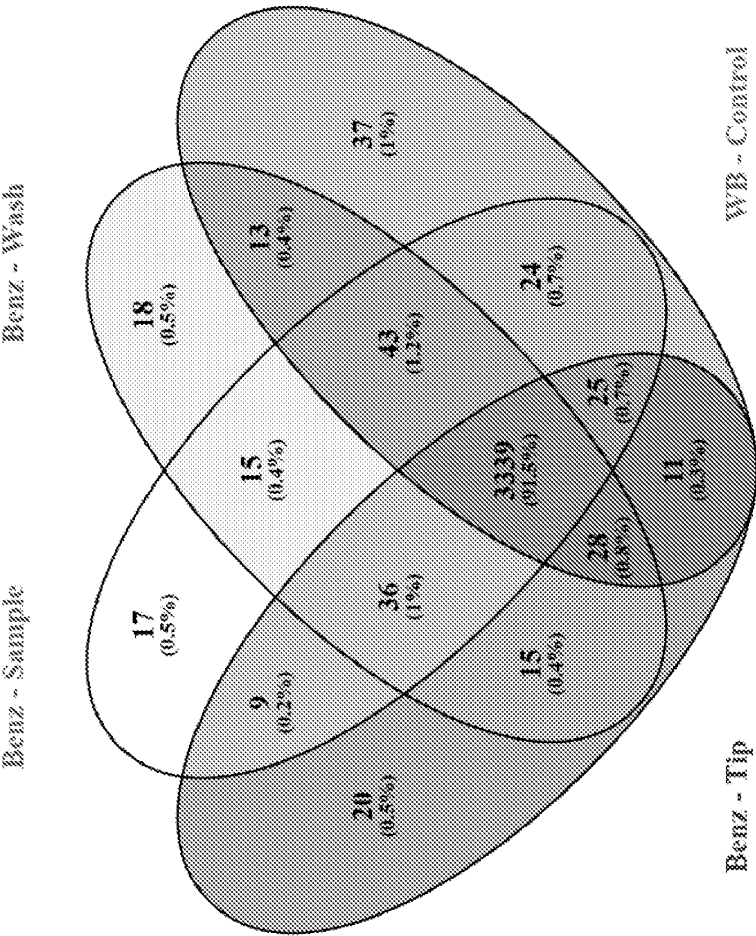


FIG. 132

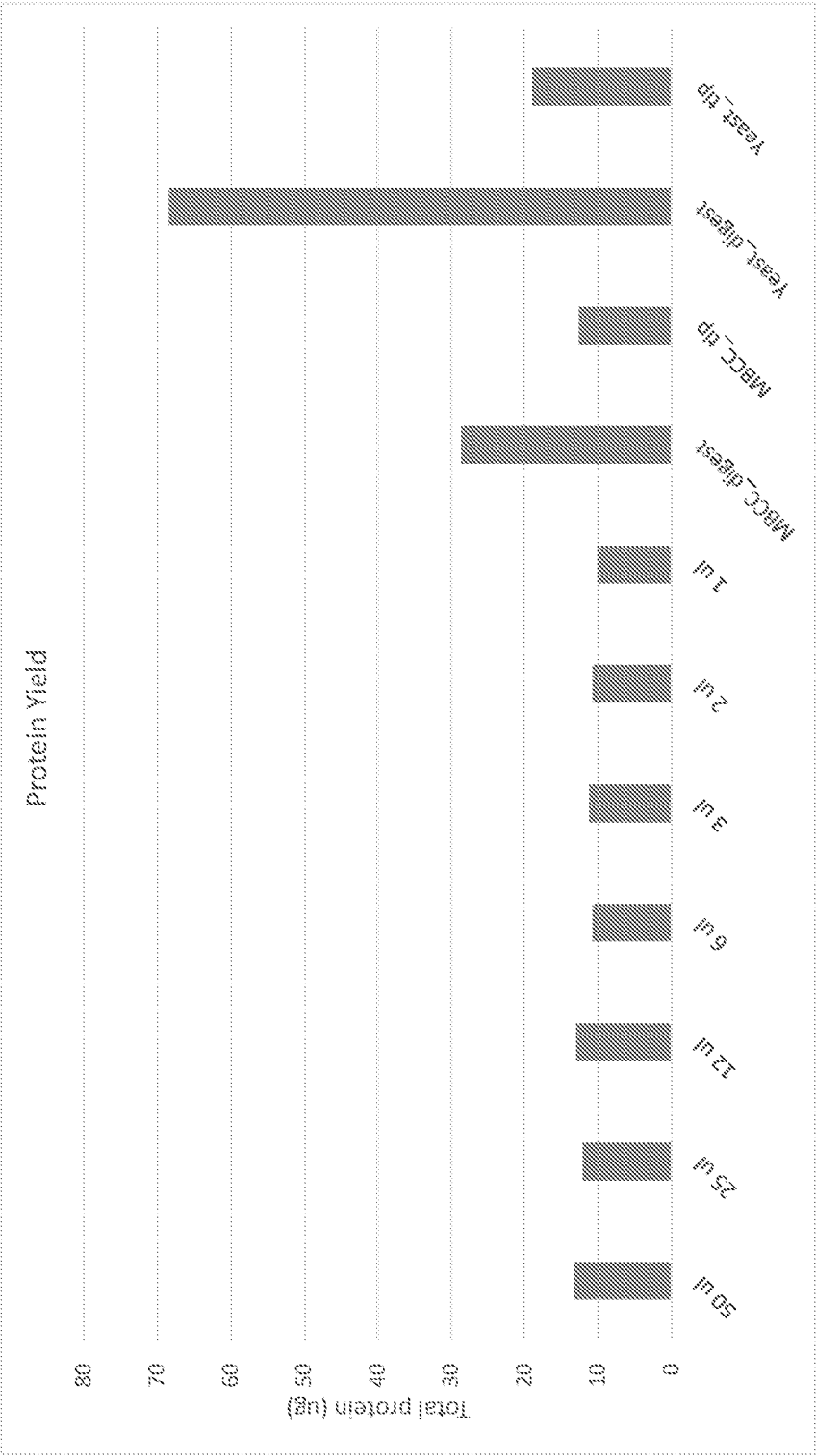


FIG. 133

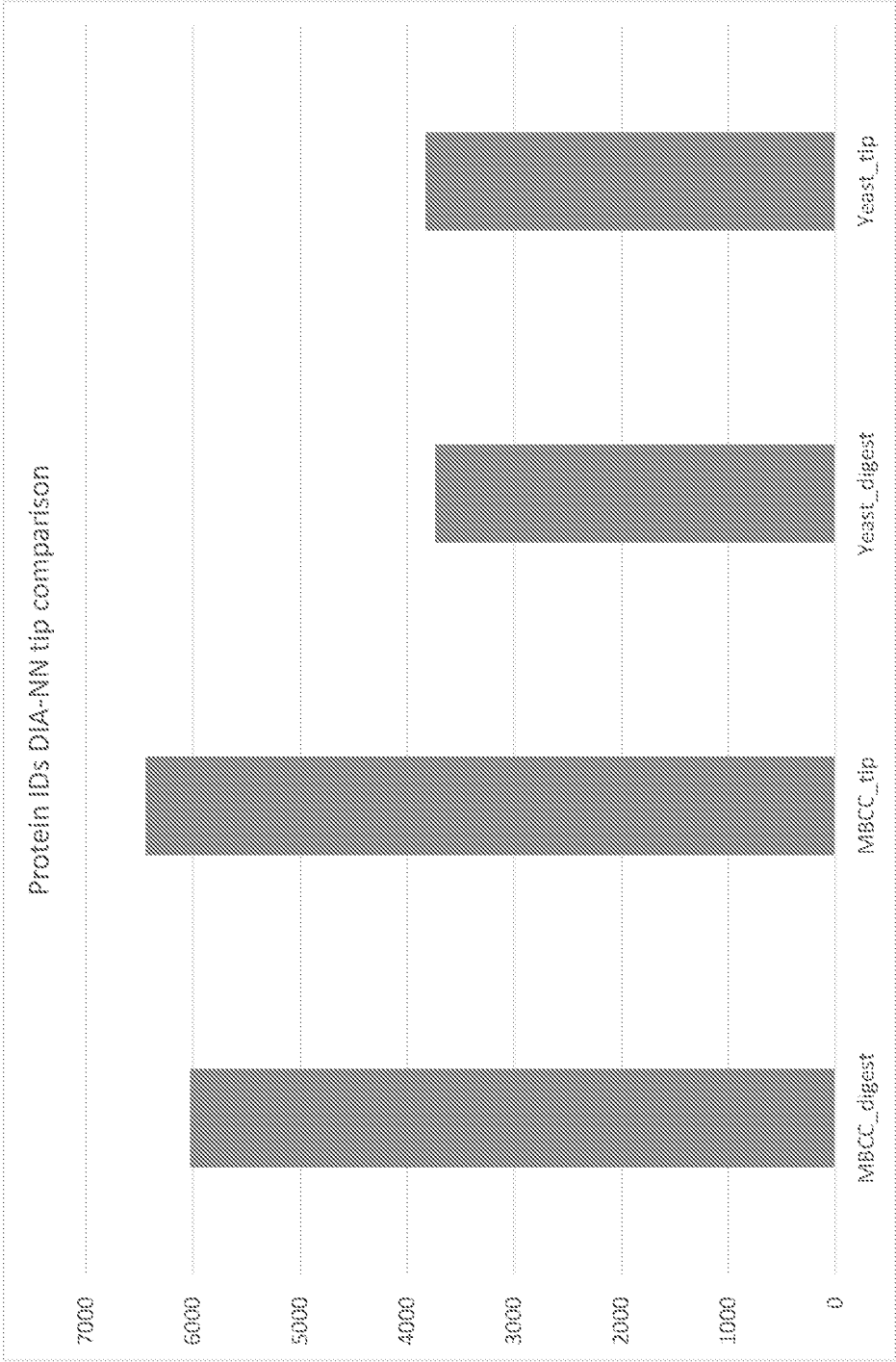


FIG. 134

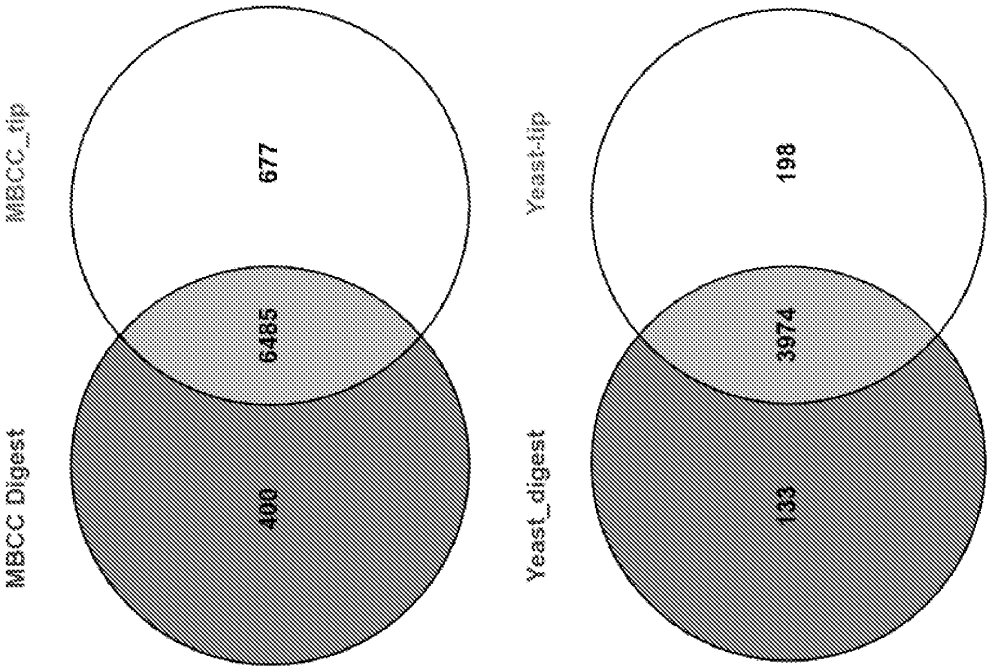
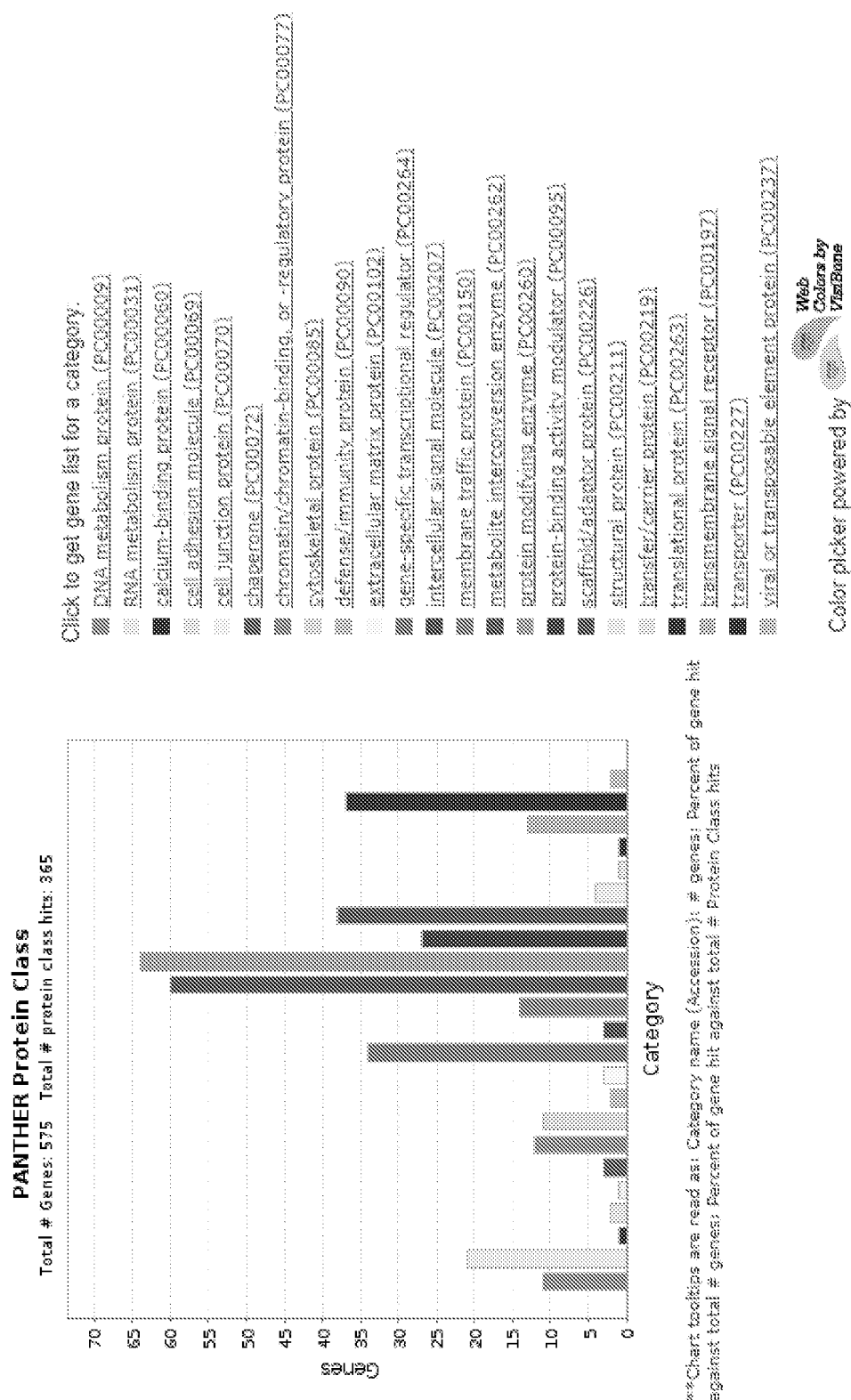


FIG. 135



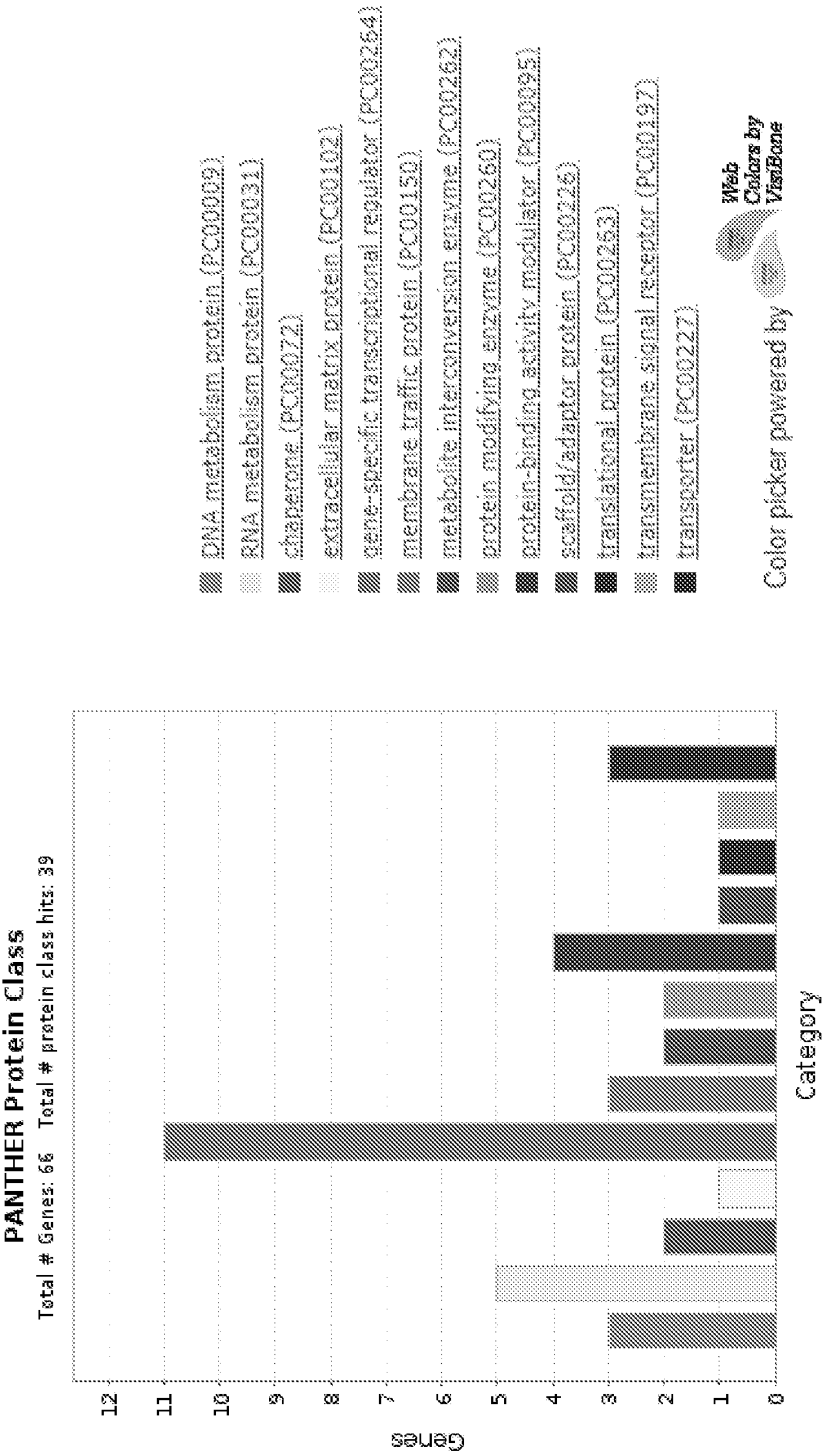


FIG. 138

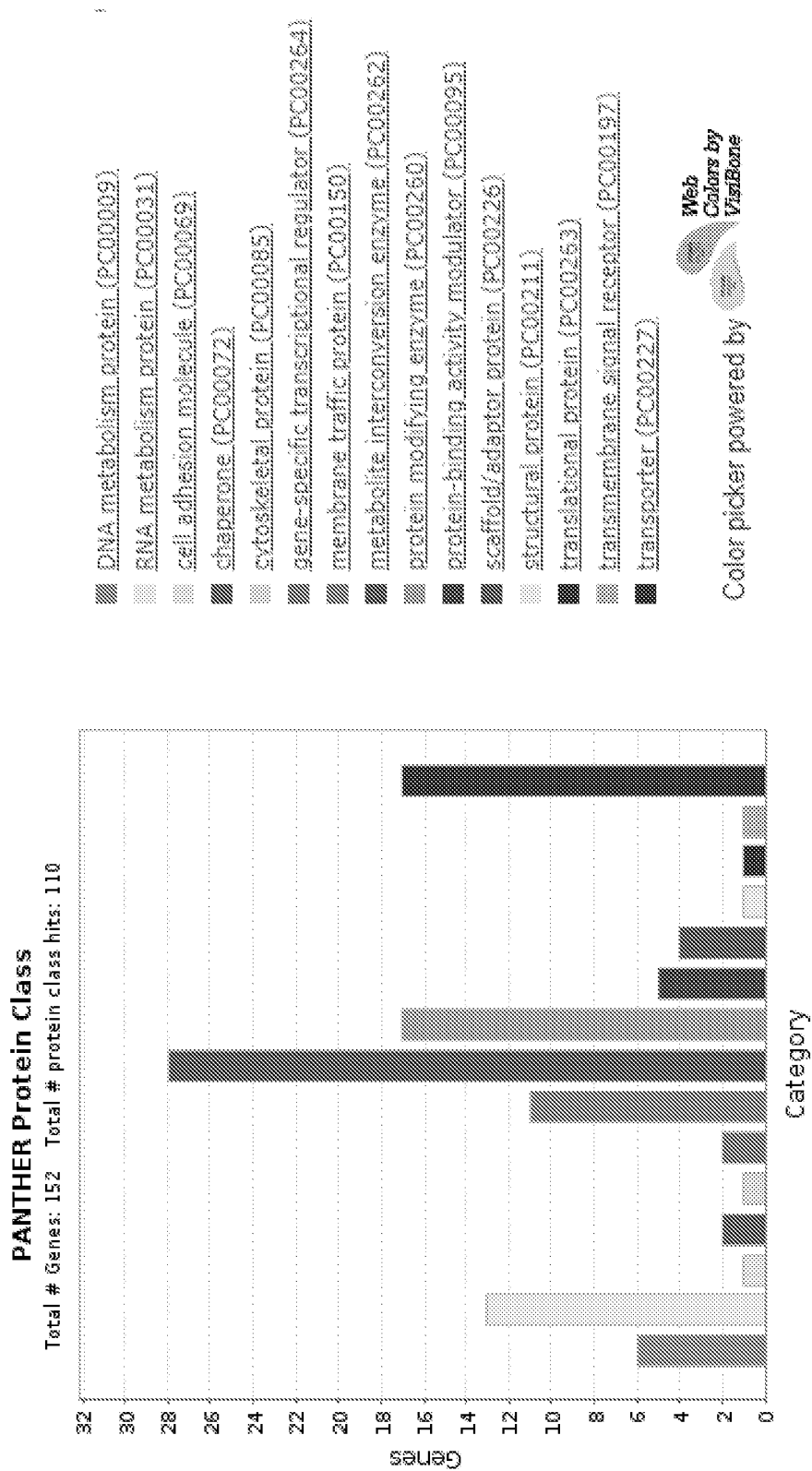


FIG. 139

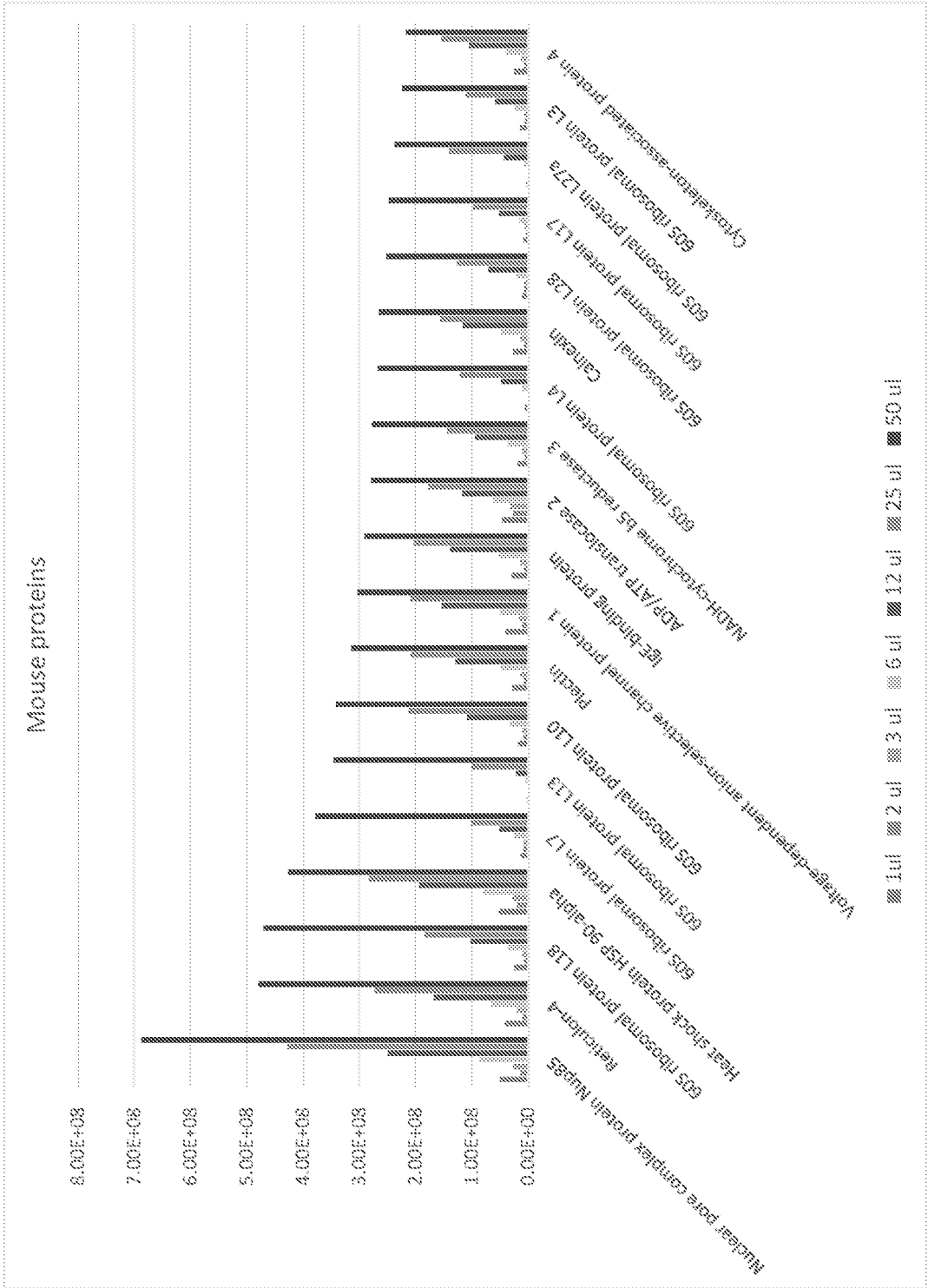


FIG. 140

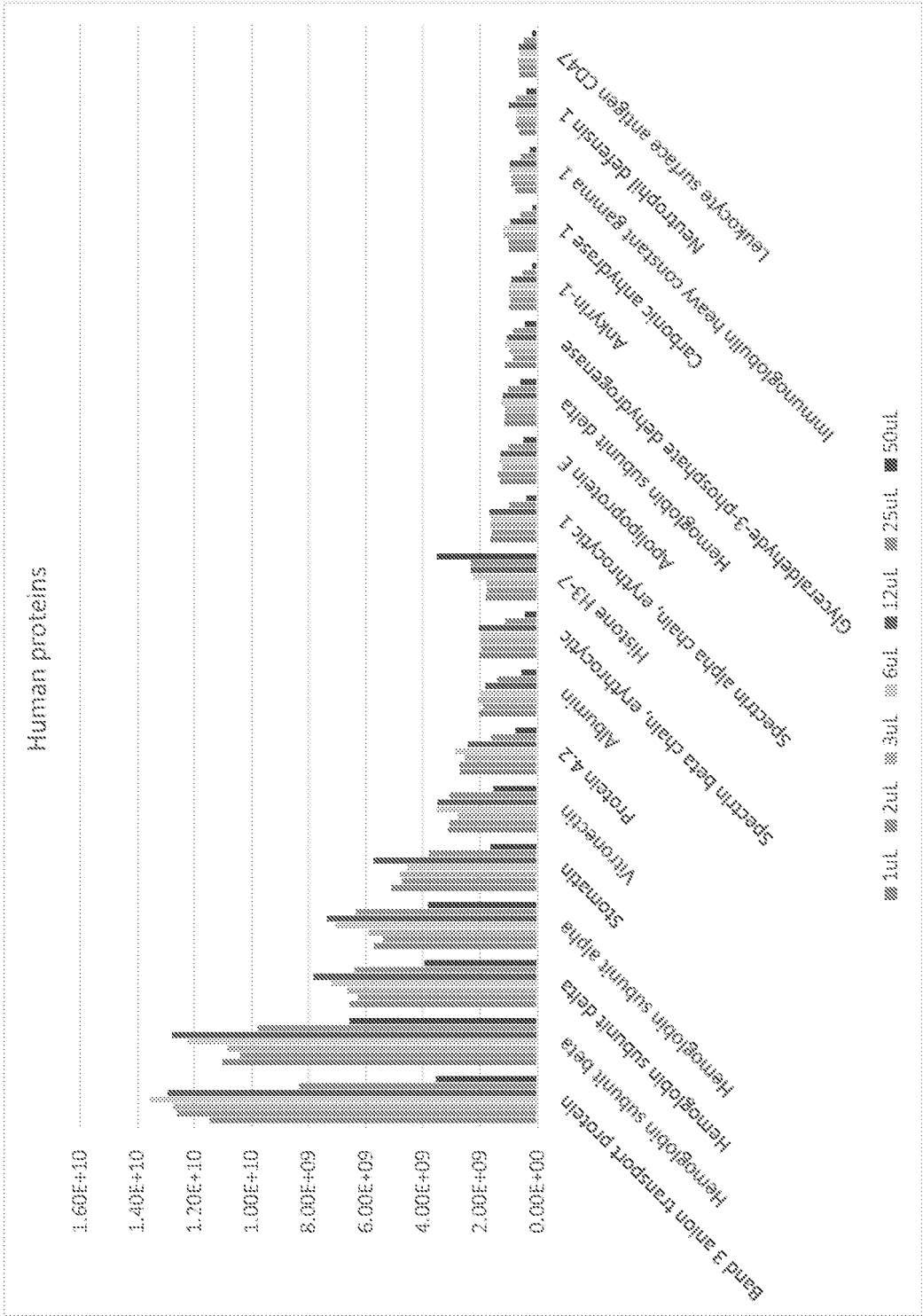


FIG. 141

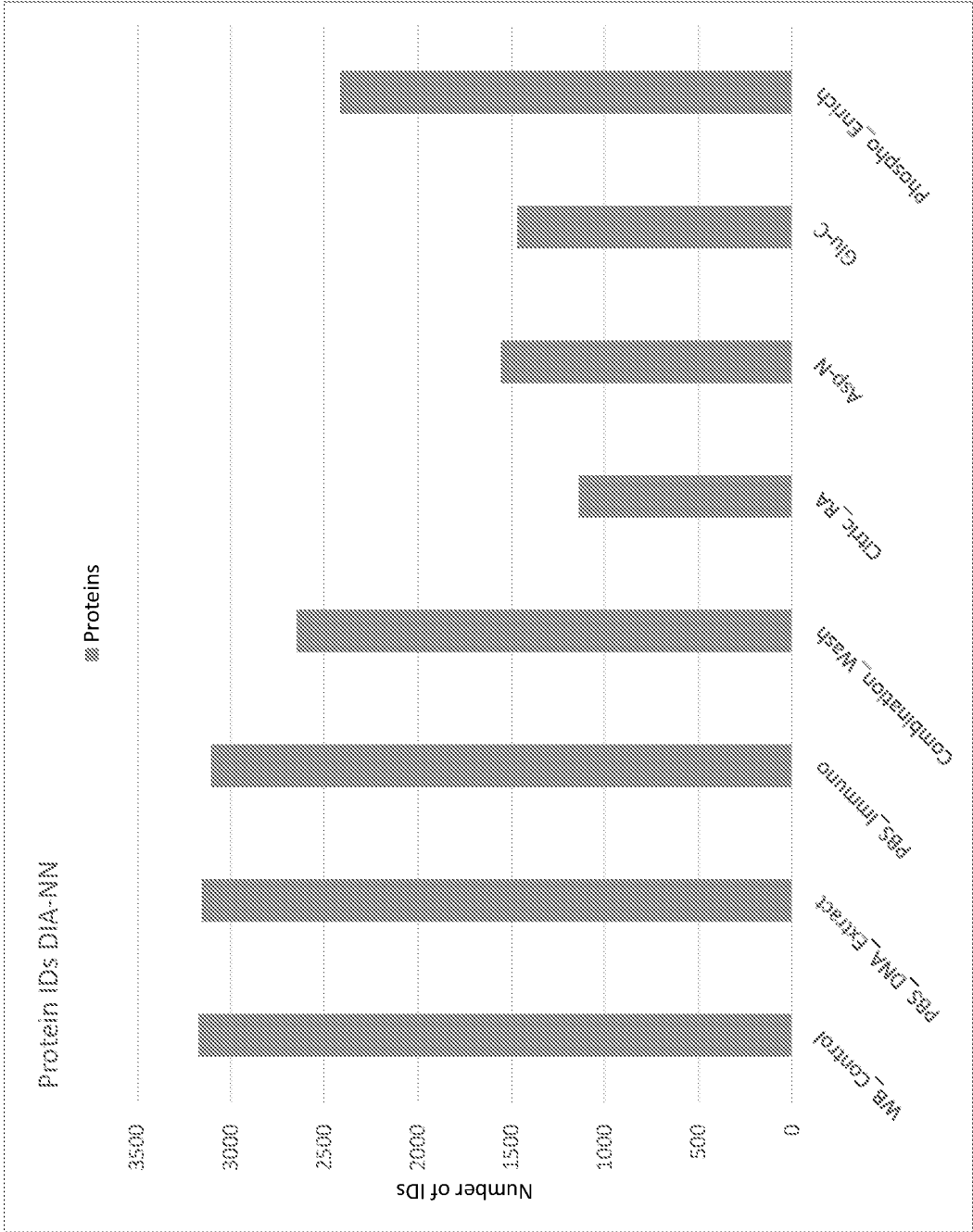


FIG. 142

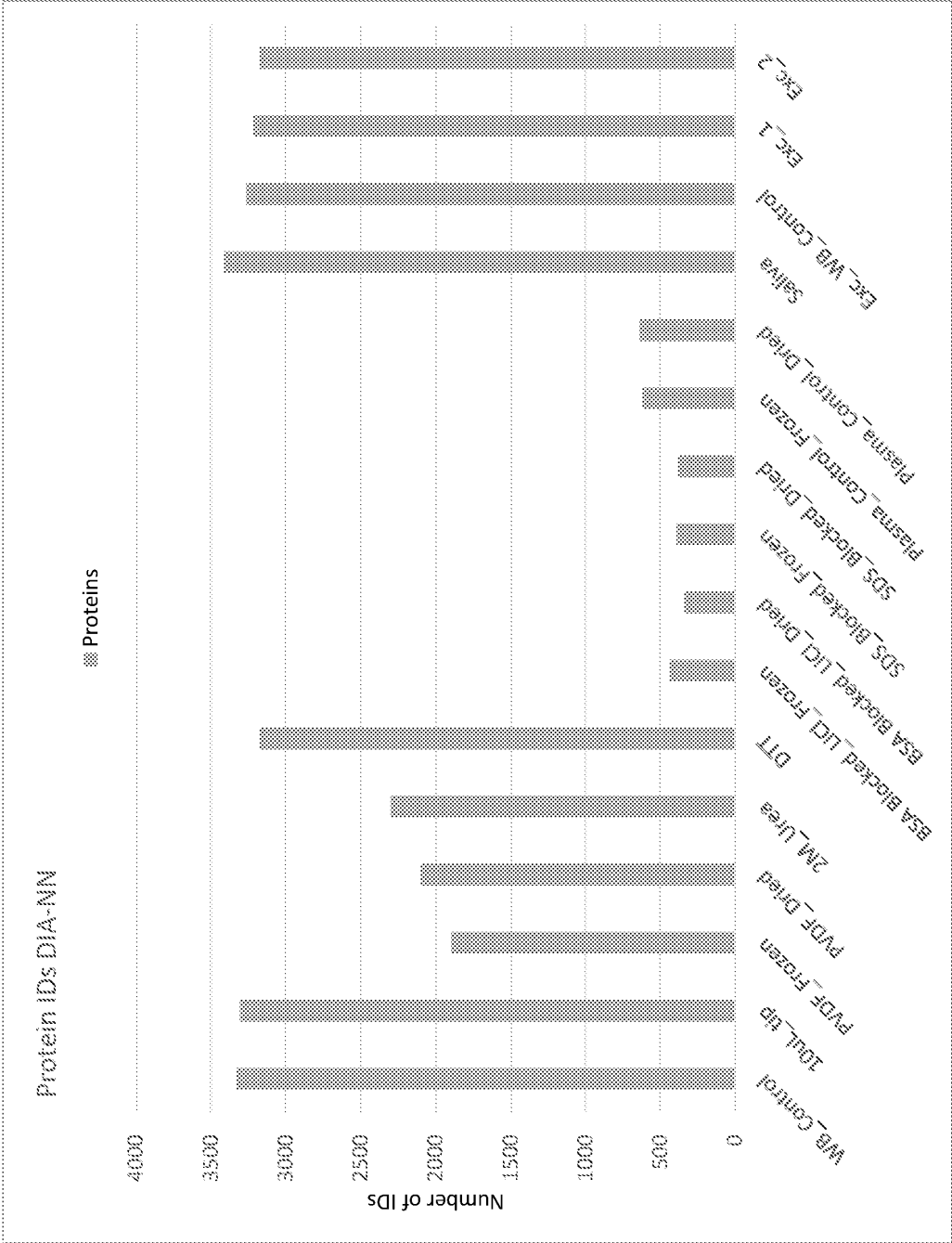


FIG. 143

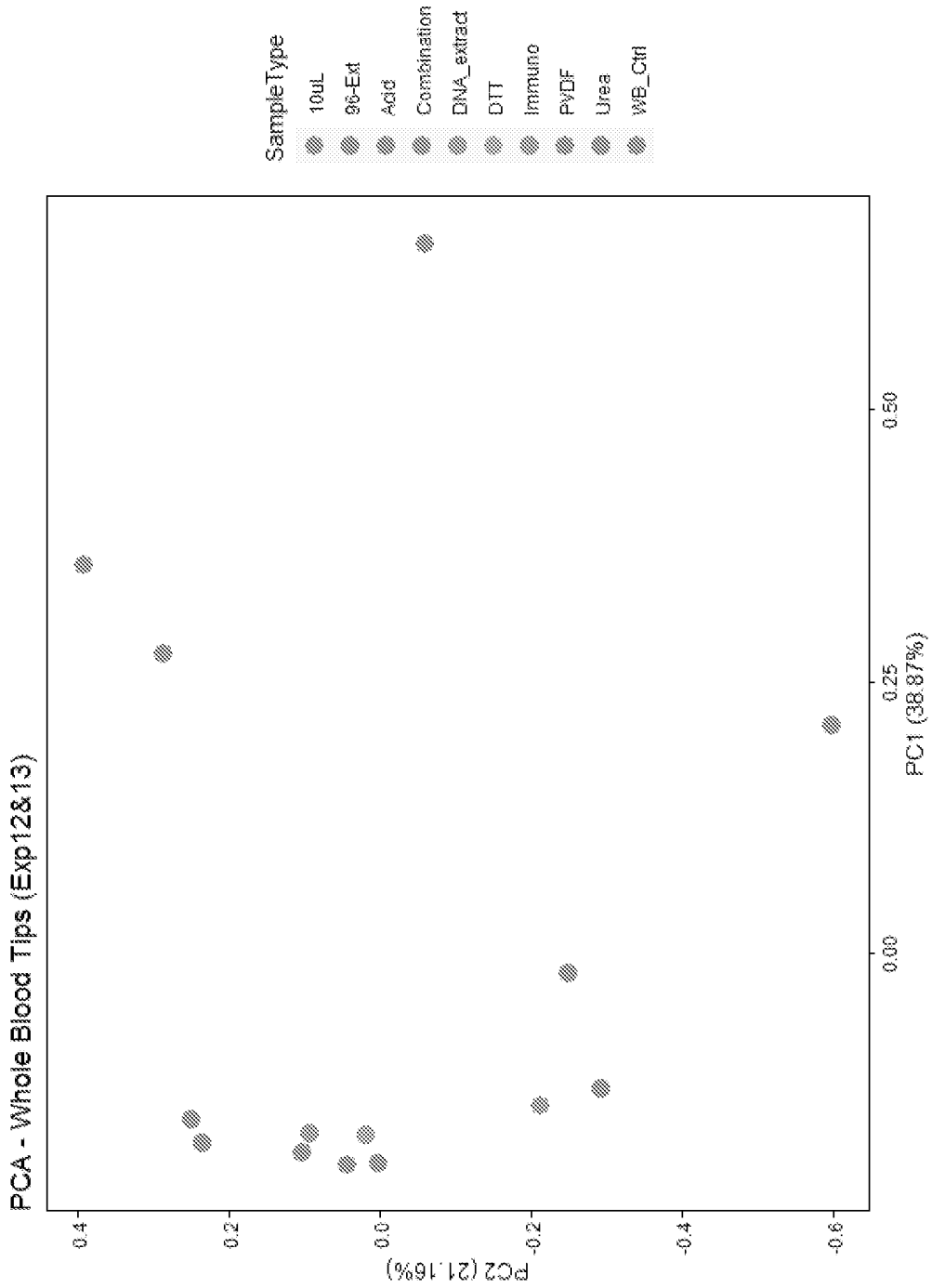


FIG. 144

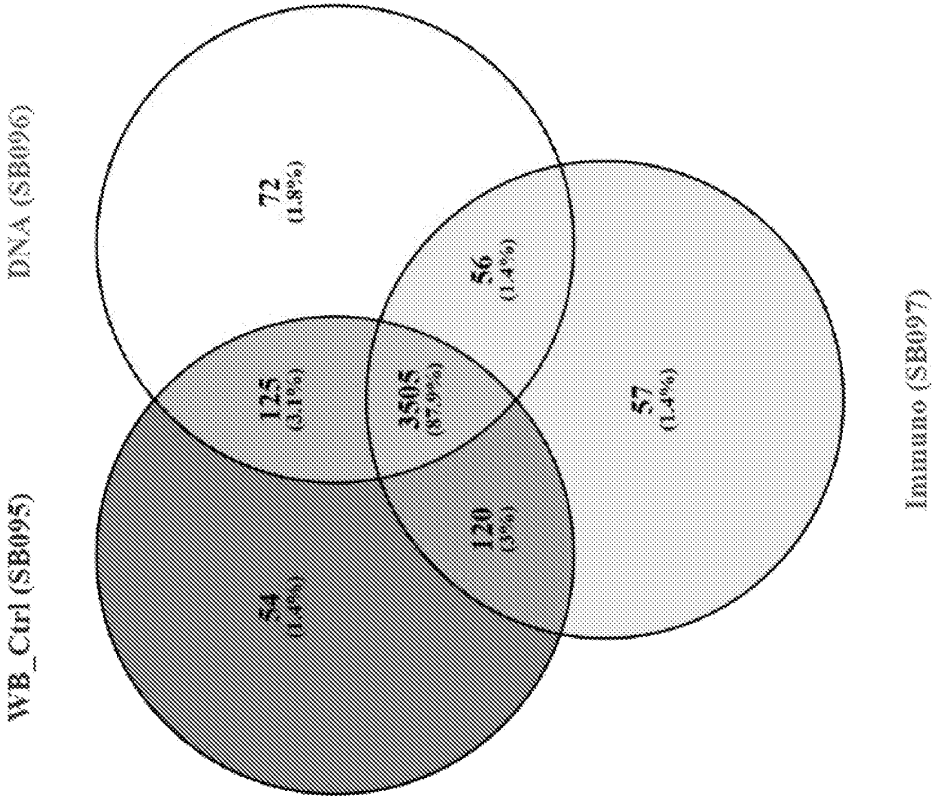


FIG. 145

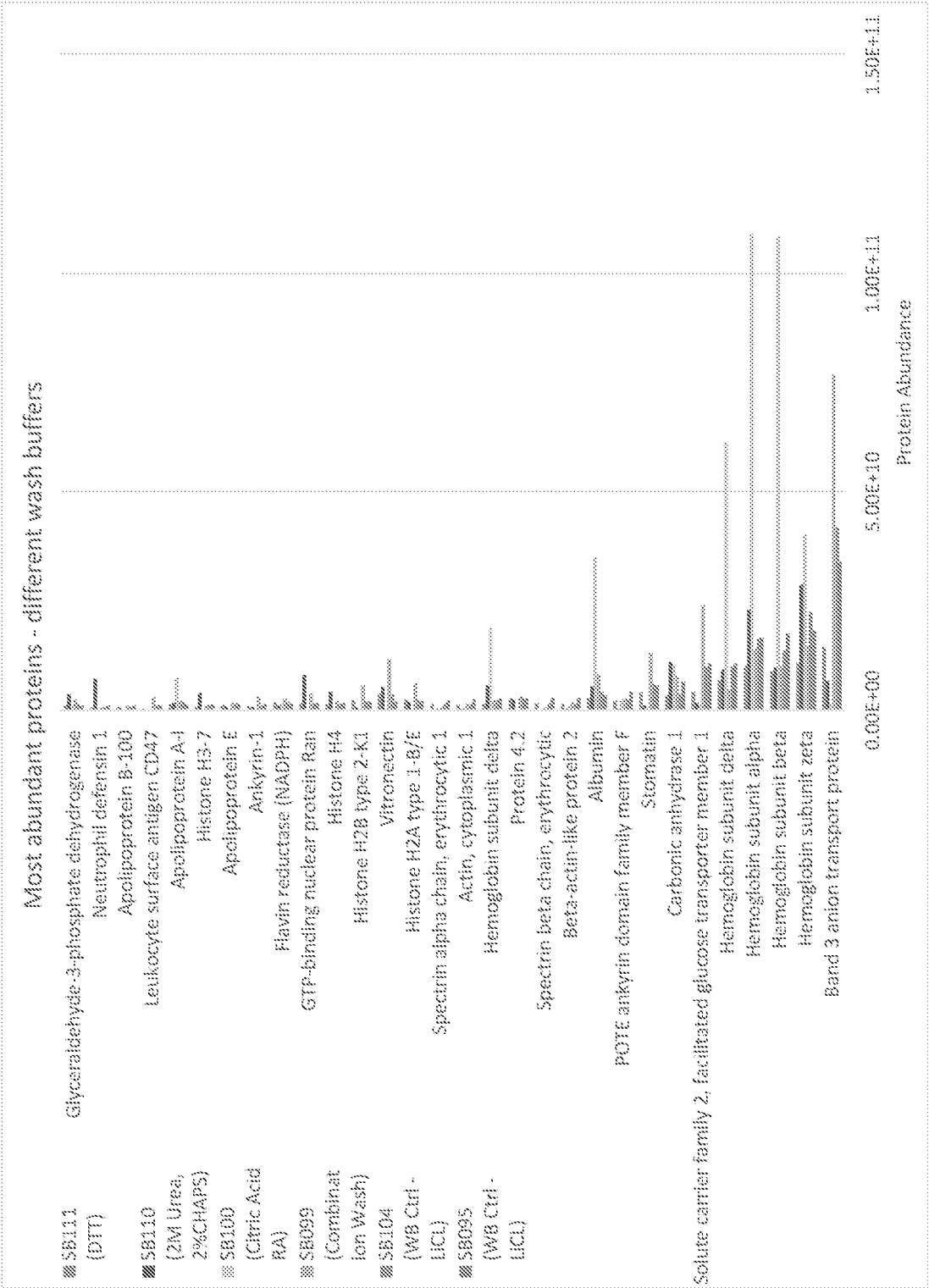


FIG. 146

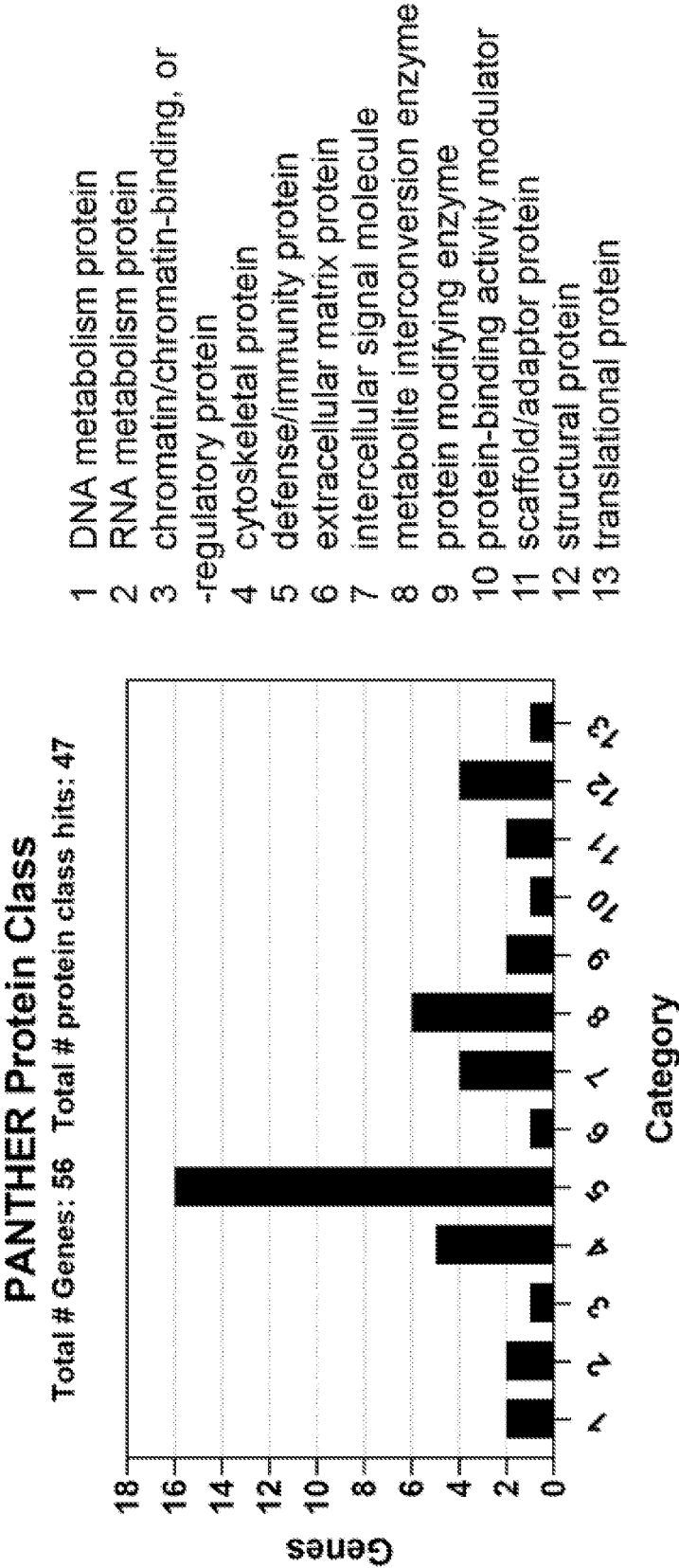


FIG. 147

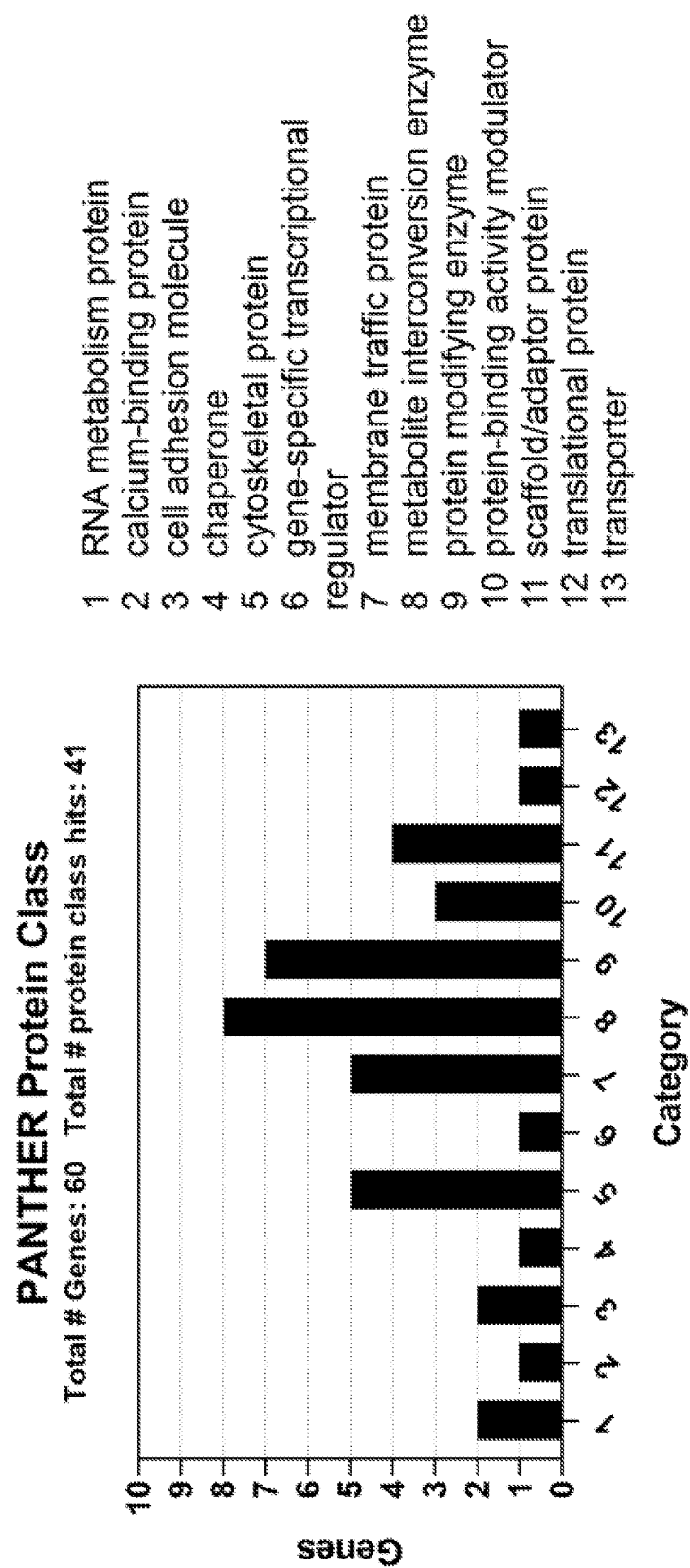


FIG. 148

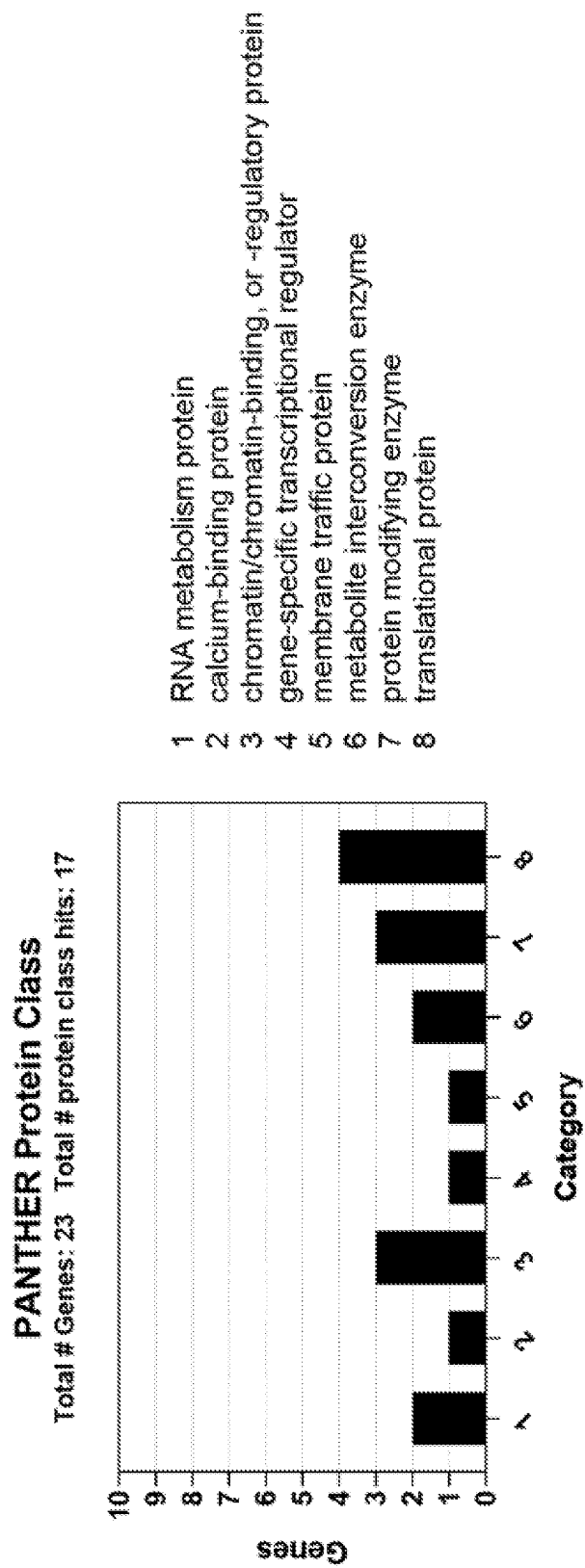


FIG. 149

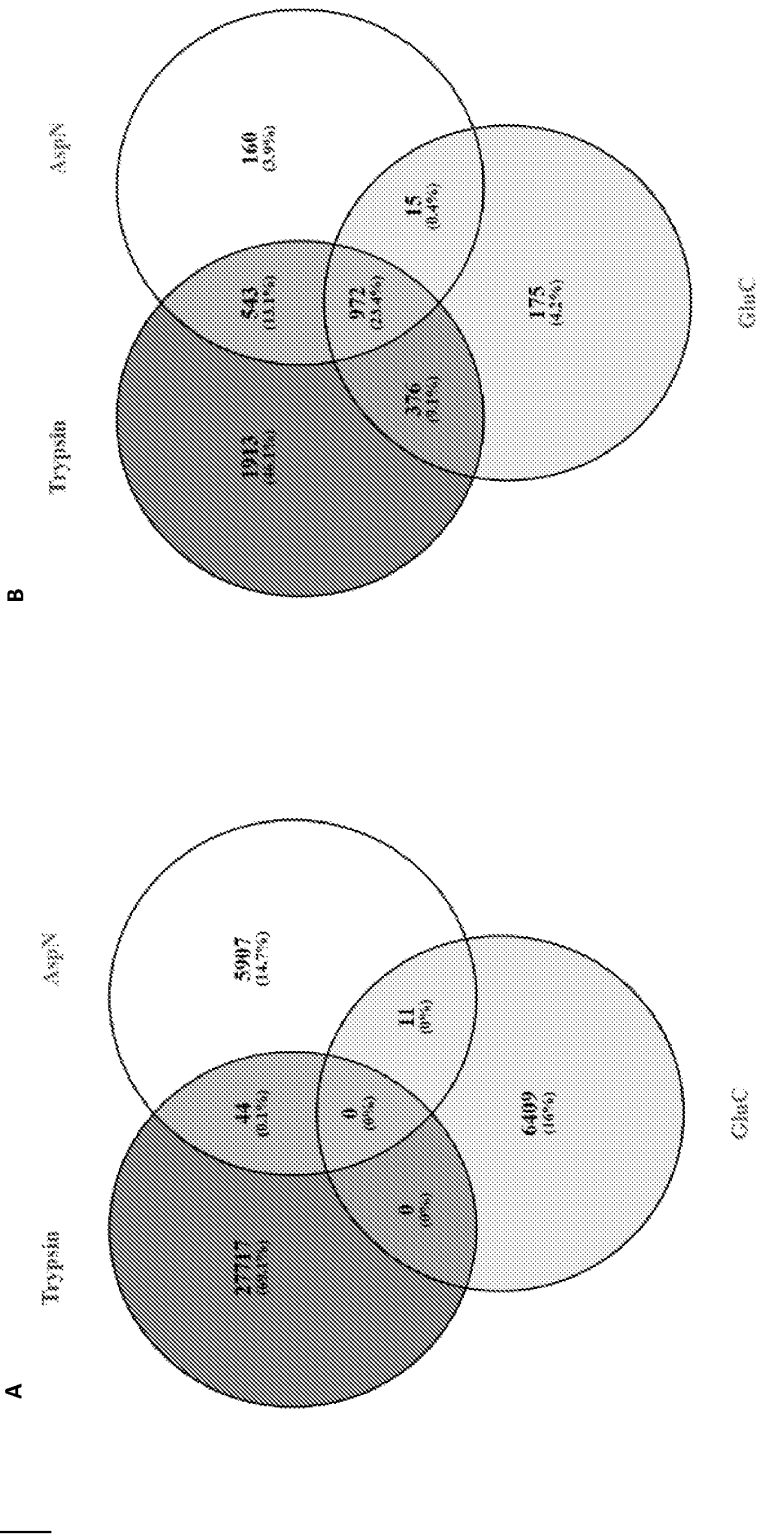
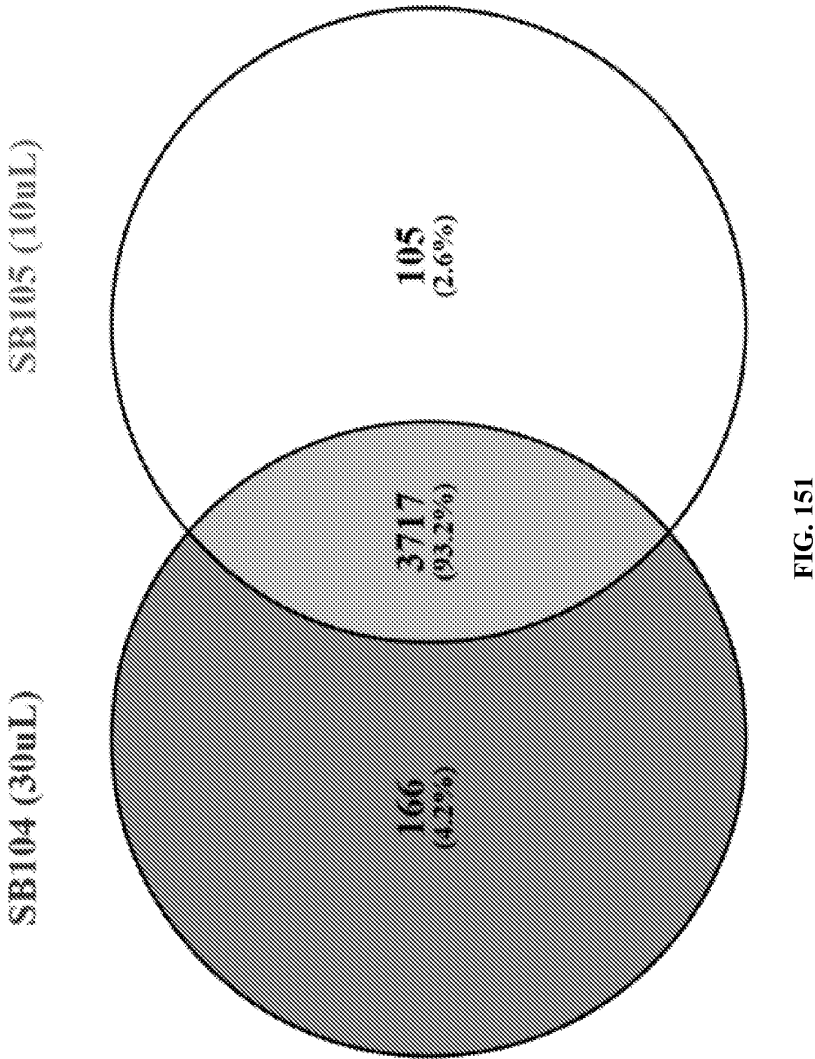


FIG. 150



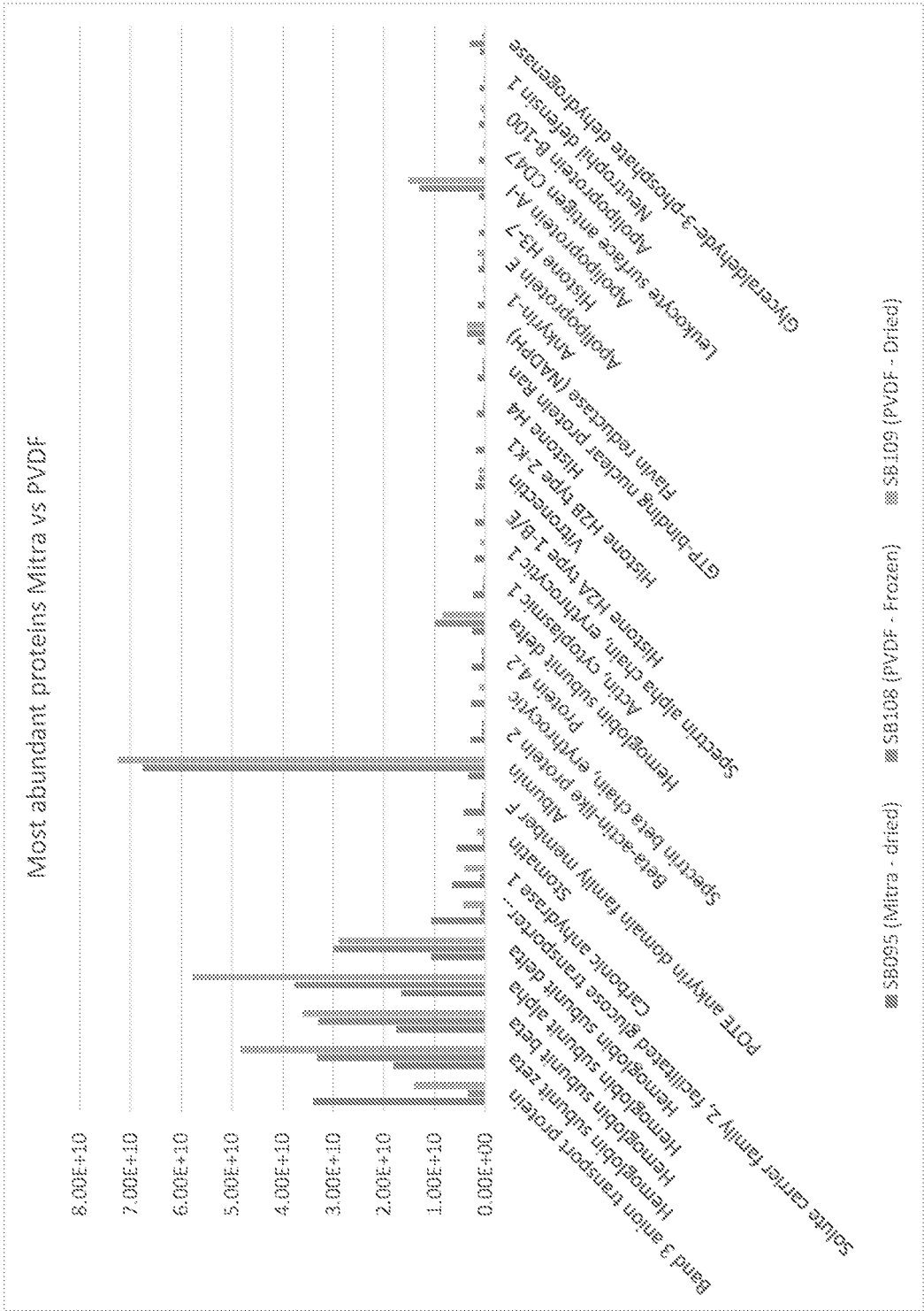


FIG. 152

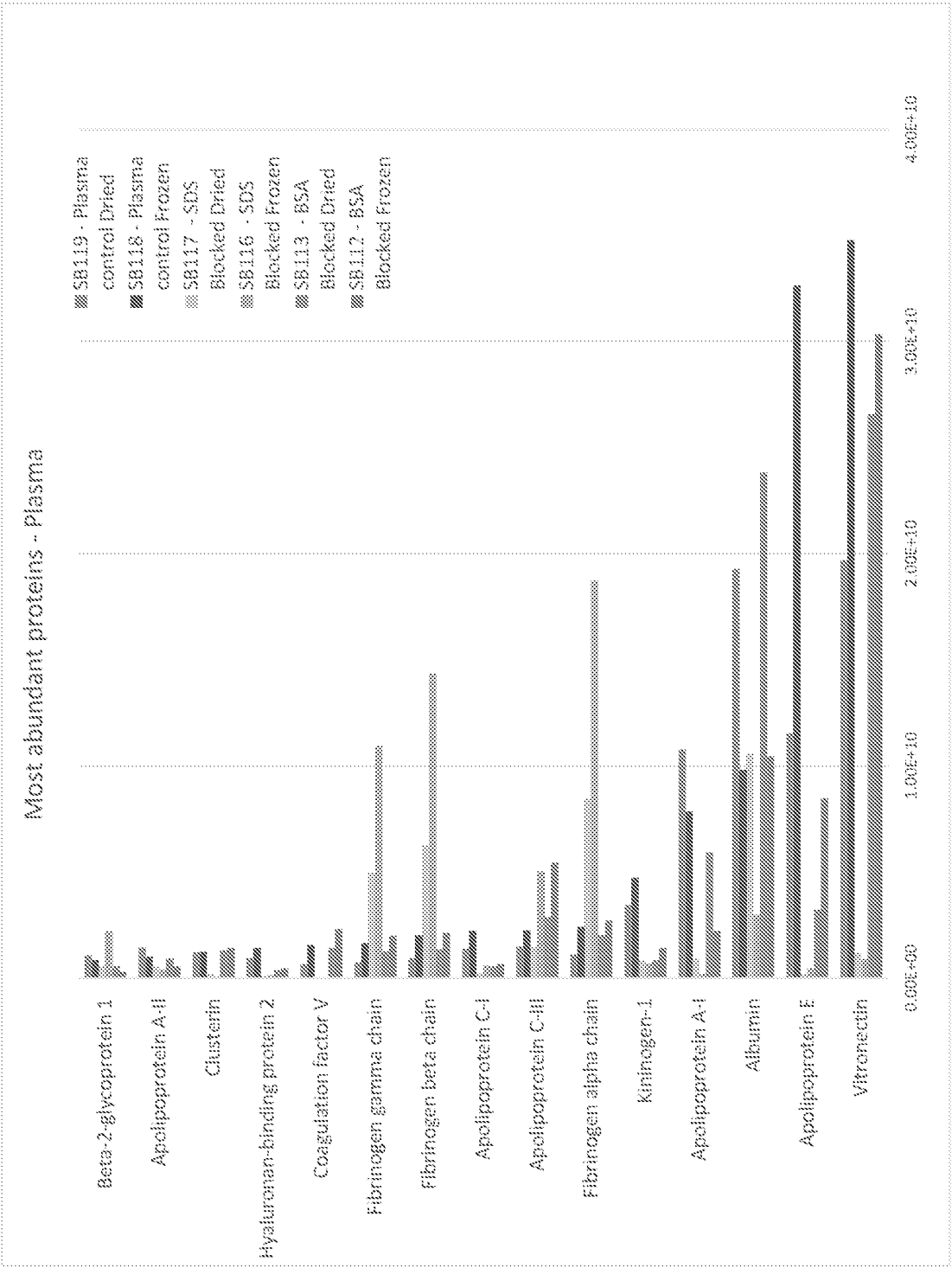


FIG. 153

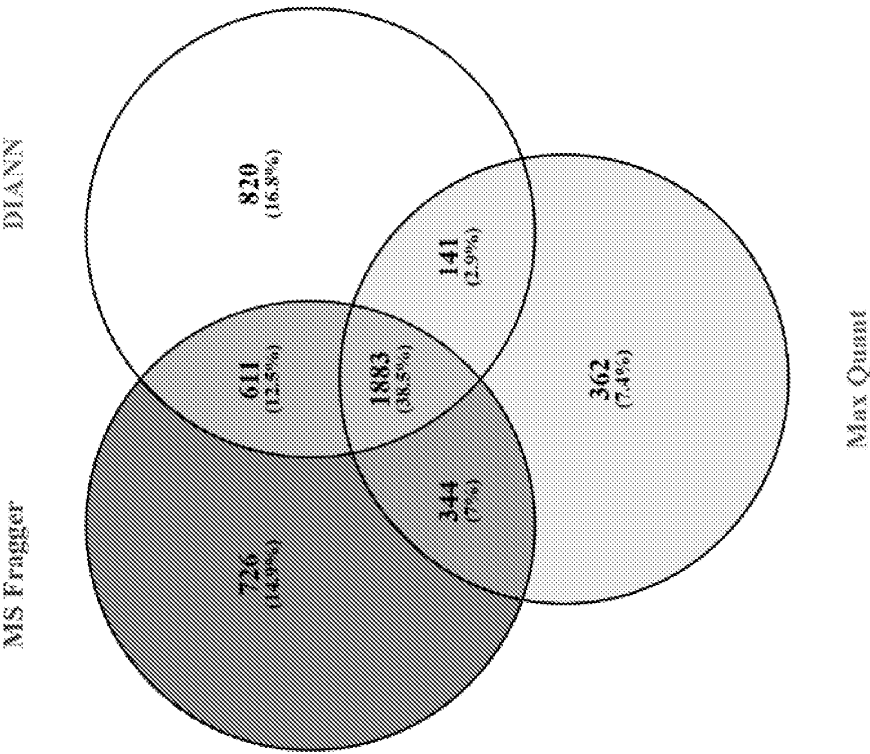


FIG. 154

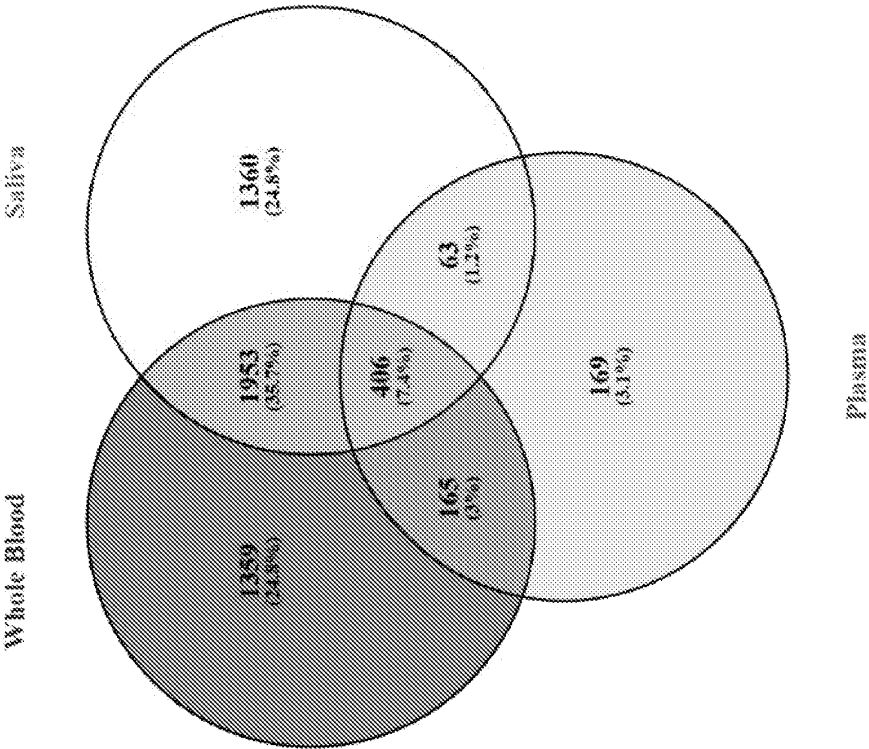


FIG. 155

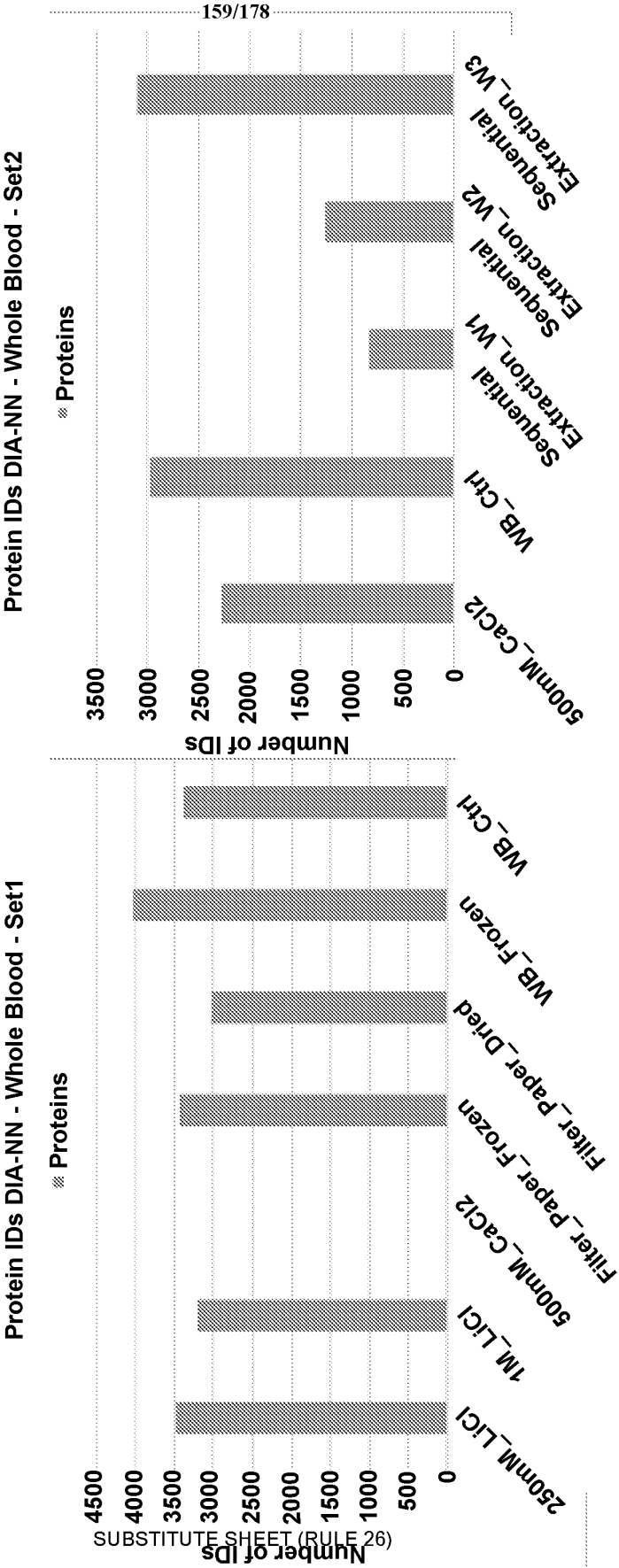


FIG. 156

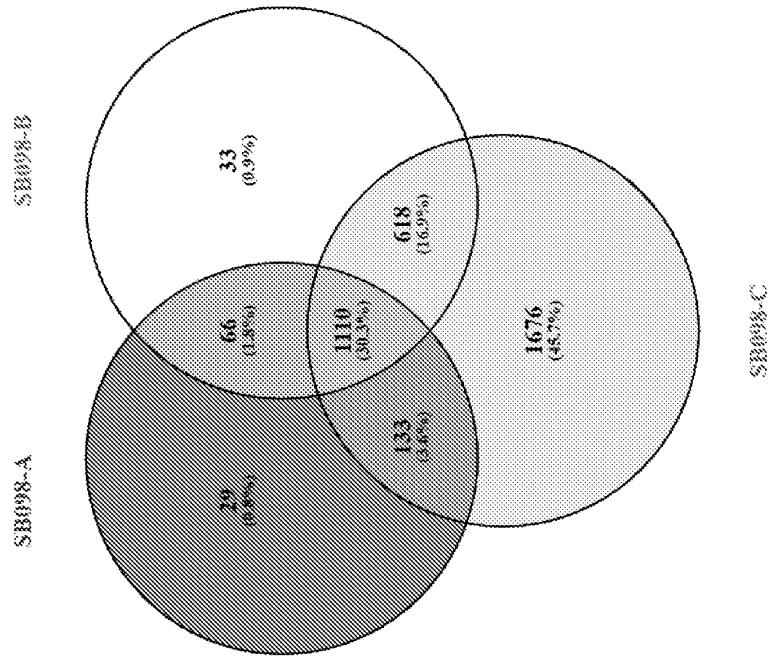


FIG. 157

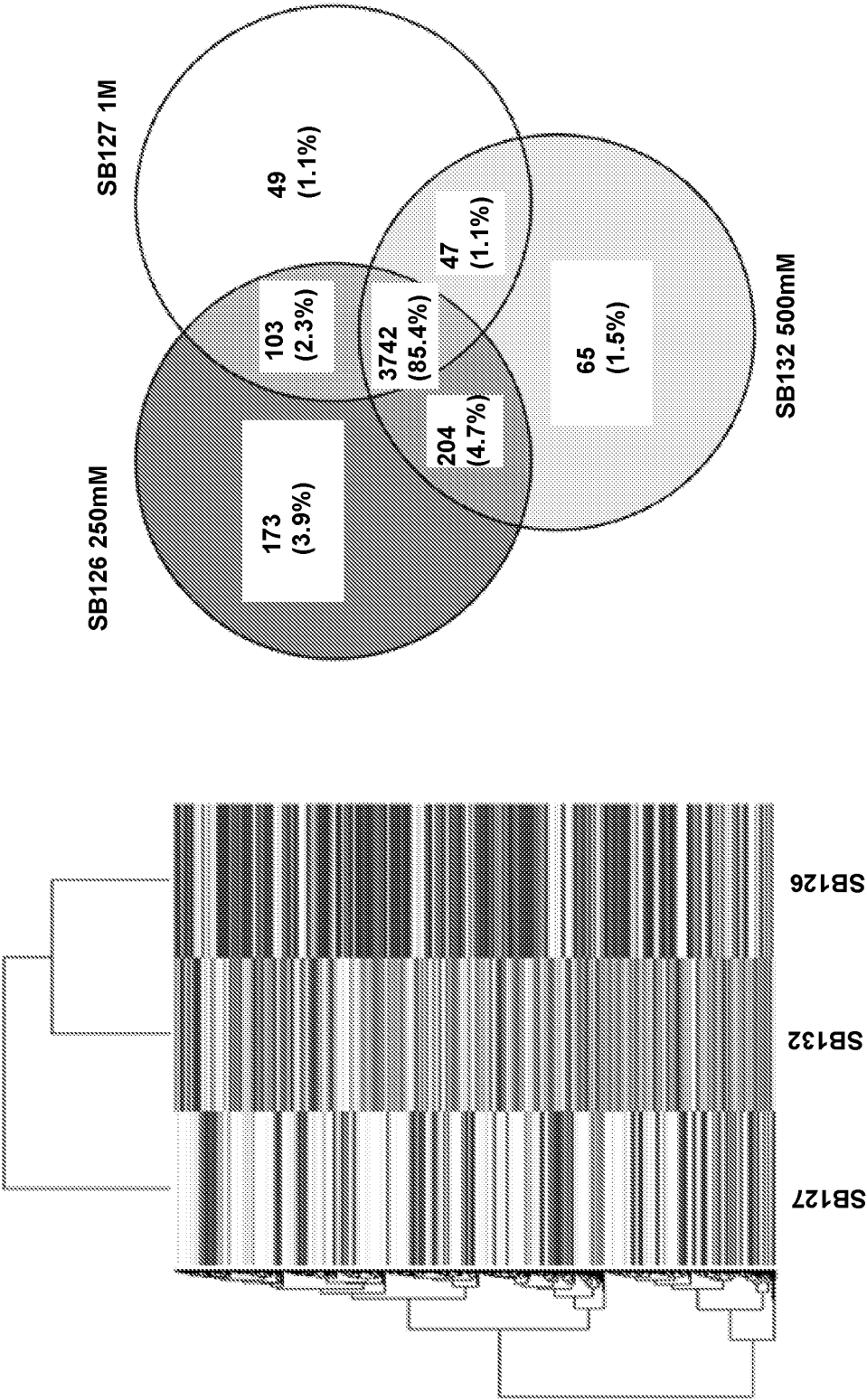


FIG. 158

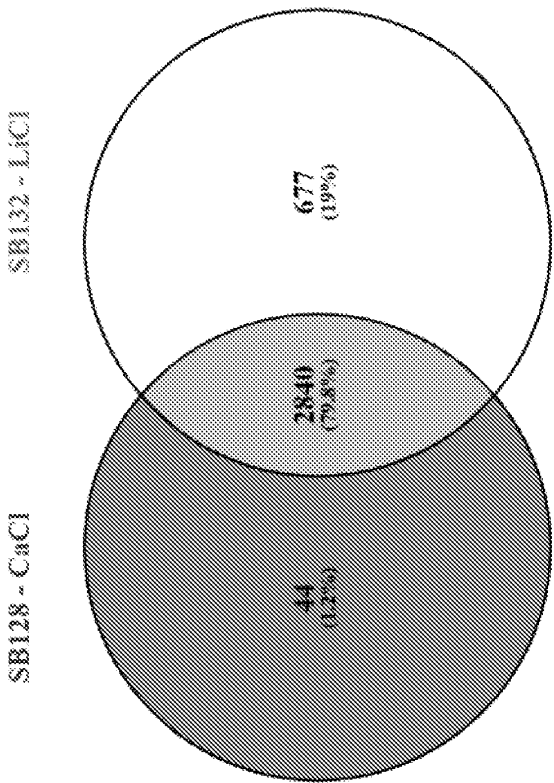


FIG. 159

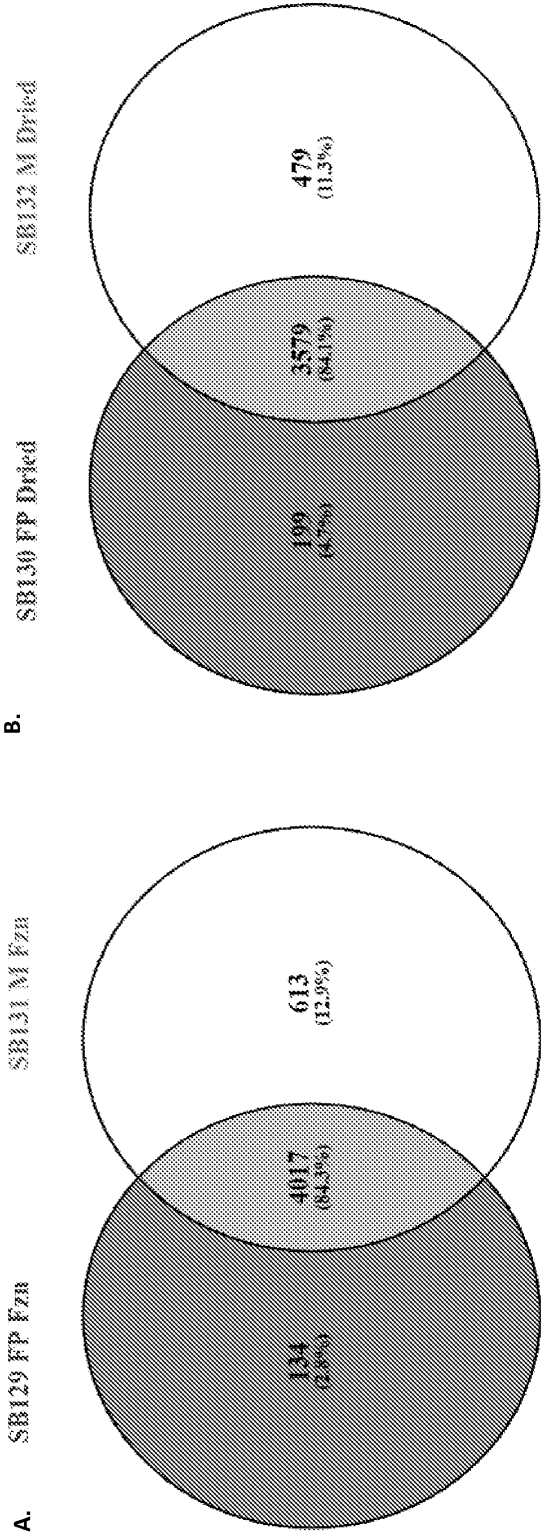


FIG. 160

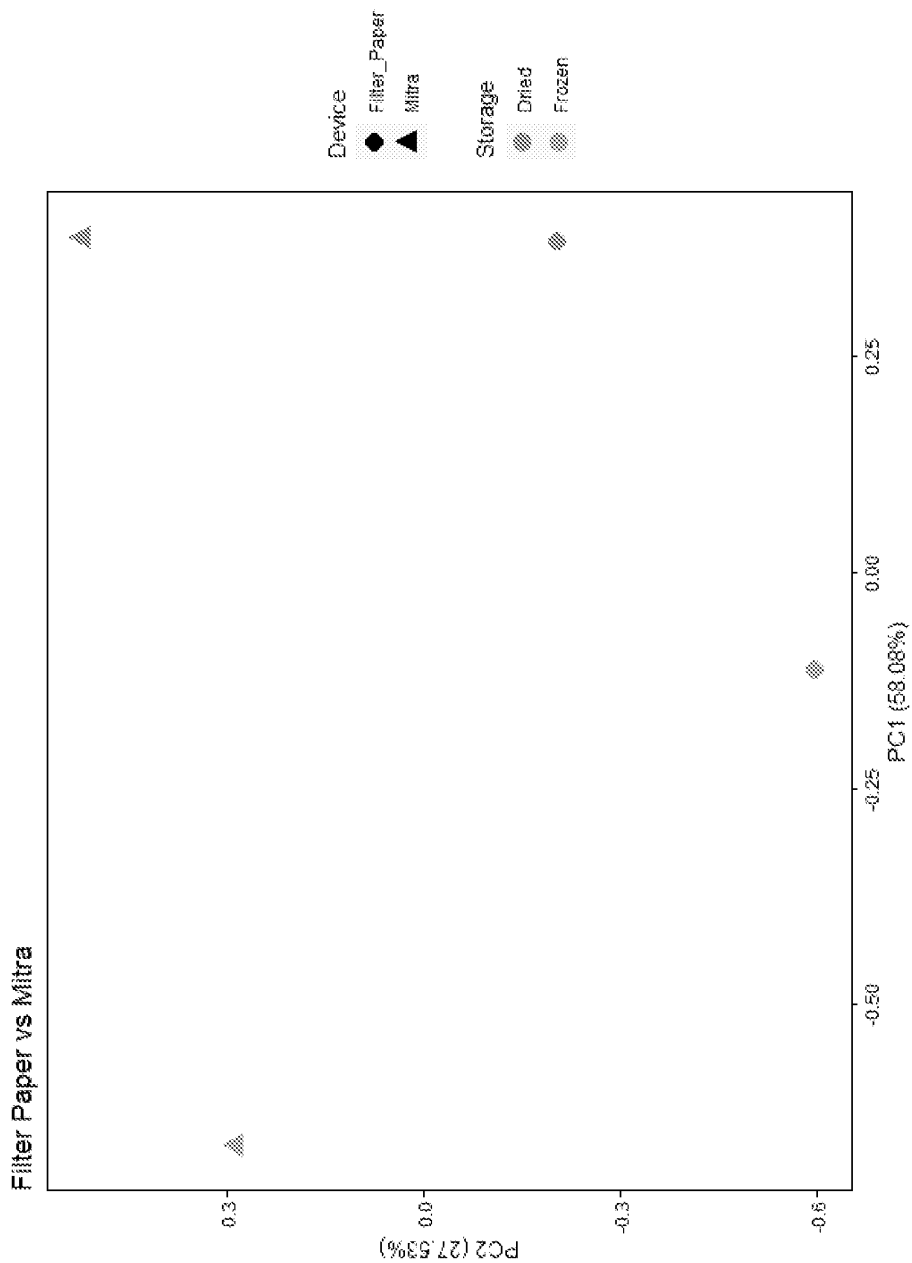


FIG. 161

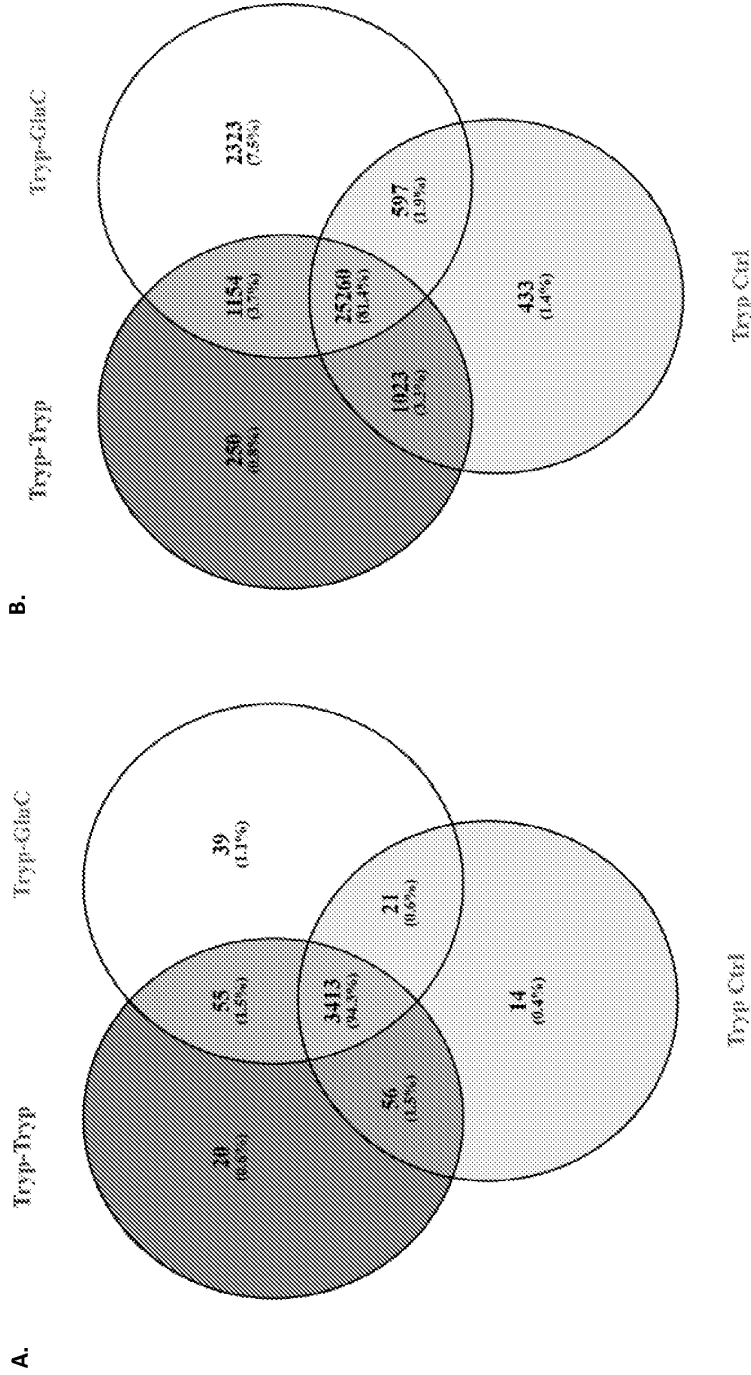


FIG. 162

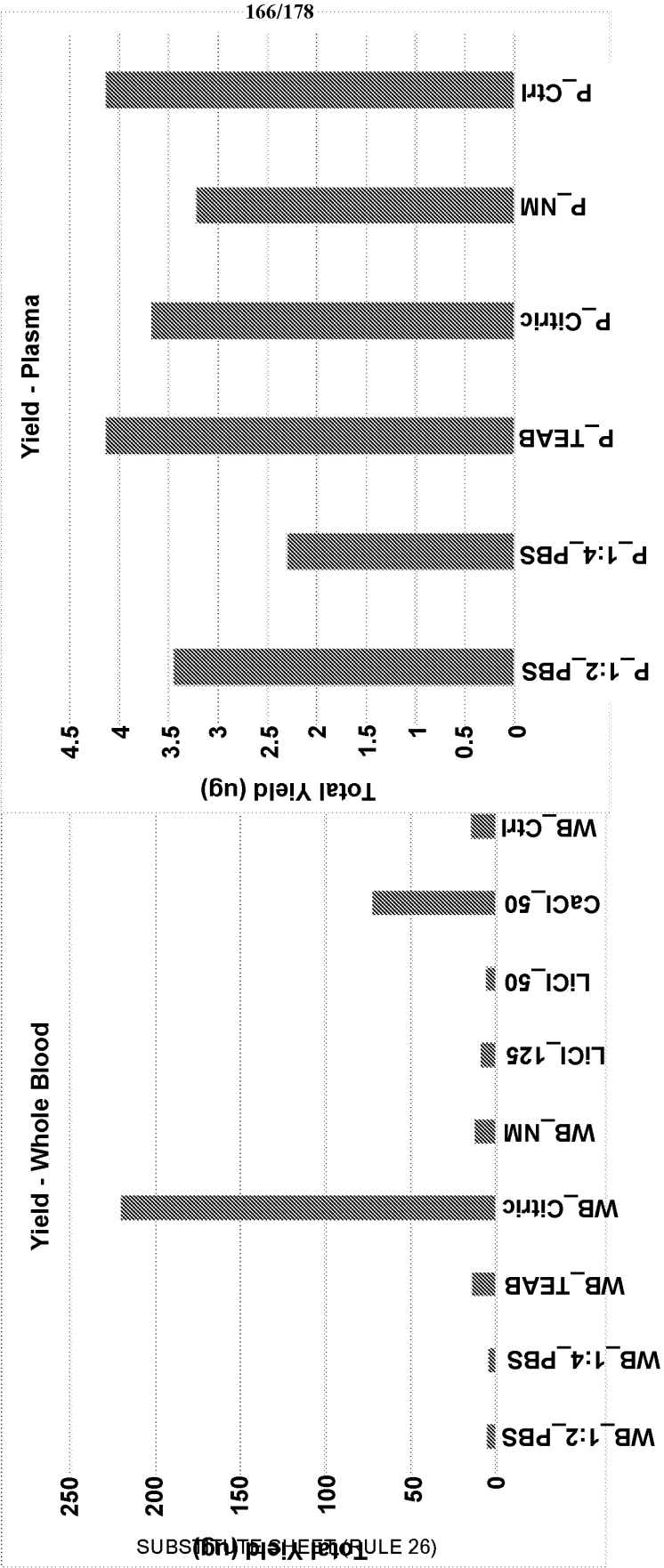


FIG. 163

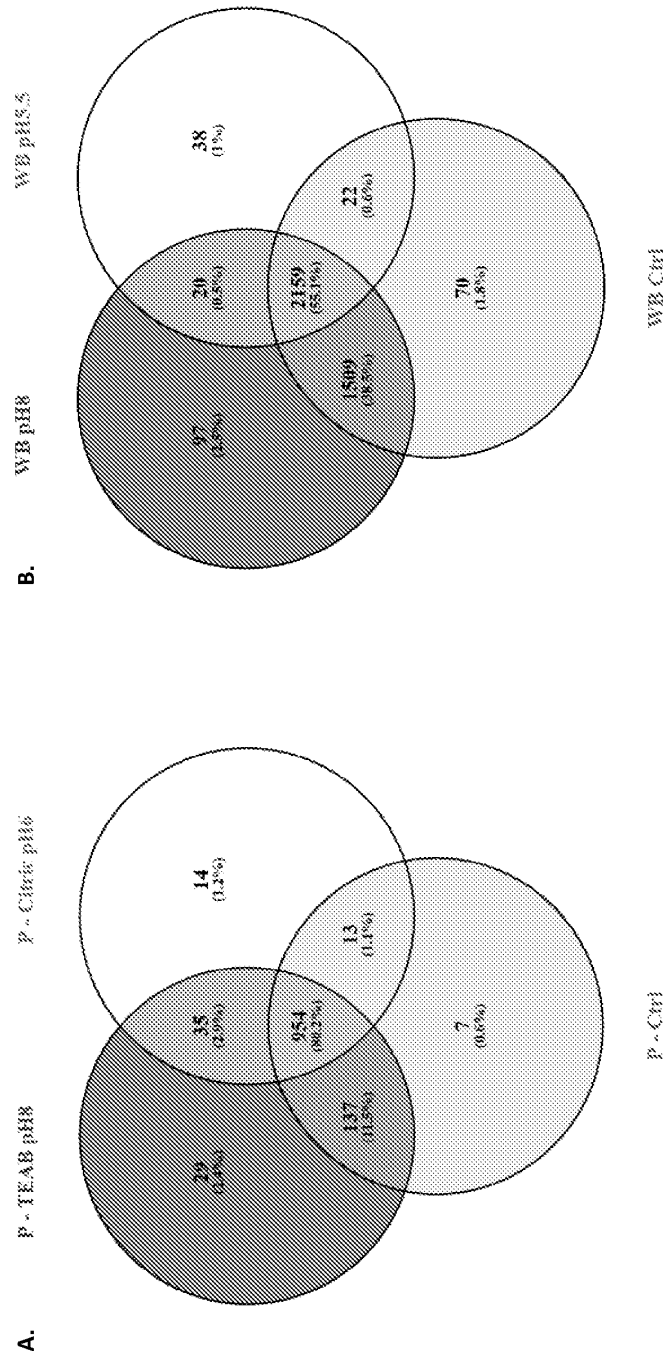


FIG. 164

- 1 No PANTHER category is assigned
- 2 RNA metabolism protein
- 3 calcium-binding protein
- 4 cell adhesion molecule
- 5 chaperone
- 6 chromatin/chromatin-binding, or -regulatory protein
- 7 cytoskeletal protein
- 8 defense/immunity protein
- 9 extracellular matrix protein
- 10 gene-specific transcriptional regulator
- 11 intercellular signal molecule
- 12 membrane traffic protein
- 13 metabolite interconversion enzyme
- 14 protein modifying enzyme
- 15 protein-binding activity modulator
- 16 scaffold/adaptor protein
- 17 transfer/carrier protein
- 18 translational protein
- 19 transmembrane signal receptor
- 20 transporter

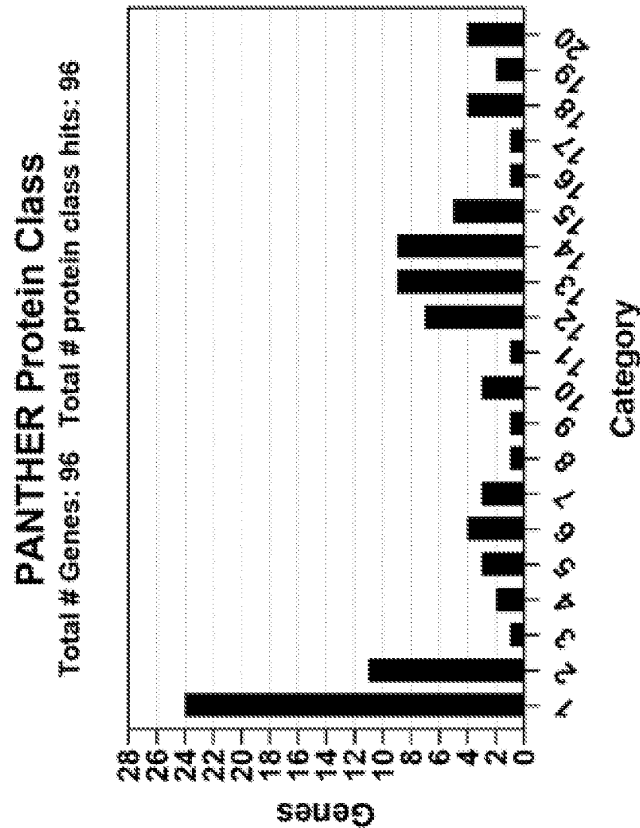


FIG. 165

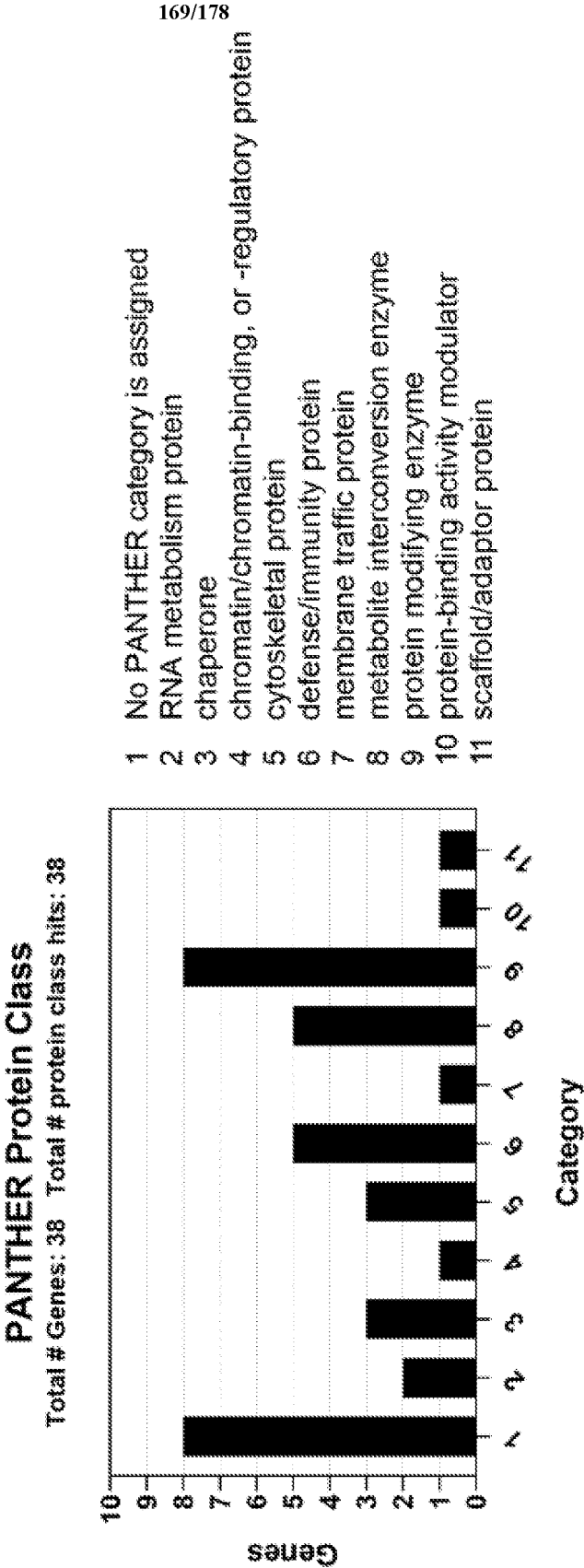


FIG. 165, Continued

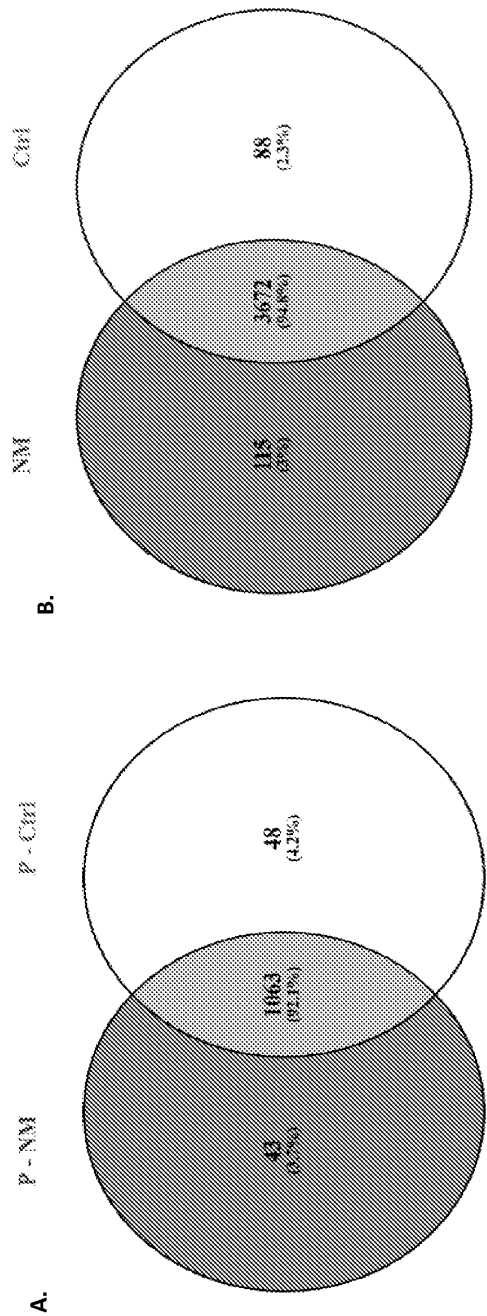


FIG. 166

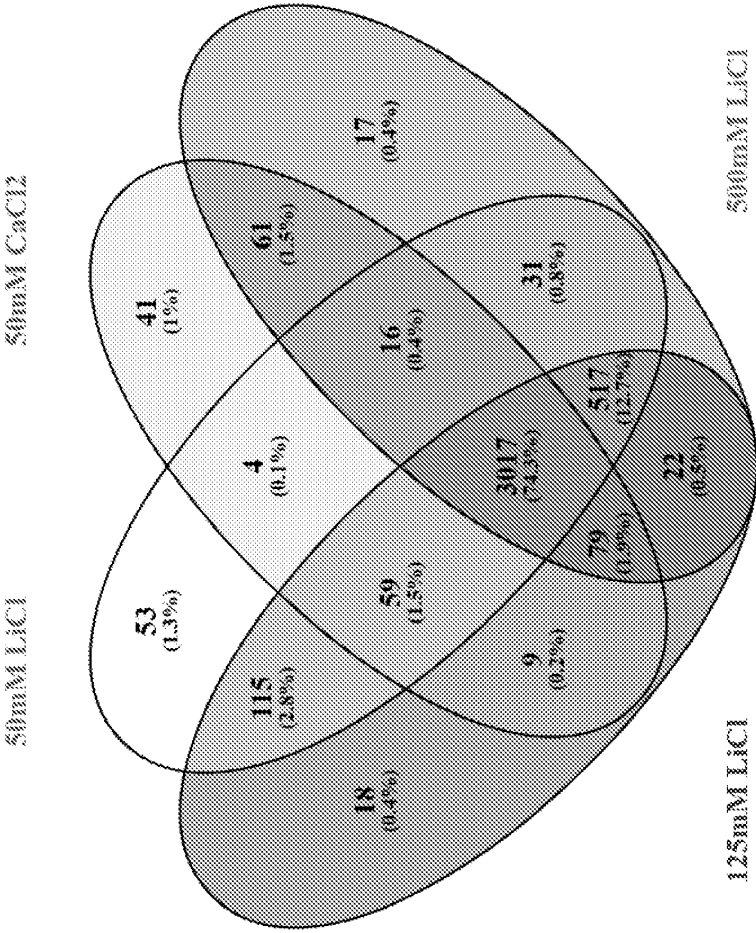


FIG. 167

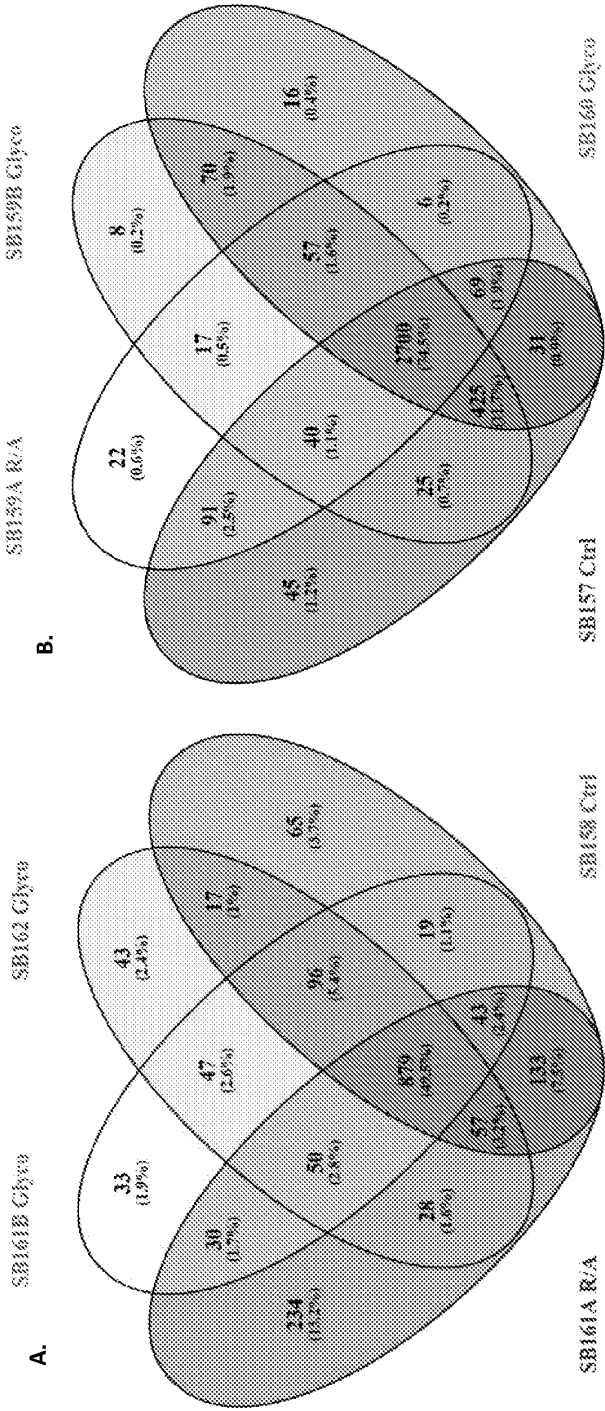


FIG. 168

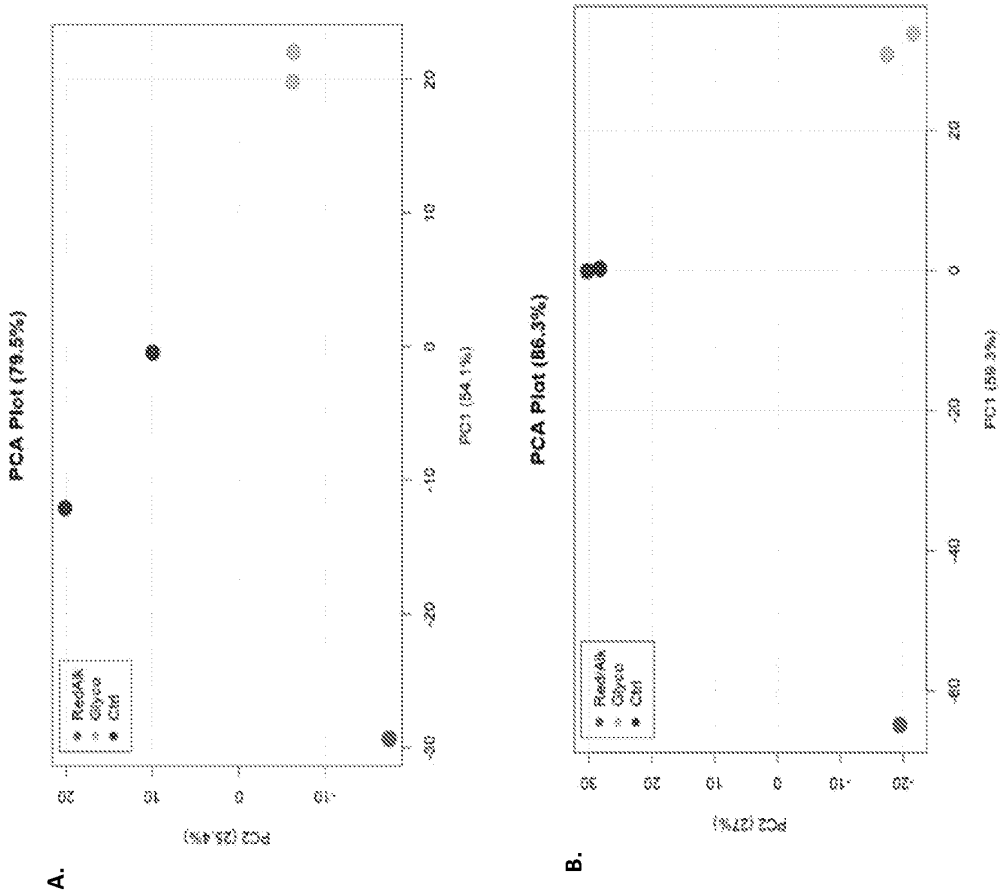


FIG. 169

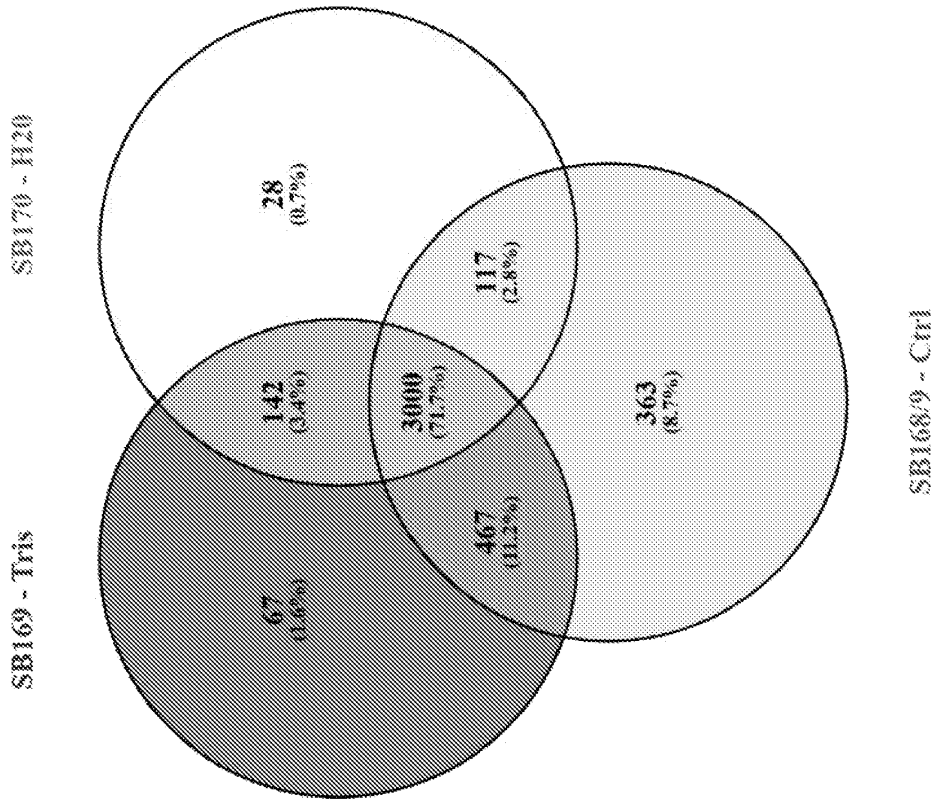


FIG. 170

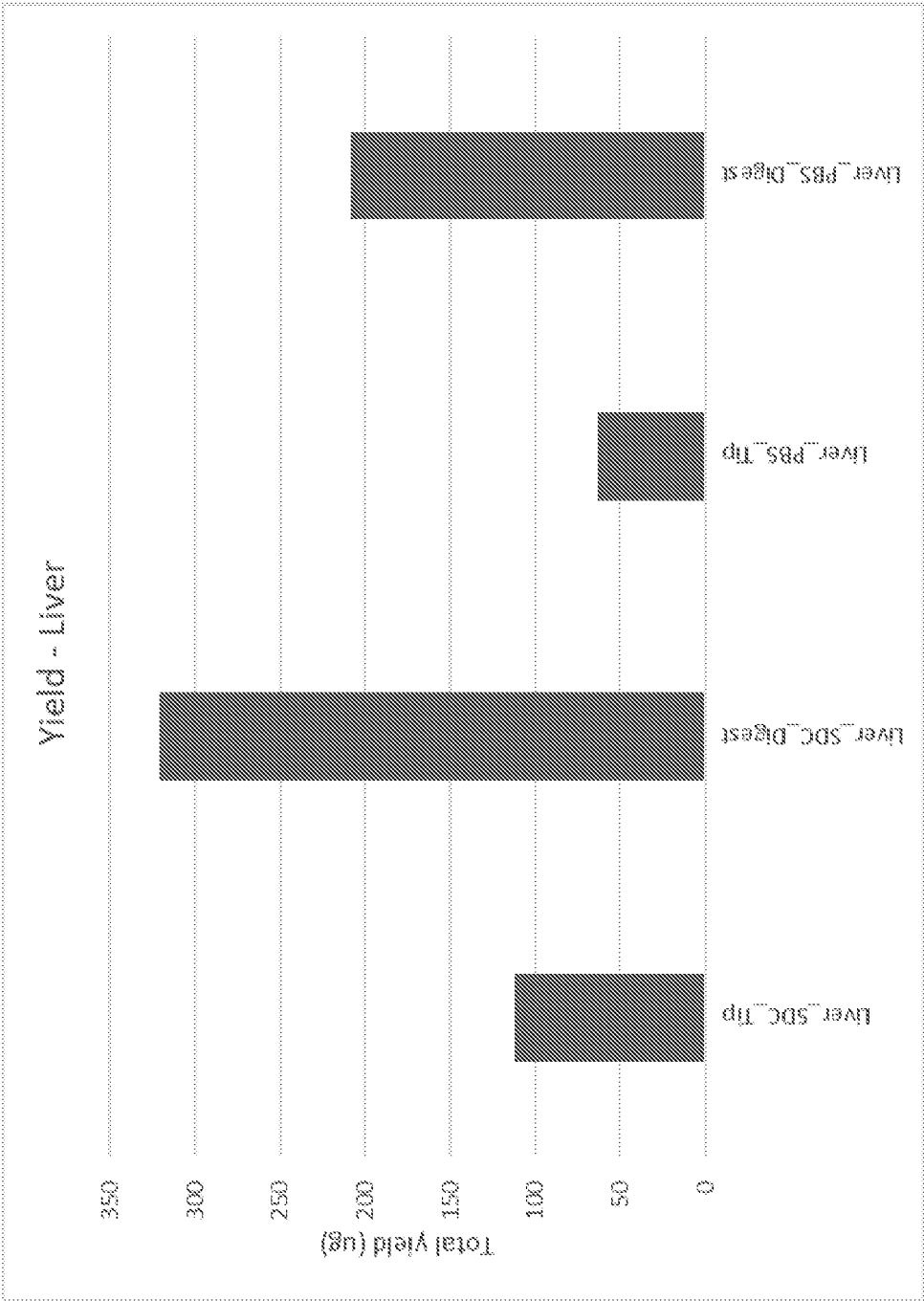


FIG. 171

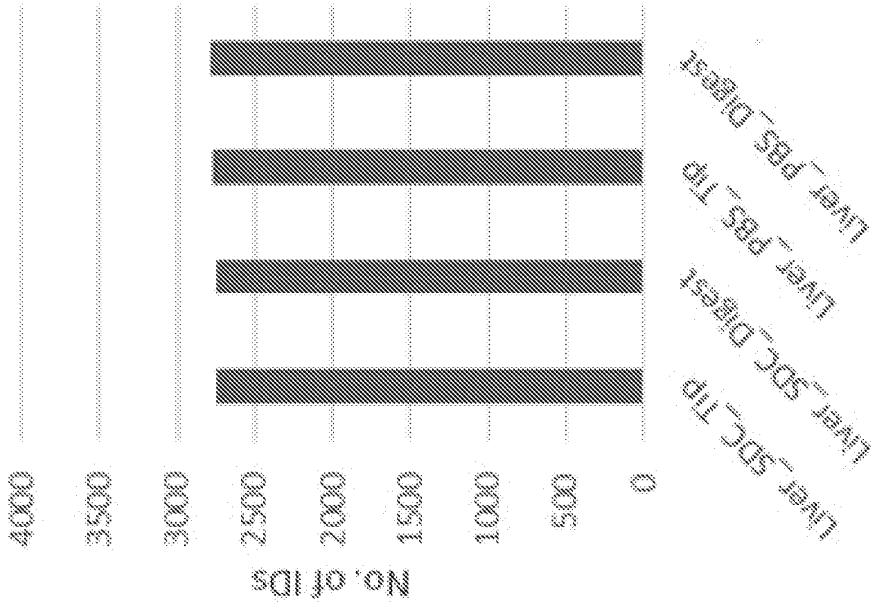


FIG. 172

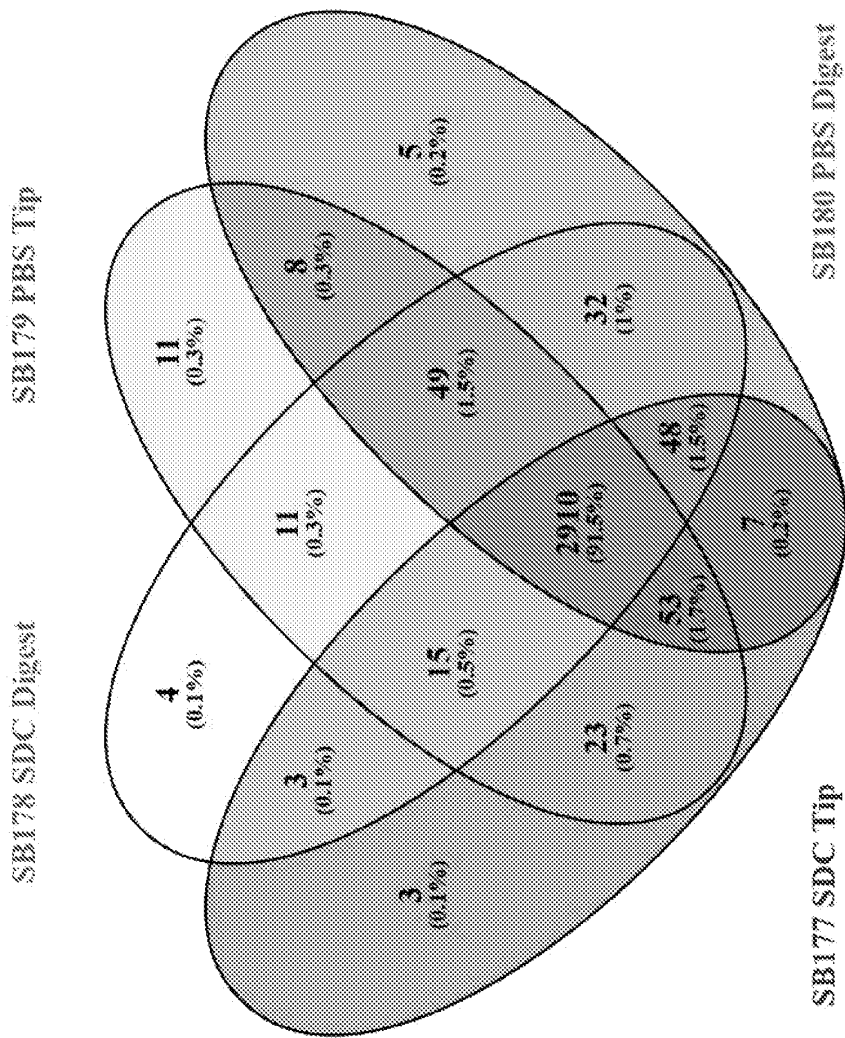


FIG. 173

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Advanced sample preparation workflow – including glycan analysis

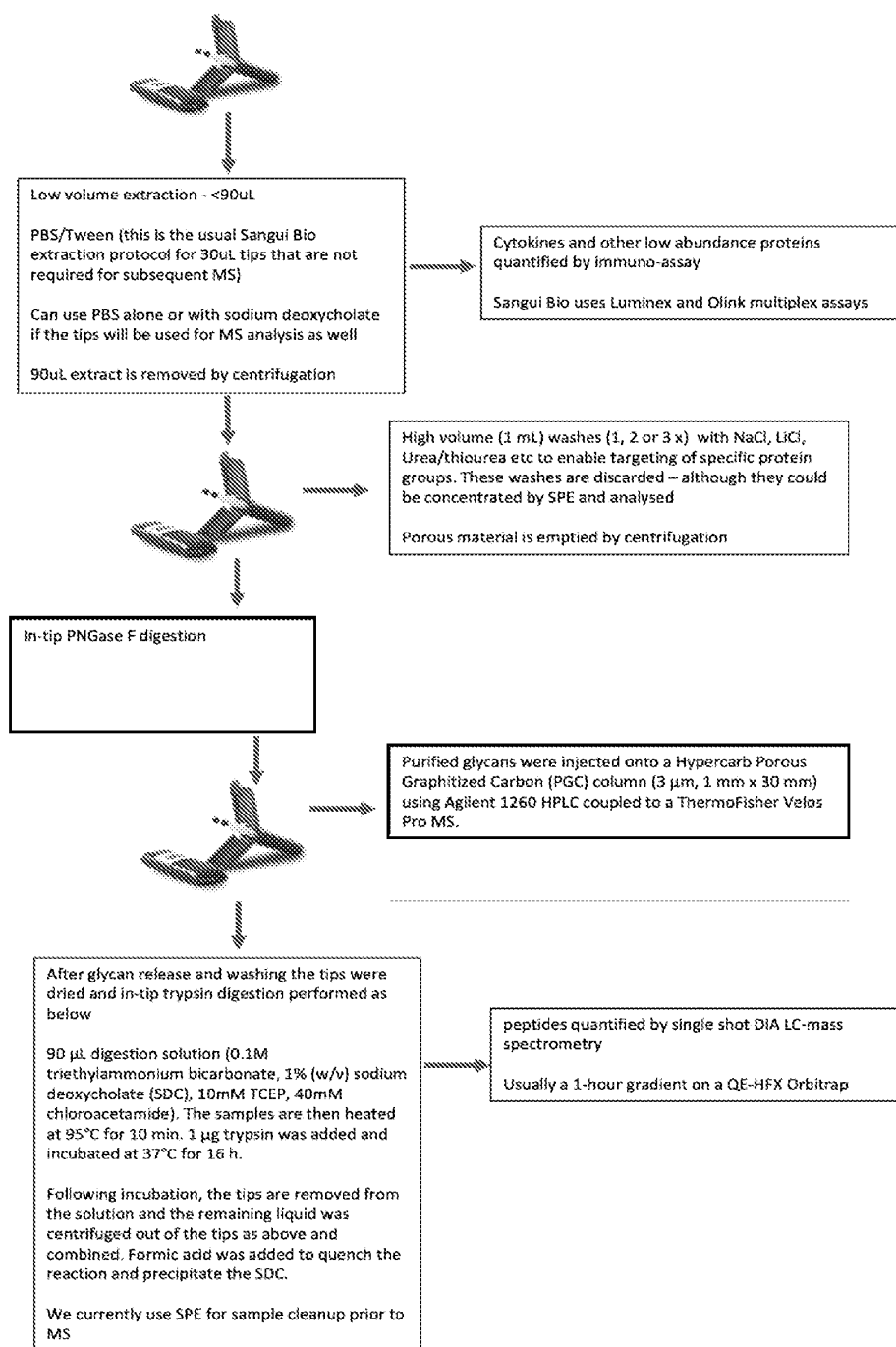


FIG. 174