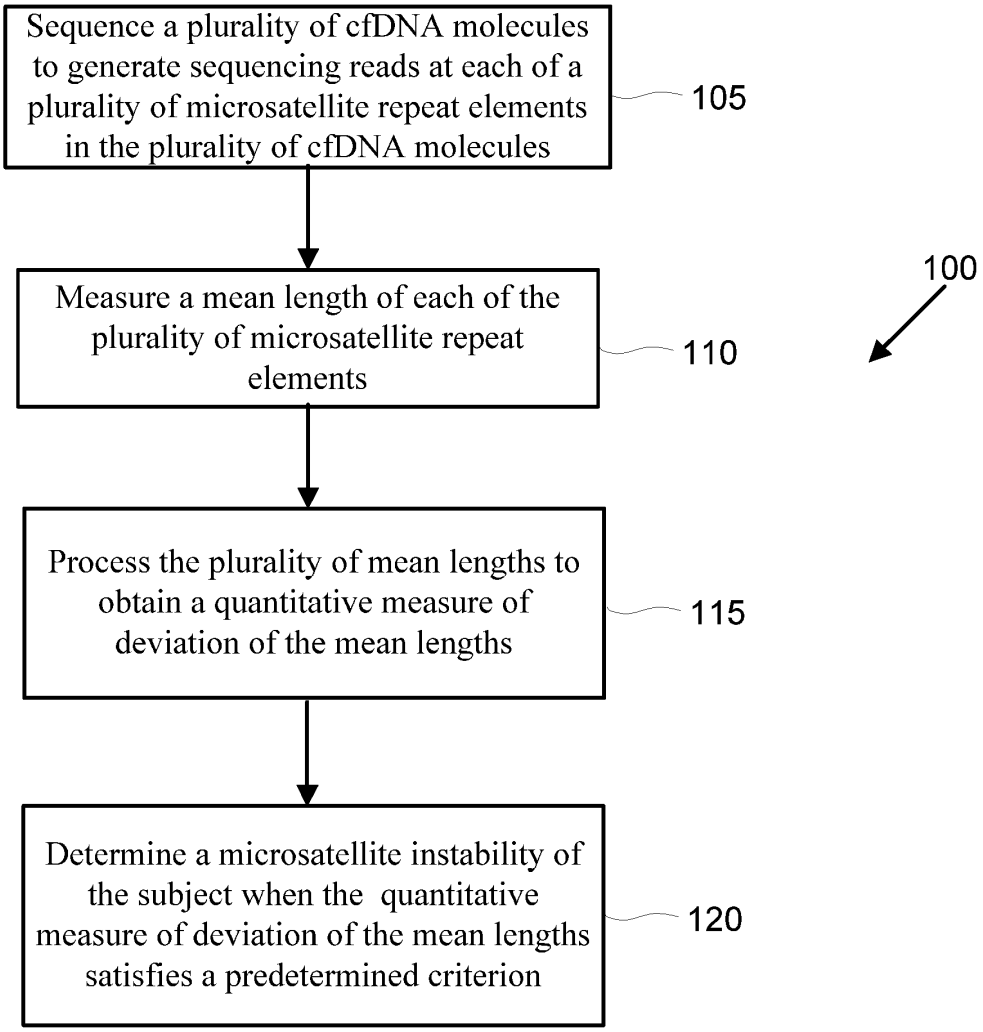
Sequence a plurality of cfDNA molecules to generate sequencing reads at each of a plurality of microsatellite repeat elements in the plurality of cfDNA molecules
105
Measure a mean length of each of the plurality of microsatellite repeat elements
110
100
Process the plurality of mean lengths to obtain a quantitative measure of deviation of the mean lengths
115
Determine a microsatellite instability of the subject when the quantitative measure of deviation of the mean lengths satisfies a predetermined criterion
120

FIG. 1

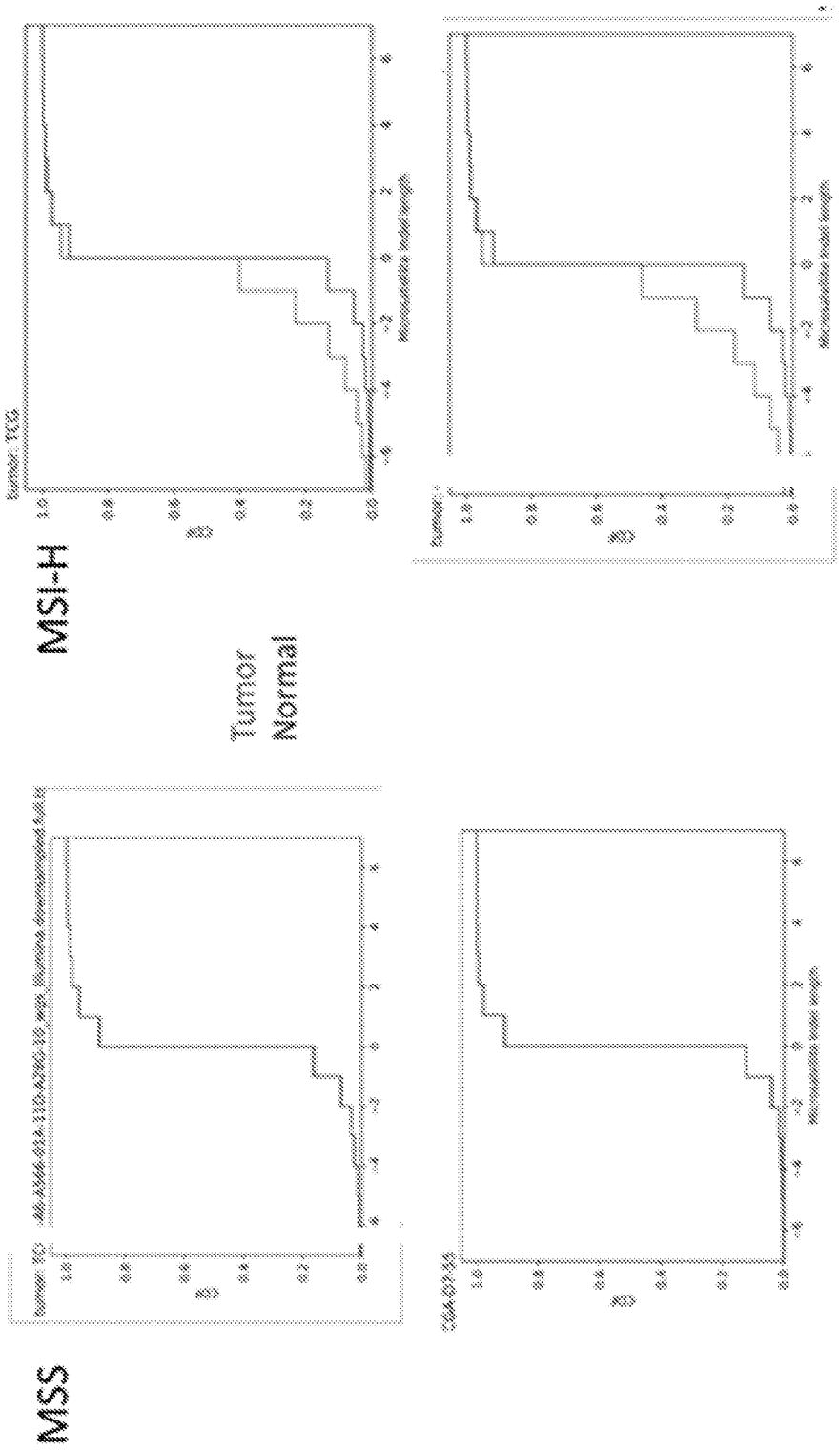

FIG. 2

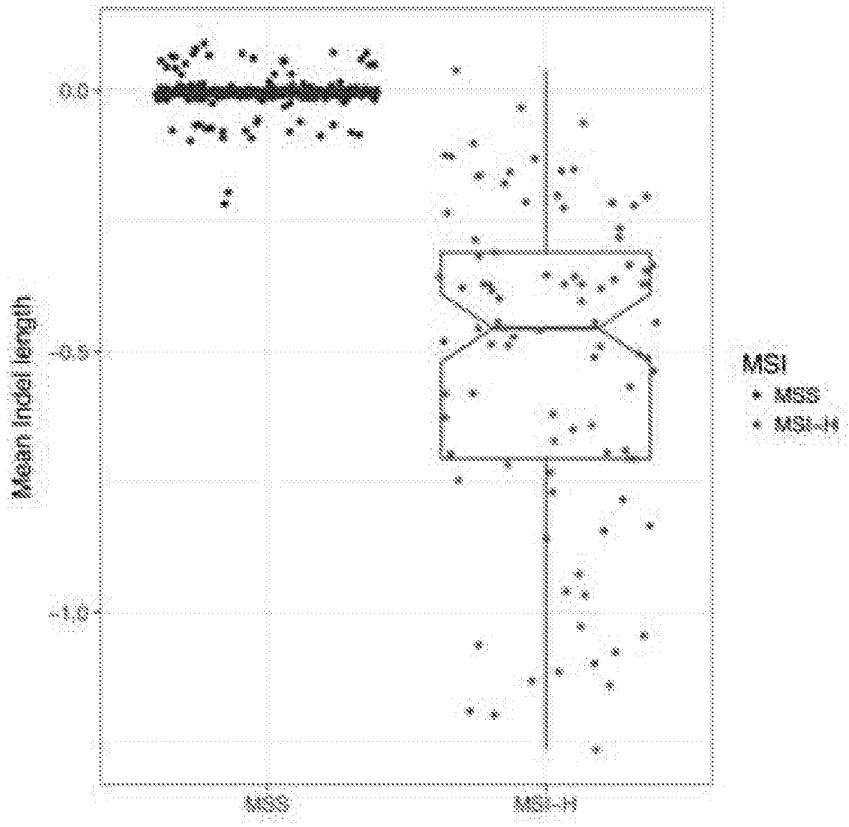

FIG. 3

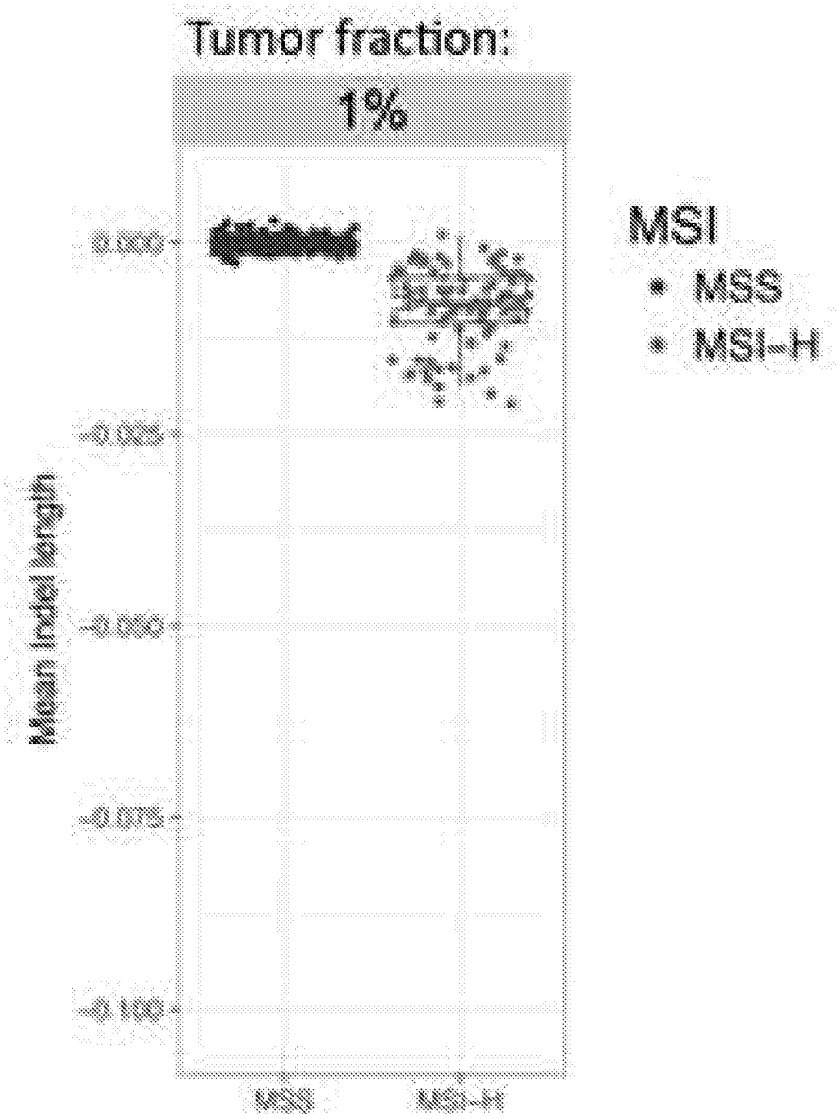
Tumor fraction:
1%
MSI
MSS
MSI-H
Mean indel length
0.000
-0.025
-0.050
-0.075
-0.100
MSS
MSI-H

FIG. 4

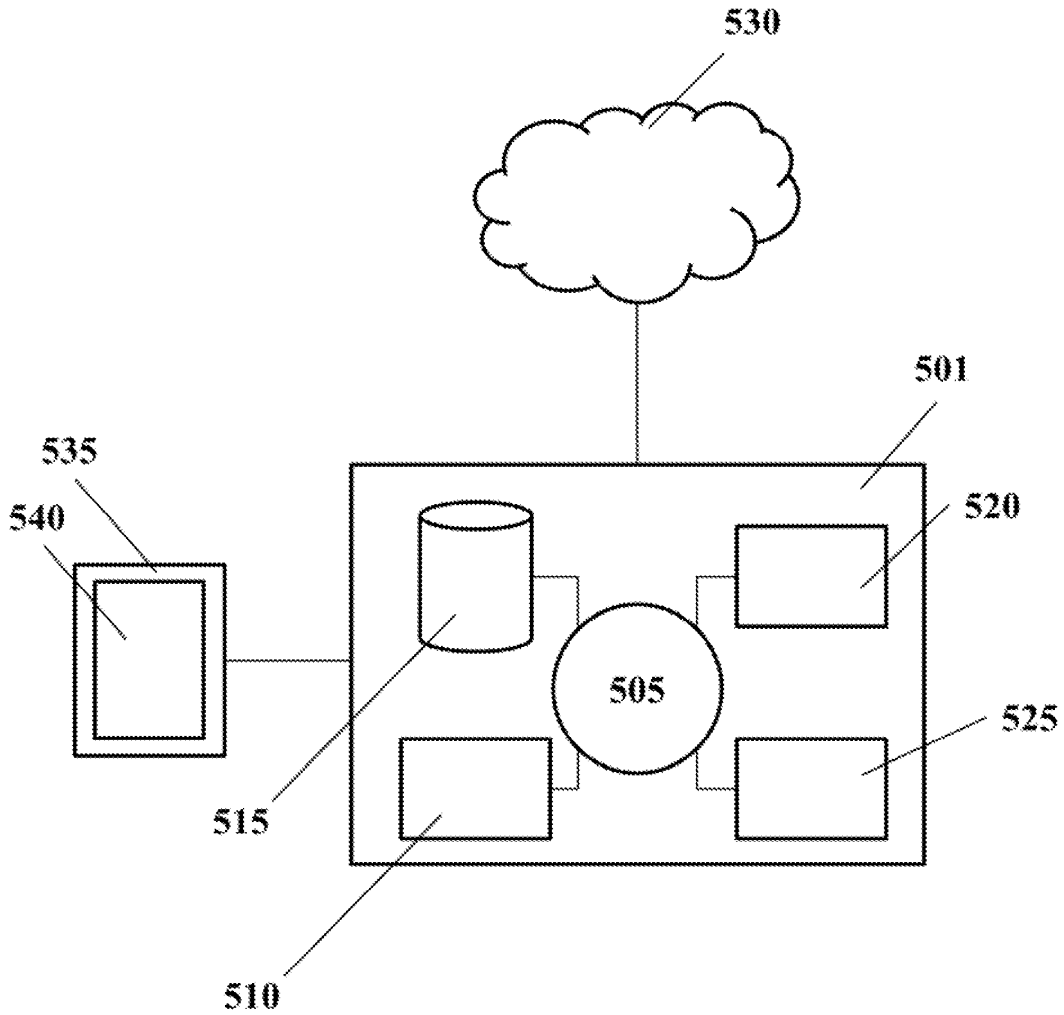

FIG. 5