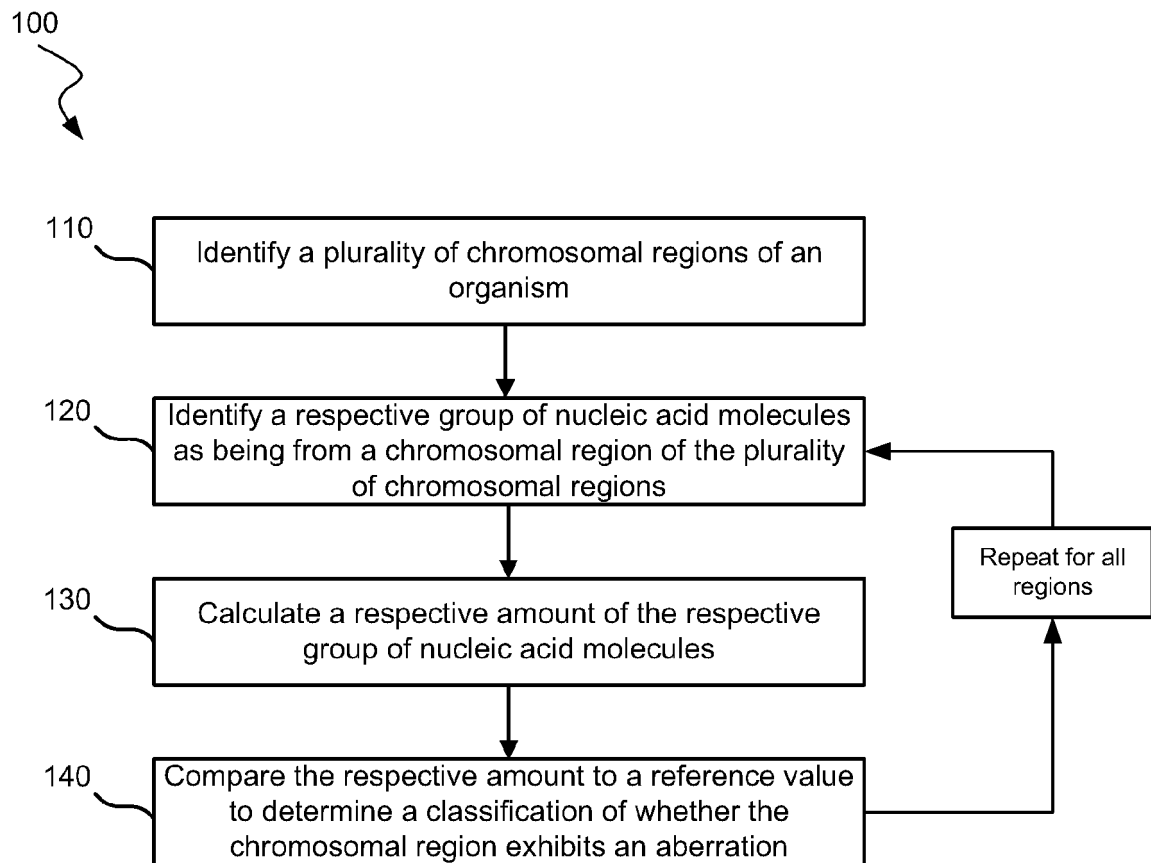
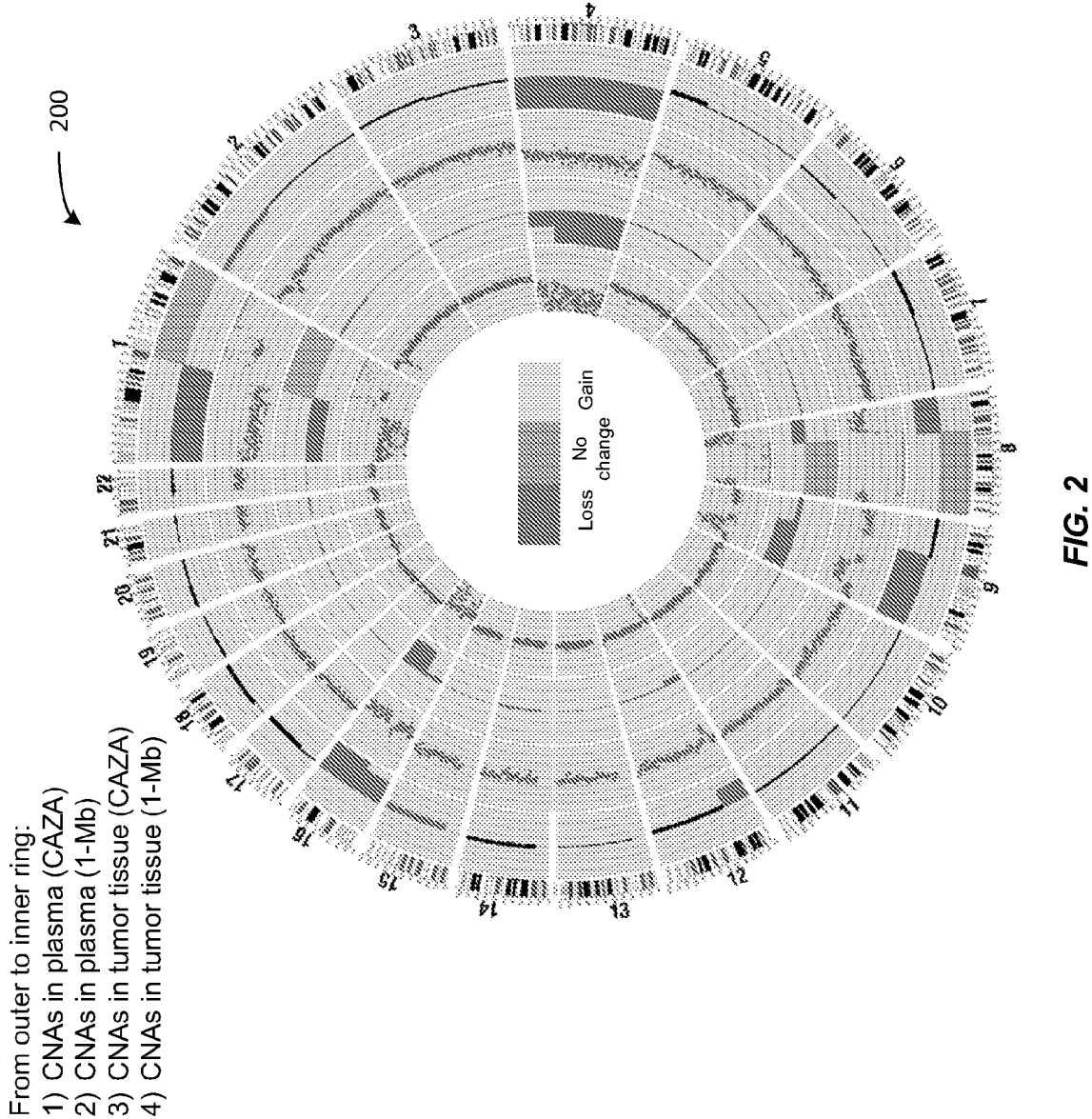


1/34

**FIG. 1**



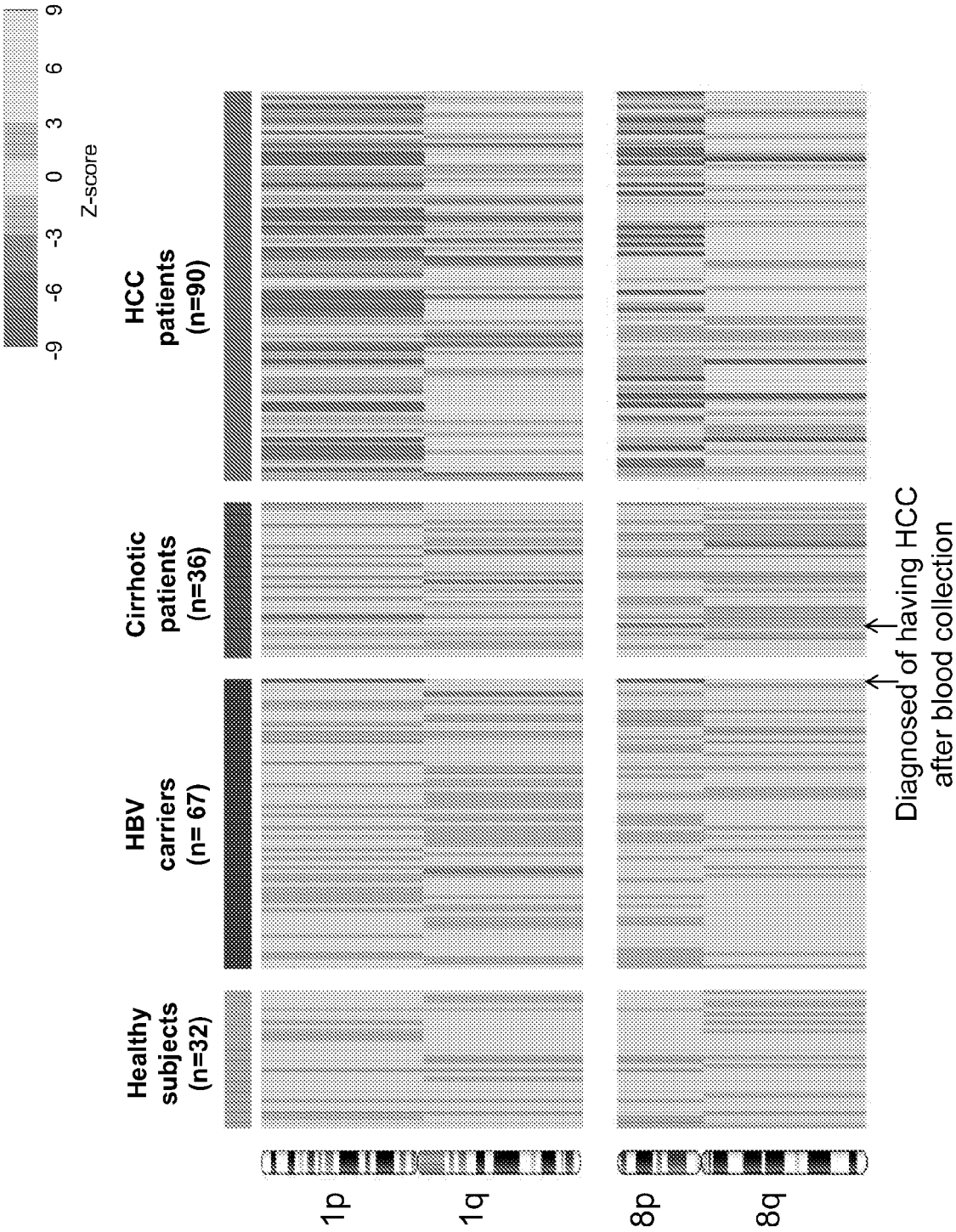


FIG. 3

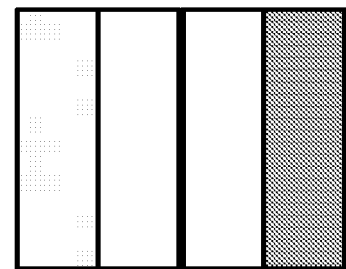
400

	No. of patients (percentage) with CNA detected in plasma for				
	Chr 1p	Chr 1q	Chr 8p	Chr 8q	Any of chr 1p/1q/8p/8q
HCC patients (n=90)	39/90 (43.3%)	46/90 (51.1%)	33/90 (36.7%)	63/90 (70.0%)	76/90 (84.4%)
Cirrhotic patients (n=36)	3/36 (8.3%)	5/36 (13.9%)	1/36 (2.8%)	1/36 (2.8%)	8/36 (22.2%)
HBV carriers (n=67)	1/67 (1.5%)	3/67 (4.48%)	1/67 (1.5%)	1/67 (1.5%)	3/67 (4.5%)
Healthy subjects (n=32)	0/32 (0%)	0/32 (0%)	0/32 (0%)	0/32 (0%)	0/32 (0%)

FIG. 4

5/34

Case no.	Tumor DNA fraction in plasma (%)	Tumor size (cm)	1p		1q		8p		8q	
			Tumor	Plasma	Tumor	Plasma	Tumor	Plasma	Tumor	Plasma
HOT412	27.5	6.5	Gain	Gain	Gain	Gain	Loss	Loss	Gain	Gain
HOT407	19.4	8	Nil	Nil	Nil	Gain	Loss	Loss	Gain	Gain
HOT414	18.7	15	Loss	Loss	Gain	Gain	Loss	Loss	Gain	Gain
HOT426	4.1	6.5	Loss	Loss	Gain	Gain	Loss	Nil	Nil	Gain
HOT394	2.5	4	Loss	Loss	Gain	Gain	Loss	Loss	Gain	Gain
HOT397	2.4	5.5	Loss	Loss	Gain	Nil	Loss	Nil	Gain	Gain
HOT393	1.8	3	Loss	Loss	Nil	Loss	Nil	Gain	Nil	Gain
HOT427	1.7	1.5	Loss	Nil	Gain	Gain	Nil	Nil	Nil	Nil
HOT413	1.7	2	Nil	Loss	Gain	Nil	Loss	Nil	Gain	Gain
HOT425	1.5	8.5	Loss	Loss	Nil	Nil	Loss	Nil	Gain	Gain
HOT428	1.5	2	Loss	Nil	Gain	Loss	Loss	Nil	Gain	Gain
HOT432	1.0	2	Loss	Nil	Nil	Nil	Nil	Nil	Nil	Gain



Concordant results in tumor and plasma 30/48 (63%)

CNA detected in tumor but not in plasma 10/48 (21%);

Mainly for plasma samples with <2% tumor DNA

CNA detected in plasma but not in tumor 7/48 (15%)

Different CNA patterns in tumor and plasma 1/48 (2%)



FIG. 5

6/34

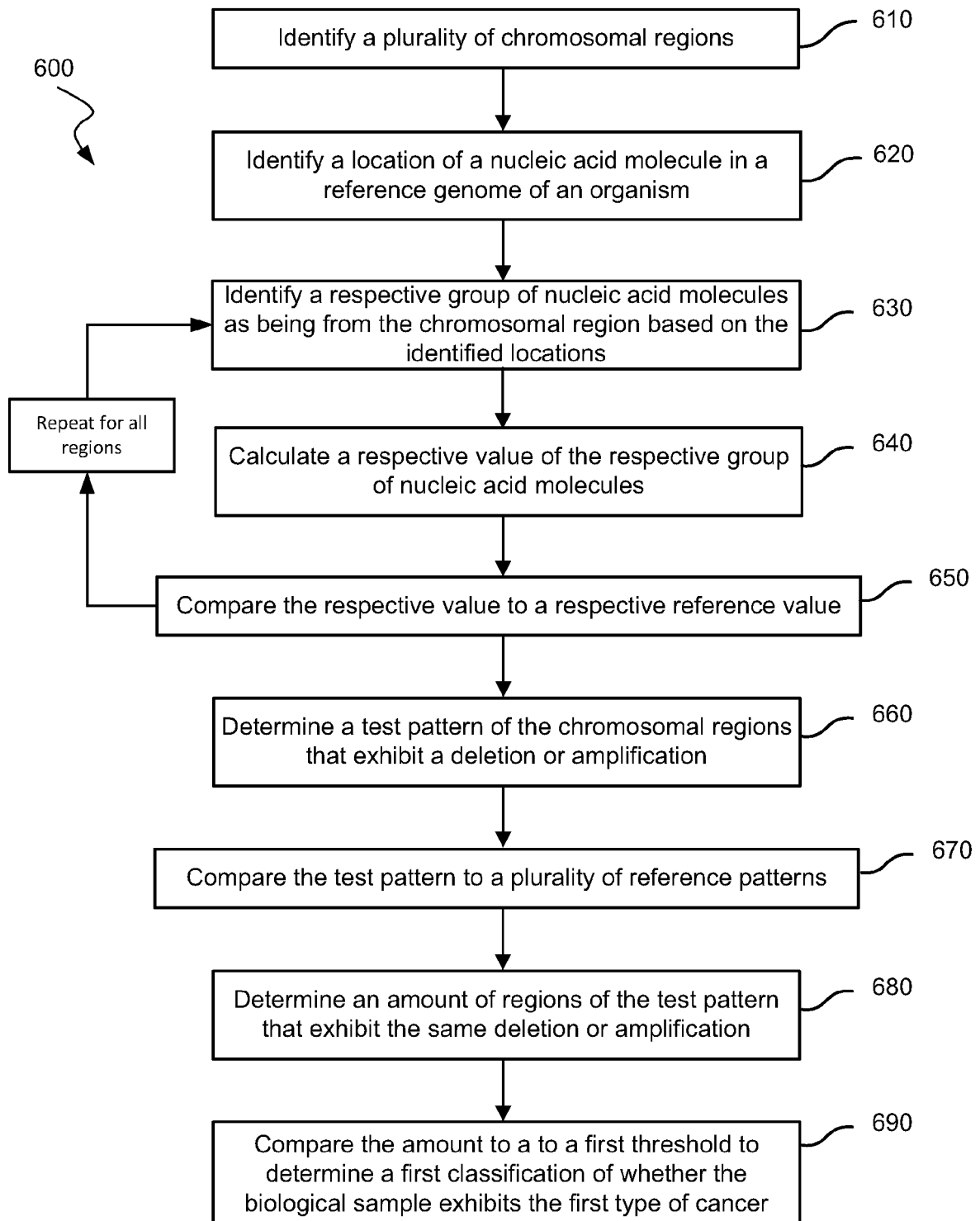


FIG. 6

7/34

	HCC1	HCC2	HCC3	HCC4	HCC5	HCC6	CRC1	CRC2	CRC3	CRC4	BrC1	BrC2	BrC3	LC1	LC2	NPC1	NPC2
1p	+	Nil	+	+	+	+	+	+	+	+	-	Nil	Nil	Nil	+	Nil	-
1q	+	+	+	Nil	+	+	-	+	+	+	+	+	+	+	+	Nil	+
2p	+	+	-	Nil	+	Nil	+	+	-	+	Nil	-	Nil	+	-	Nil	+
2q	Nil	+	-	Nil	Nil	Nil	Nil	Nil	+	-	+	+	+	+	+	Nil	-
3p	Nil	+	+	Nil	Nil	Nil	+	+	+	-	-	+	+	+	Nil	Nil	-
3q	Nil	+	+	Nil	Nil	Nil	+	+	+	-	-	+	+	+	Nil	Nil	-
4p	+	+	+	+	+	Nil	+	+	+	+	+	+	+	+	+	+	+
4q	Nil	-	-	Nil	Nil	Nil	+	+	+	+	-	Nil	Nil	Nil	-	Nil	-
5p	Nil	Nil	+	+	+	Nil	+	+	+	+	-	Nil	Nil	+	Nil	Nil	Nil
5q	Nil	Nil	Nil	Nil	Nil	Nil	Nil	+	-	-	-	-	+	-	Nil	Nil	Nil
6p	Nil	+	+	Nil	Nil	Nil	+	+	-	+	+	Nil	Nil	+	+	Nil	-
6q	Nil	+	+	Nil	Nil	Nil	+	+	+	+	+	Nil	Nil	+	-	-	Nil
7p	Nil	Nil	-	Nil	+	Nil	+	+	+	+	+	Nil	Nil	+	+	Nil	+
7q	Nil	Nil	+	Nil	Nil	Nil	+	+	+	-	+	-	-	+	Nil	Nil	+
8p	-	-	+	+	+	Nil	+	+	+	+	+	+	+	+	+	Nil	Nil
8q	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	Nil	+
9p	+	-	+	Nil	Nil	Nil	+	-	+	-	+	-	-	-	-	Nil	-
9q	Nil	-	Nil	Nil	Nil	Nil	+	-	+	-	-	Nil	Nil	-	-	Nil	-
11p	Nil	Nil	Nil	Nil	Nil	Nil	+	Nil	-	+	-	-	Nil	-	+	Nil	Nil
12p	-	-	+	Nil	Nil	Nil	+	+	Nil	+	-	-	+	+	Nil	Nil	+
12q	+	Nil	+	Nil	-	Nil	-	+	Nil	+	-	-	+	+	Nil	+	+
13q	-	Nil	-	Nil	Nil	Nil	+	+	+	+	-	-	Nil	Nil	Nil	+	+
14q	Nil	-	+	Nil	Nil	Nil	-	-	-	-	-	-	Nil	-	Nil	Nil	-
15p	Nil	-	Nil	Nil	-	Nil	-	Nil	-	+	-	Nil	-	+	+	Nil	Nil
16q	Nil	-	Nil	Nil	Nil	Nil	Nil	Nil	+	Nil	-	-	+	Nil	+	Nil	Nil
17p	-	+	-	Nil	+	+	+	+	+	+	+	+	+	+	+	+	+
17q	+	Nil	-	Nil	-	+	+	+	+	+	+	+	+	+	+	+	+
18p	-	Nil	-	Nil	Nil	Nil	+	+	+	+	+	Nil	Nil	Nil	Nil	Nil	Nil
18q	Nil	Nil	-	Nil	+	Nil	-	-	-	-	+	Nil	Nil	Nil	Nil	Nil	+
22q	-	Nil	Nil	-	-	Nil	-	-	-	+	Nil	Nil	+	+	Nil	+	+

FIG. 7

700

[illegible]

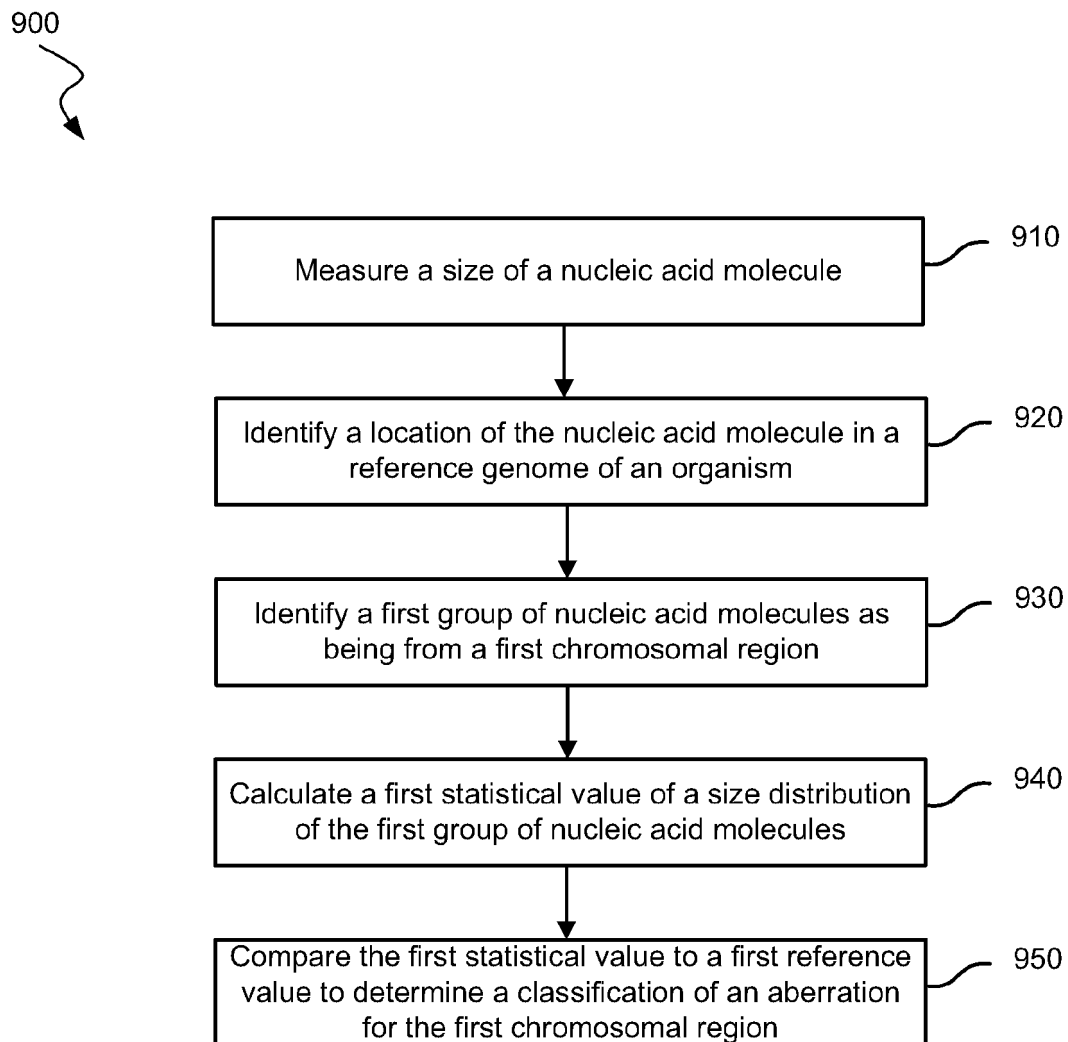
FIG. 8A

[illegible]

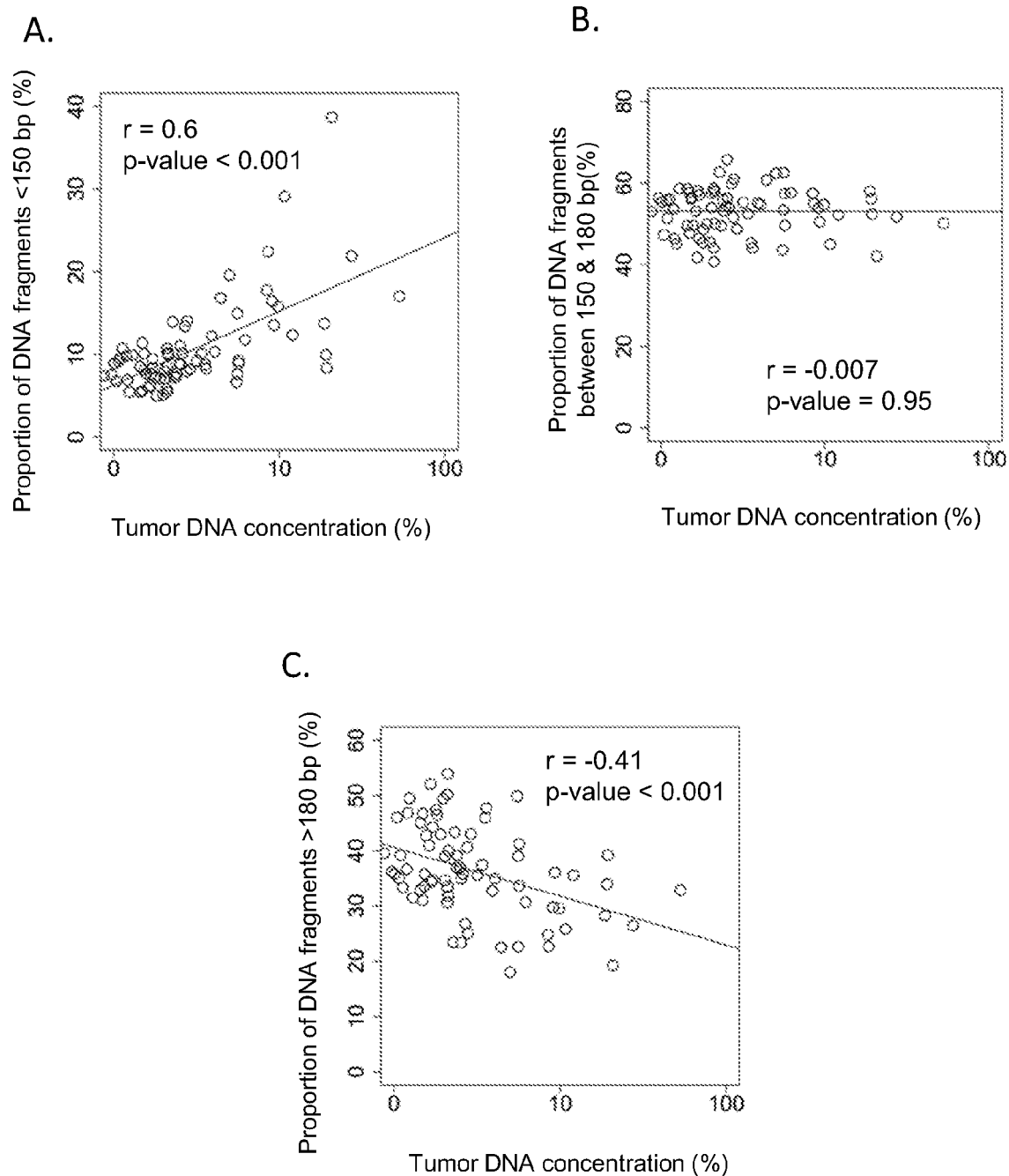
FIG. 8B



11/34

**FIG. 9**

12/34

**FIG. 10**

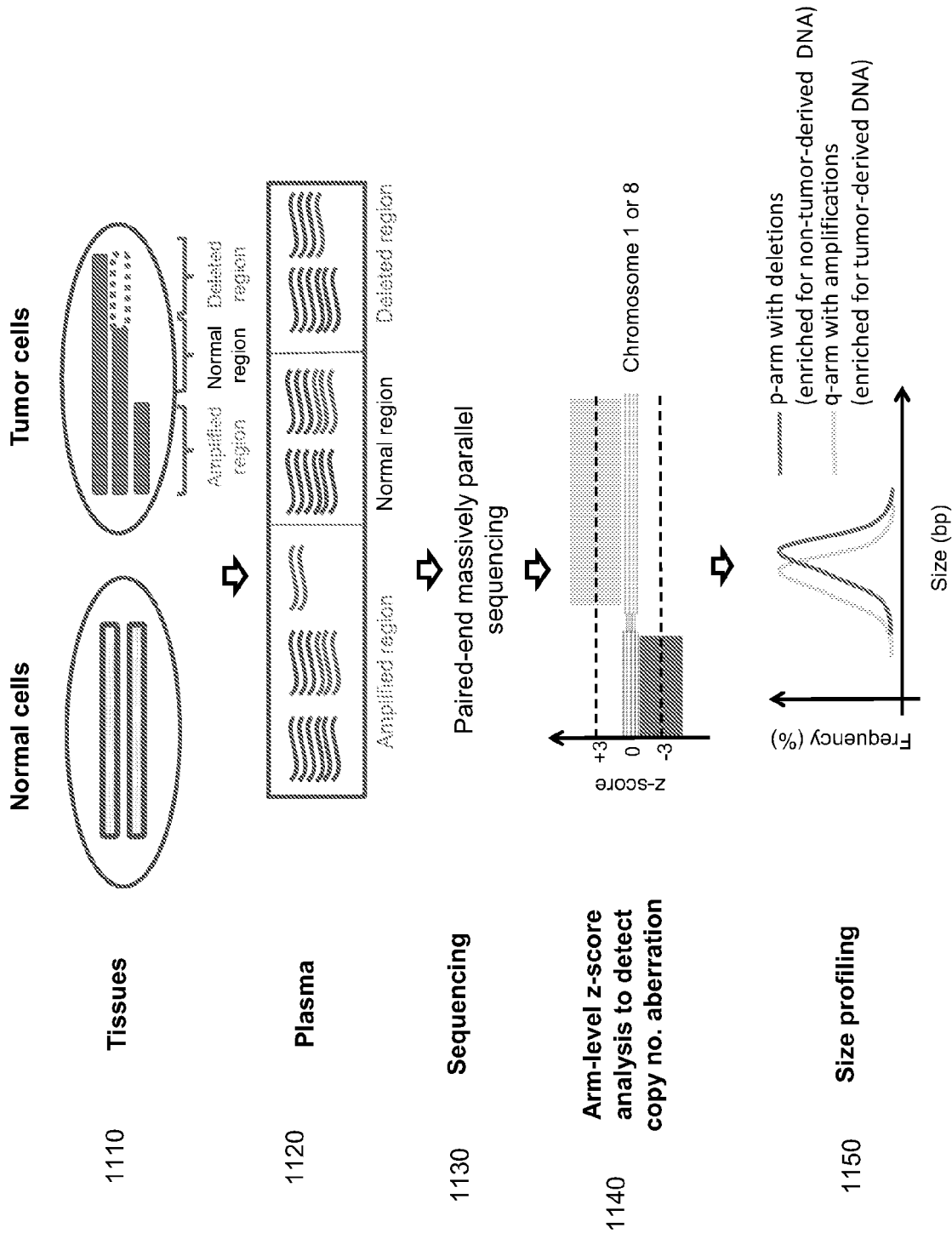


FIG. 11

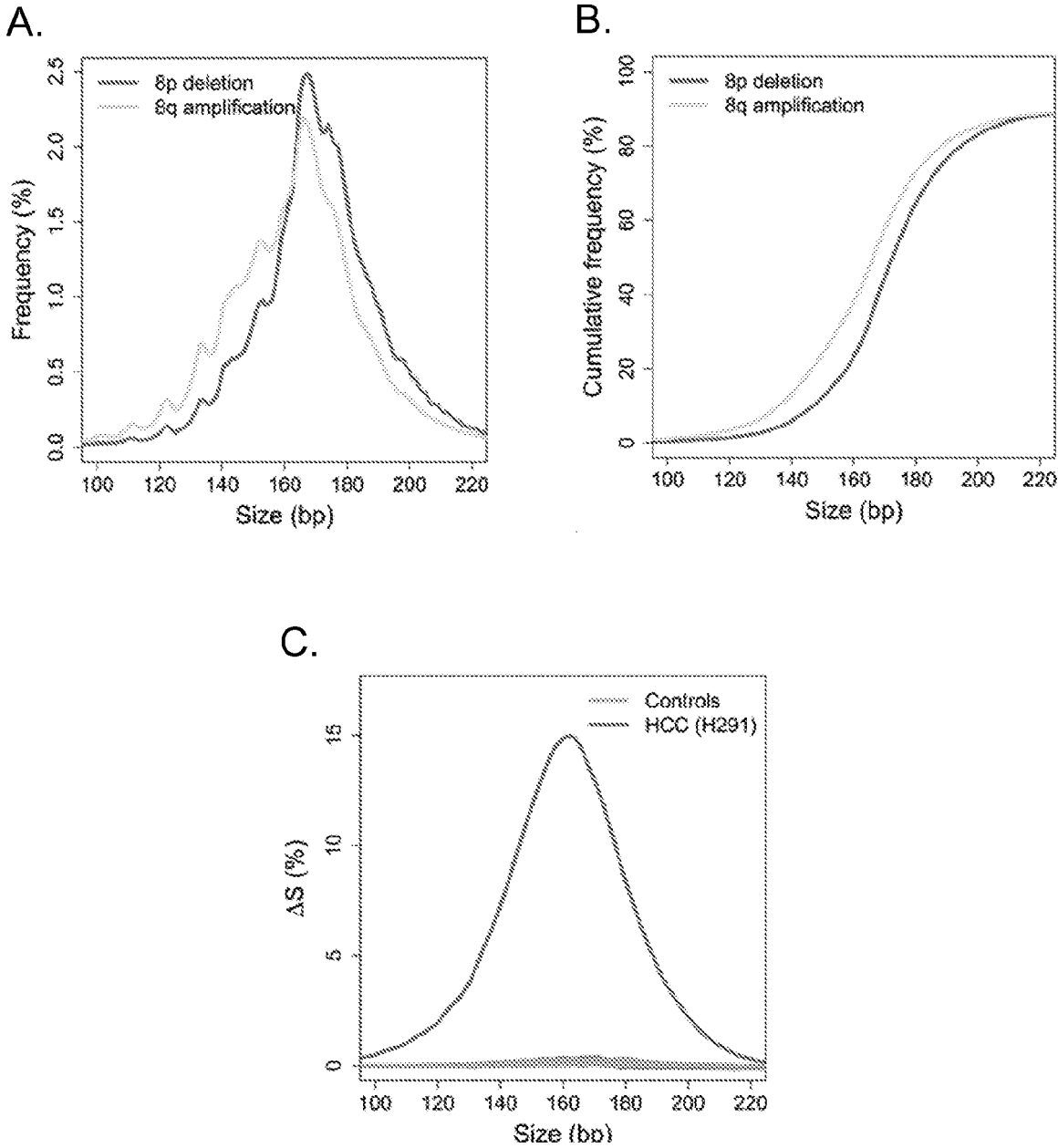


FIG. 12

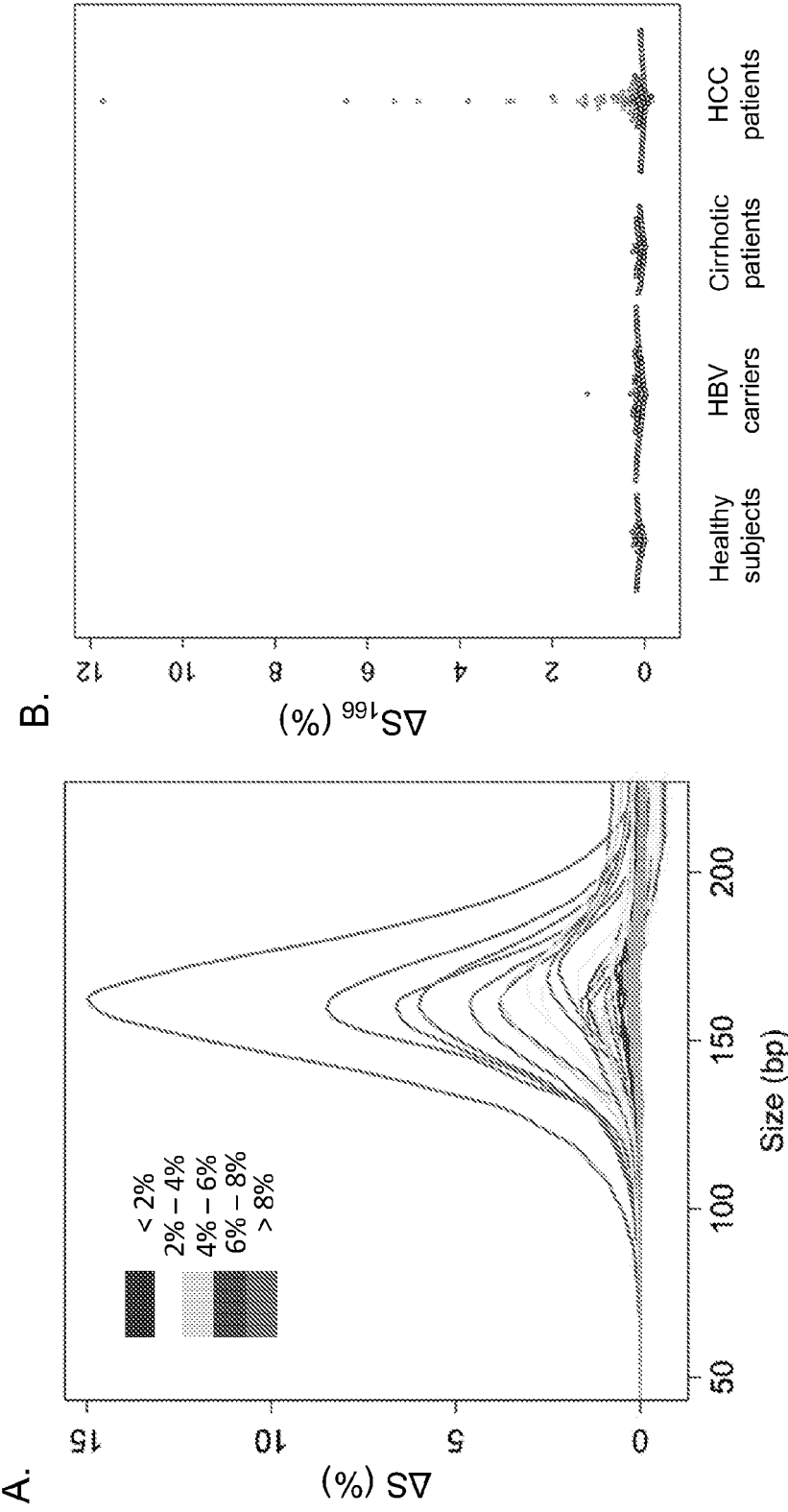


FIG. 13

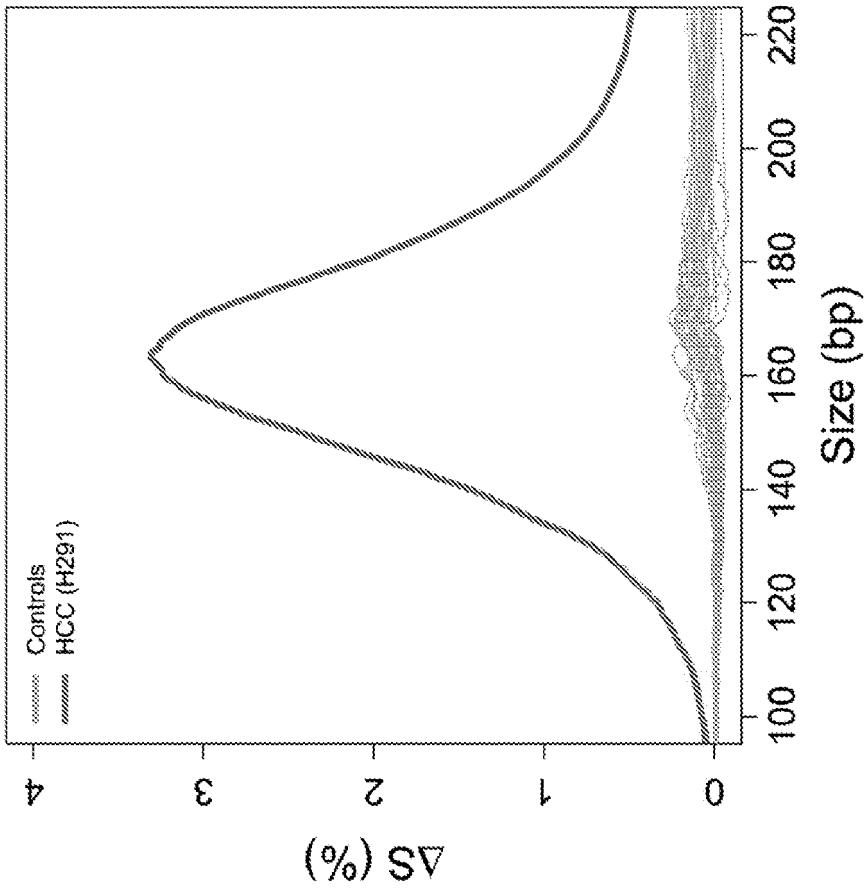


FIG. 14

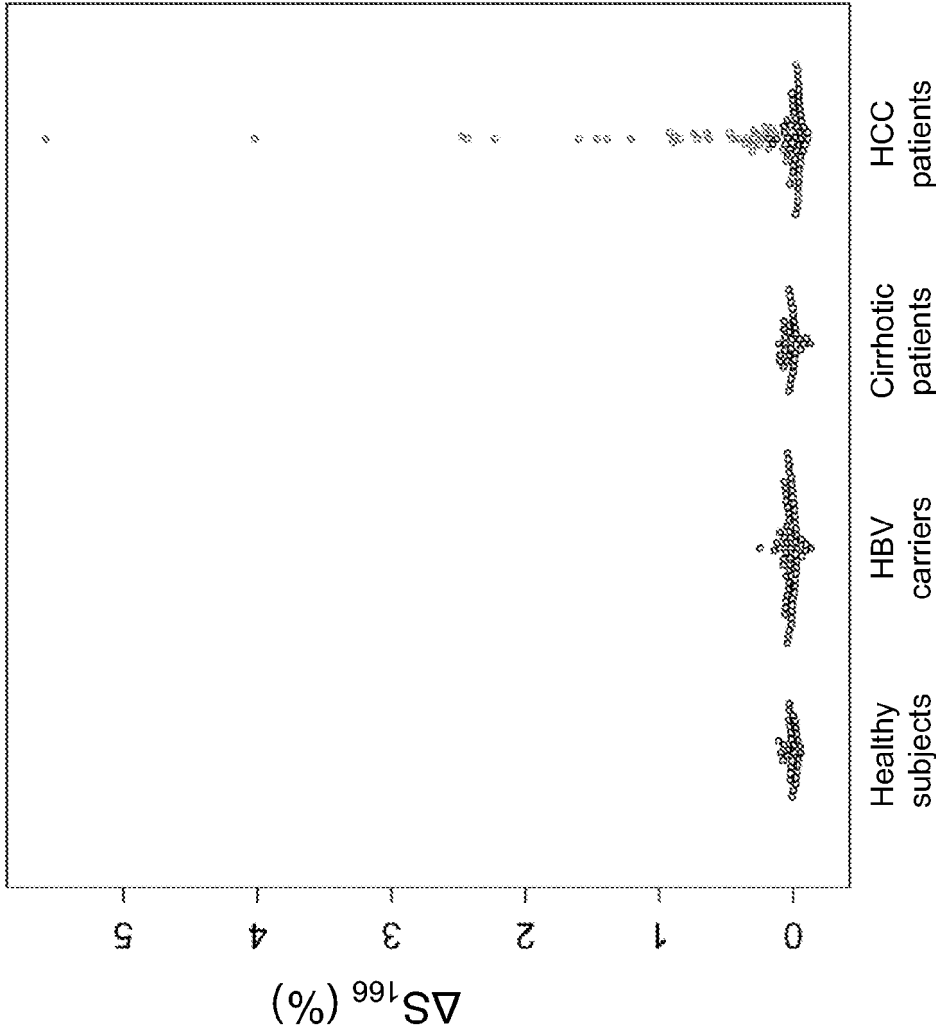


FIG. 15

18/34

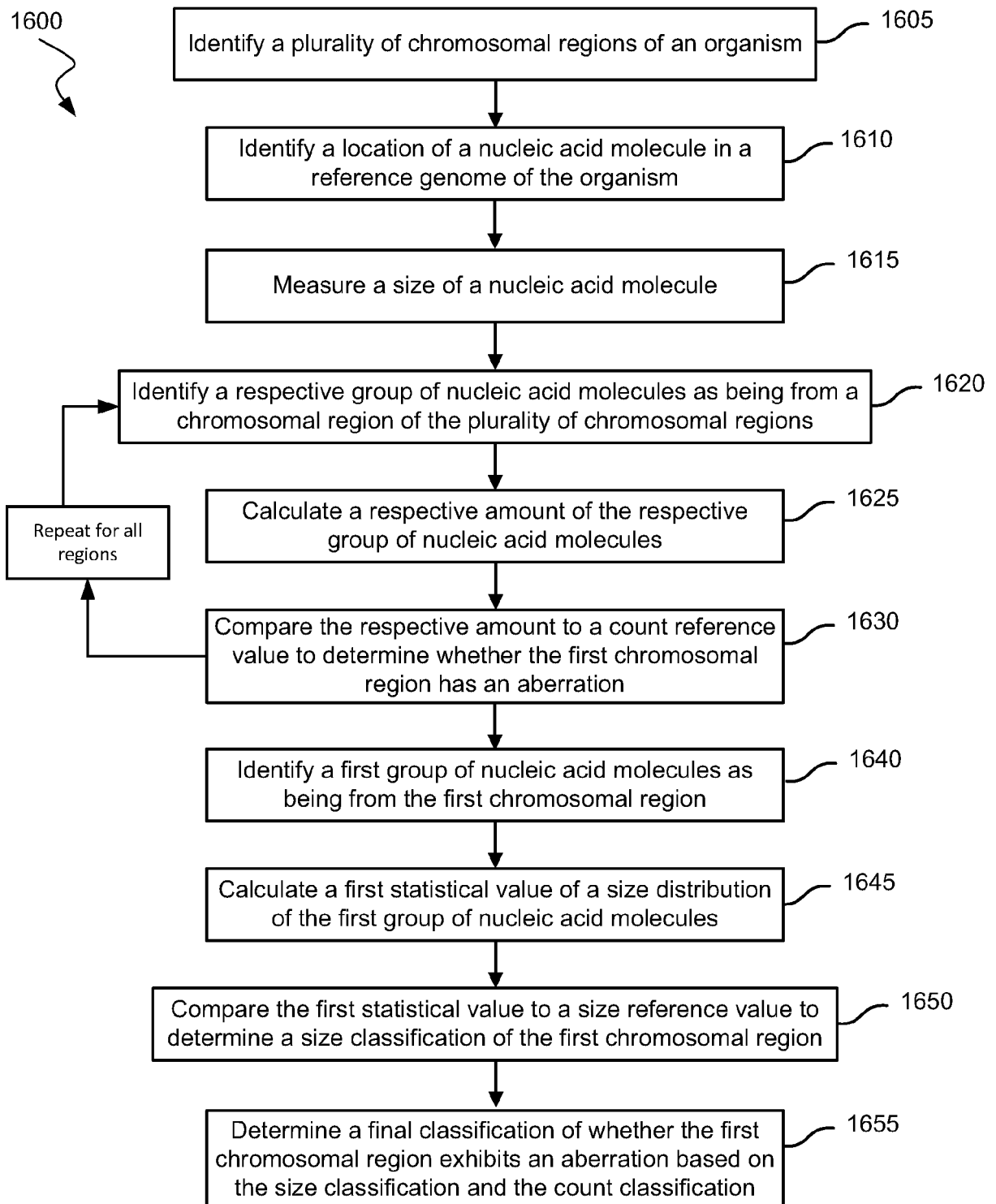
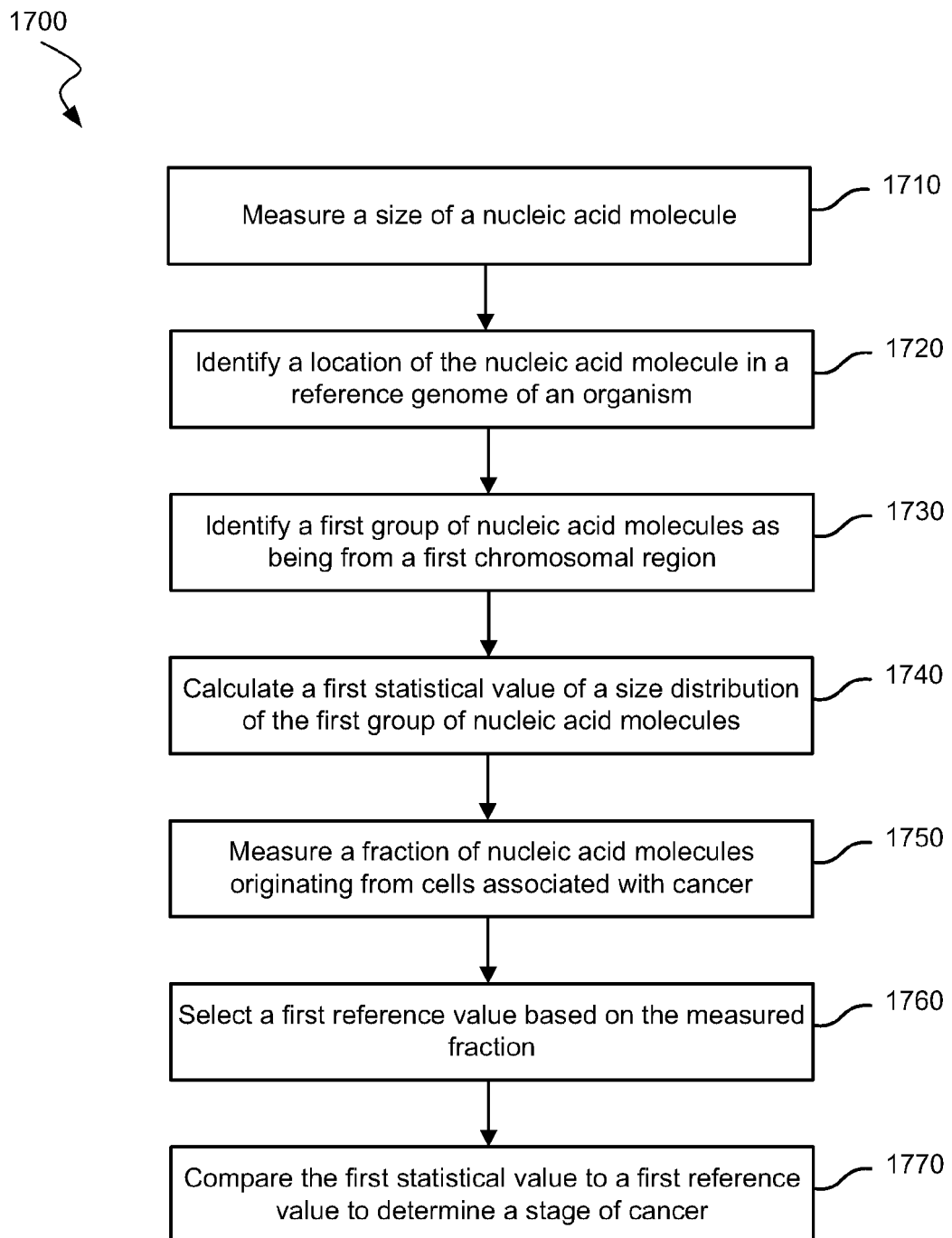


FIG. 16

19/34

**FIG. 17**

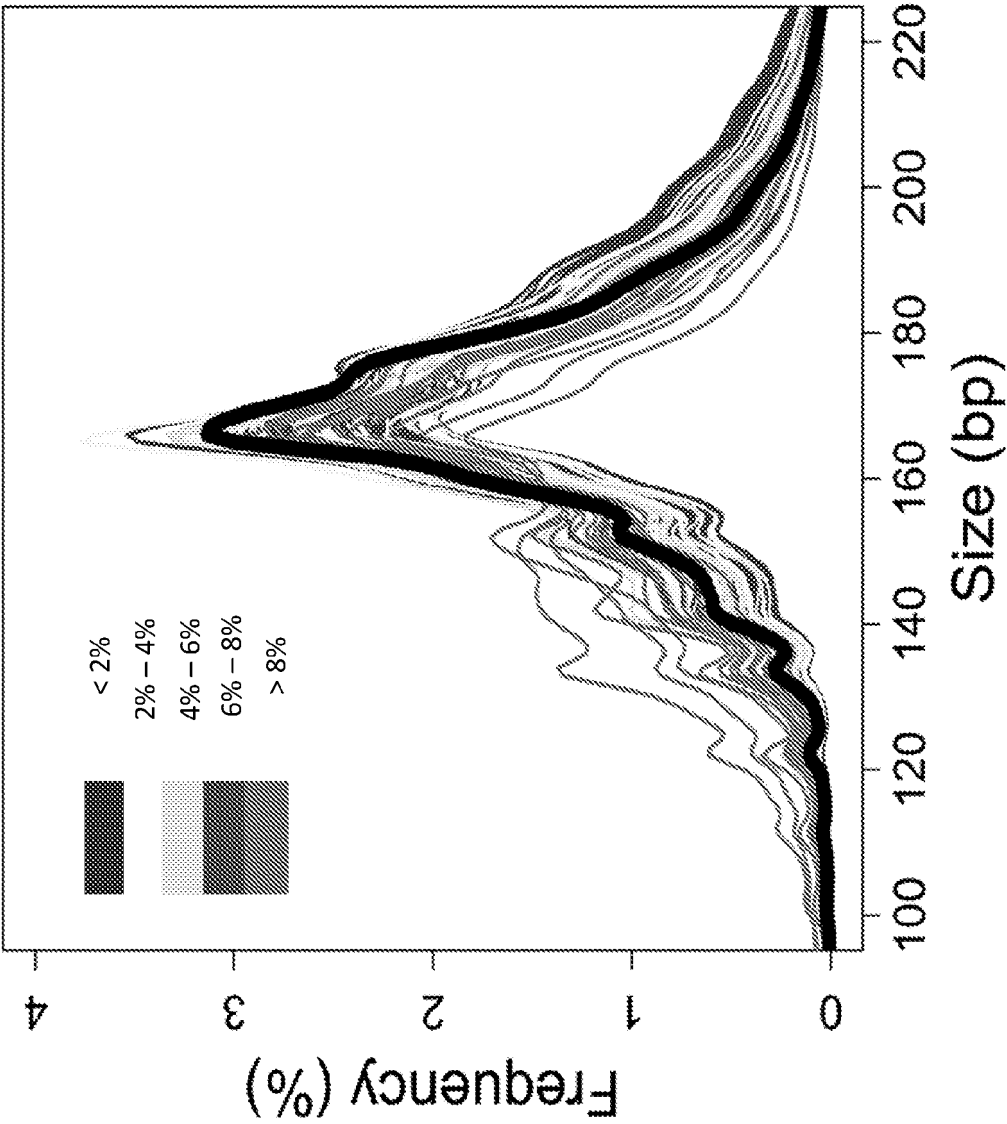
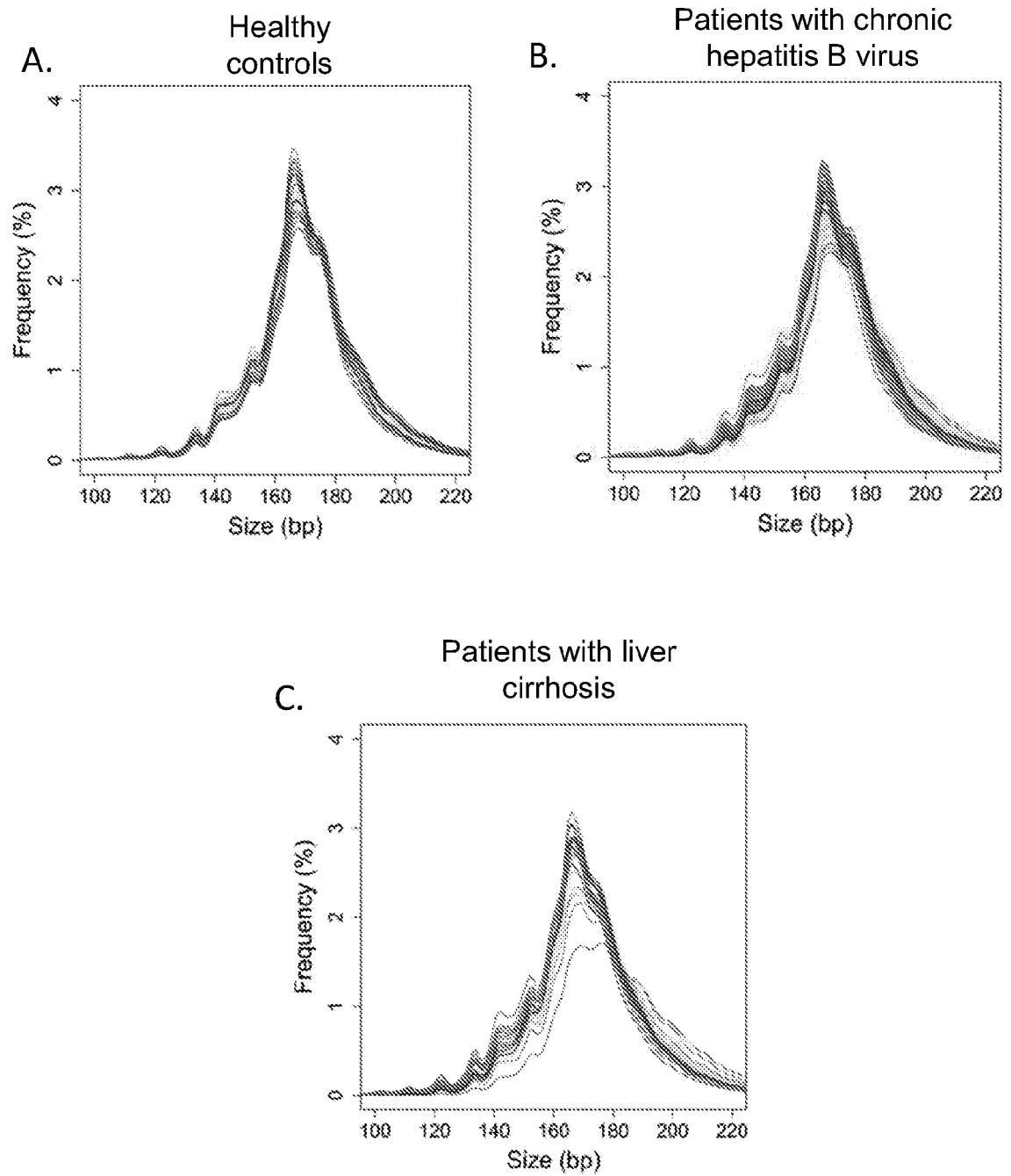


FIG. 18

21/34

**FIG. 19**

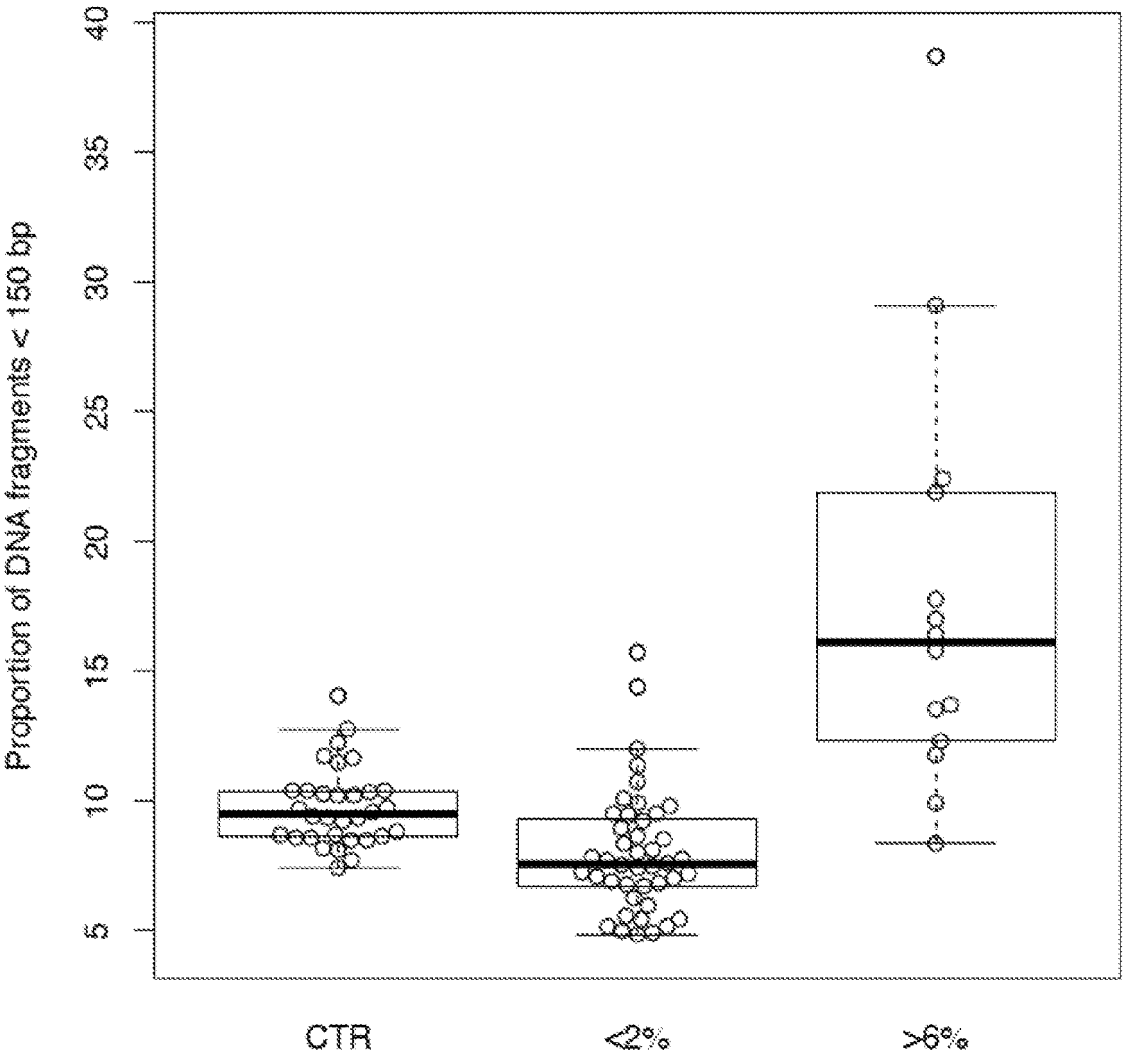
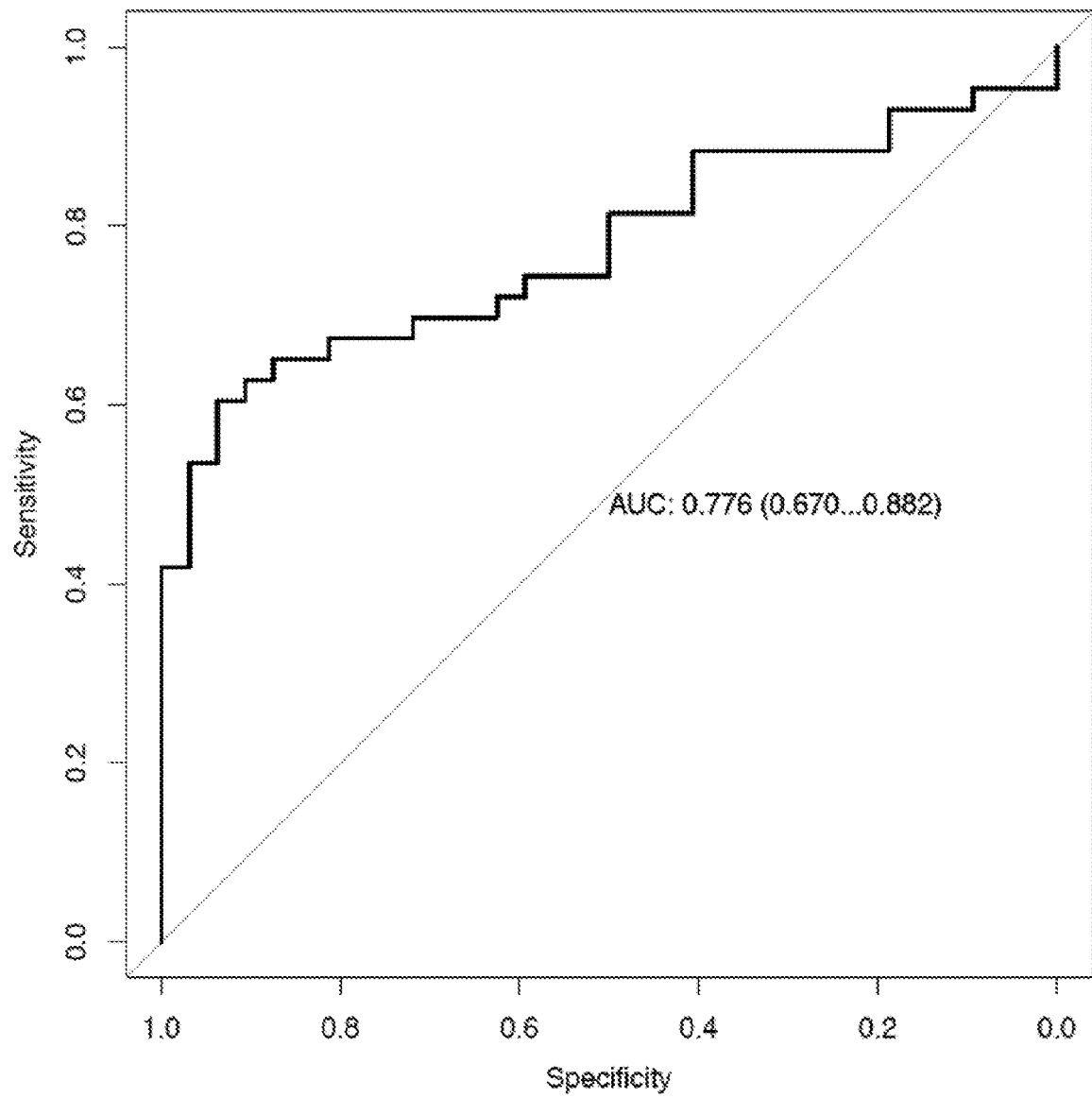
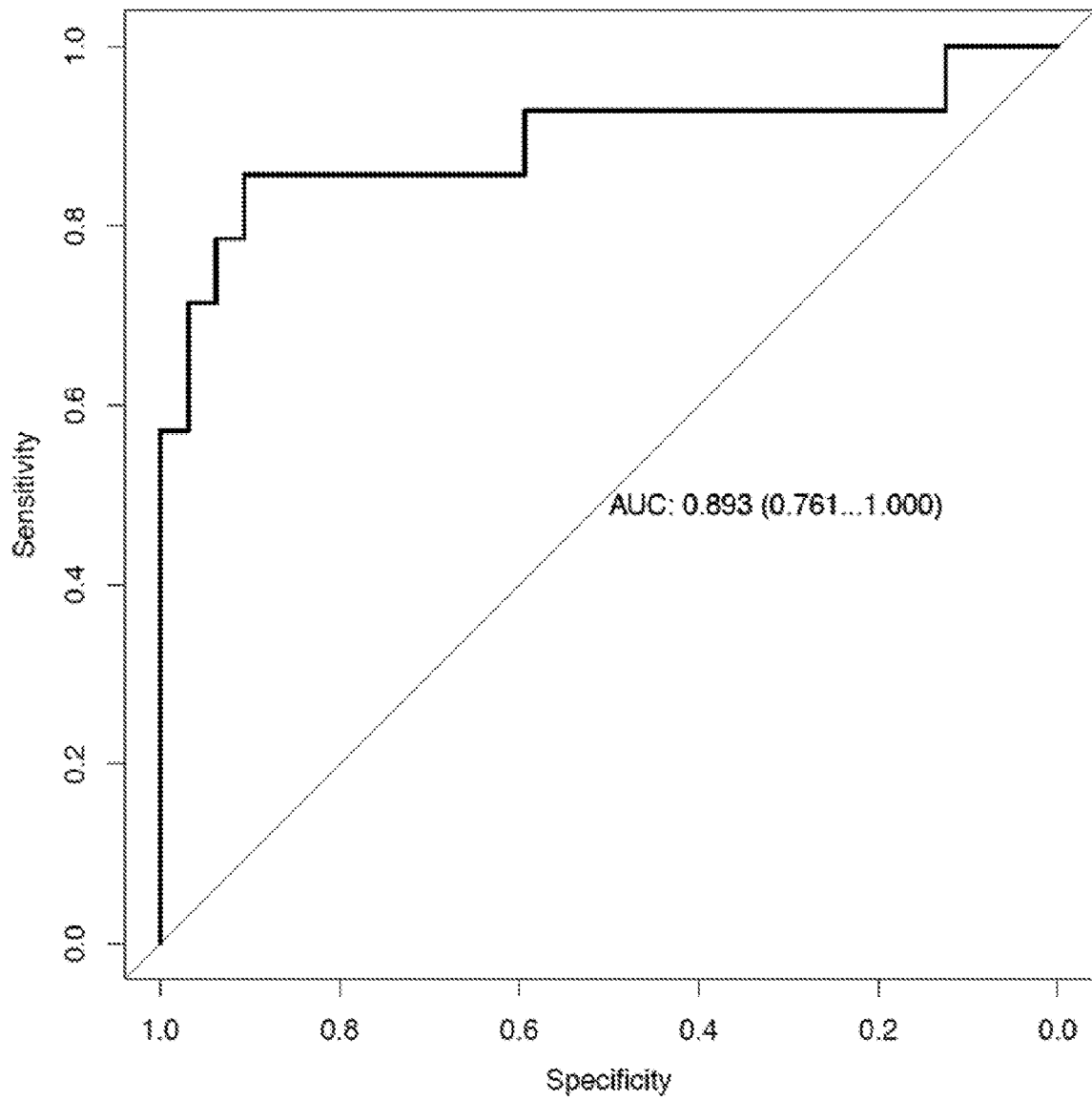


FIG. 20

23/34

**FIG. 21**

24/34

**FIG. 22**

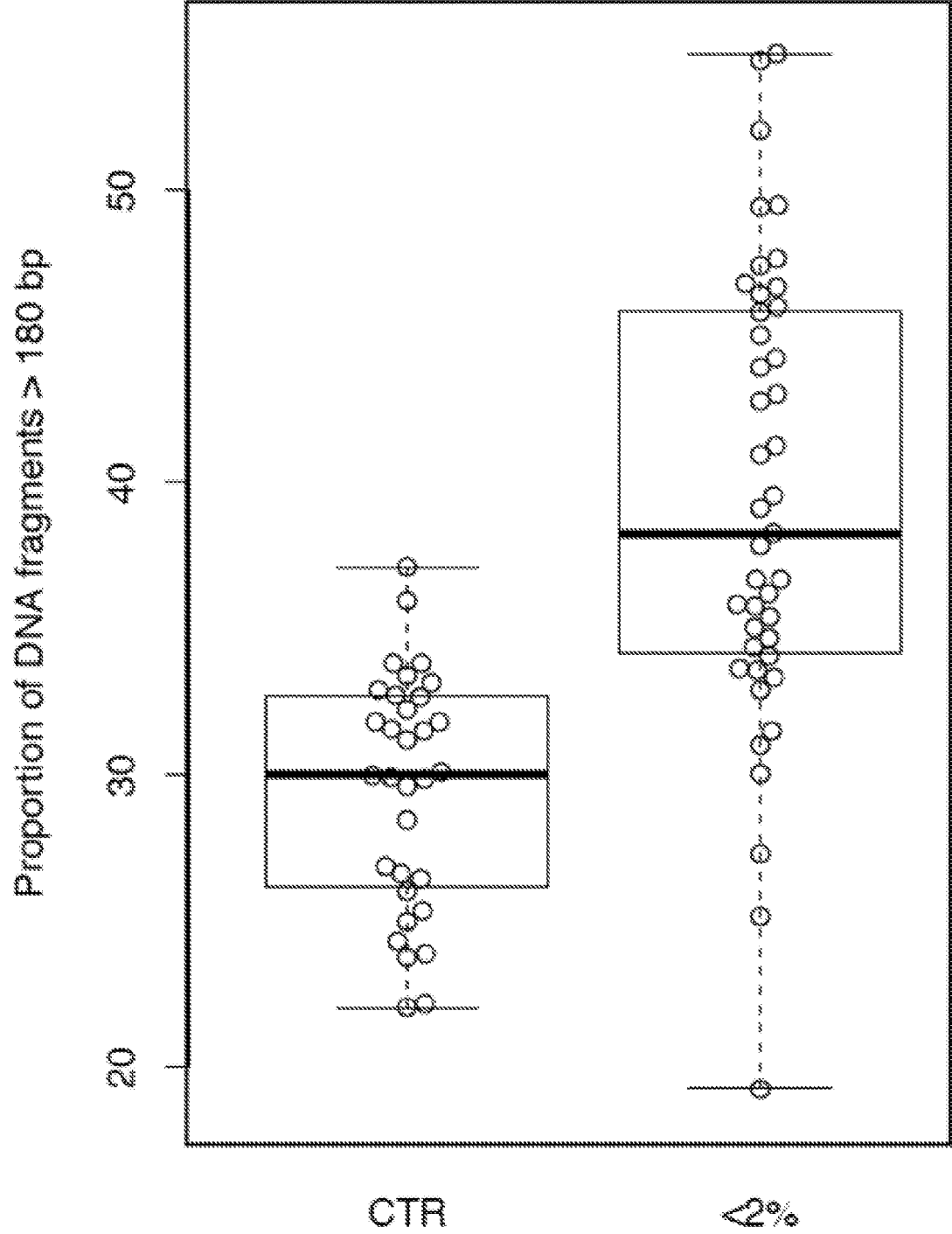
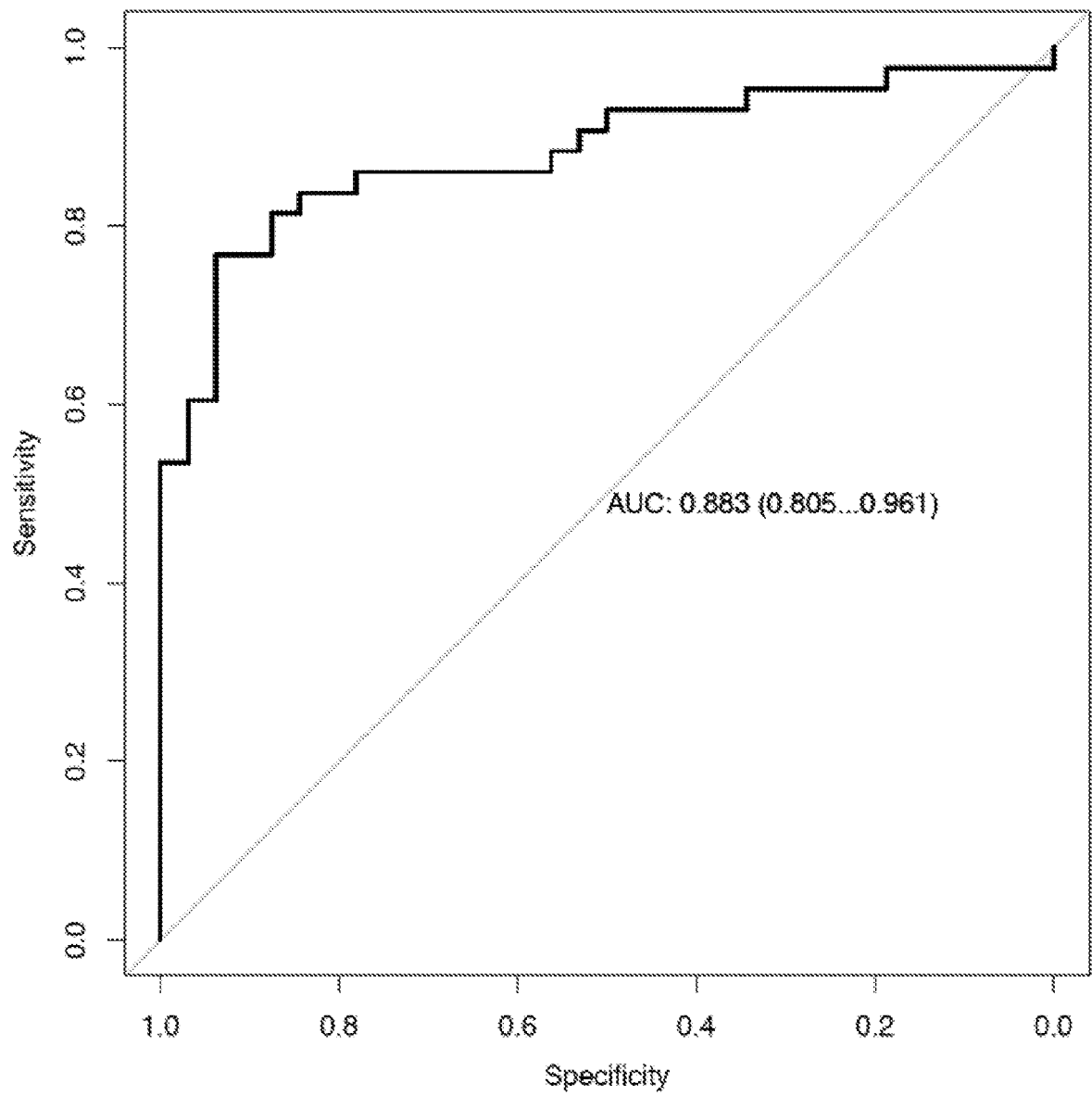


FIG. 23

26/34

**FIG. 24**

27/34

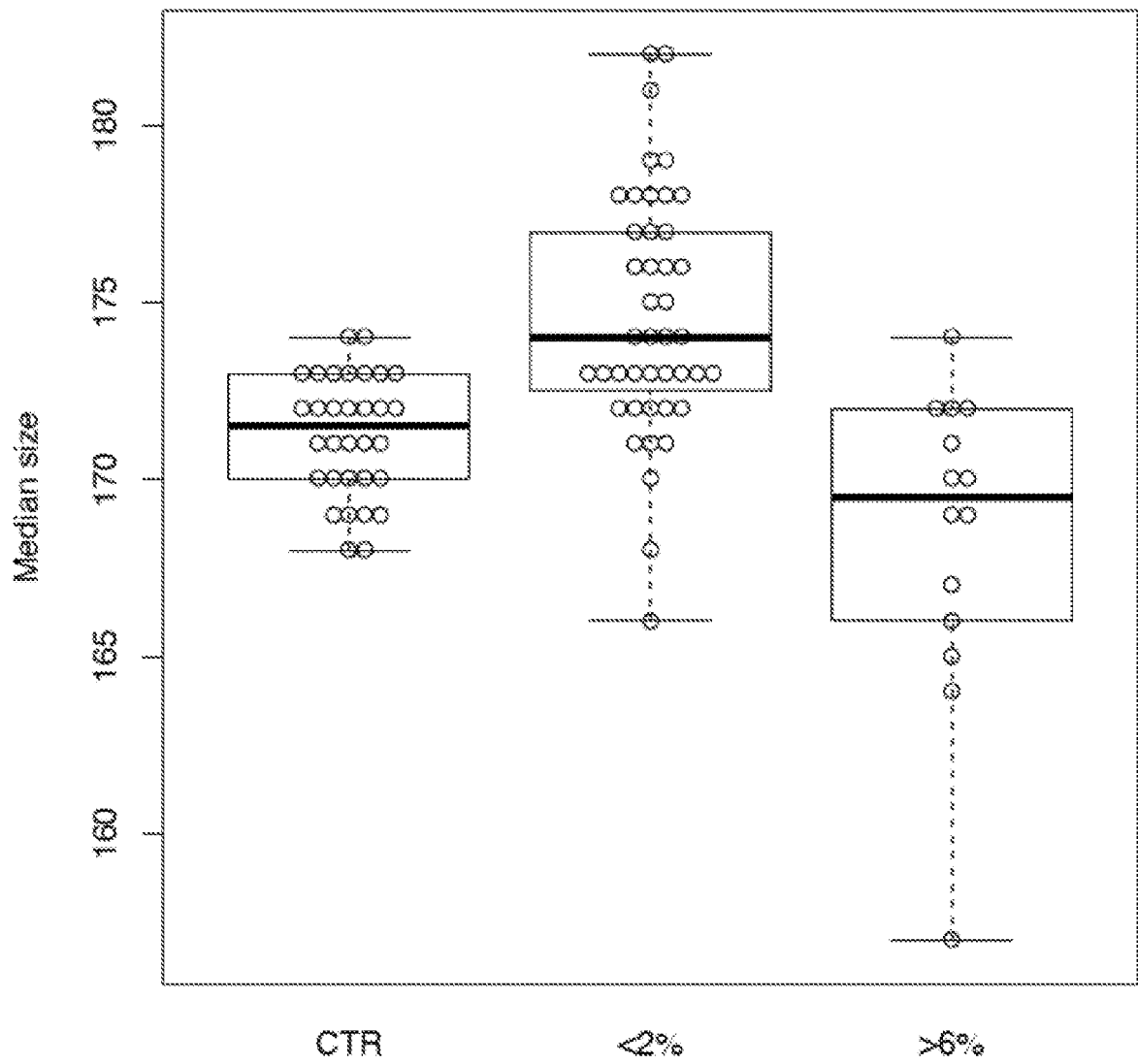
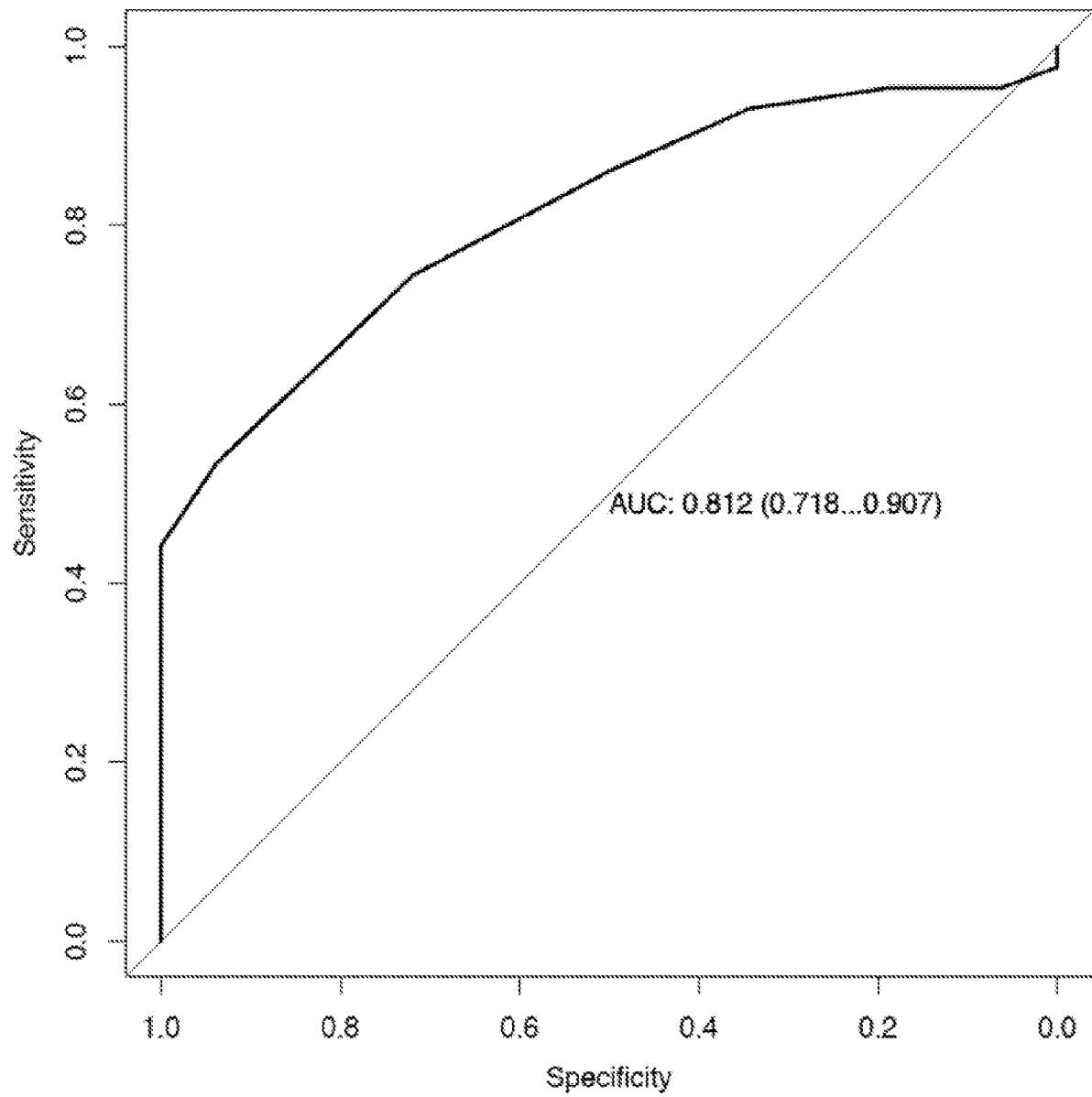
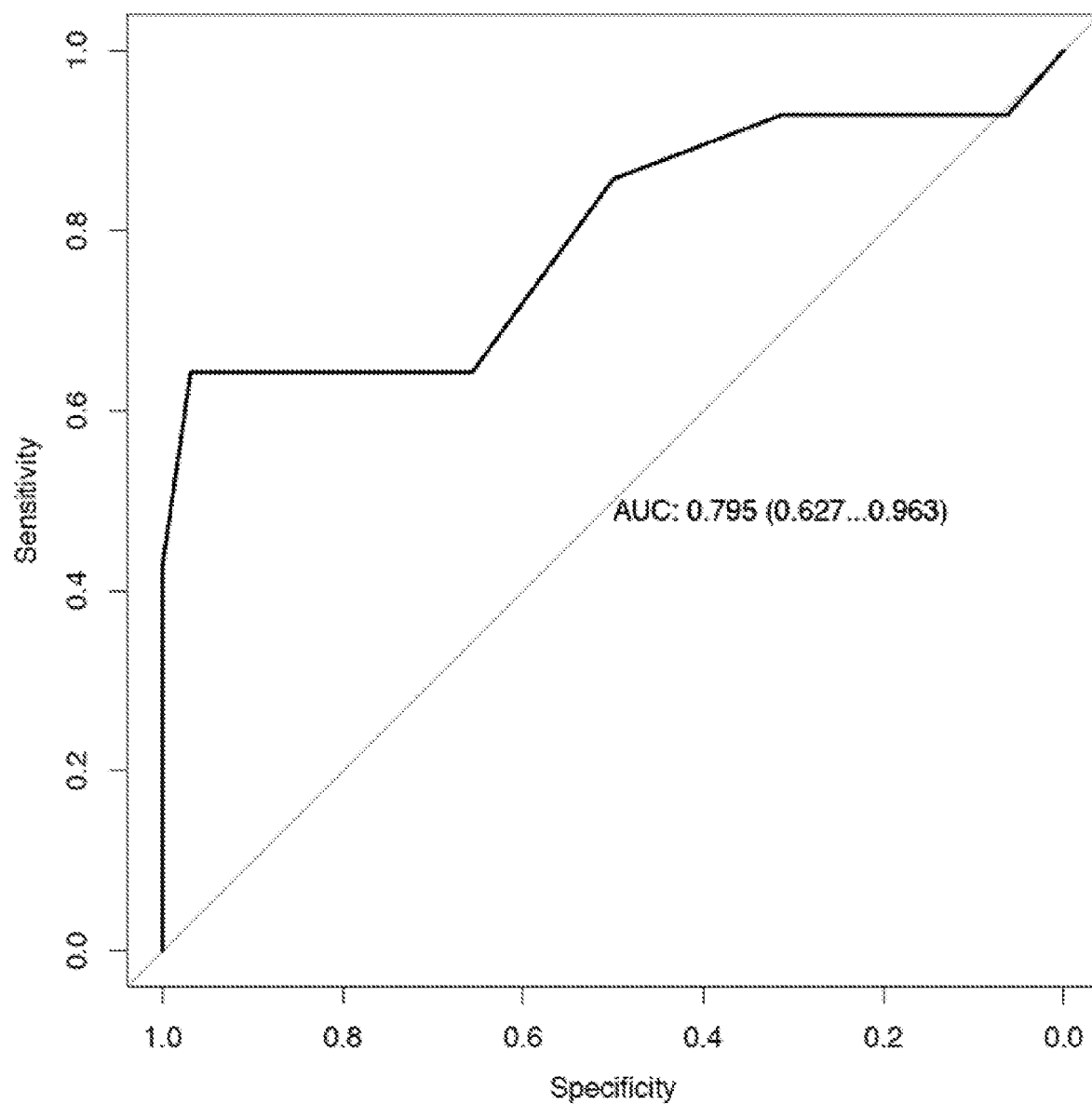


FIG. 25

28/34

**FIG. 26**

29/34

**FIG. 27**

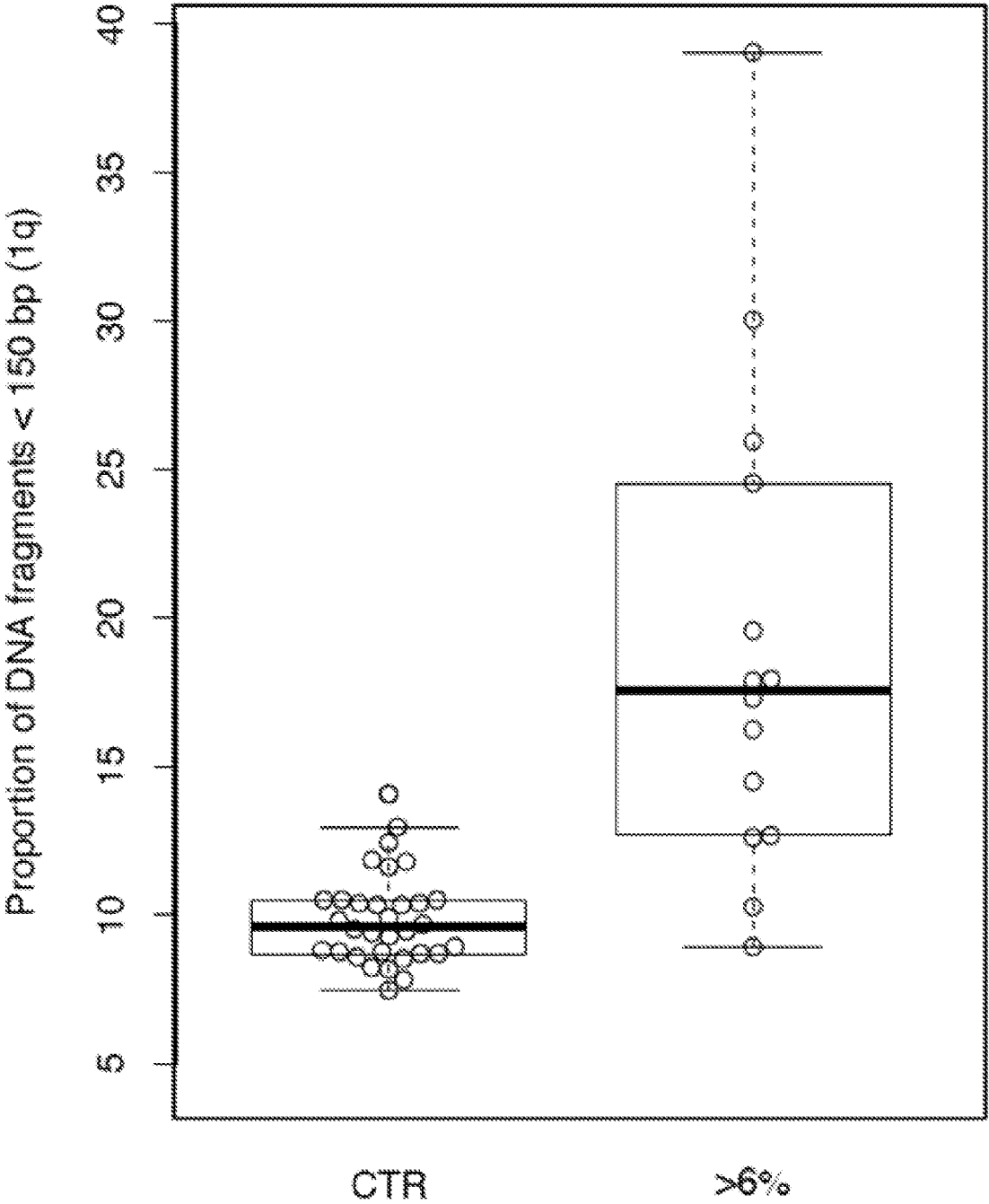


FIG. 28

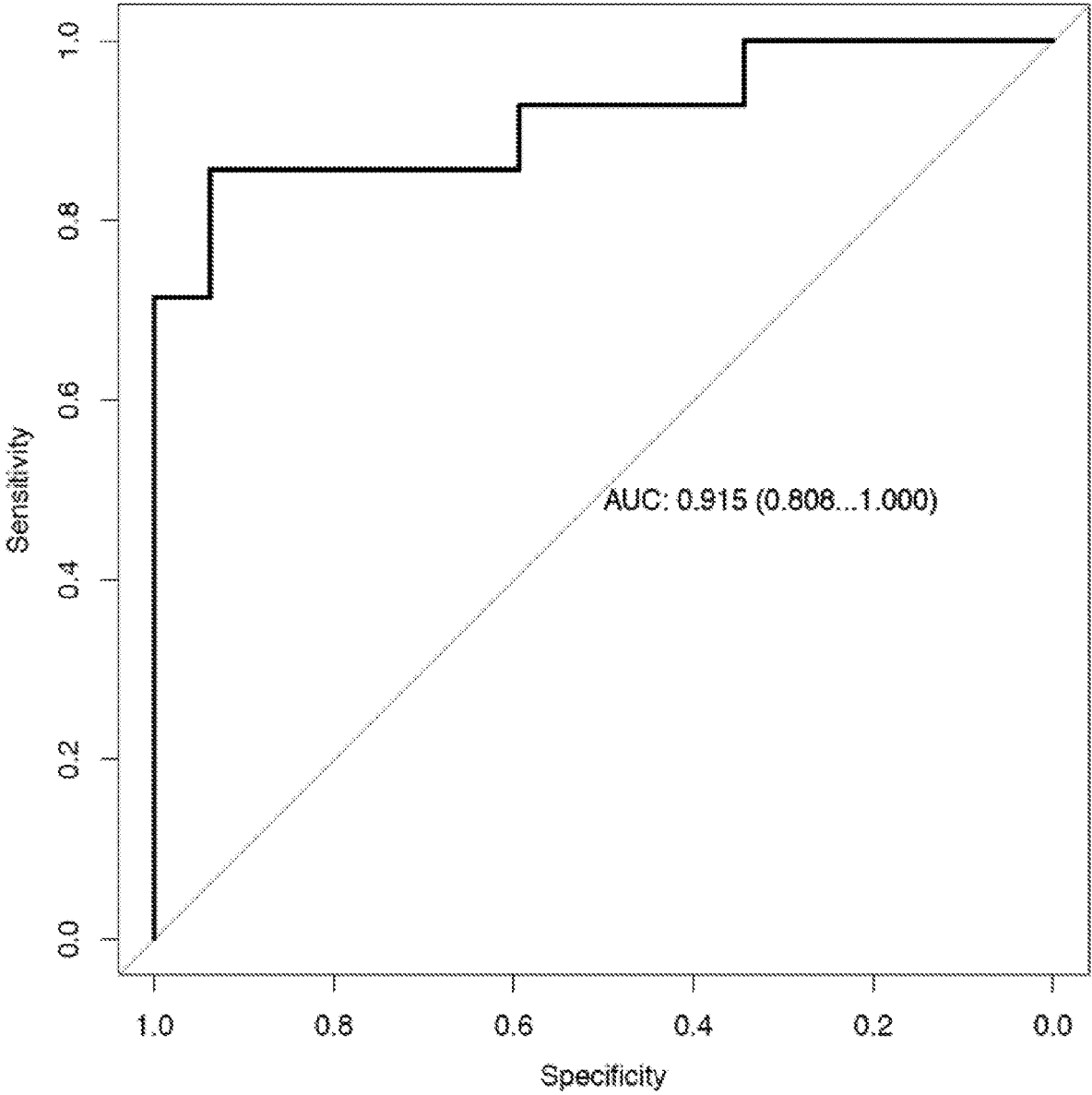


FIG. 29

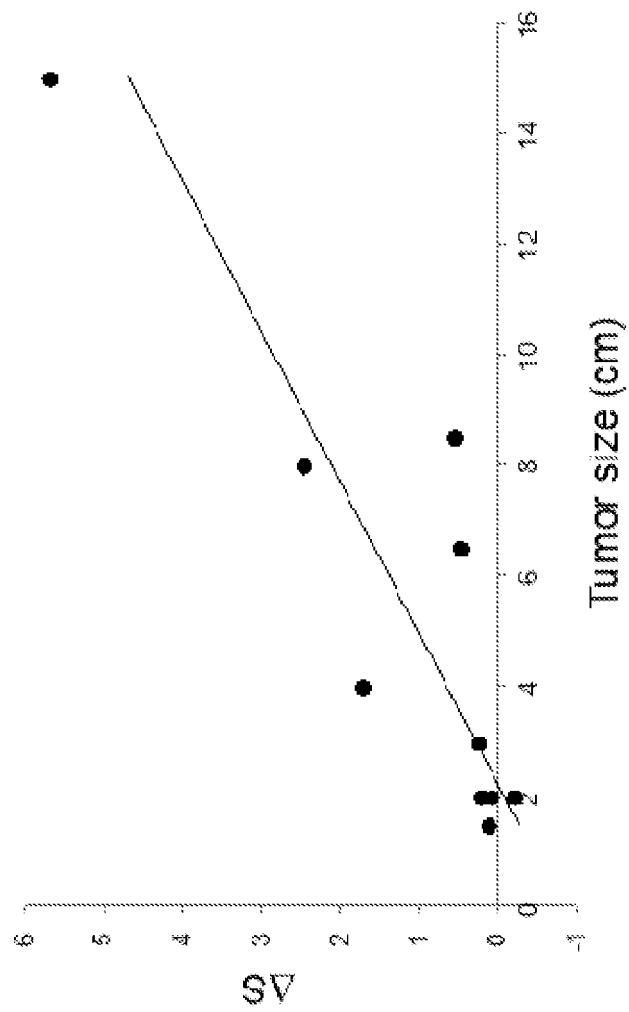


FIG. 30

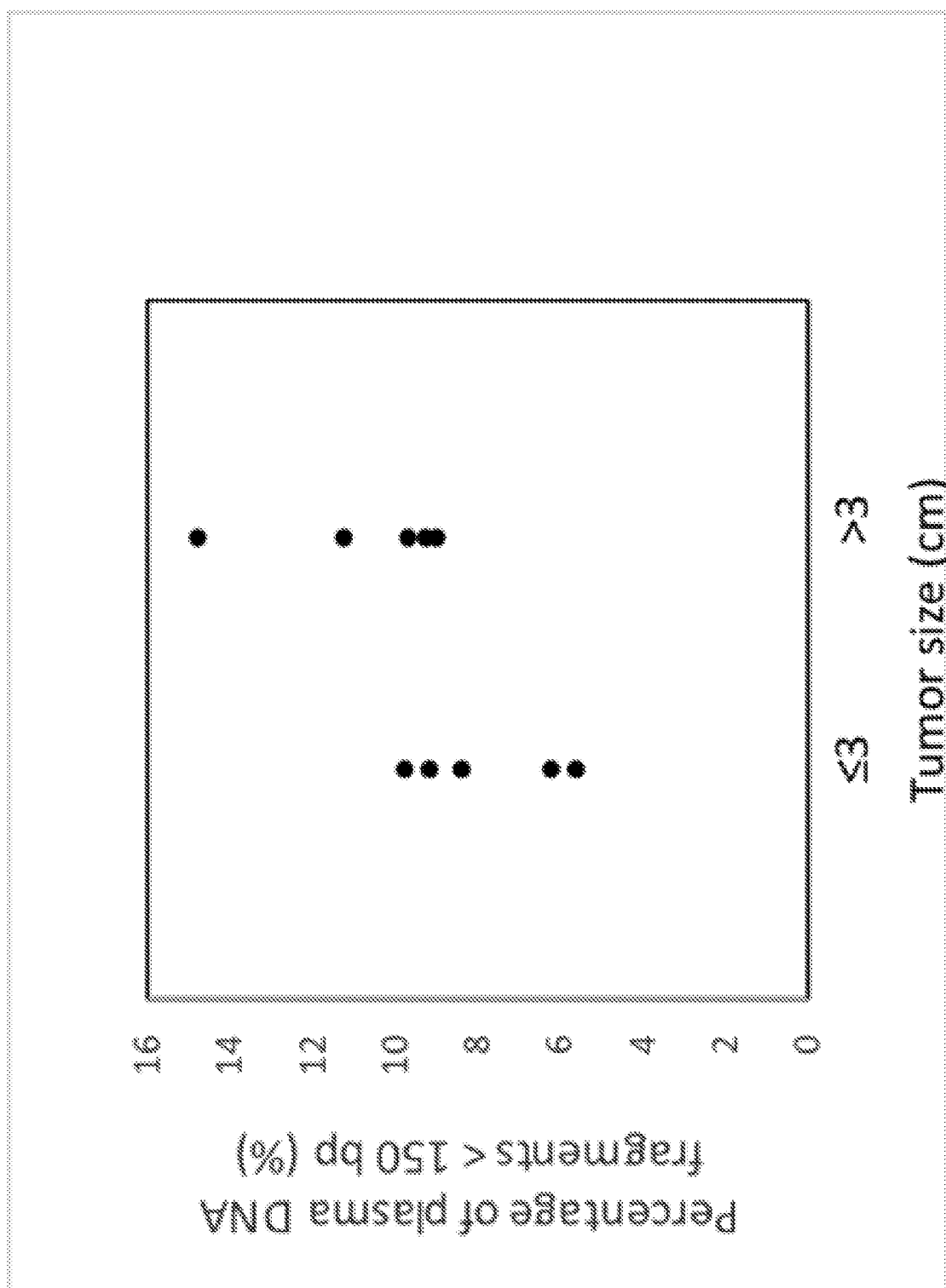


FIG. 31

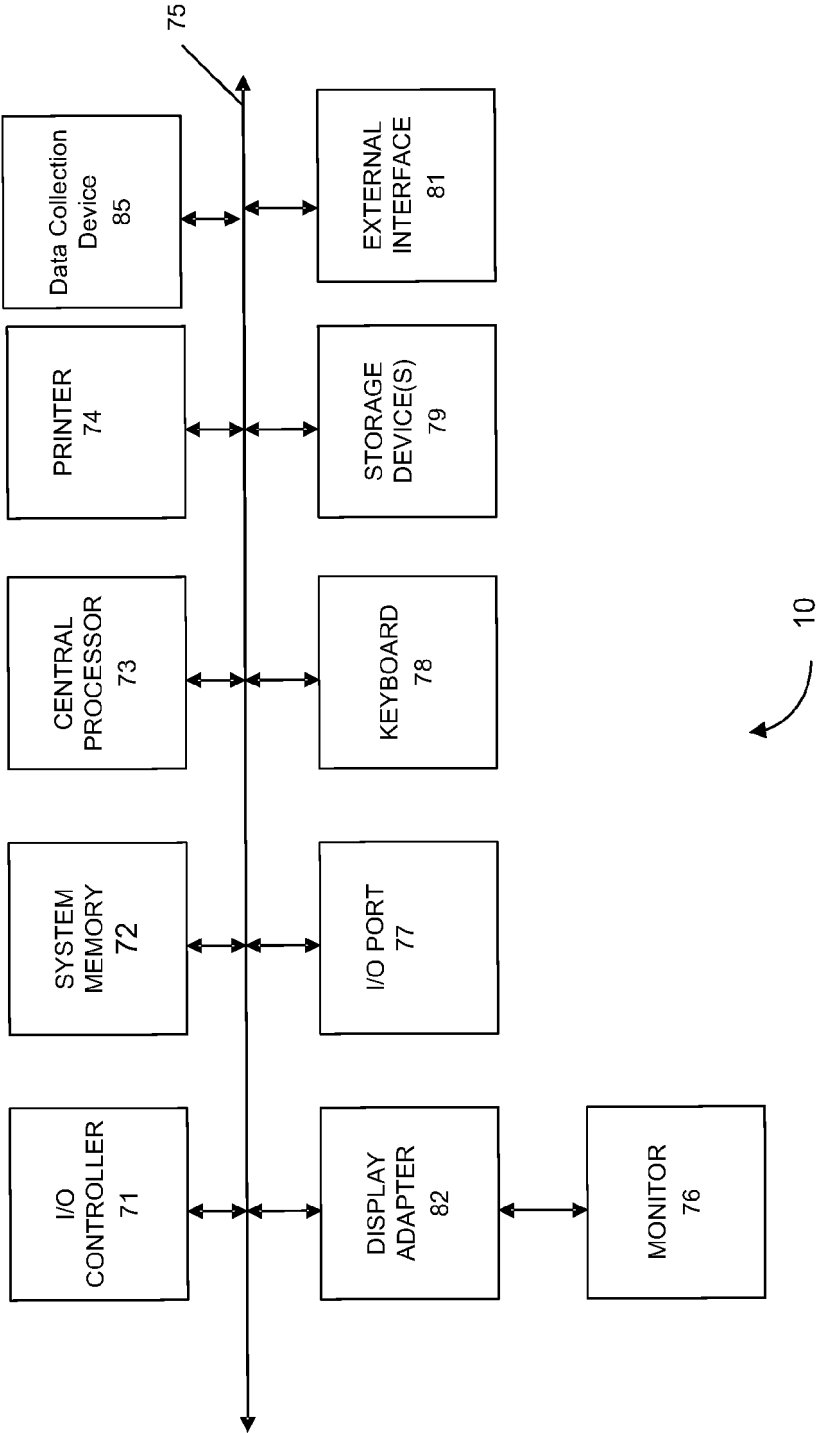


FIG. 32