

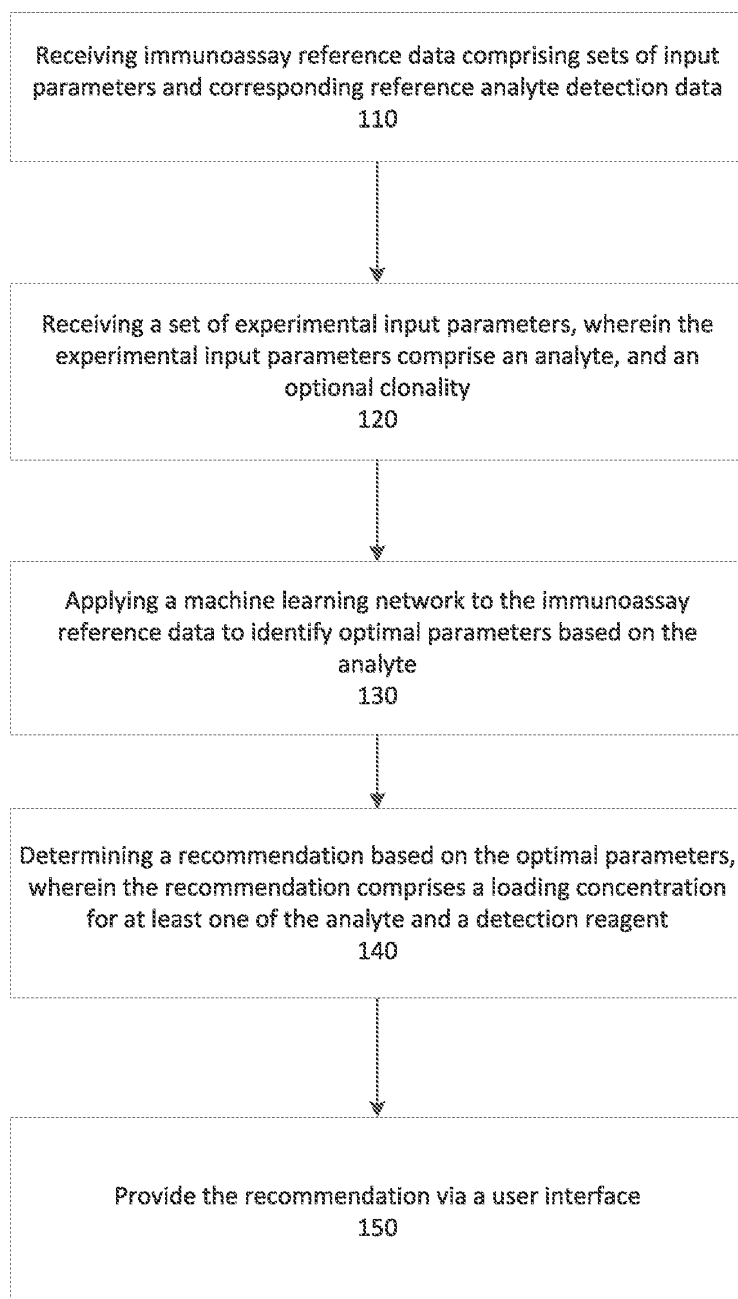


FIGURE 1

2/32

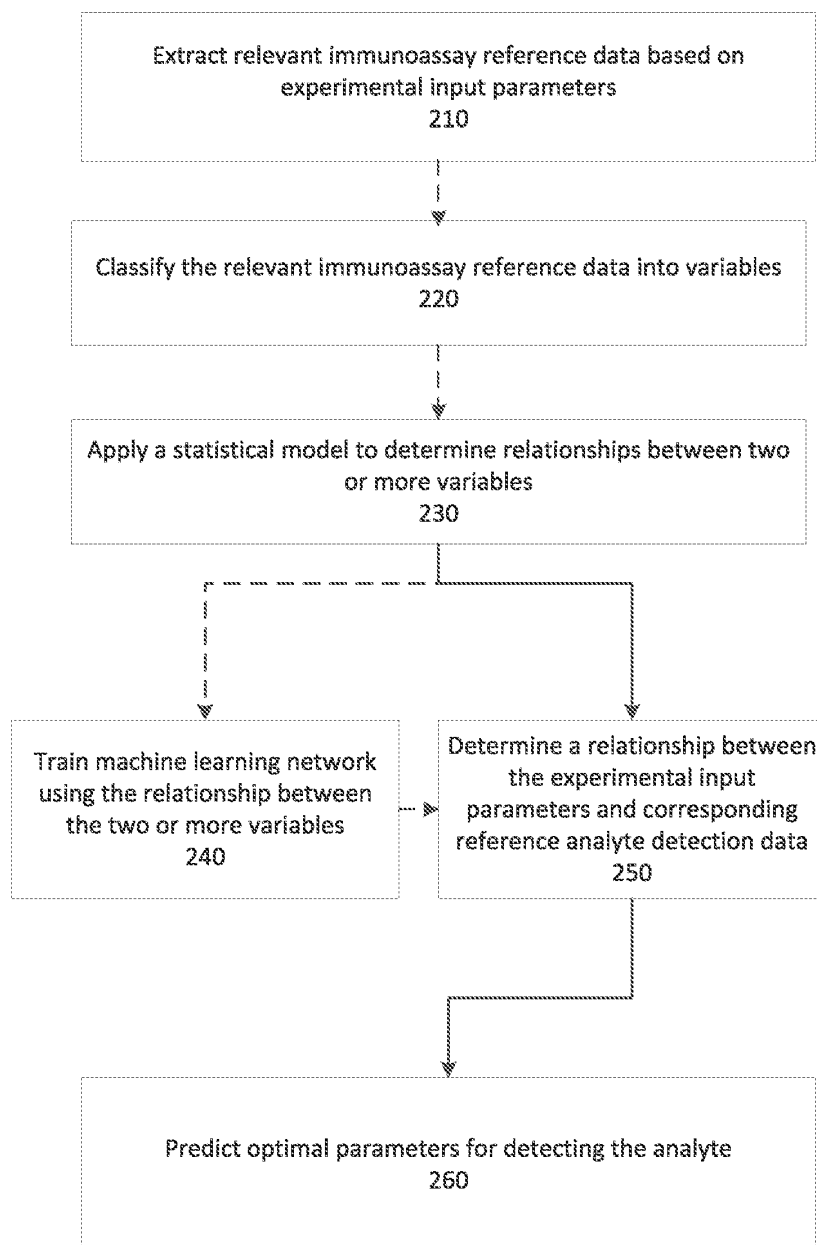


FIGURE 2

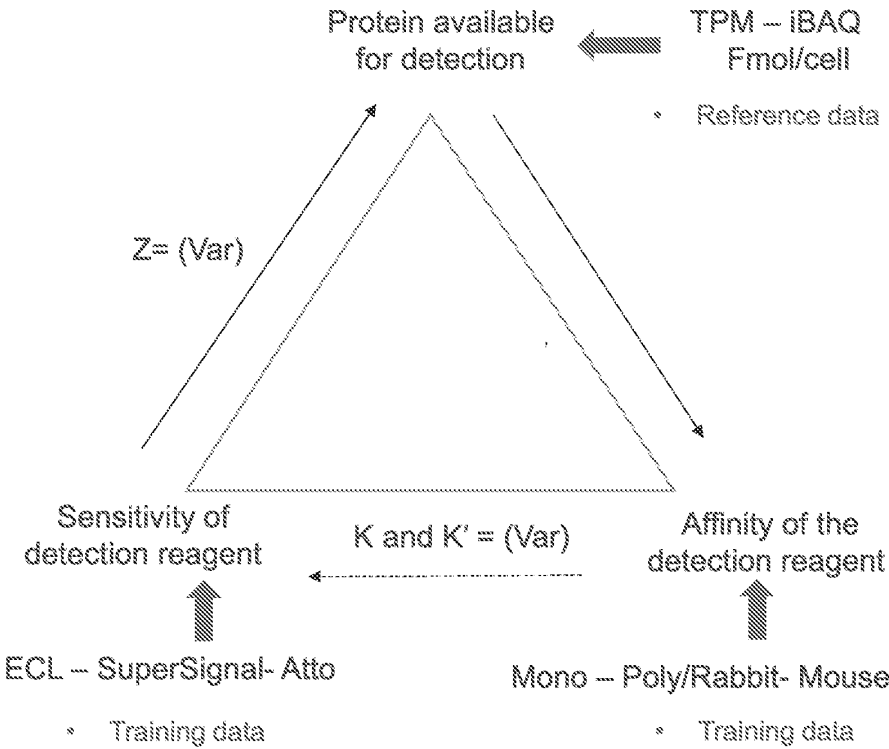


FIGURE 3

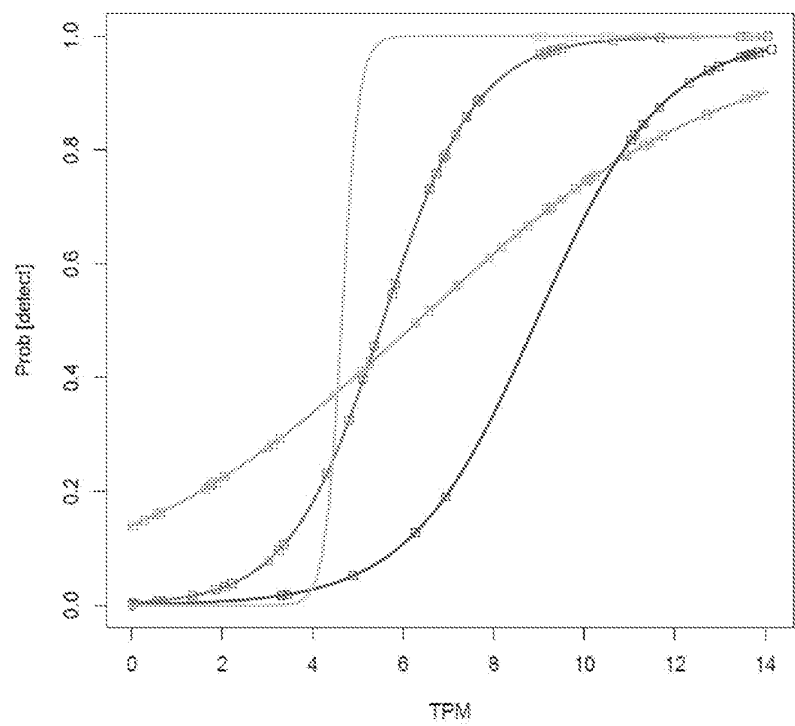


FIGURE 4

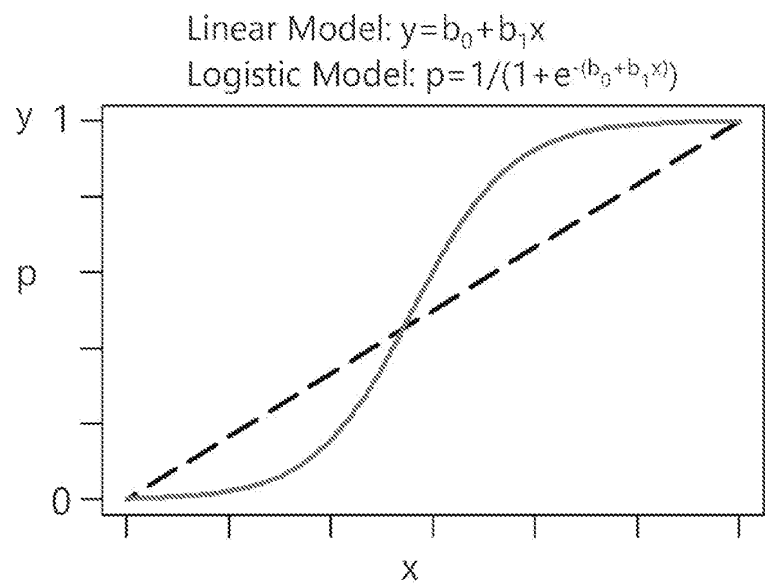


FIGURE 5

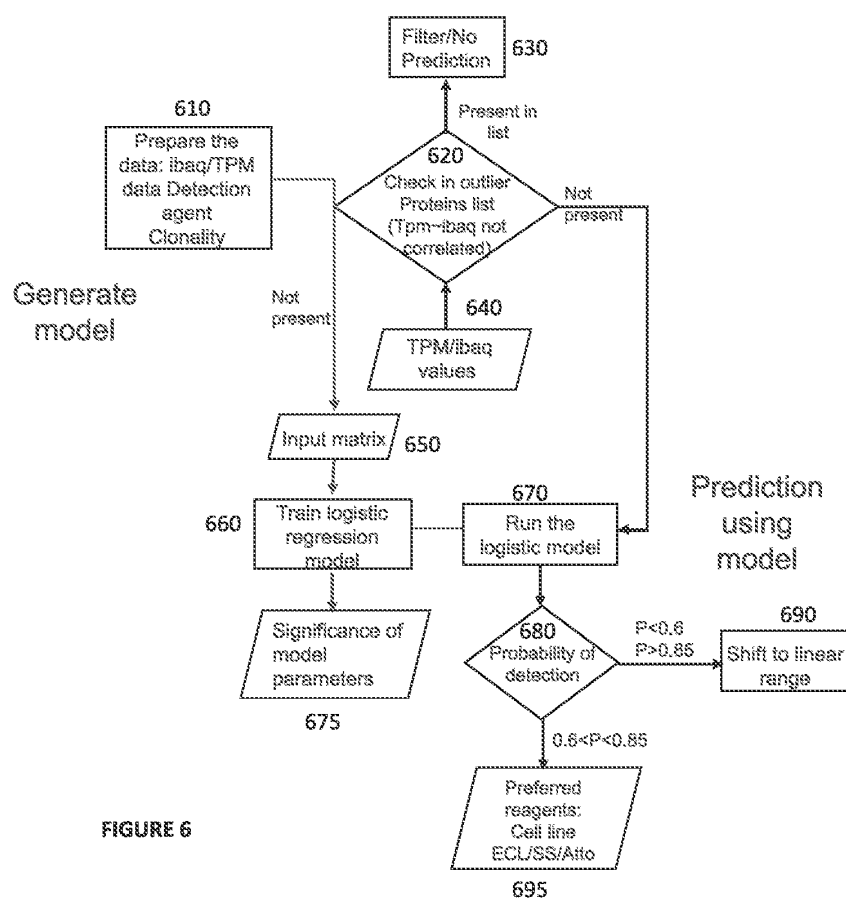


FIGURE 6

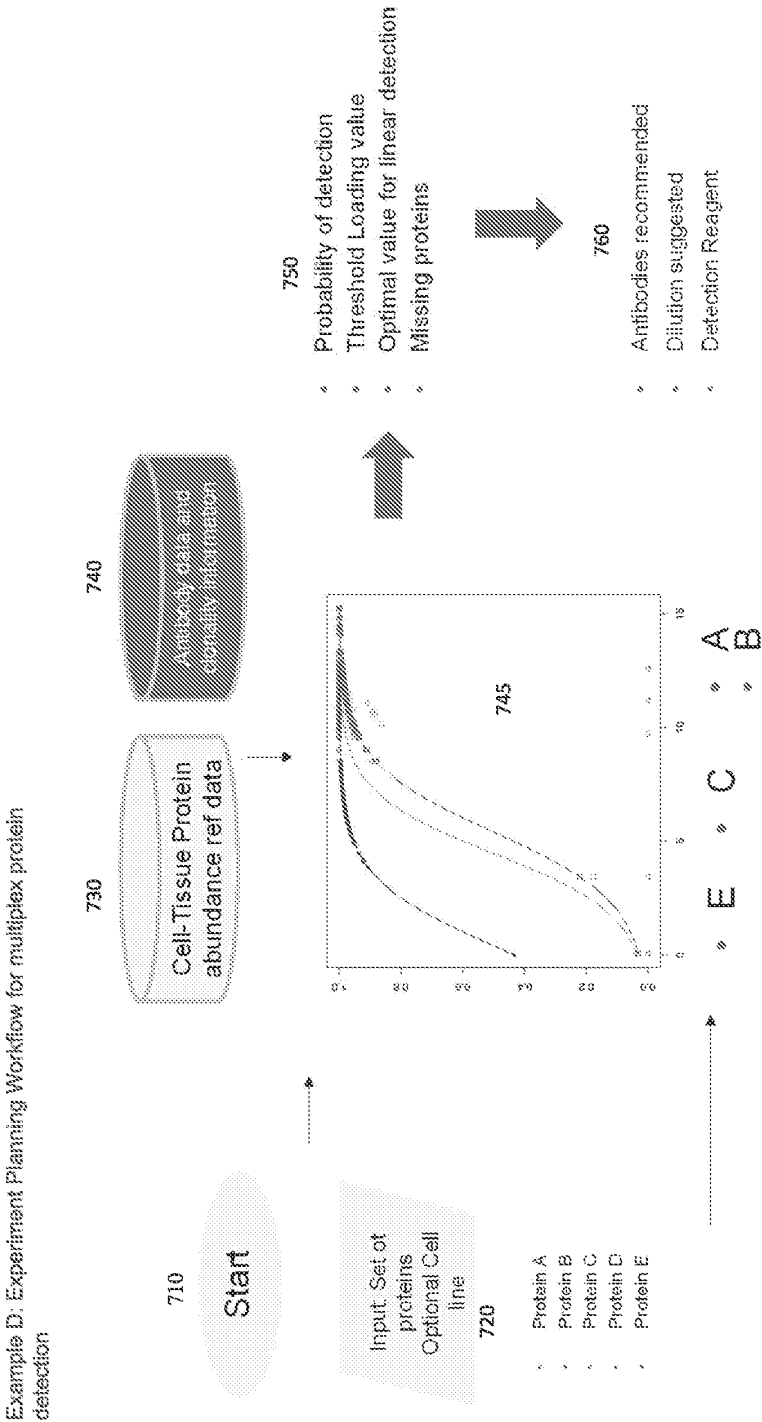


FIGURE 7

A screenshot of a web application titled "ReagentX" in the top left corner. The main heading is "Please Select the Details to Evaluate". Below this, there are two dropdown menus. The first is labeled "Protein :" and has "Coilin" selected. The second is labeled "Clonality :" and has "Mono" selected. Below these dropdowns is a button labeled "Evaluate".

ReagentX

Please Select the Details to Evaluate

Protein :

Clonality :

FIGURE 8

ReagentX

DataSet for the Protein: HNRNP A1

Cell Line	TPM	ECL	SuperSignal
A549	8.121	0.656	0.343
Hela	8.362	0.661	0.339
HepG2	7.857	0.652	0.347
MCF7	8.522	0.663	0.336

Retry

FIGURE 9

Example1 : Increase
in protein loading
(Antigen addition)
leads to detection:
Product ITK 14-9752-
82

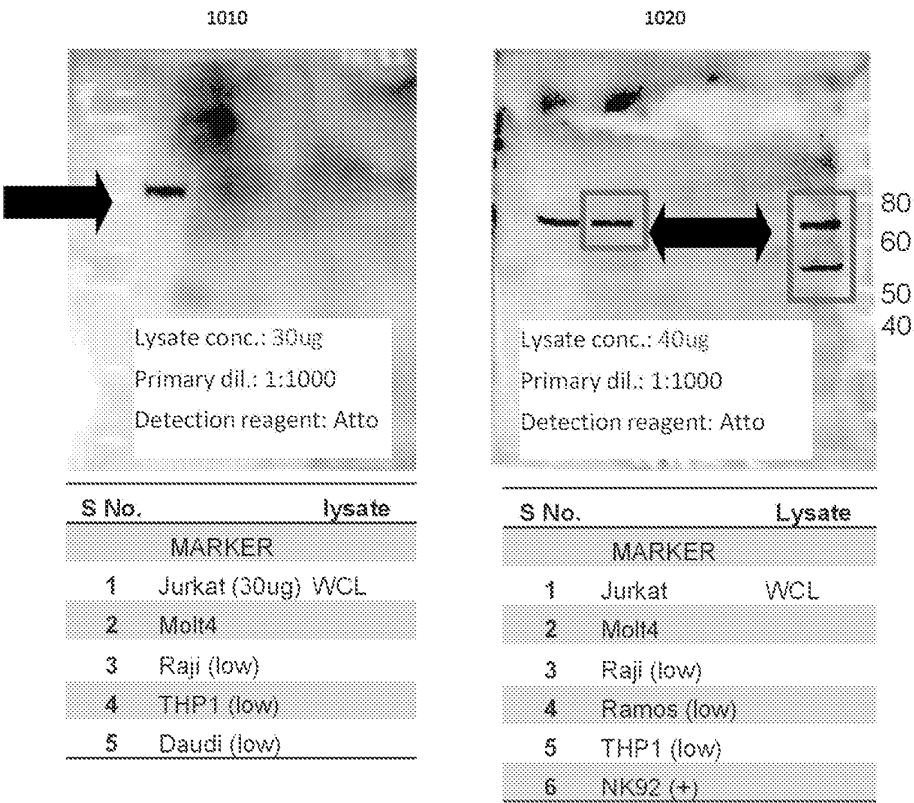


FIGURE 10

Example2 : Optimal signal to noise in an immunoblot

- Unacceptable data to publication ready data:
- Improved assay performance by optimizing the protein:antibody ratios

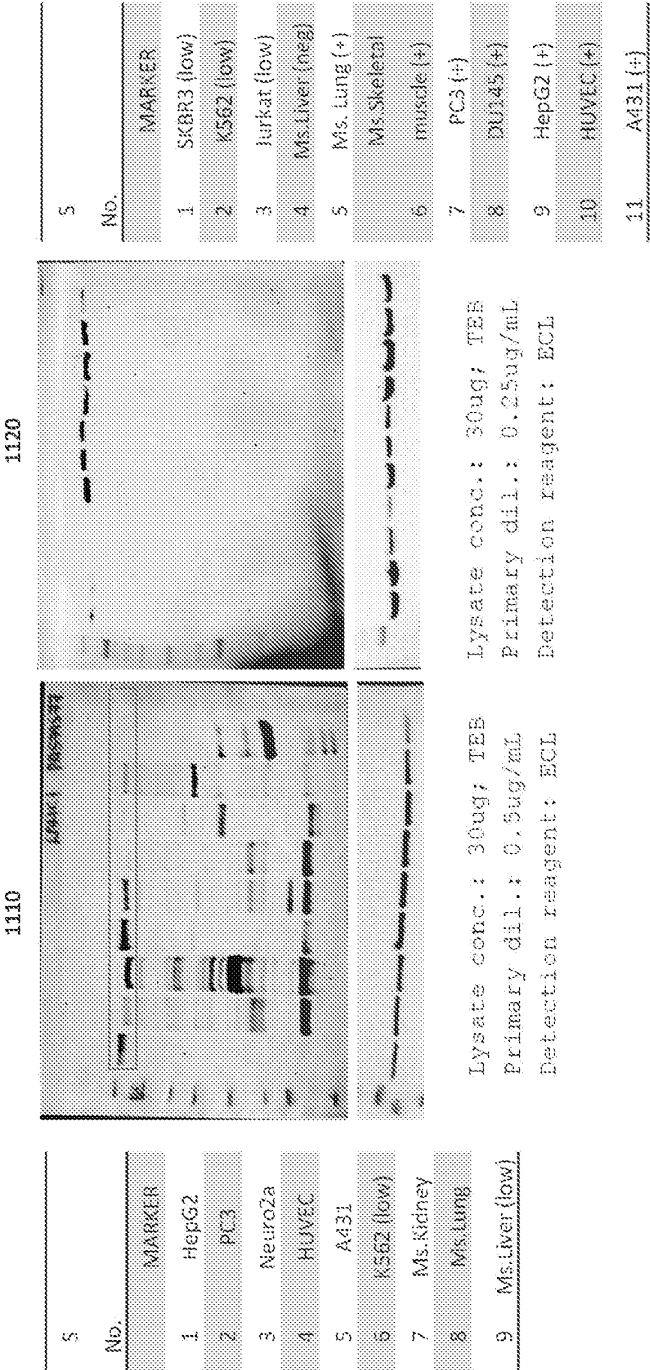


FIGURE 11

Example 3 : Multiple antibodies to a target with different sensitivities

Target: CD56

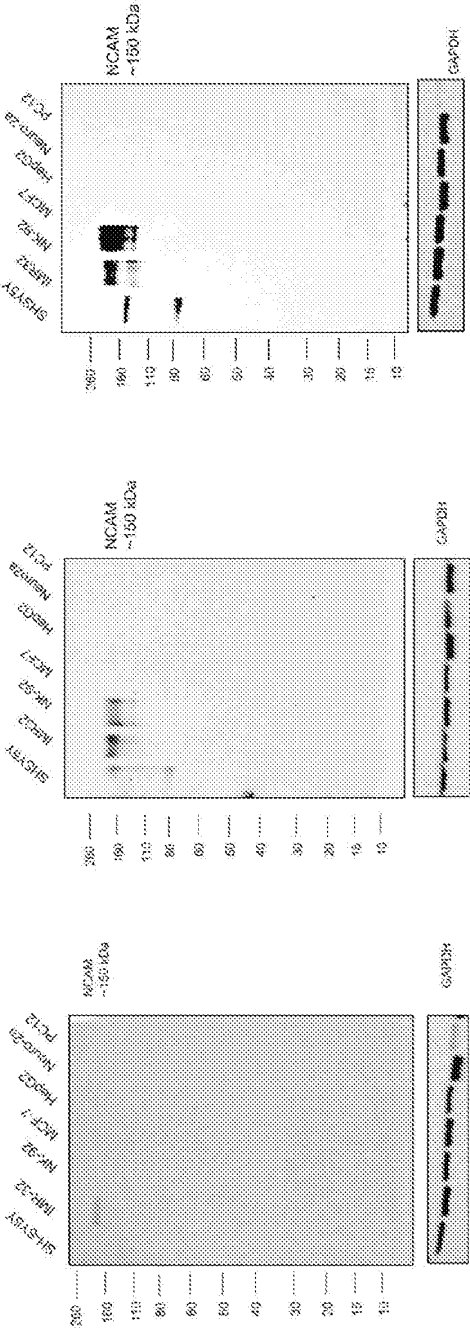


FIGURE 12

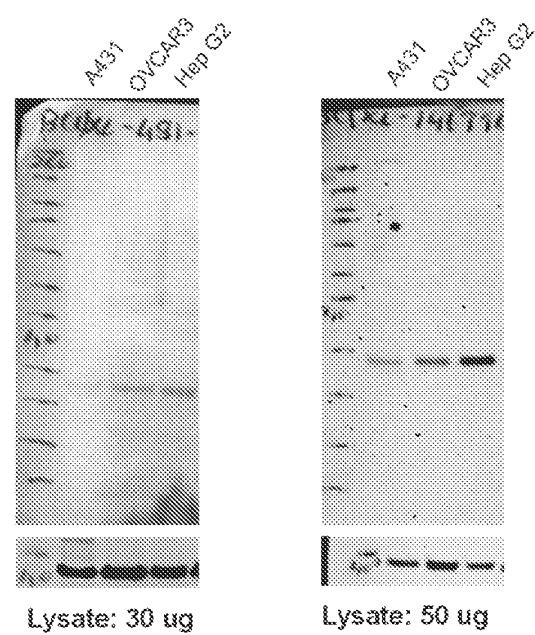


FIGURE 13

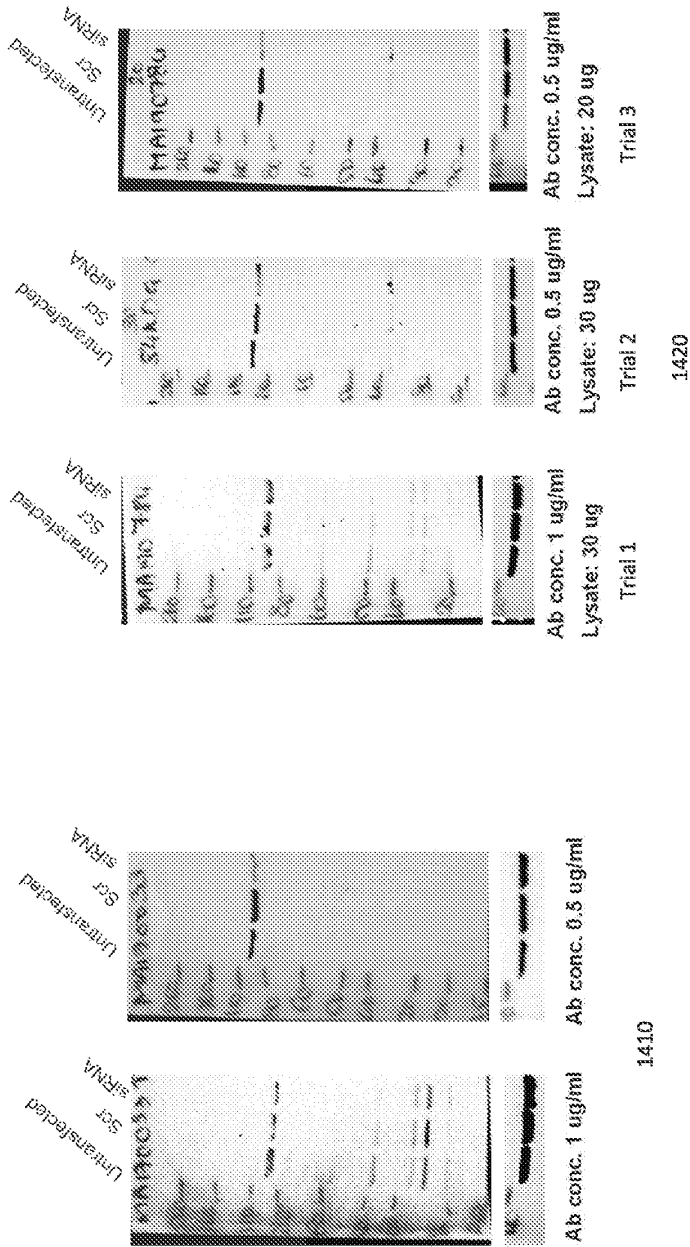
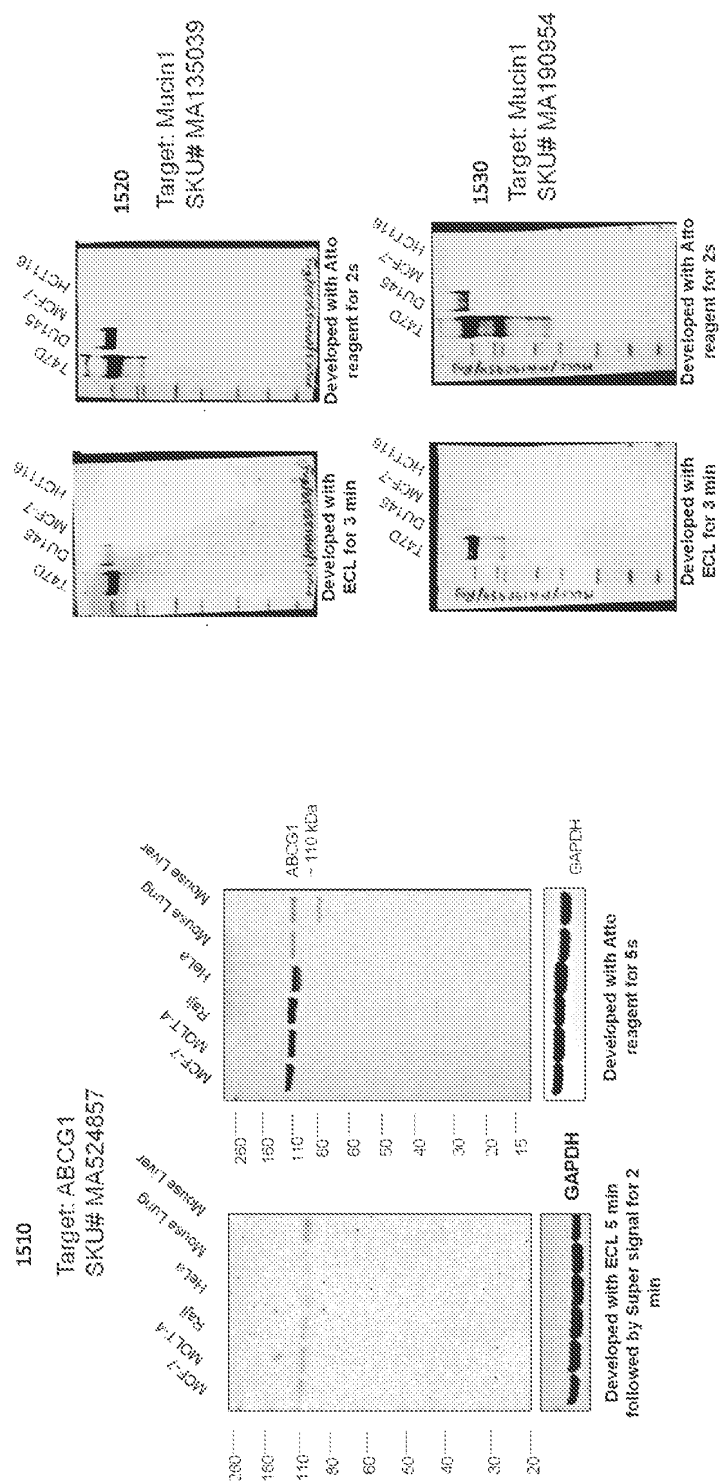


FIGURE 14



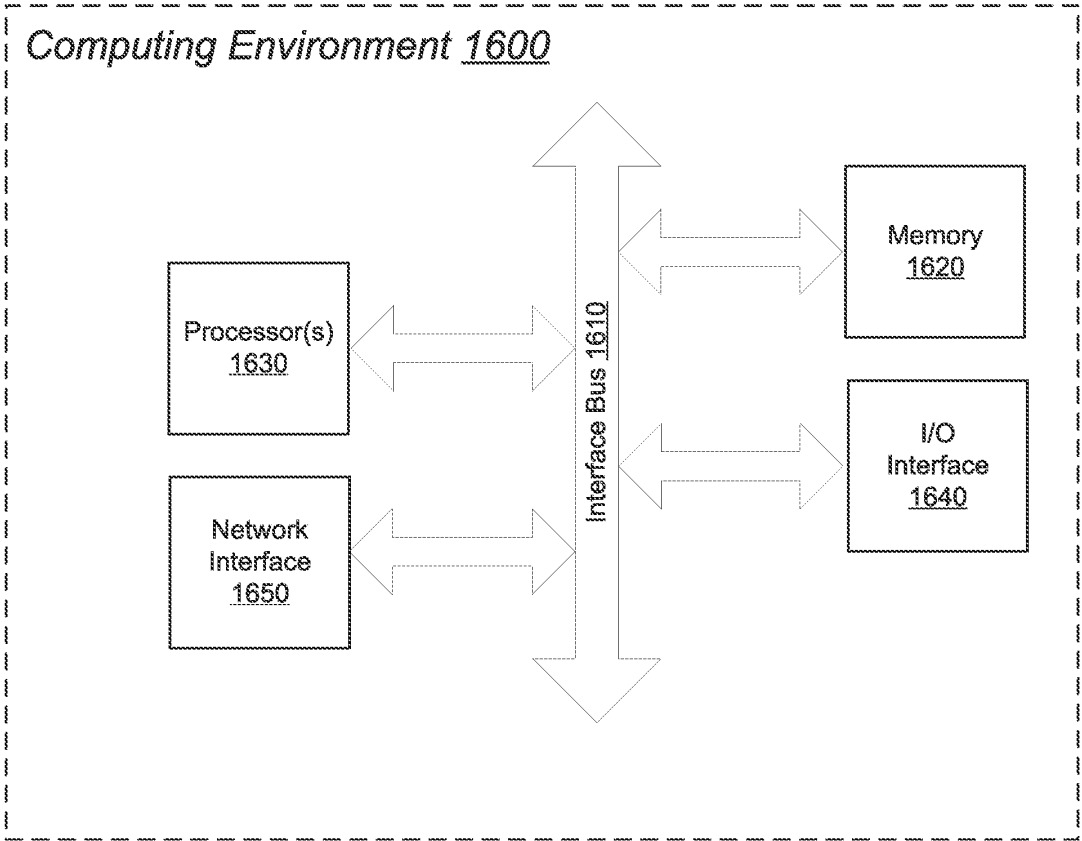


FIGURE 16

1700

FIG. 17

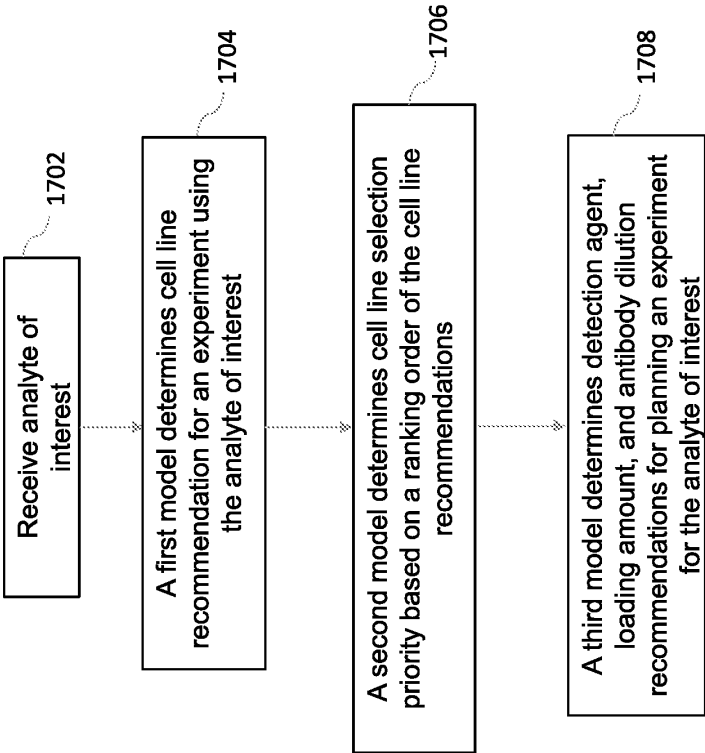


FIG. 18

1704

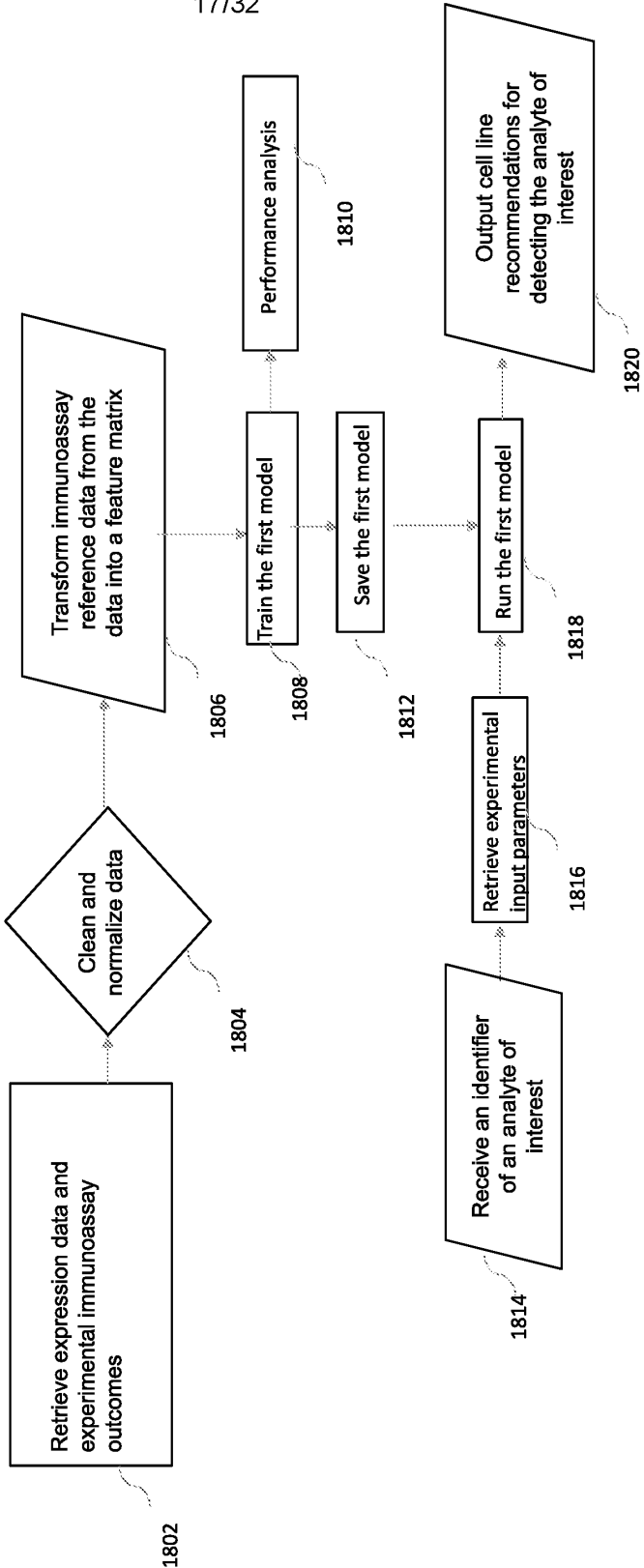
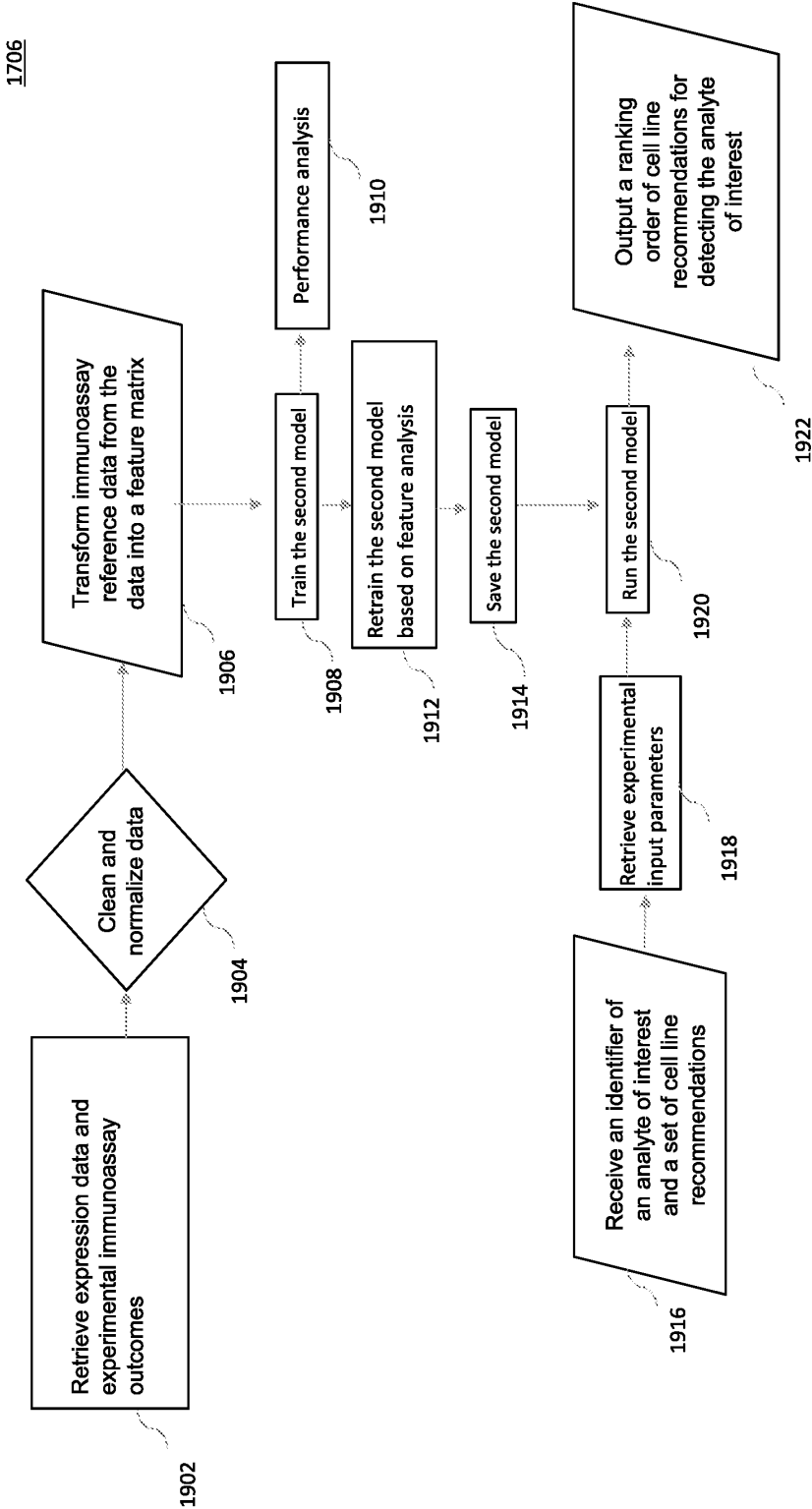


FIG. 19



1708

FIG. 20

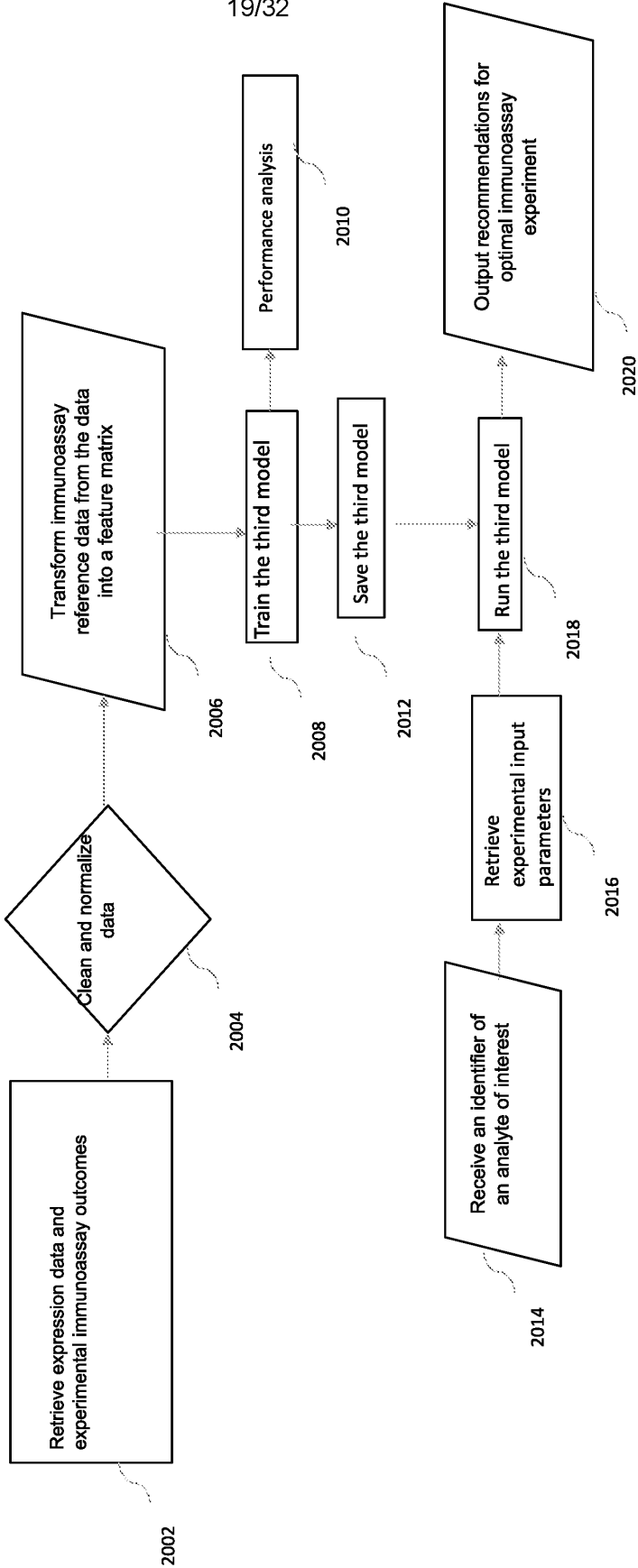


FIG. 21

[illegible]

FIG. 22

Plan new experiment (Human Protein)

Questions

✓

What is your protein of interest? *

137362 ✓

✓

Which one of the below will be used for experiment? *

☒ Cell line

☐ Protein (Currently not available)

✓

What are the cell line to be used? (Max: 10)

3027 x 3027-116 x 3027-221 x 903 x

Protein Annotation

Cell Lines

Selected Cell Lines (18) in Table

30216	30217	30218	30219	30220
30221	30222	30223	30224	30225
30226	30227	30228	30229	30230
30231	30232	30233	30234	30235
30236	30237	30238	30239	30240
30241	30242	30243	30244	30245
30246	30247	30248	30249	30250
30251	30252	30253	30254	30255
30256	30257	30258	30259	30260
30261	30262	30263	30264	30265
30266	30267	30268	30269	30270
30271	30272	30273	30274	30275
30276	30277	30278	30279	30280
30281	30282	30283	30284	30285
30286	30287	30288	30289	30290
30291	30292	30293	30294	30295
30296	30297	30298	30299	30300

Protein Annotation

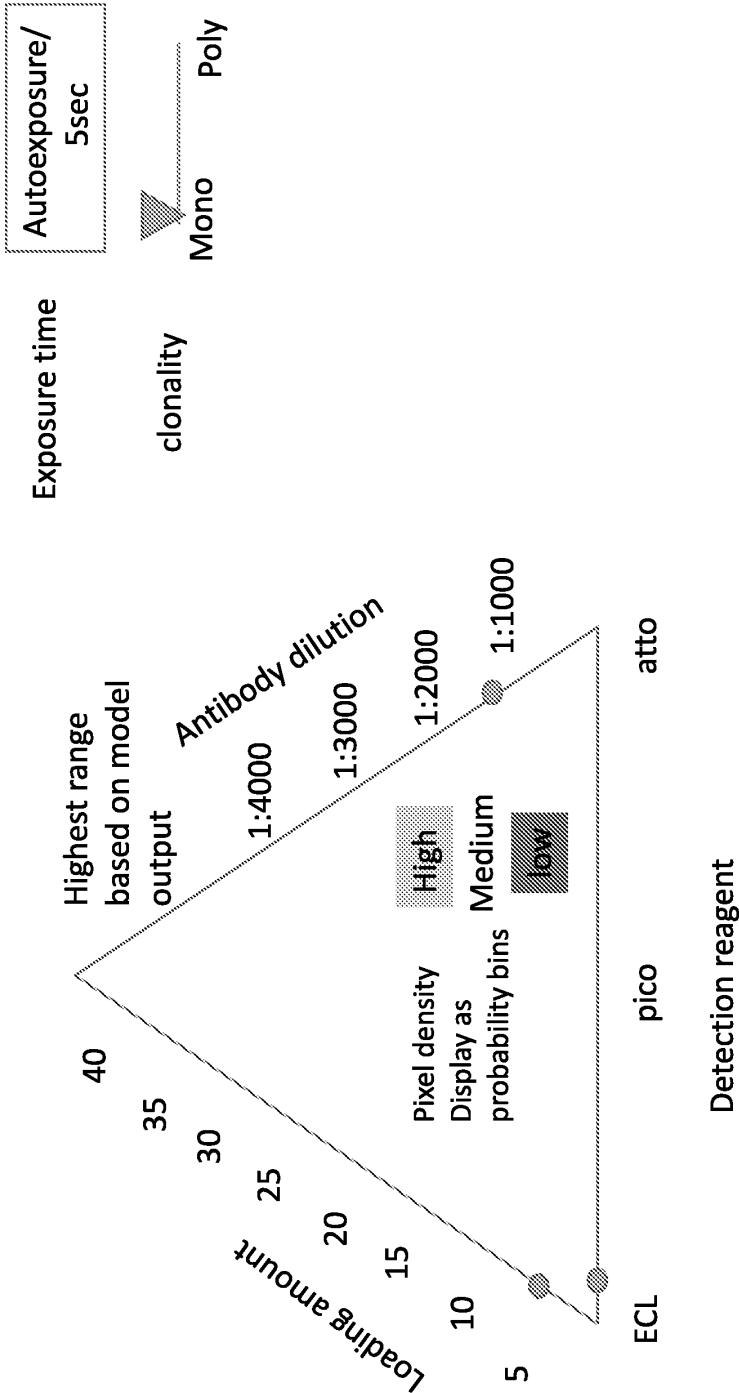
Cell Lines

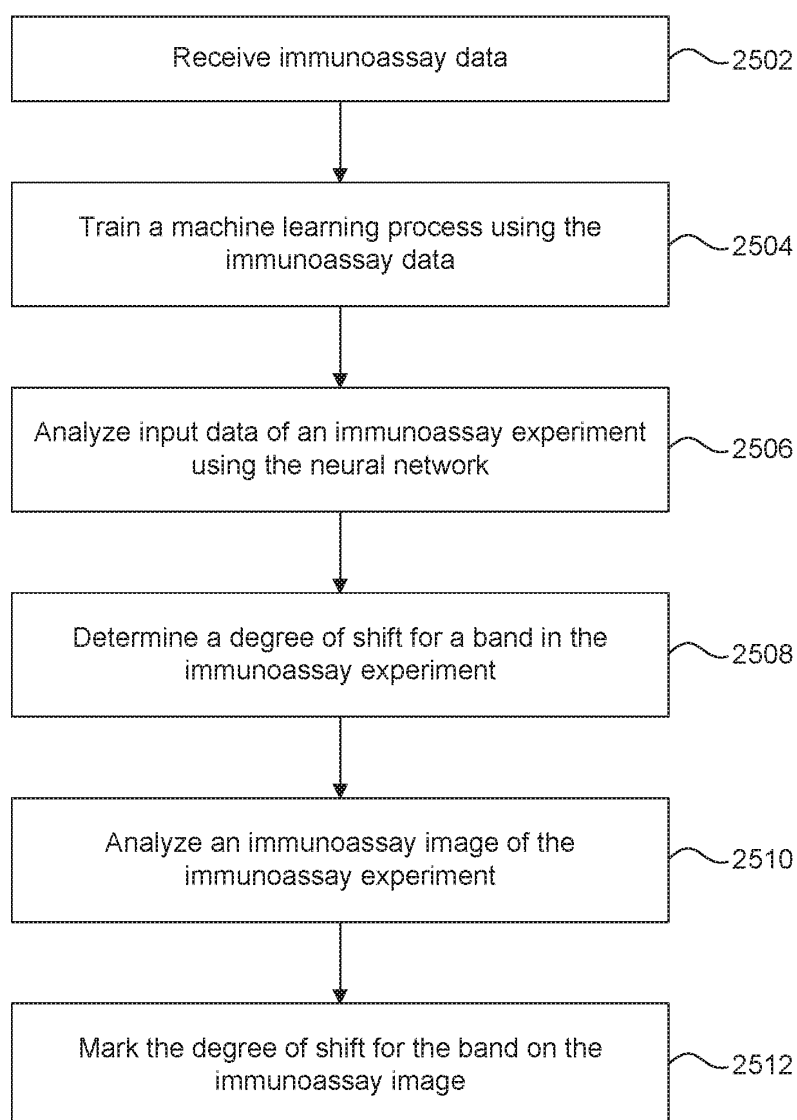
Download Report

FIG. 23

[illegible]

FIG. 24



2500**FIG. 25**

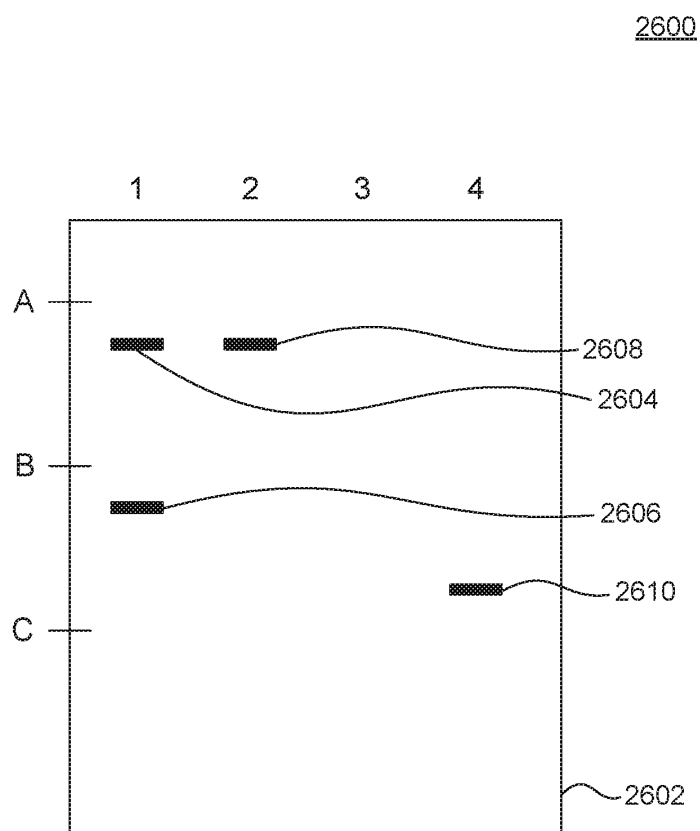
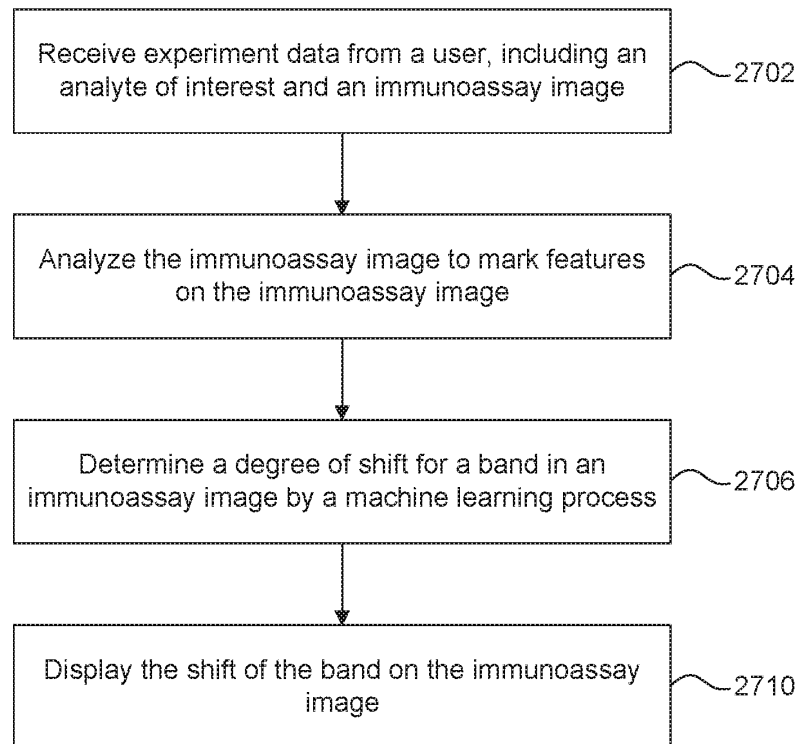


FIG. 26

2700**FIG. 27**

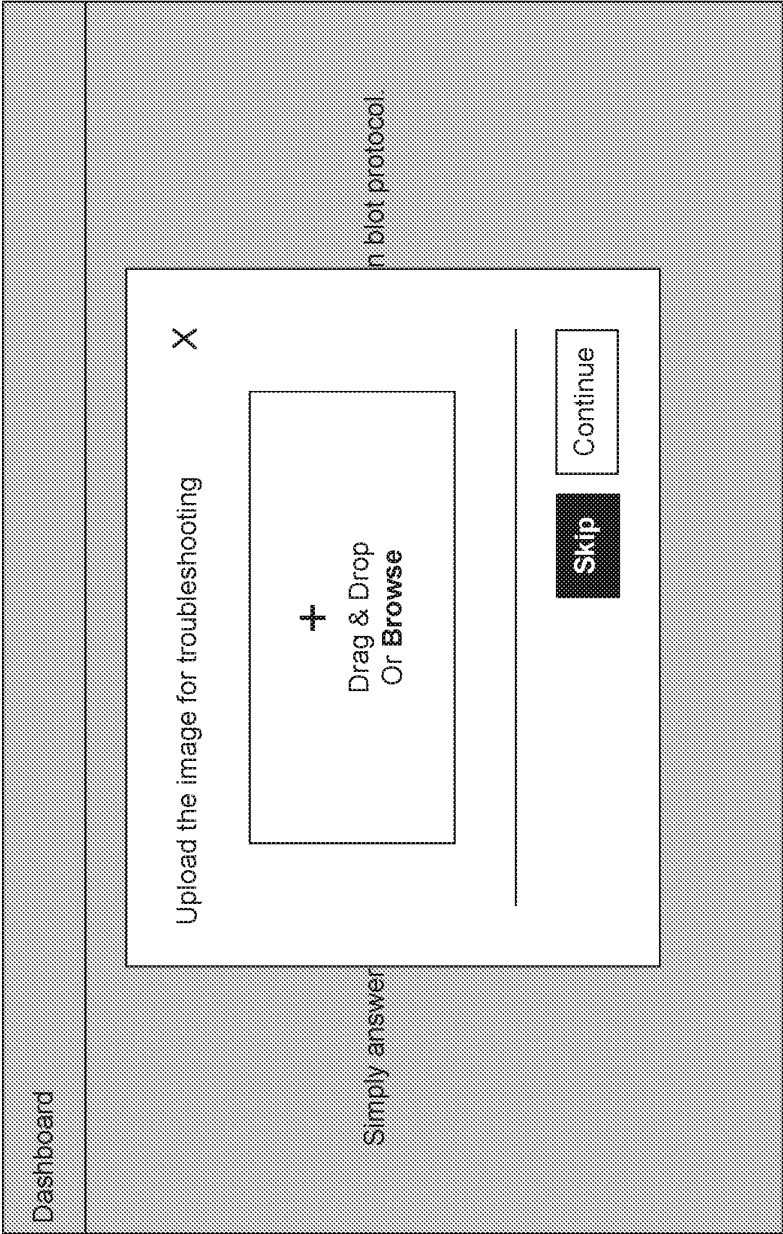


FIG. 28

Troubleshoot (Human Protein)

Questions: F1

1

What is the protein/Uniport ID used?

Enter protein name or ID

2

What is the molecular marker used?

Lane

Default marker

OR

Default marker

3

What are the cell lines used?

Lane	Cell line	Amount loaded	Spindle type
Lane1			Default
Lane2			Default
Lane3			Spindle
Lane4			Spindle

Frame

Cancel

Apply

End

Image name

< Alpha Flow 630 >

Home

Search

Zoom

Reset

Fullscreen

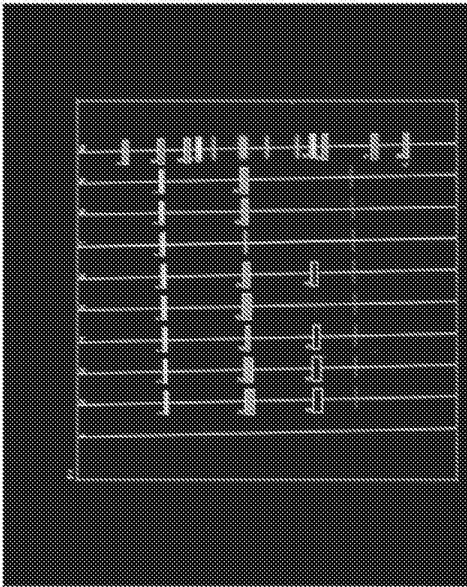


FIG. 29A

Troubleshoot (Human Protein)

Questions: F1

What are the cell lines used?

Lane	Cell line	Amount loaded	Lysate type
Lane1	Cell line name	30	WCL
Lane2	Cell line name	40	Membrane Enriched
Lane3	Cell line name	20	Nucleus Enriched
Lane4	Cell line name	05	Nucleus Enriched

What is the type of gel used?

Cell type

Non-gradient

Cell name

NOPAGE Tris-Acetate

Home

Altera Flux 510

Image name

Frame

Lane

Band

FIG. 29B

[illegible]

FIG. 30A



FIG. 30B

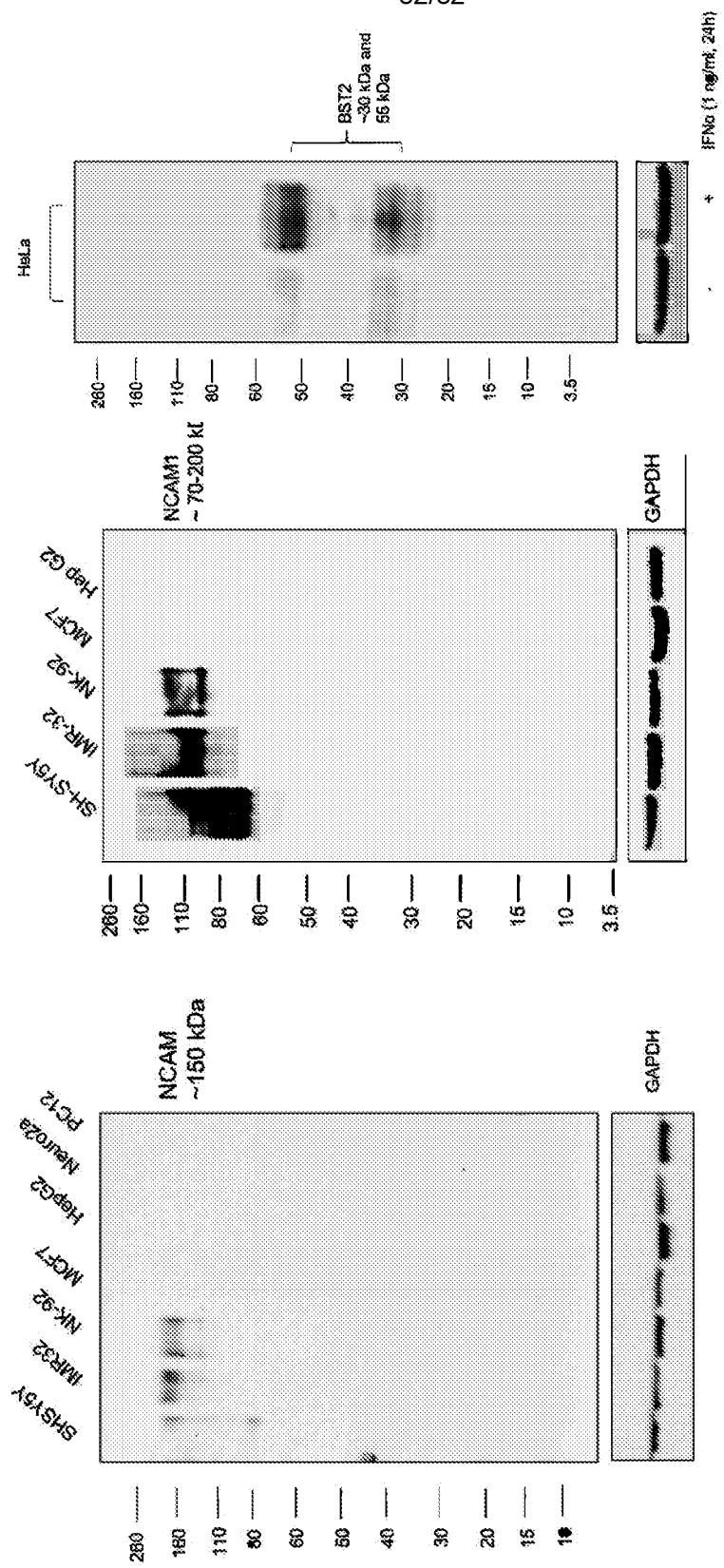


FIG. 31