

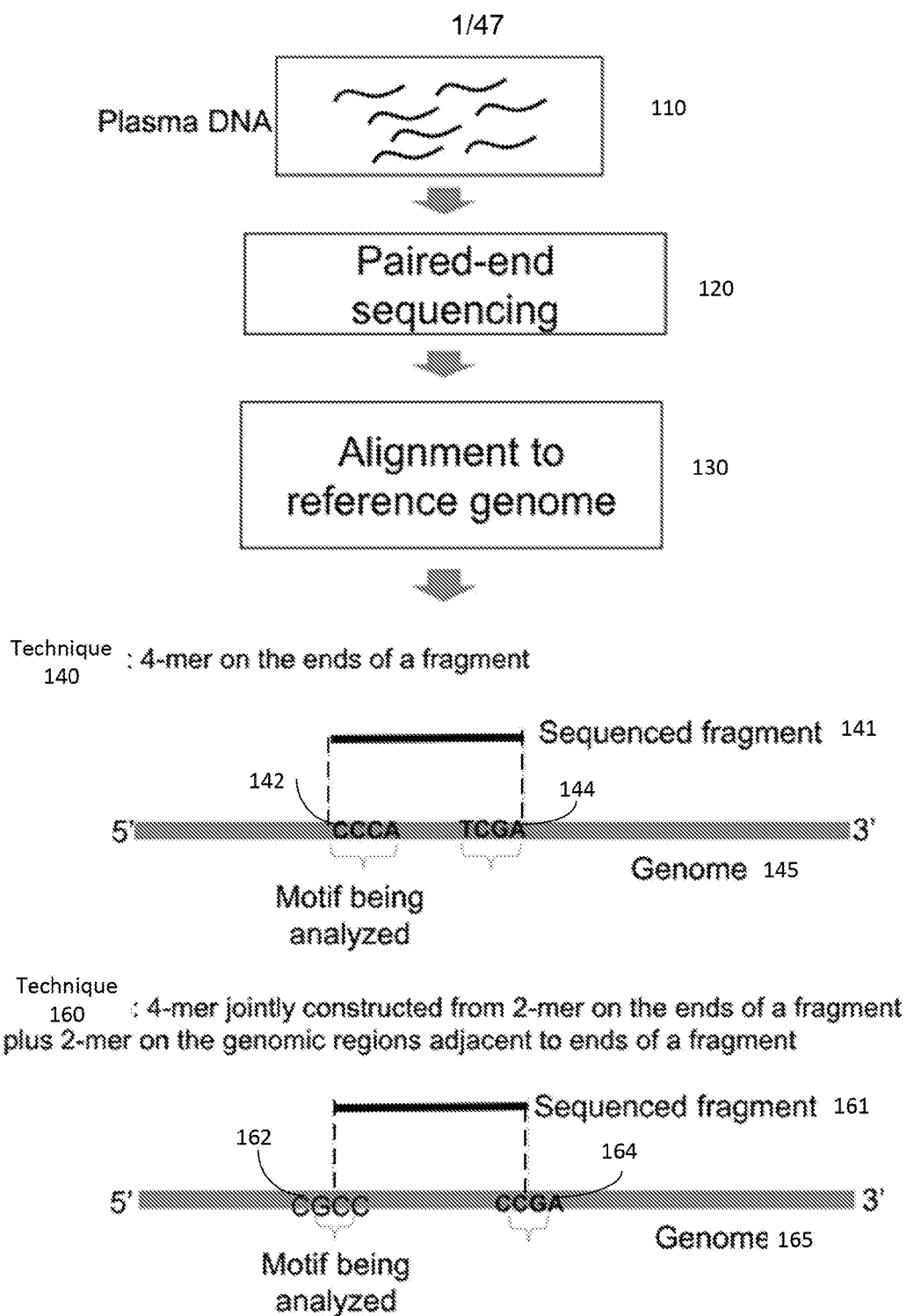


FIG. 1

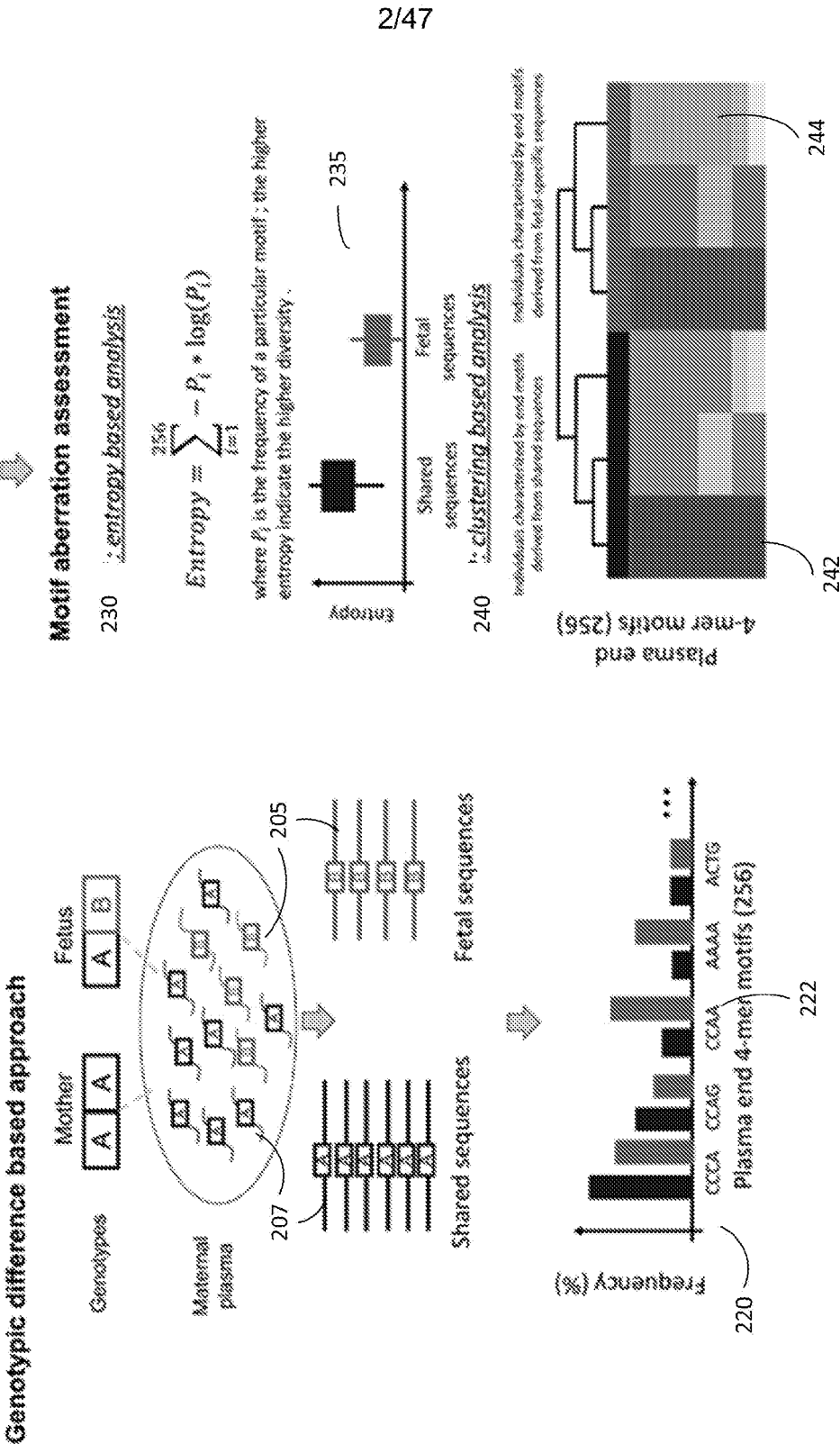


FIG. 2

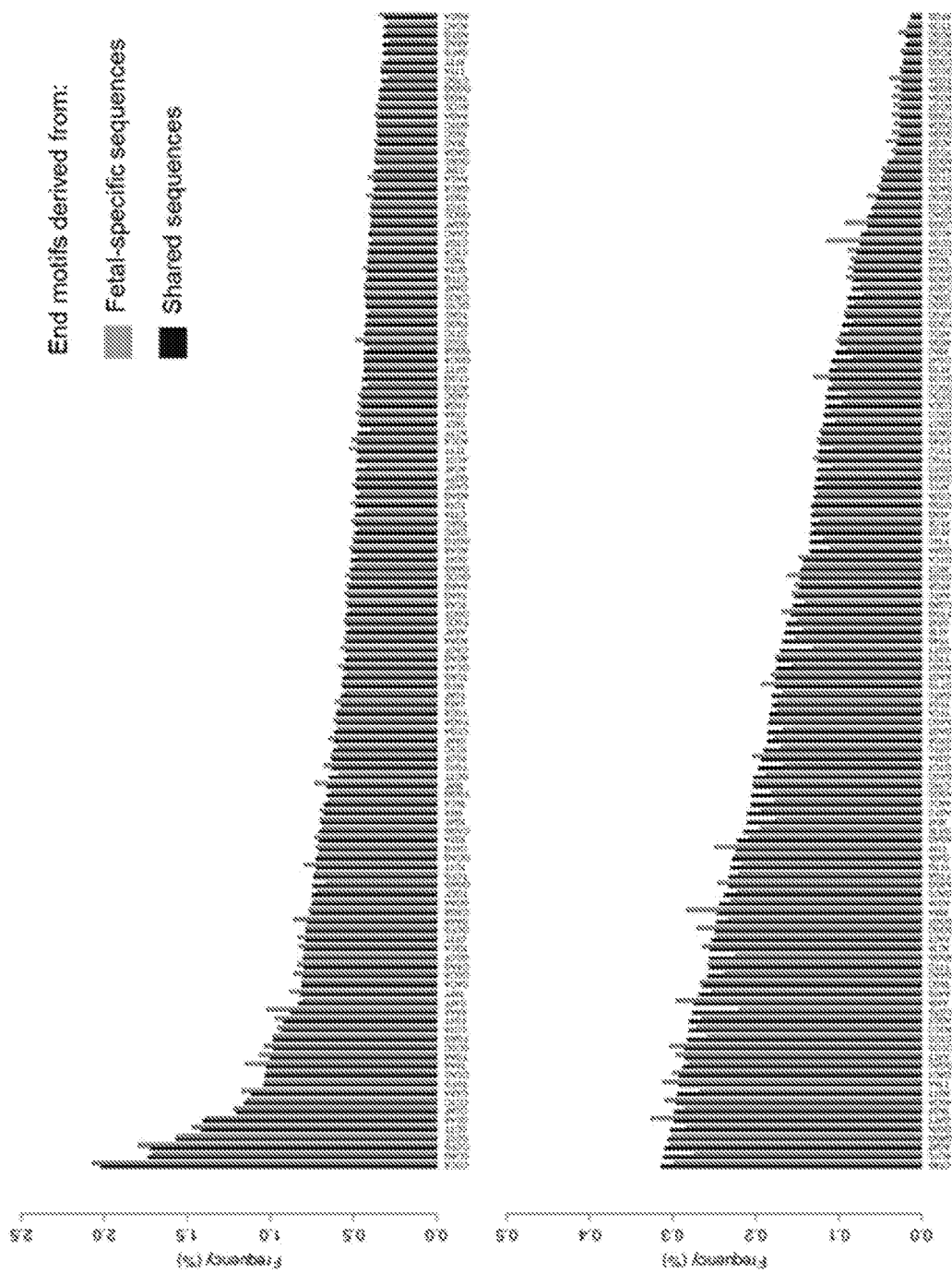


FIG. 3

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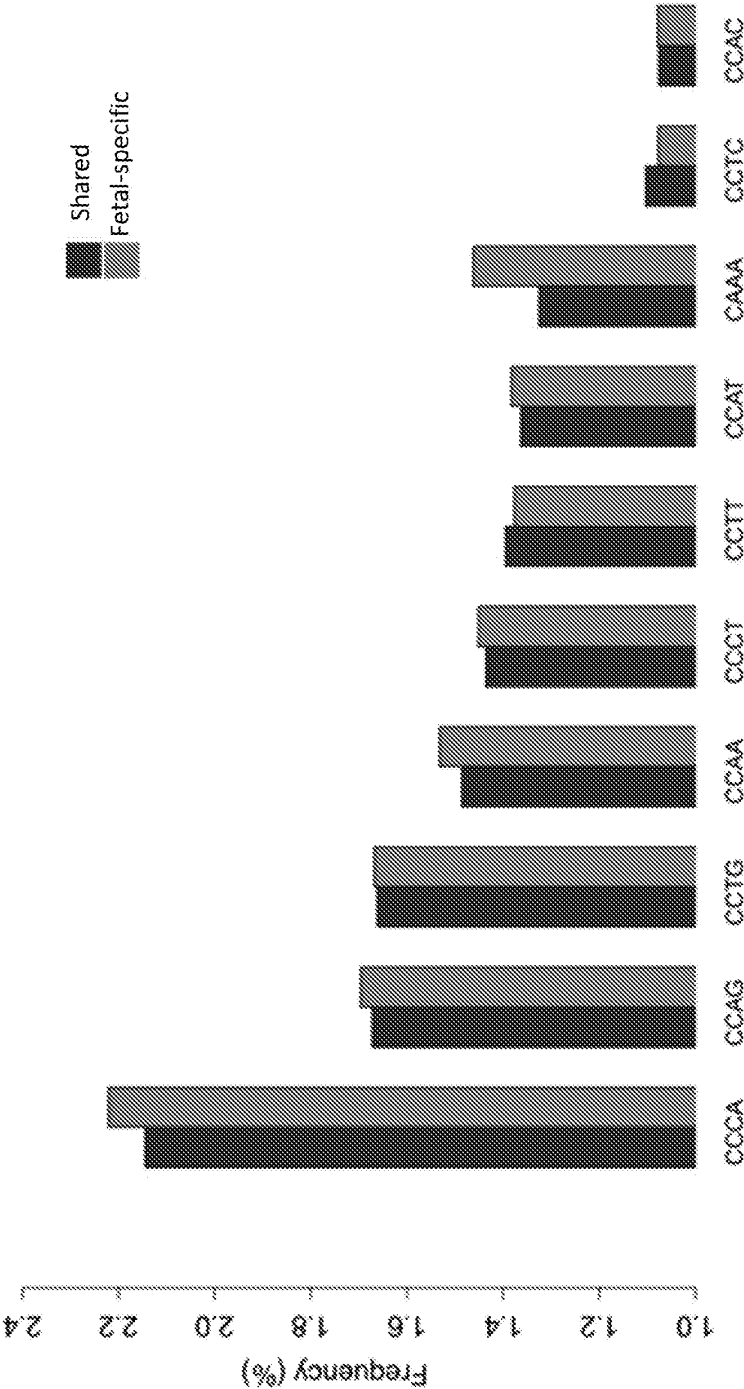


FIG. 4

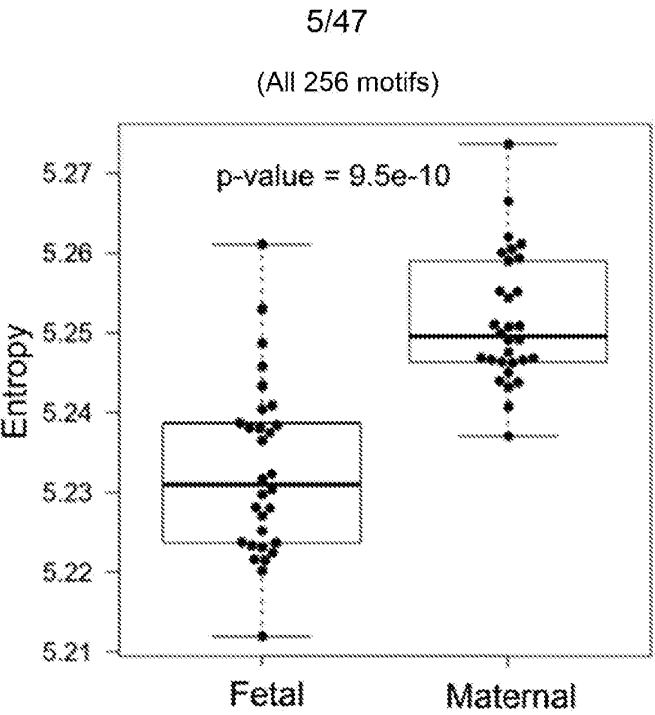


FIG. 5A

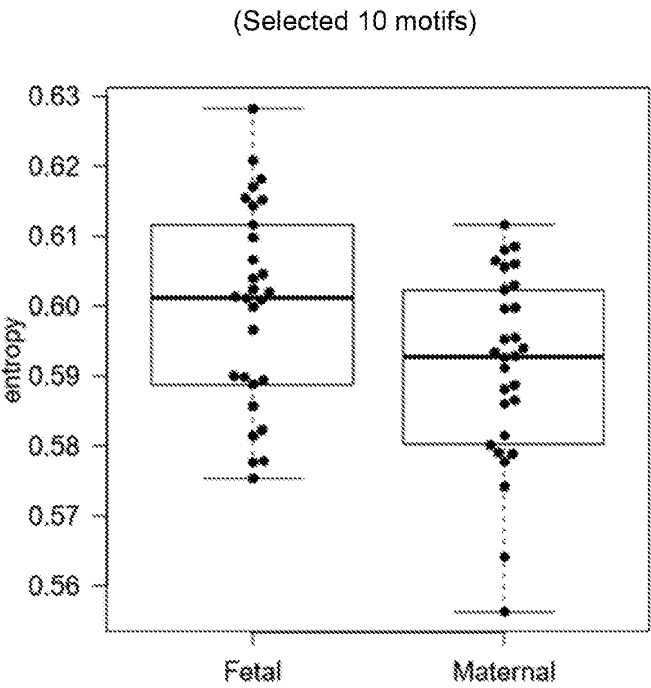
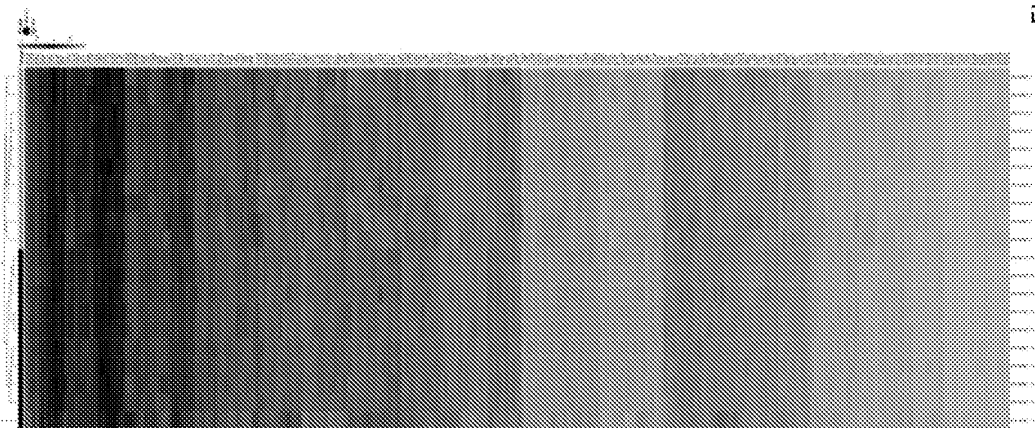
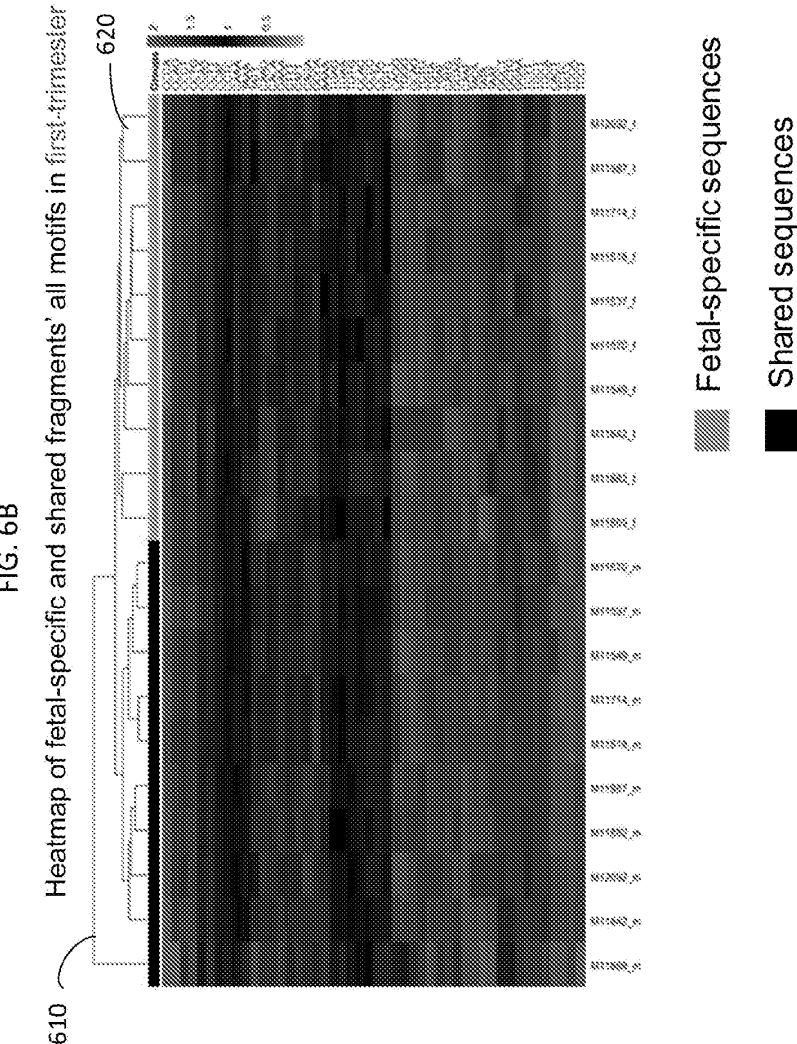


FIG. 5B



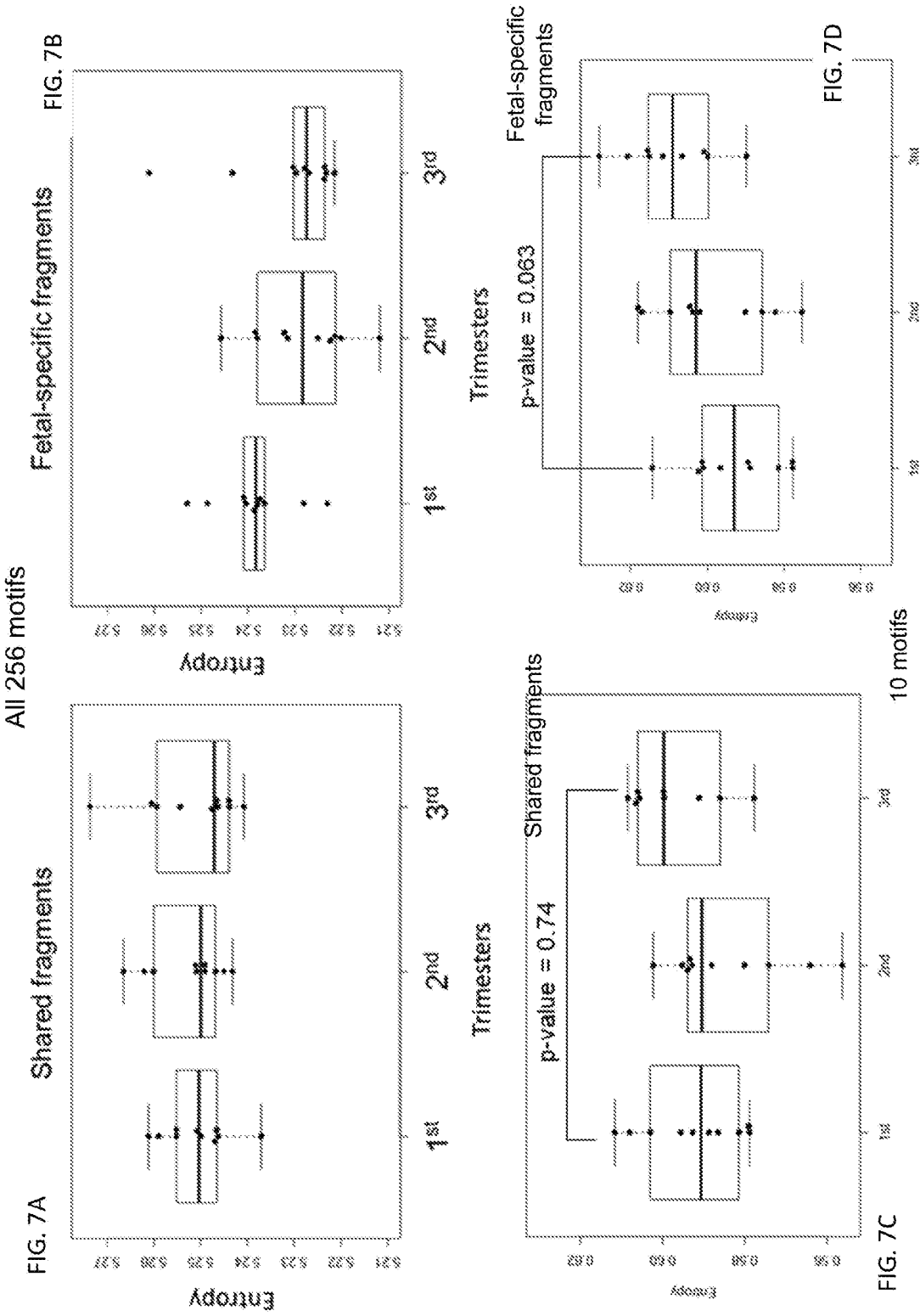


FIG. 8A Entropy with all fragments

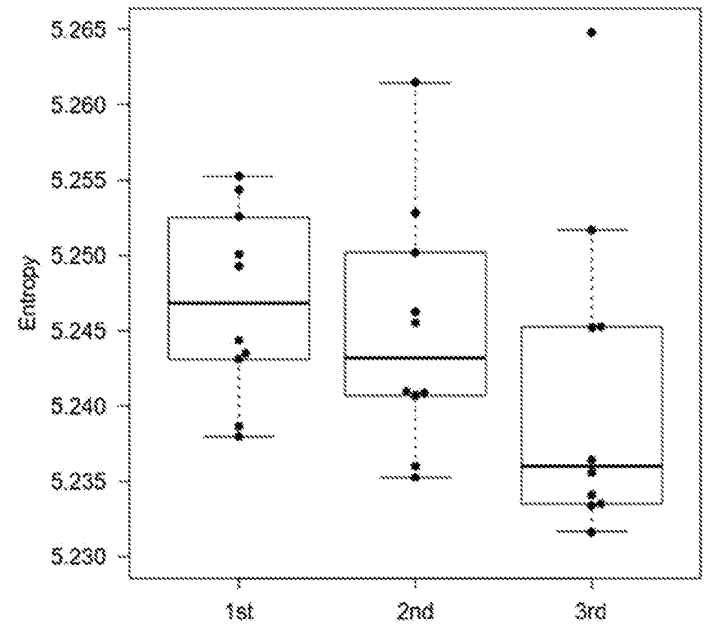
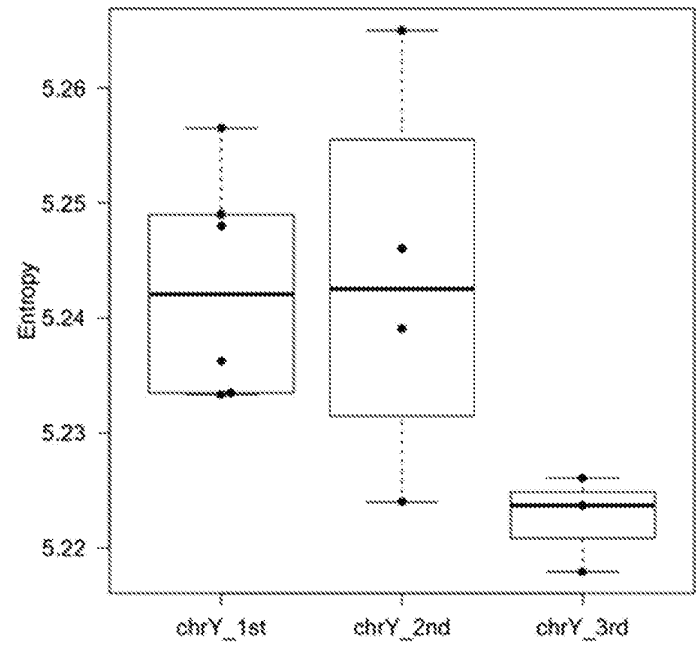


FIG. 8B Entropy of Y chromosome



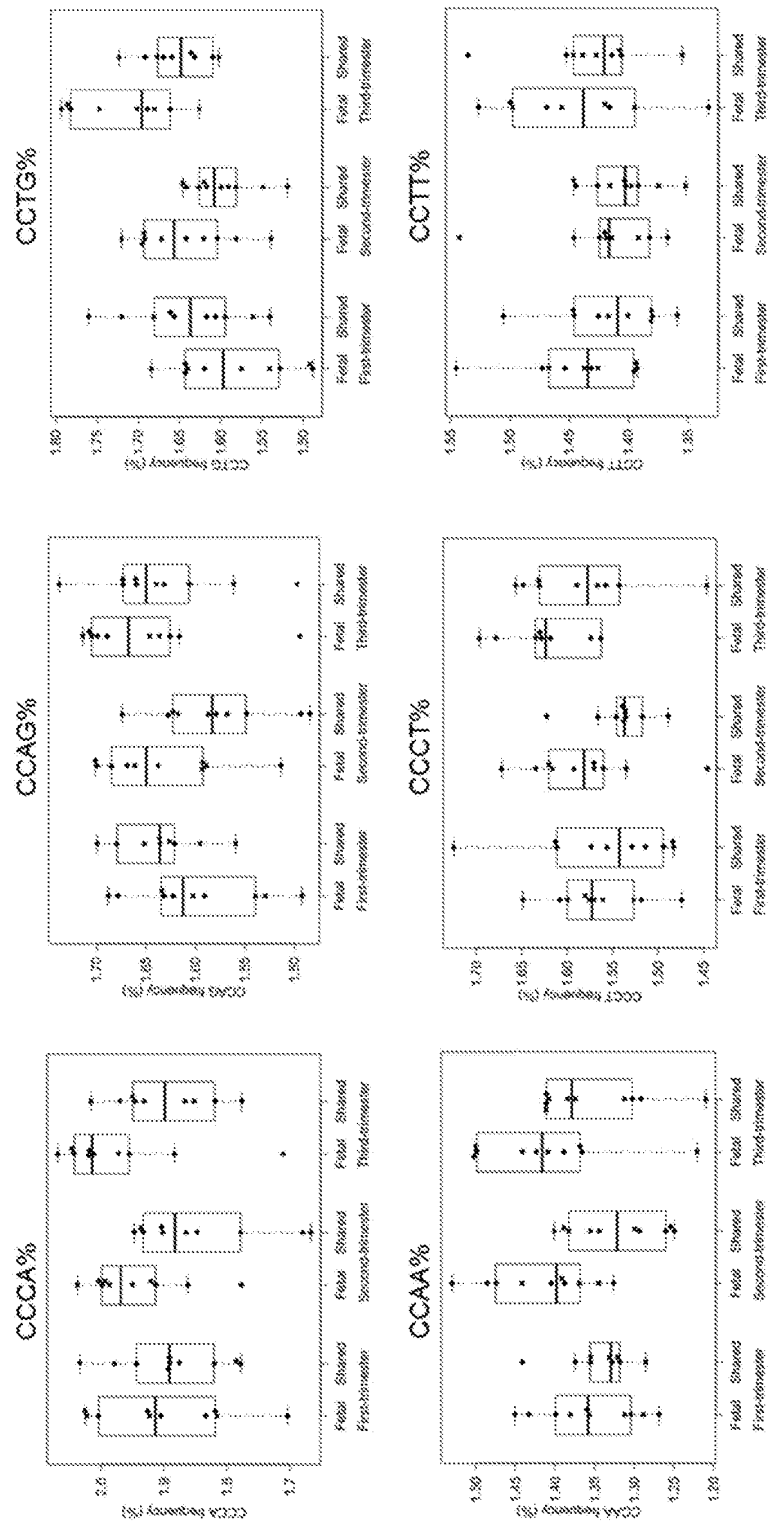


FIG. 9

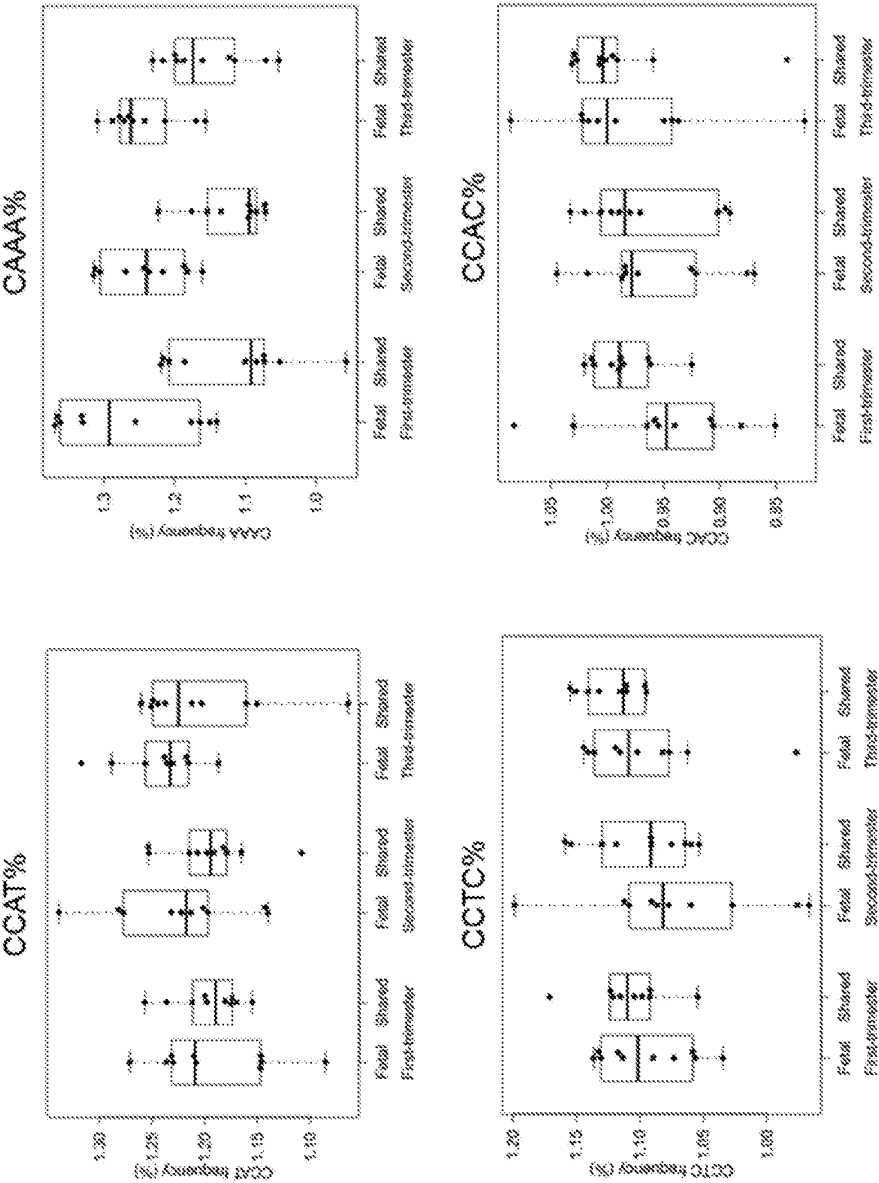


FIG. 10

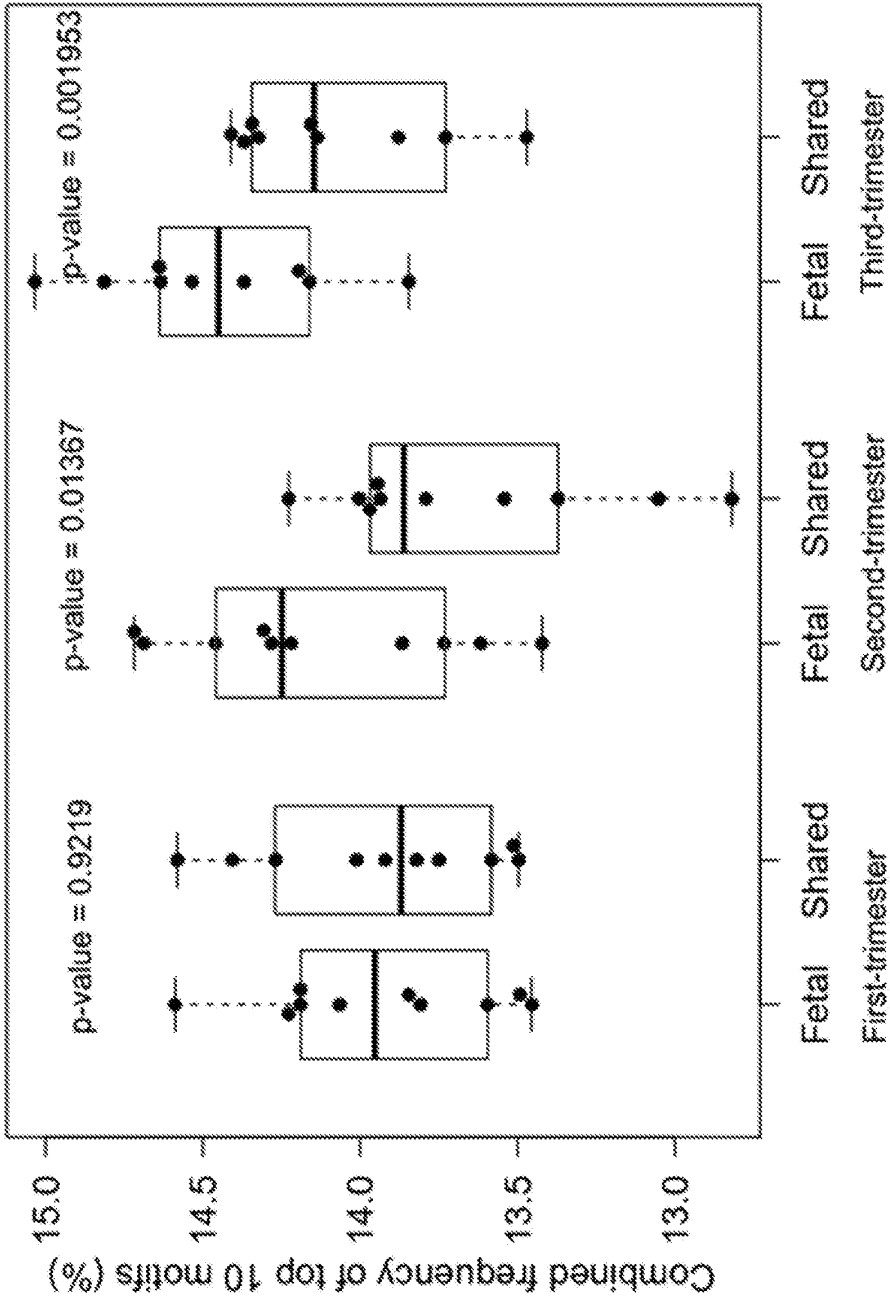
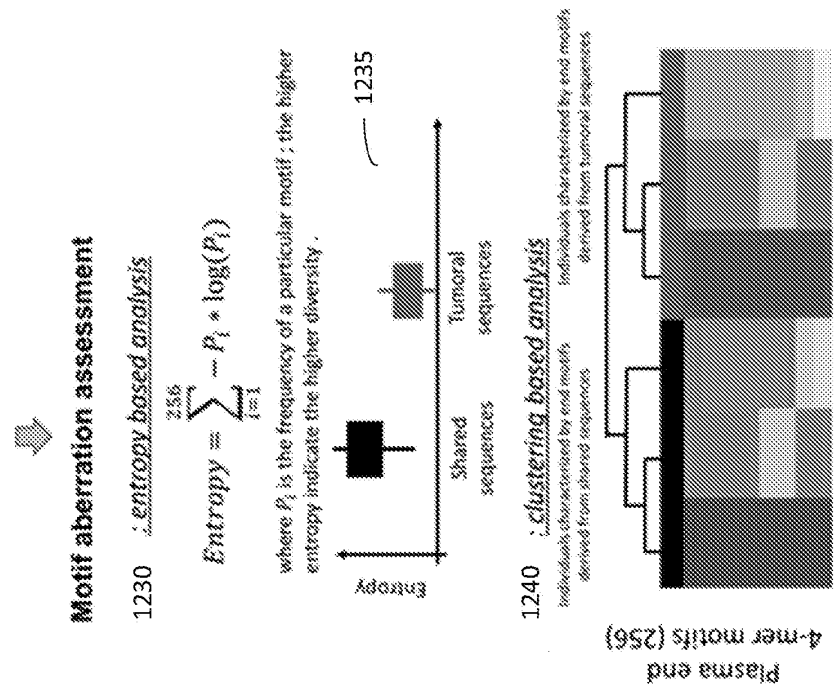


FIG. 11



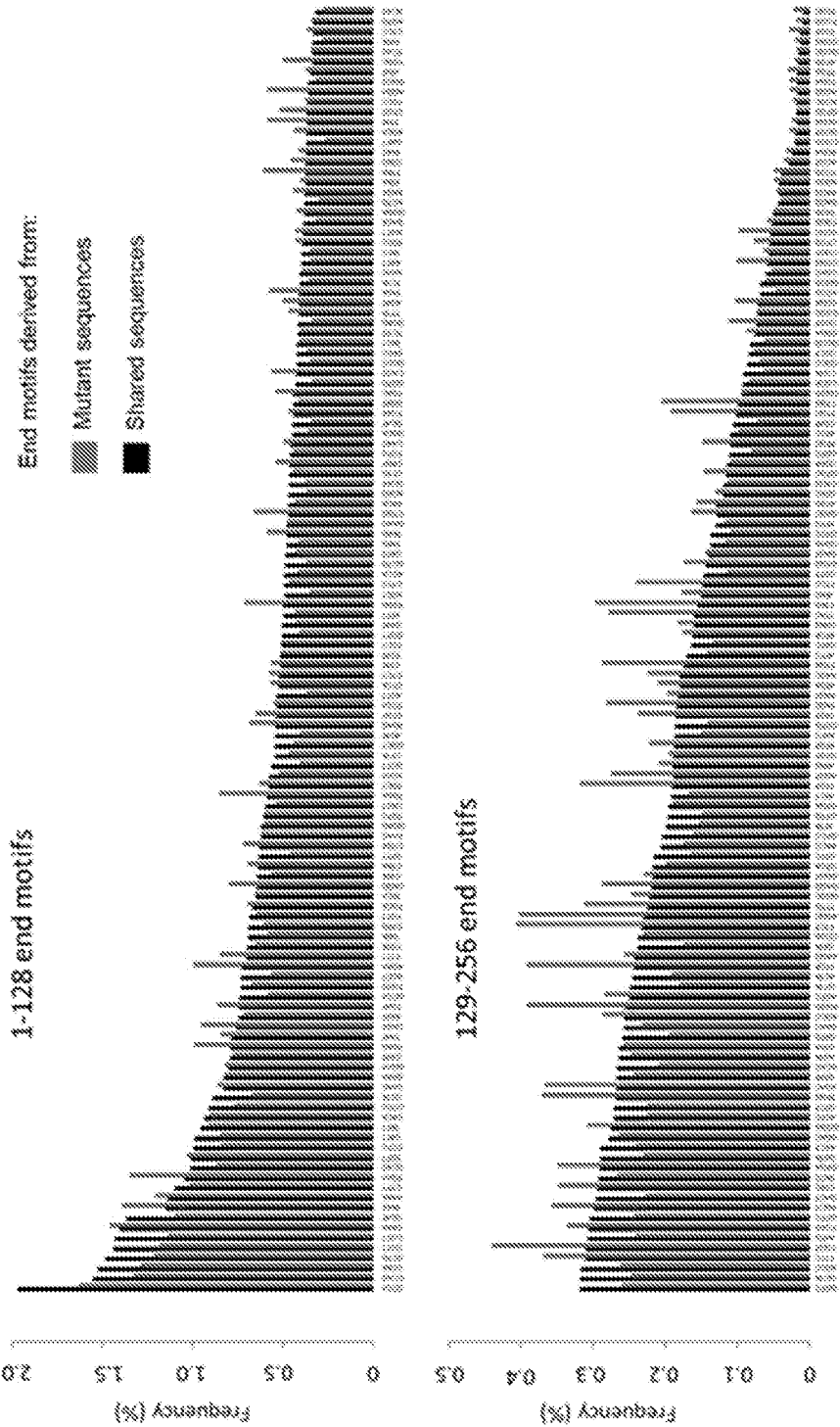


FIG. 13

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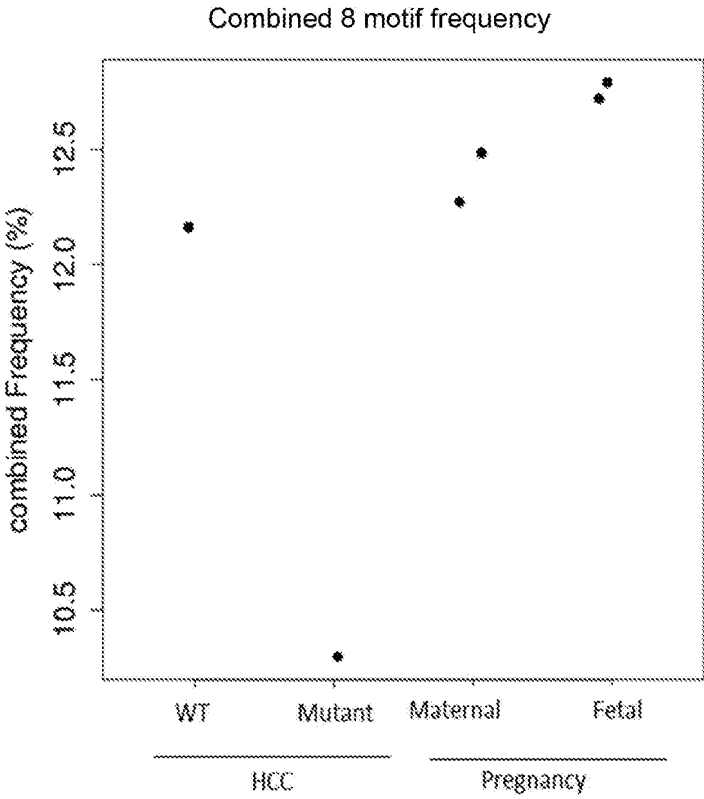
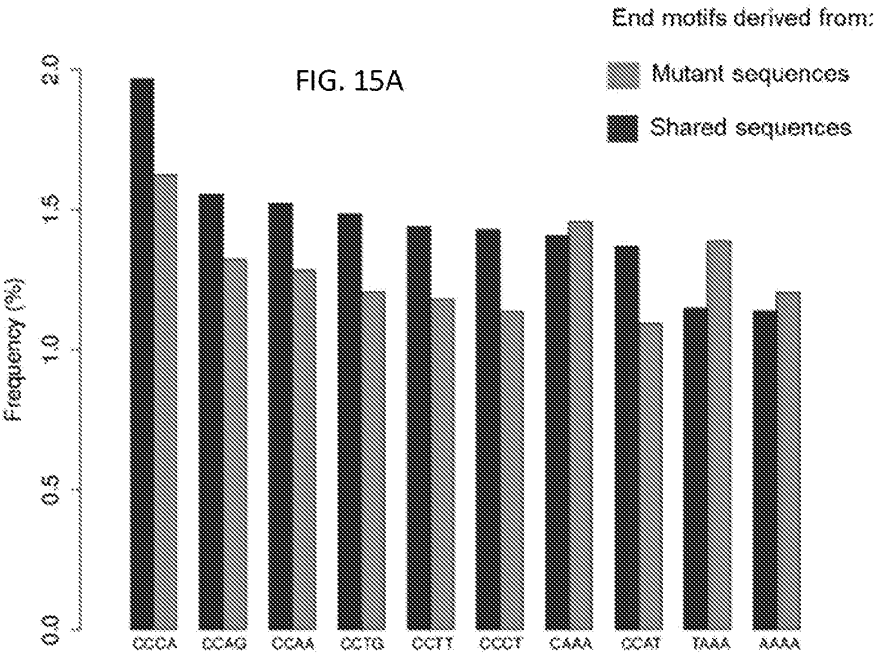


FIG. 15B

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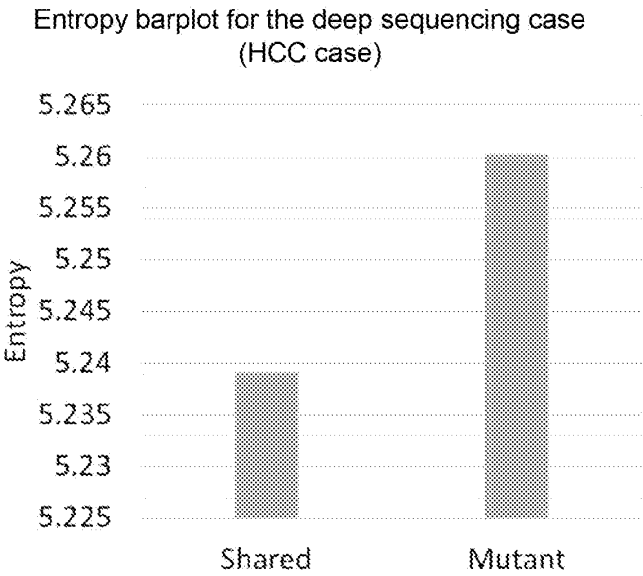


FIG. 16A

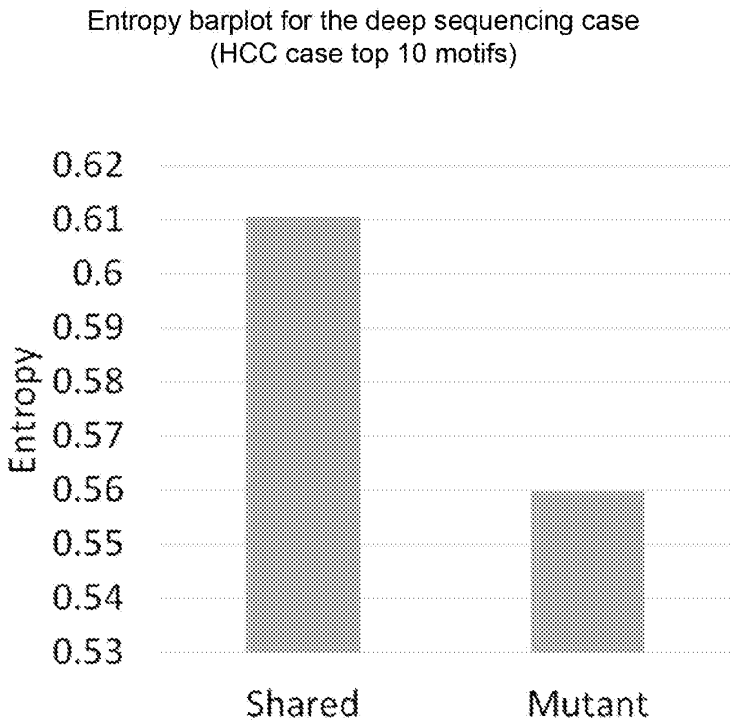


FIG. 16B

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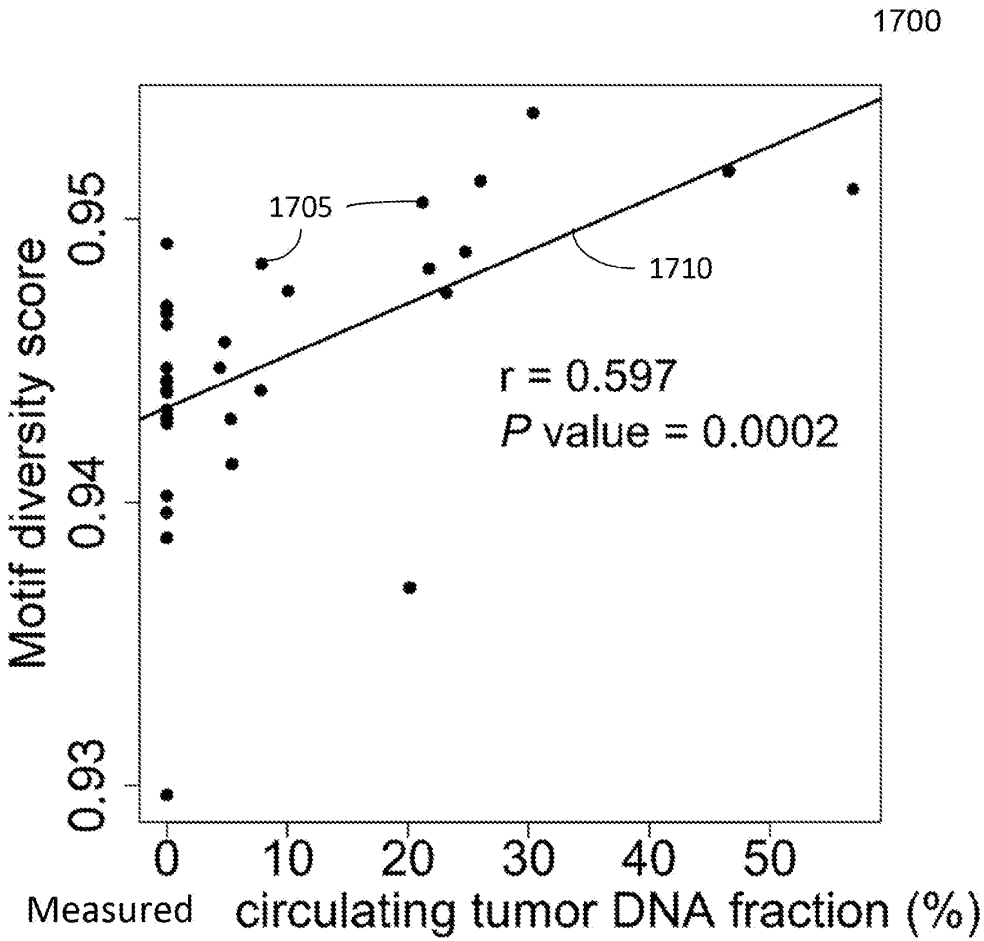
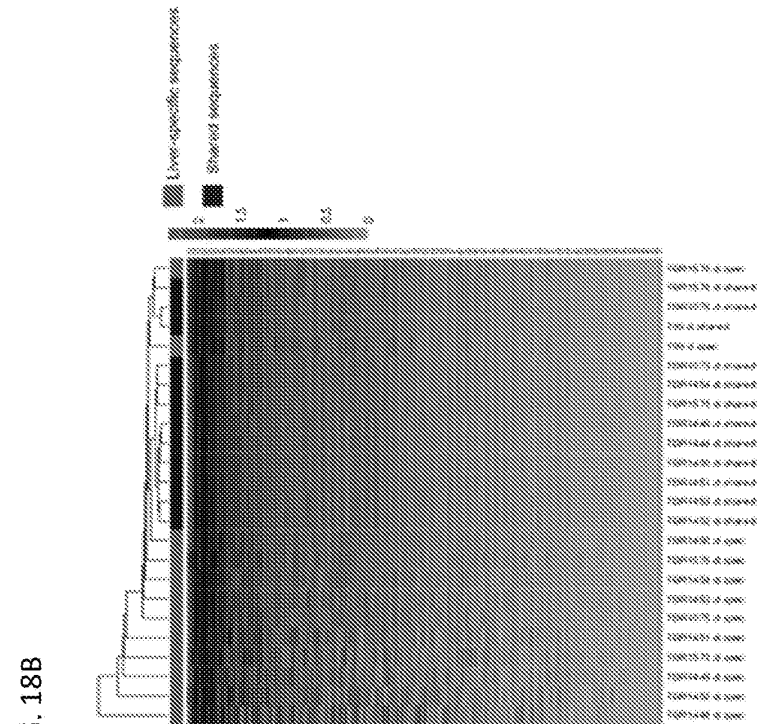
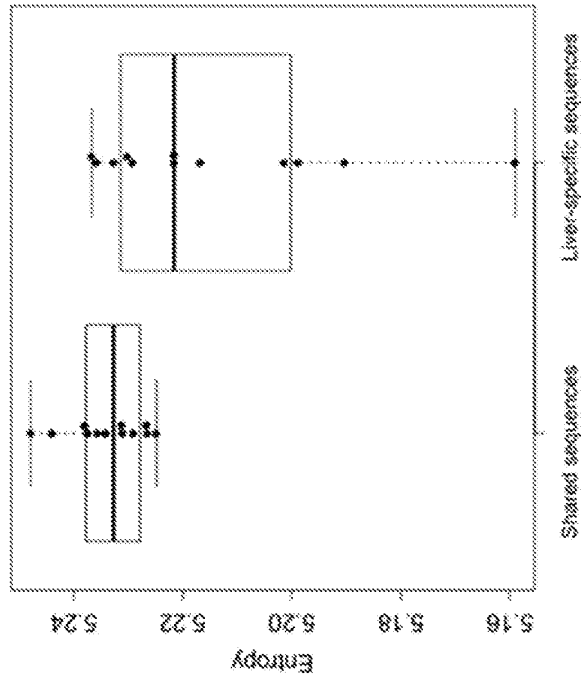


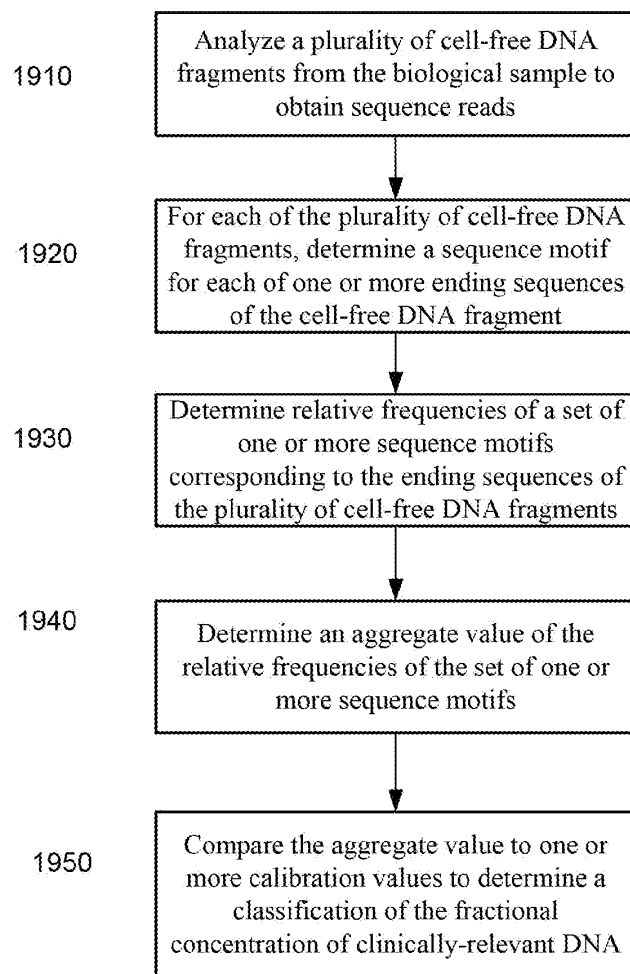
FIG. 17

FIG. 18A

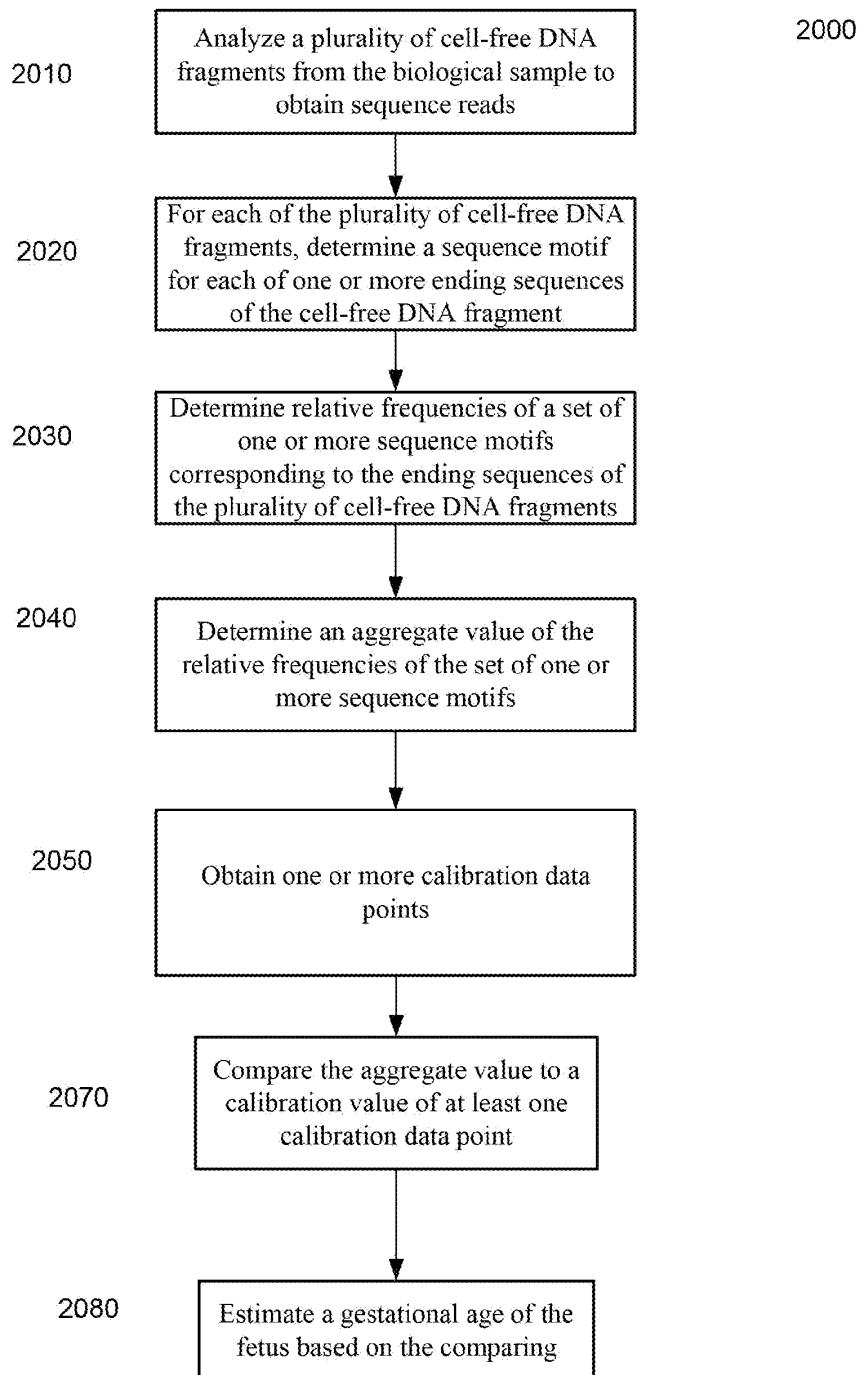


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**FIG. 19**

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**FIG. 20**

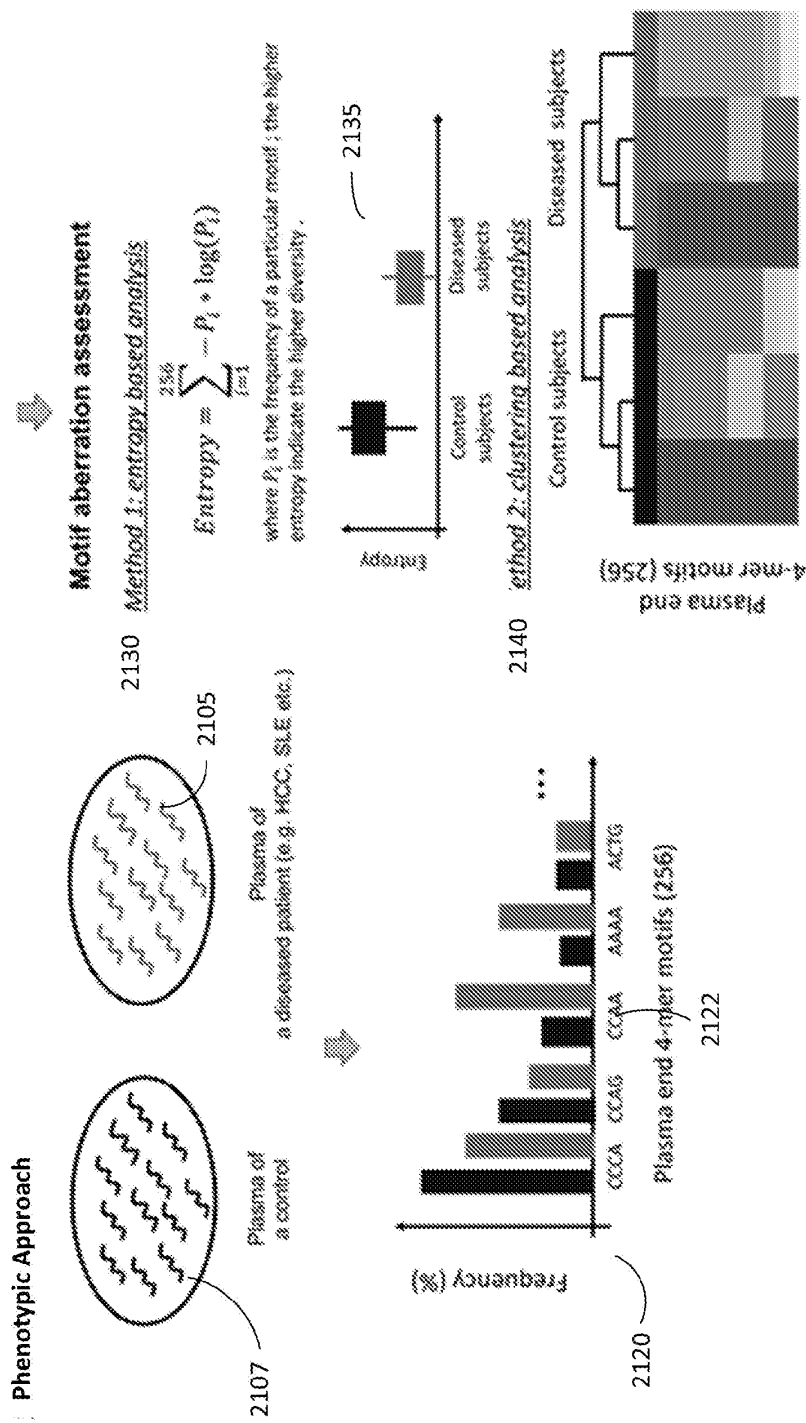


FIG. 21

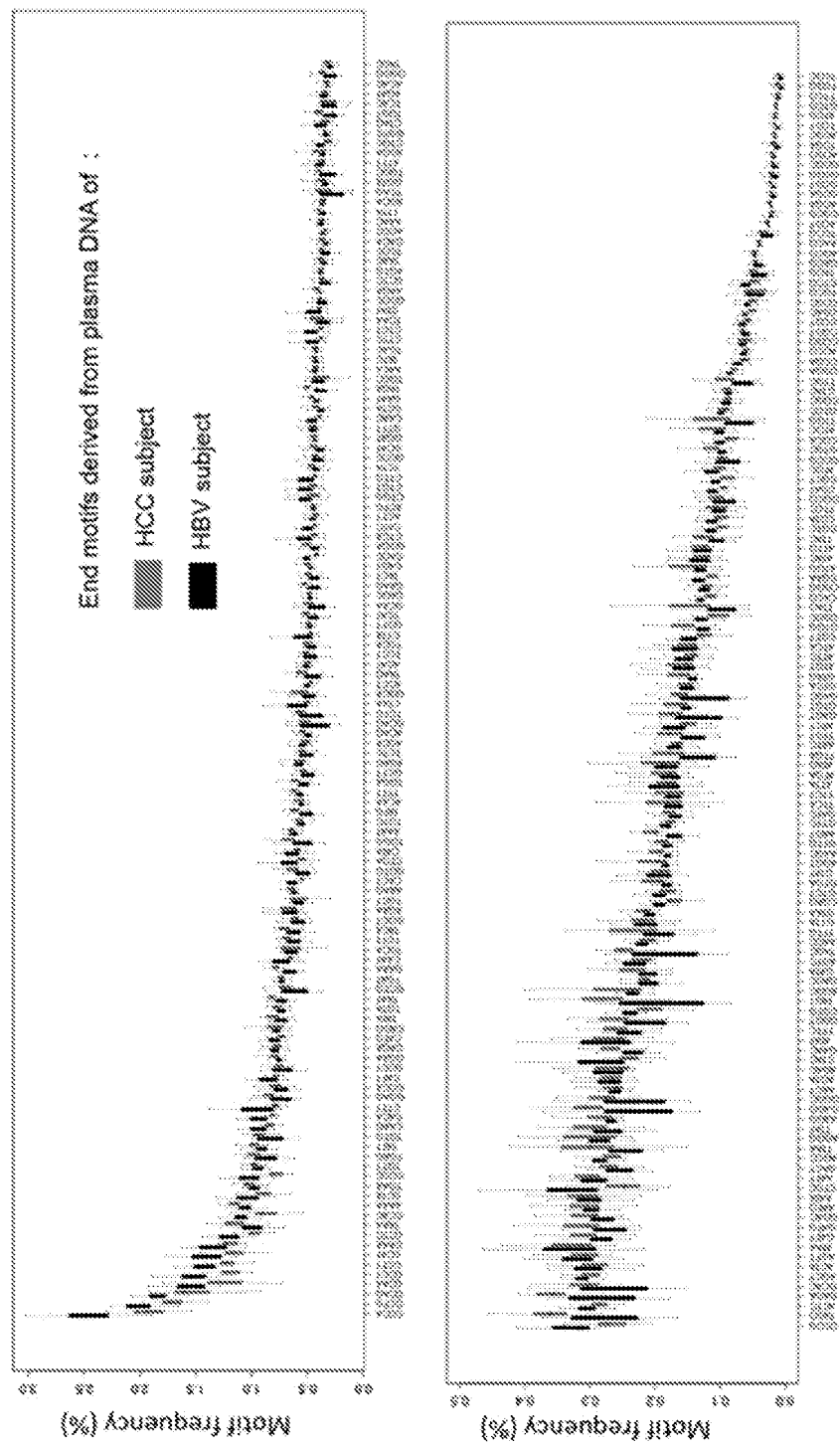


FIG. 22

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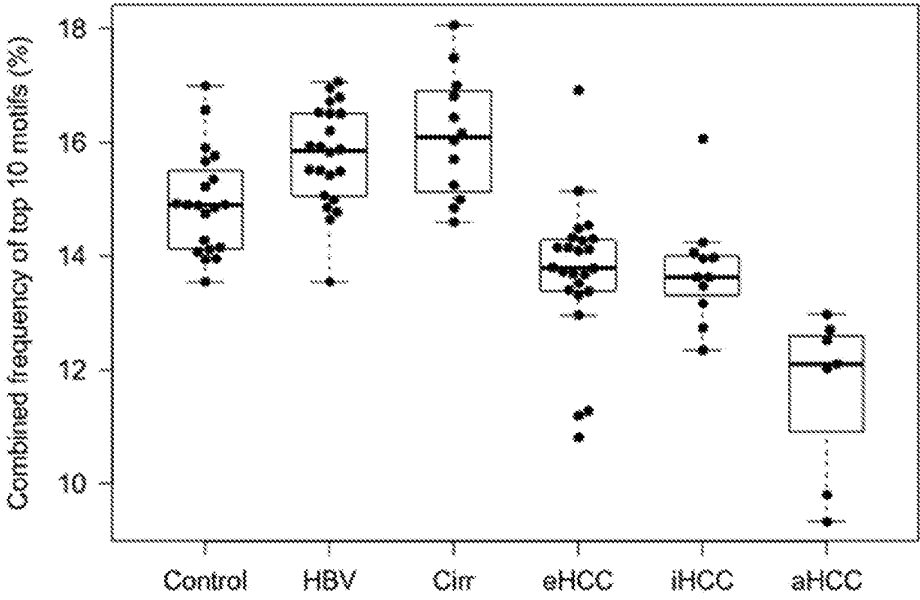


FIG. 23A

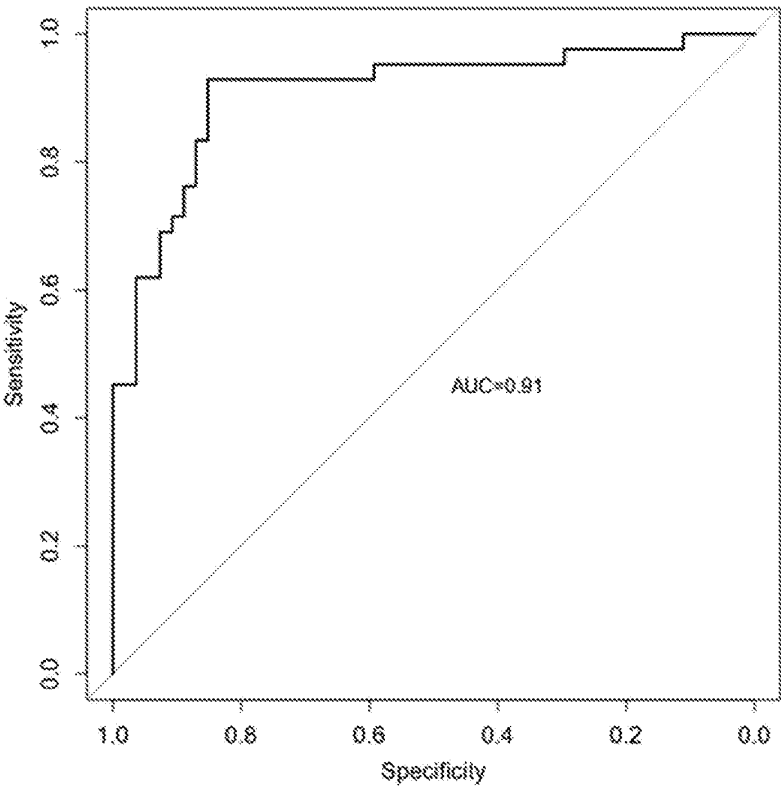


FIG. 23B

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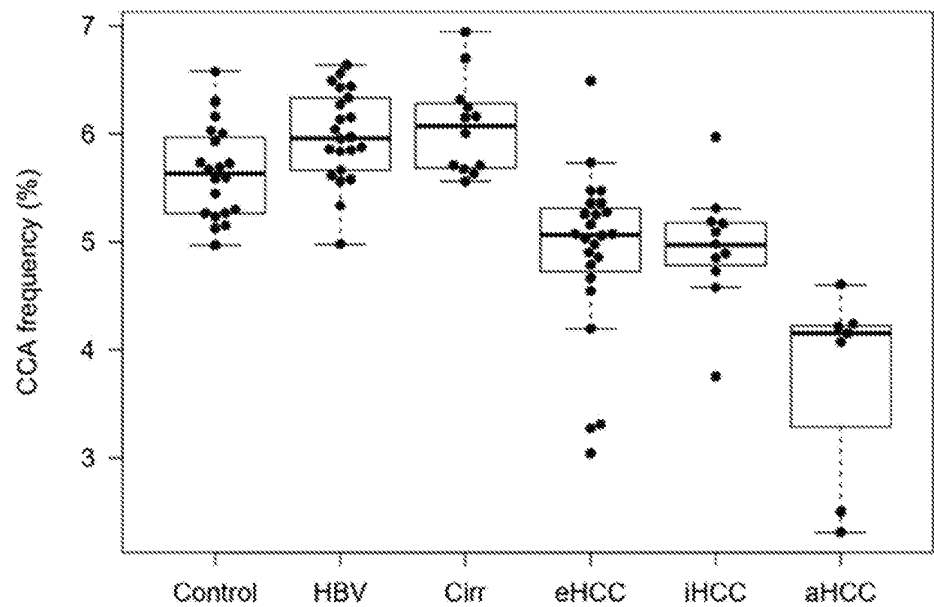


FIG. 24A

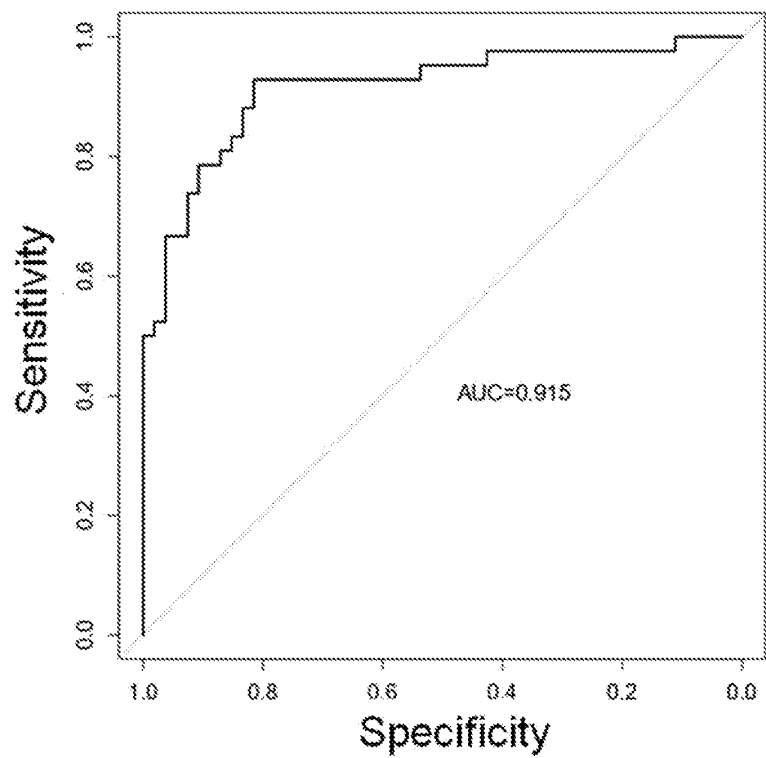


FIG. 24B

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FIG. 25A All 256 4-mer motifs

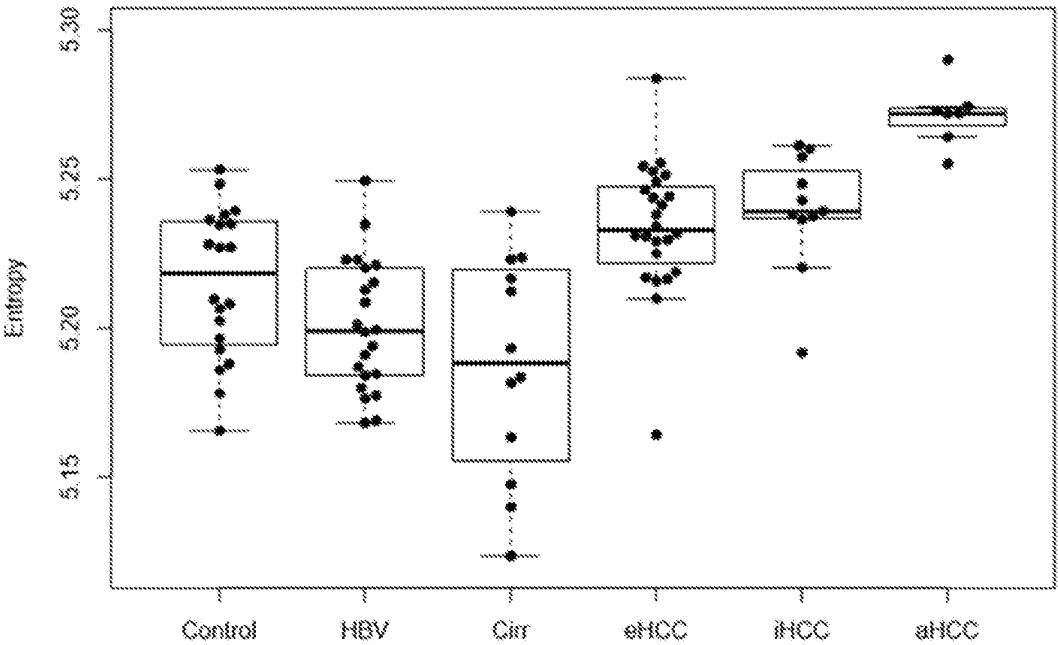
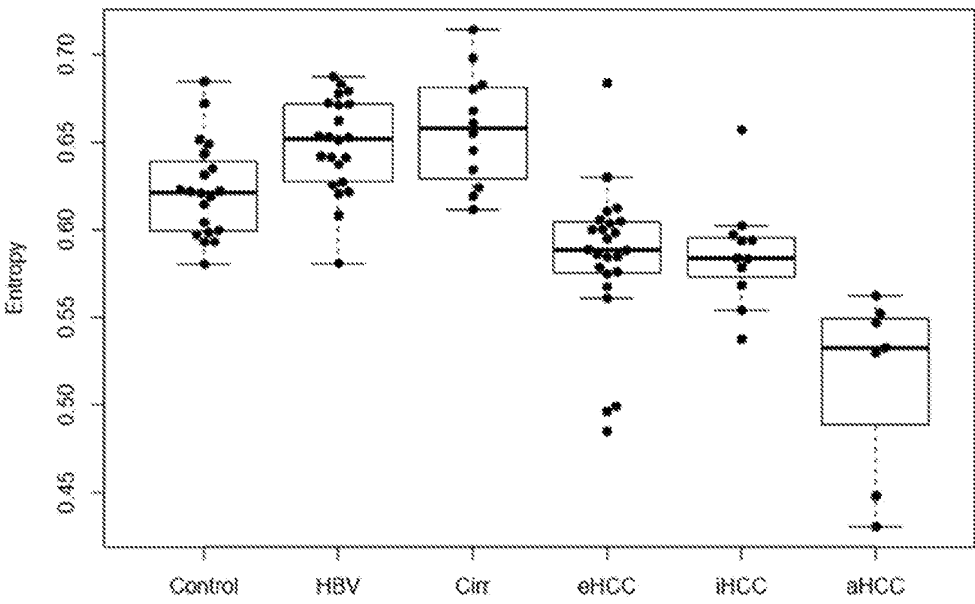


FIG. 25B Entropy of selected 10 motifs



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FIG. 26A

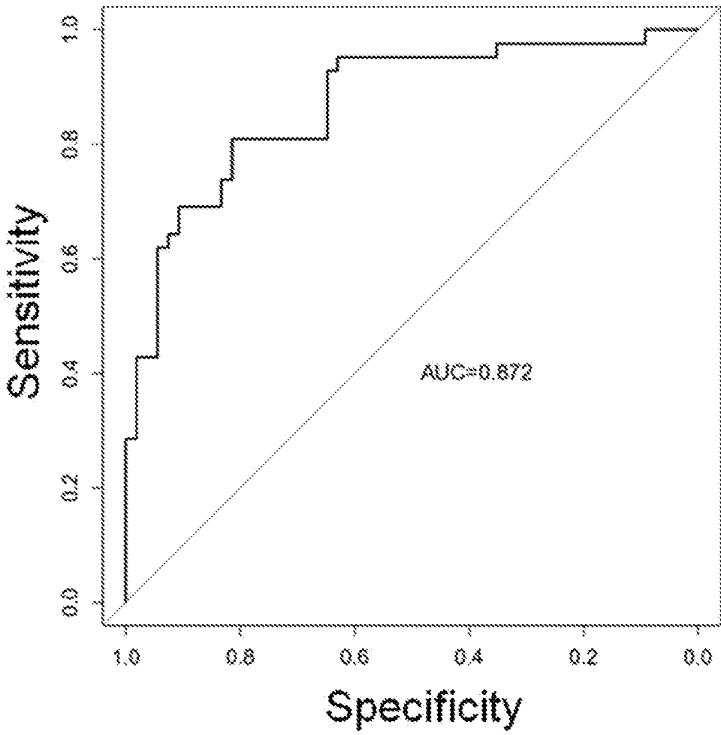
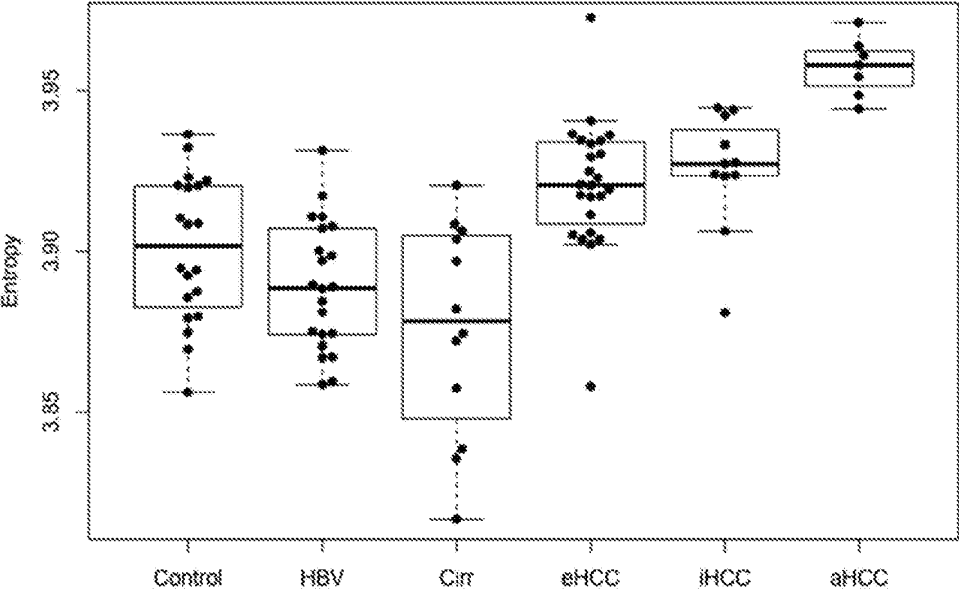


FIG. 26B

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FIG. 27A

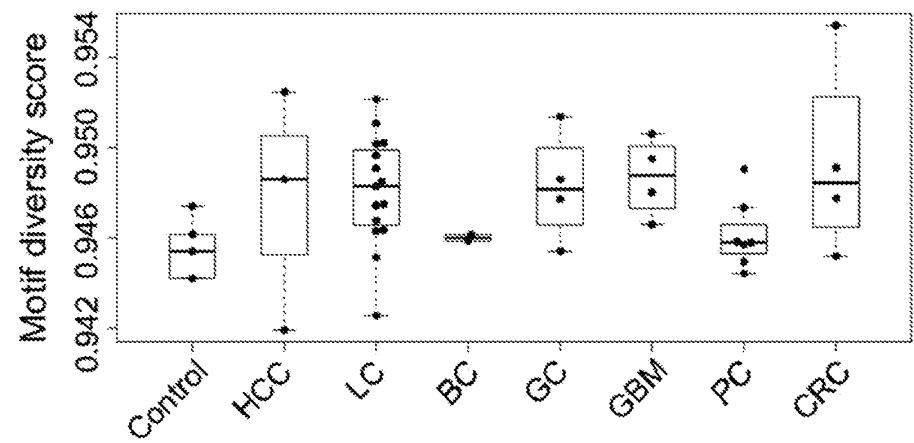
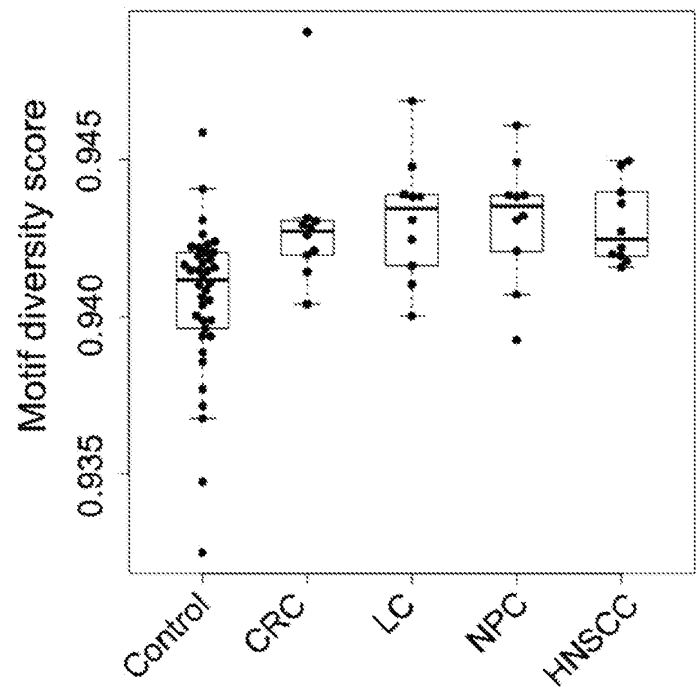


FIG. 27B



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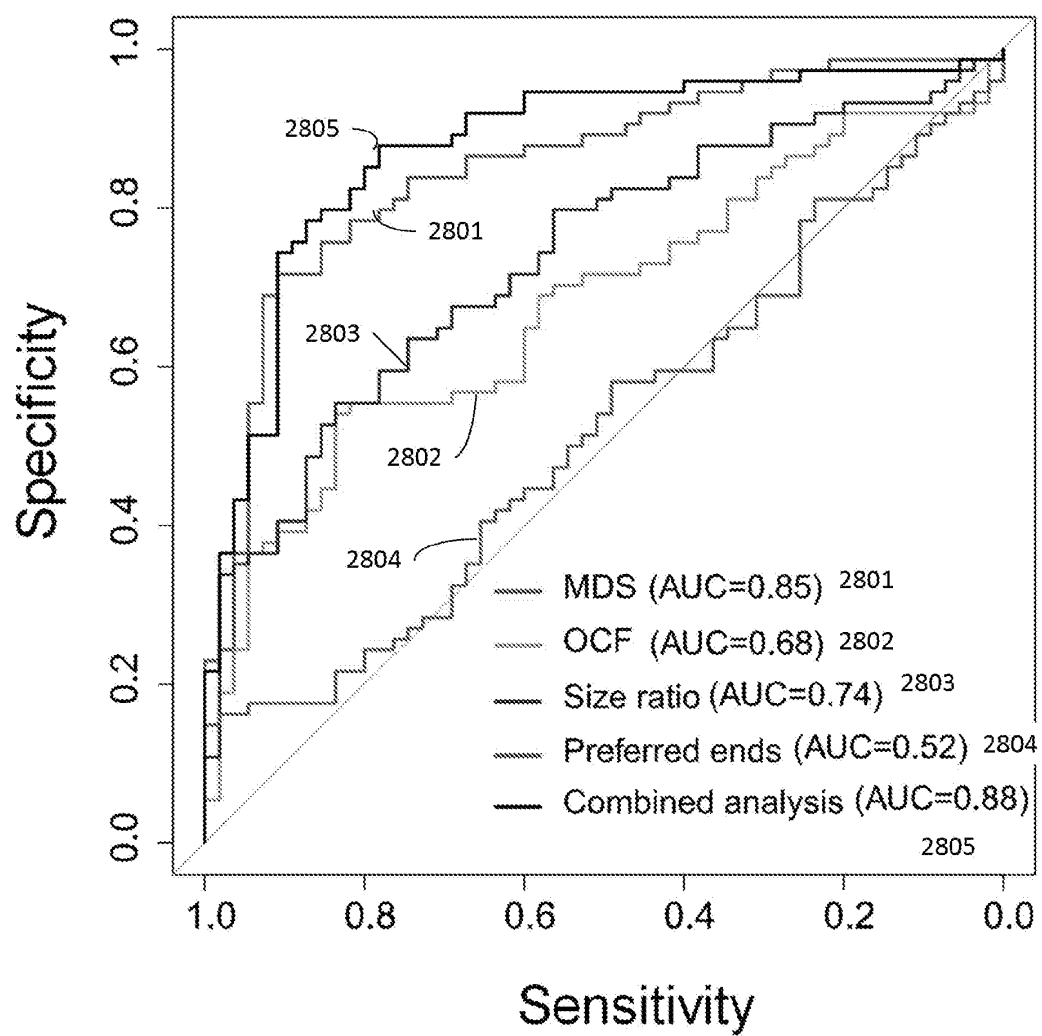


FIG. 28

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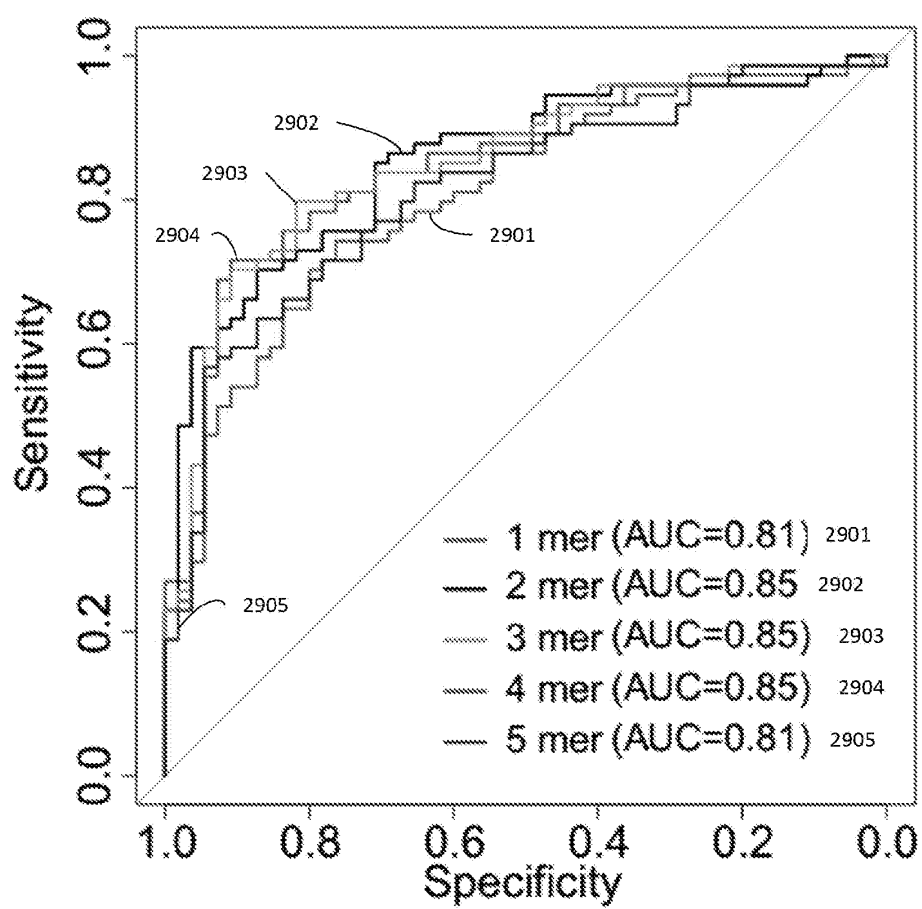


FIG. 29

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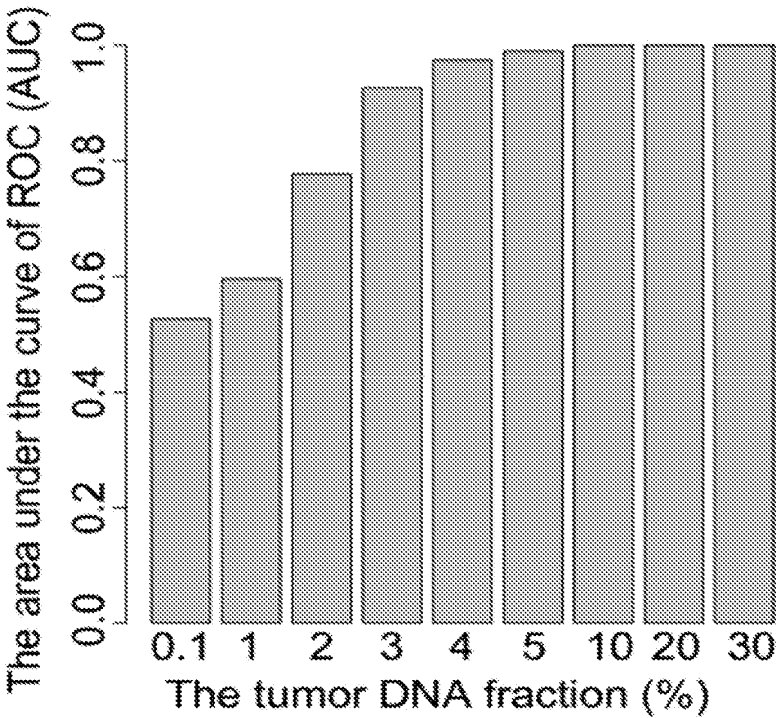


FIG. 30

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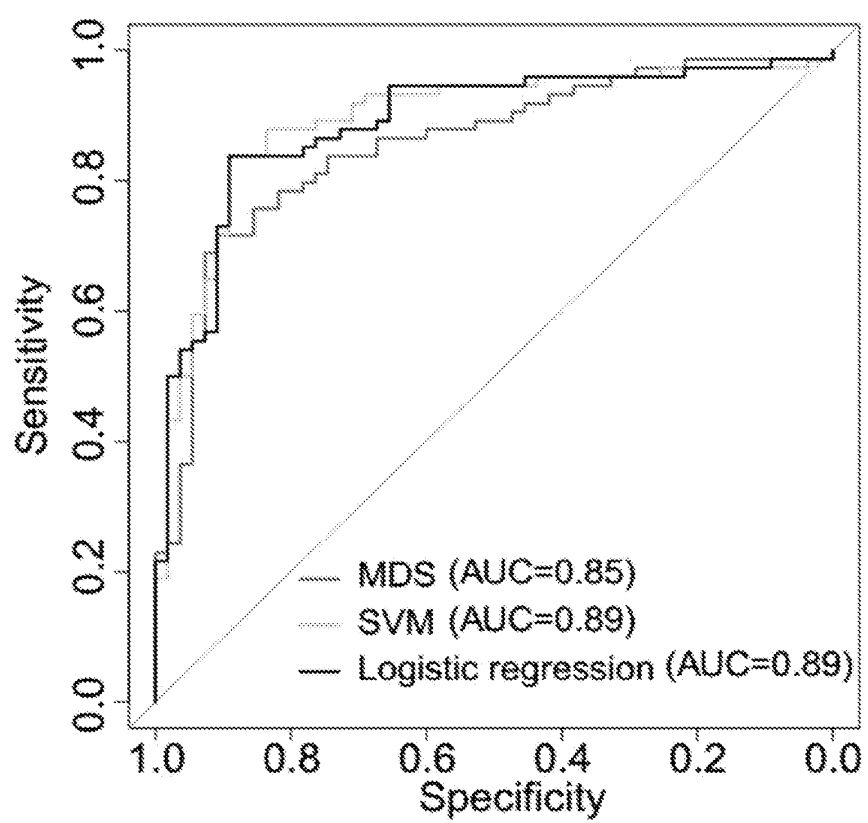


FIG. 31

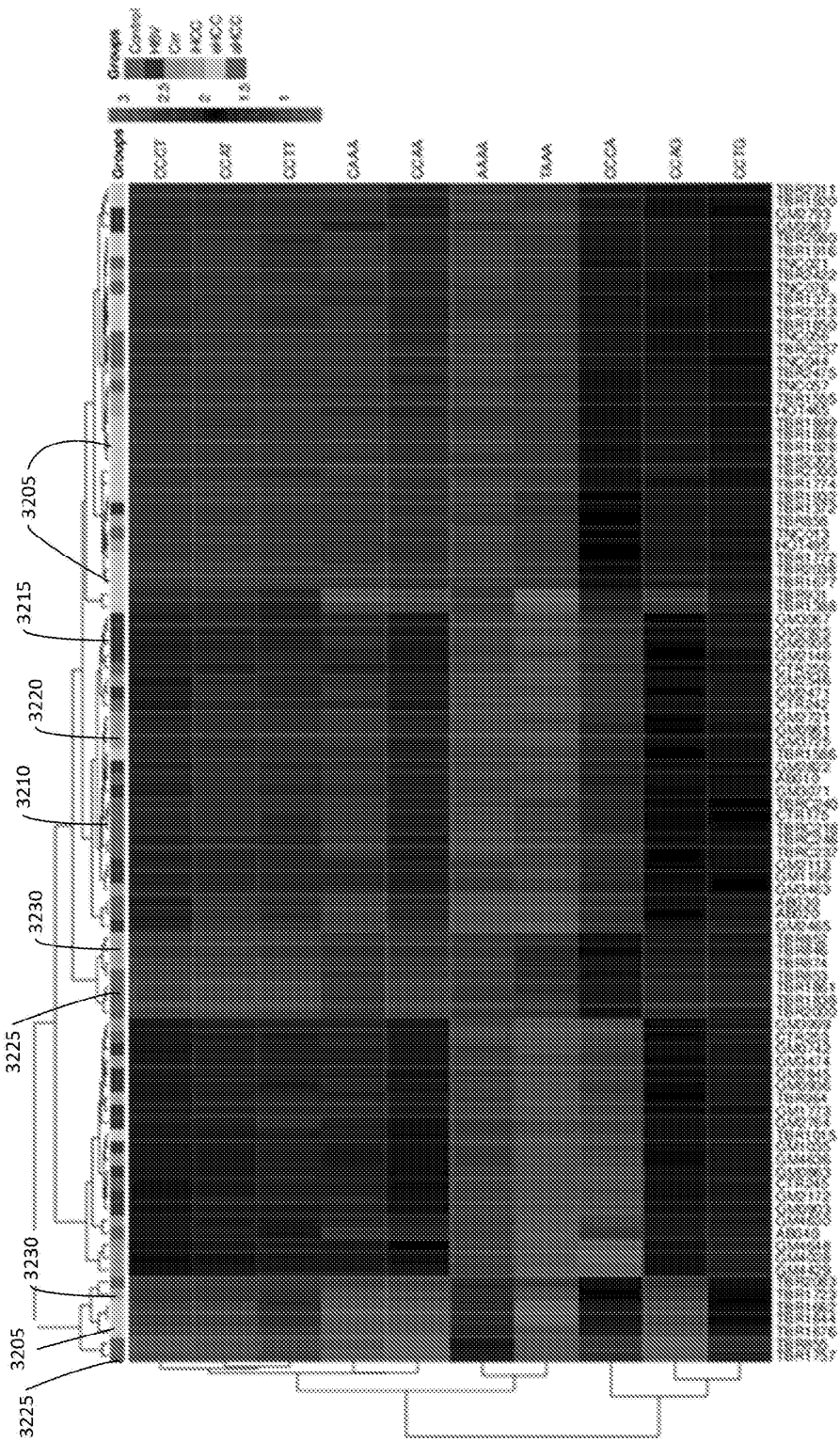


FIG. 32

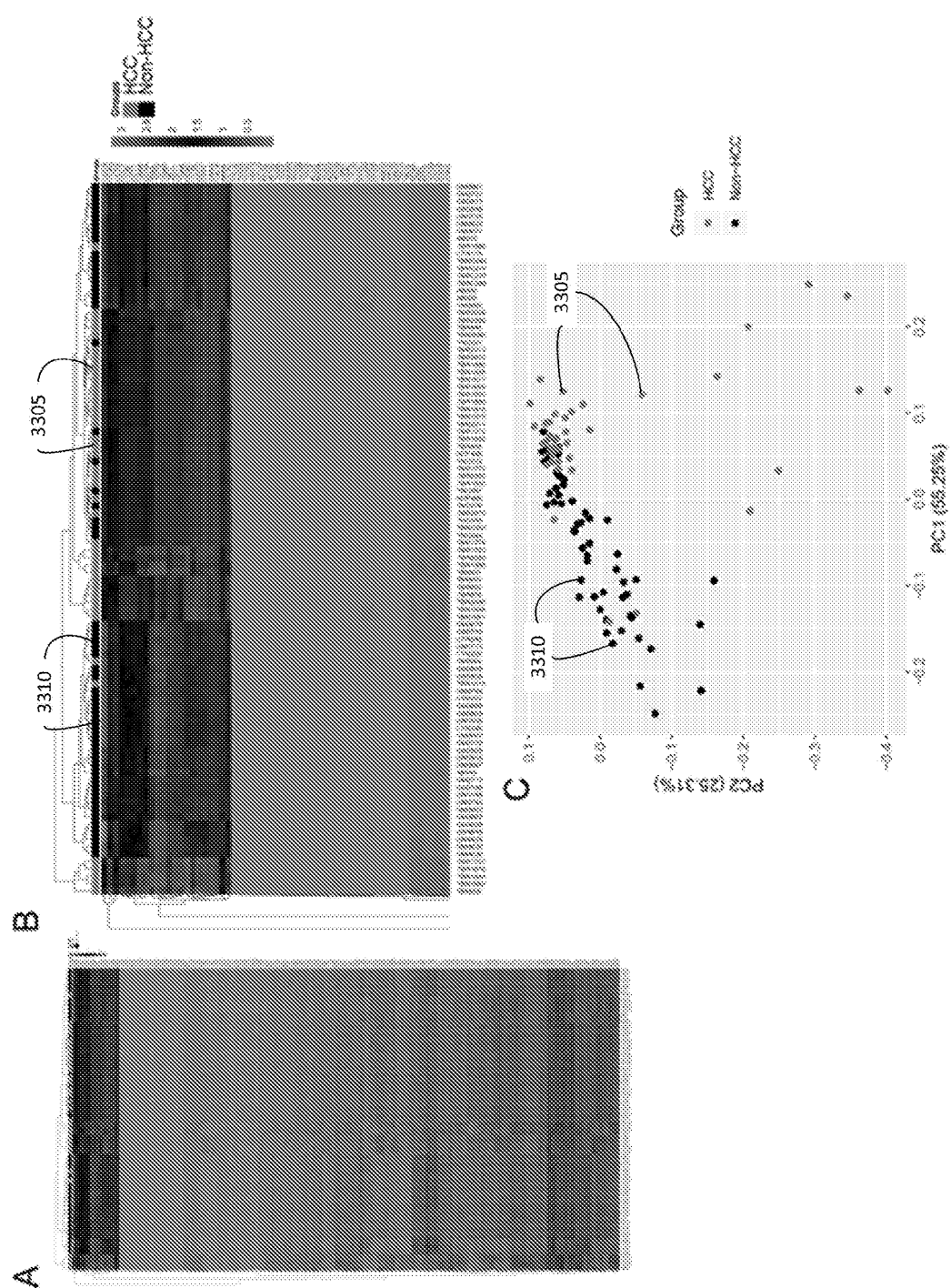


FIG. 33

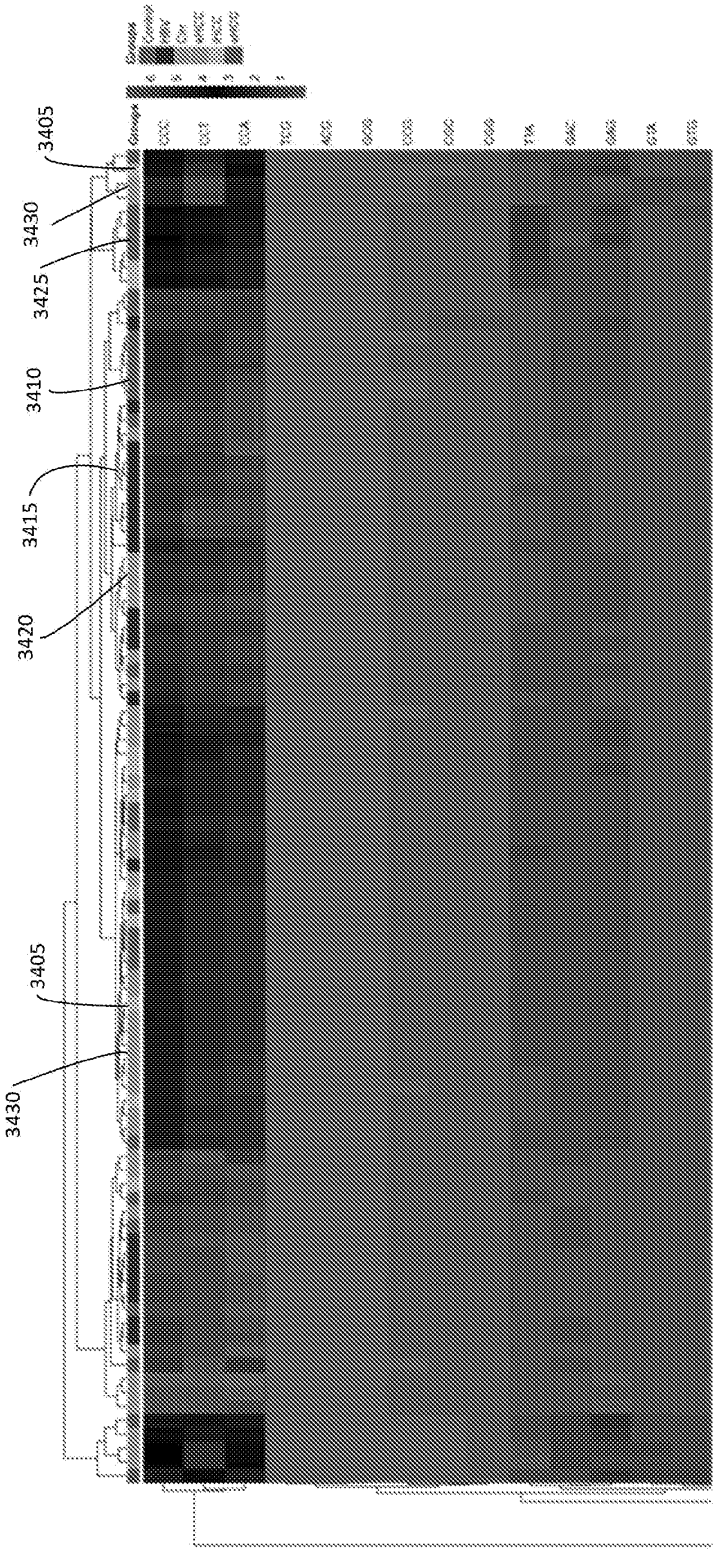


FIG. 34

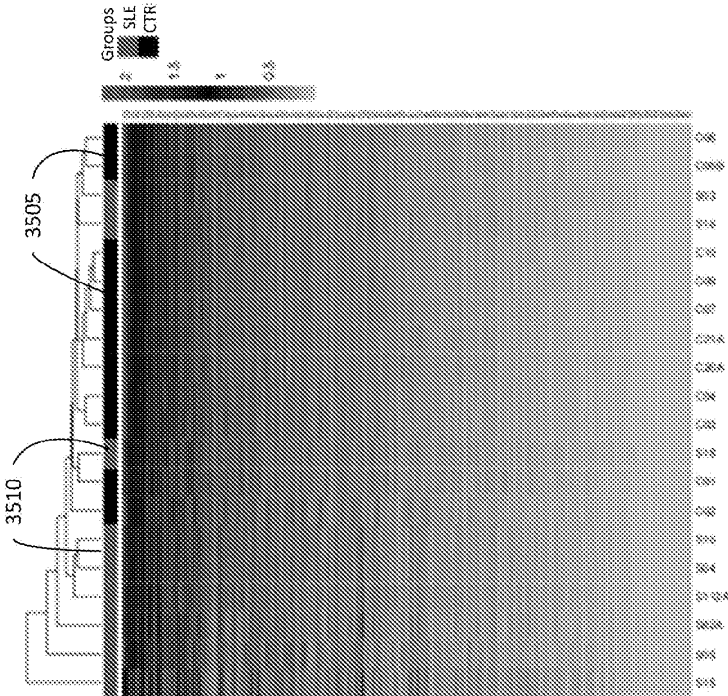


FIG. 35B

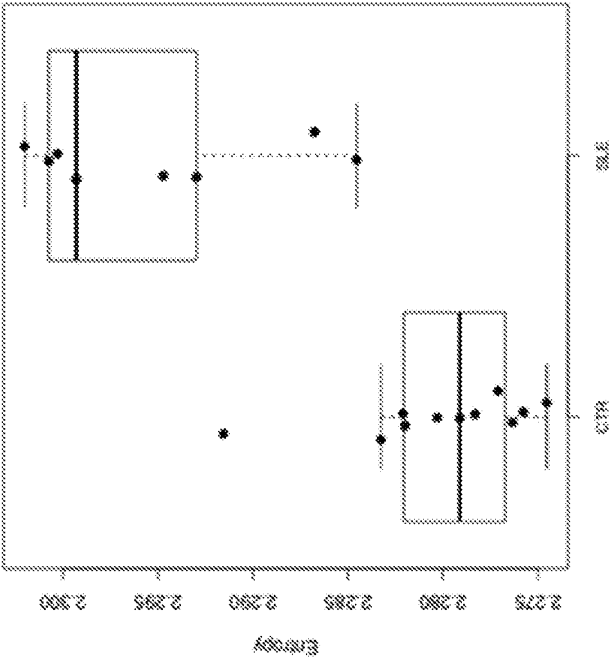


FIG. 35A

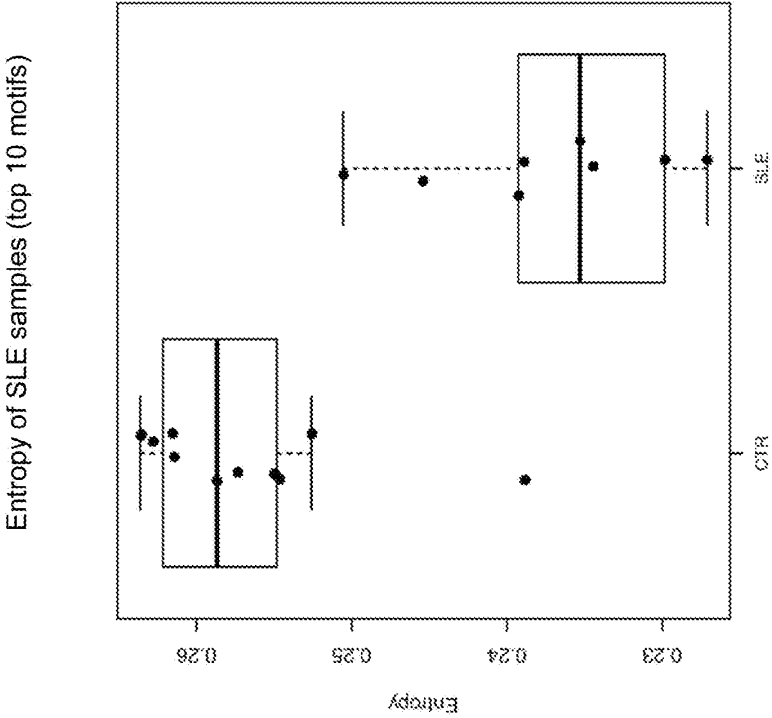


FIG. 36

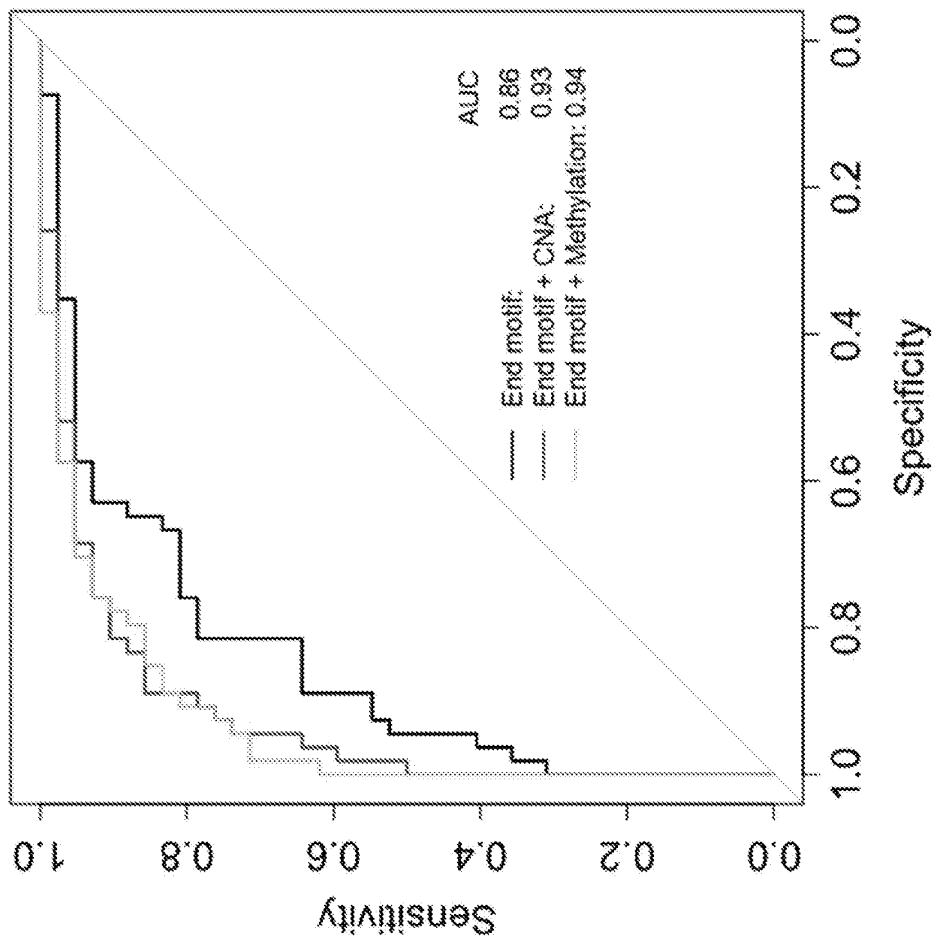


FIG. 37

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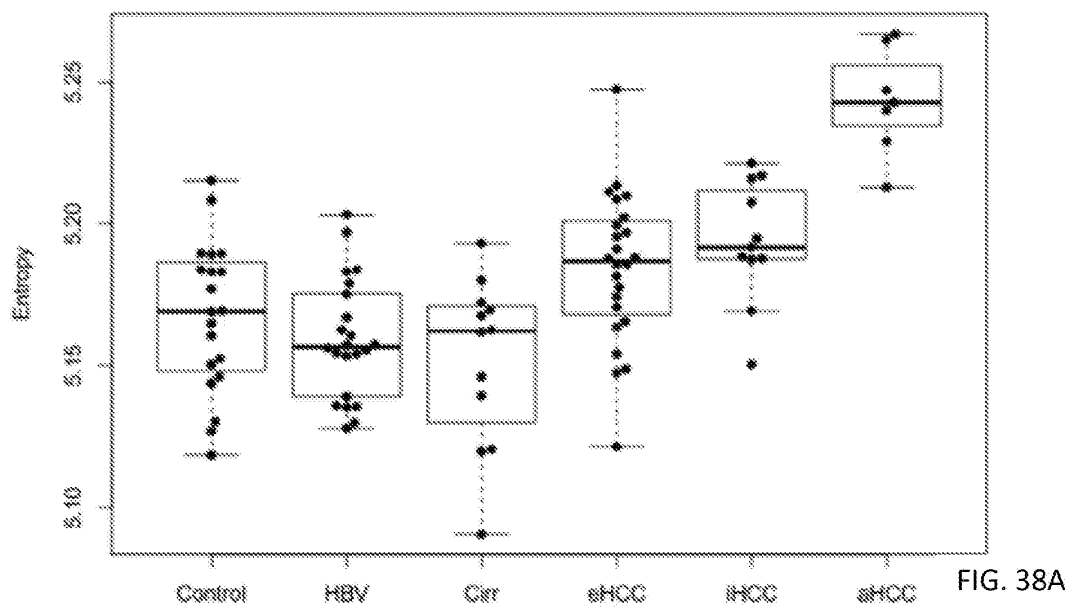


FIG. 38A

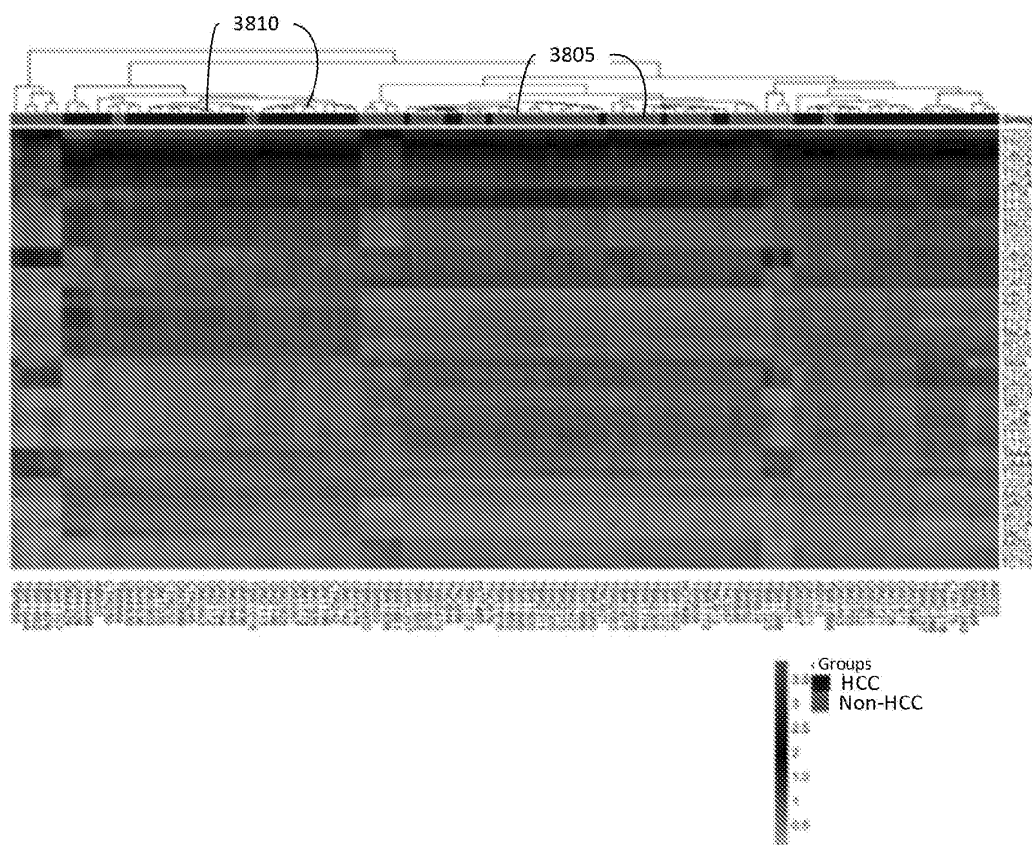


FIG. 38B

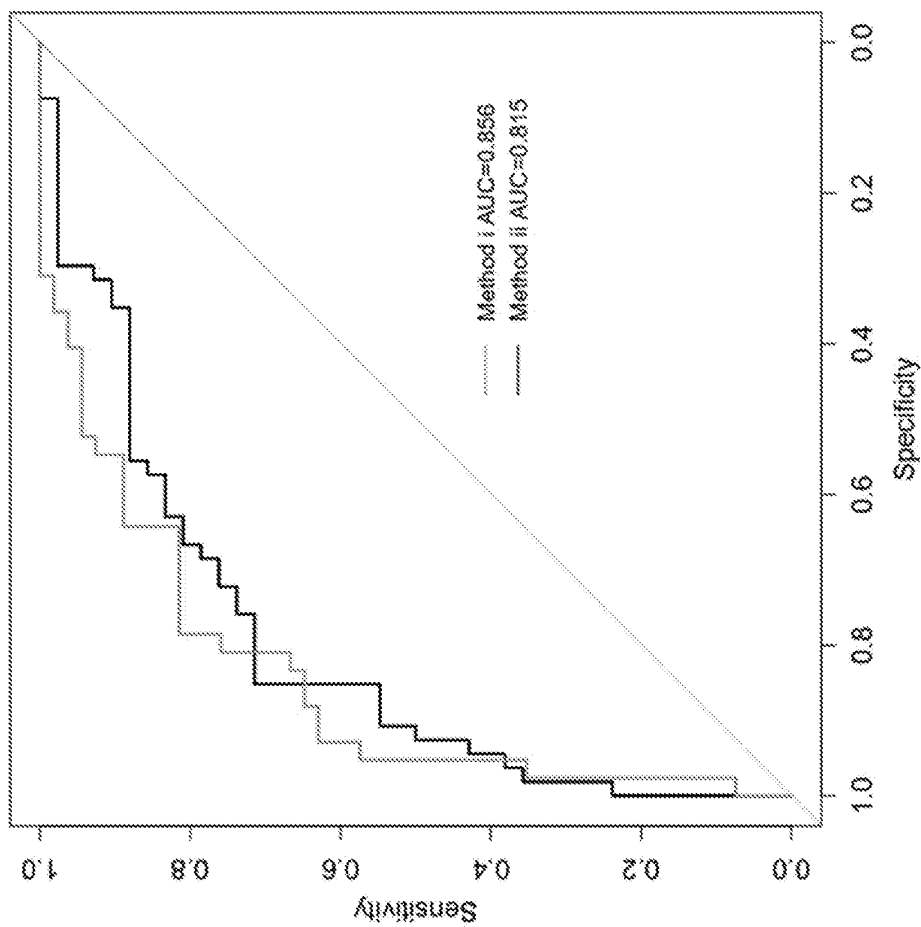


FIG. 39

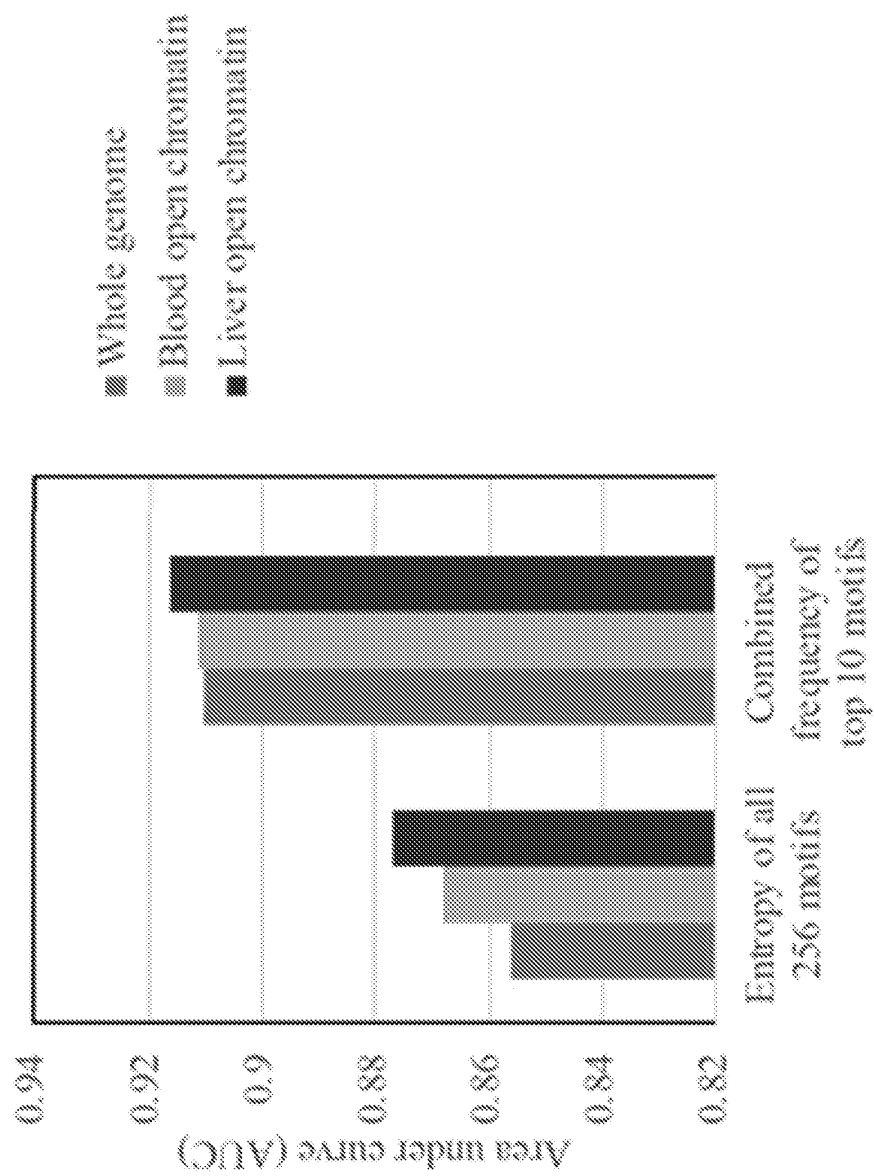


FIG. 40

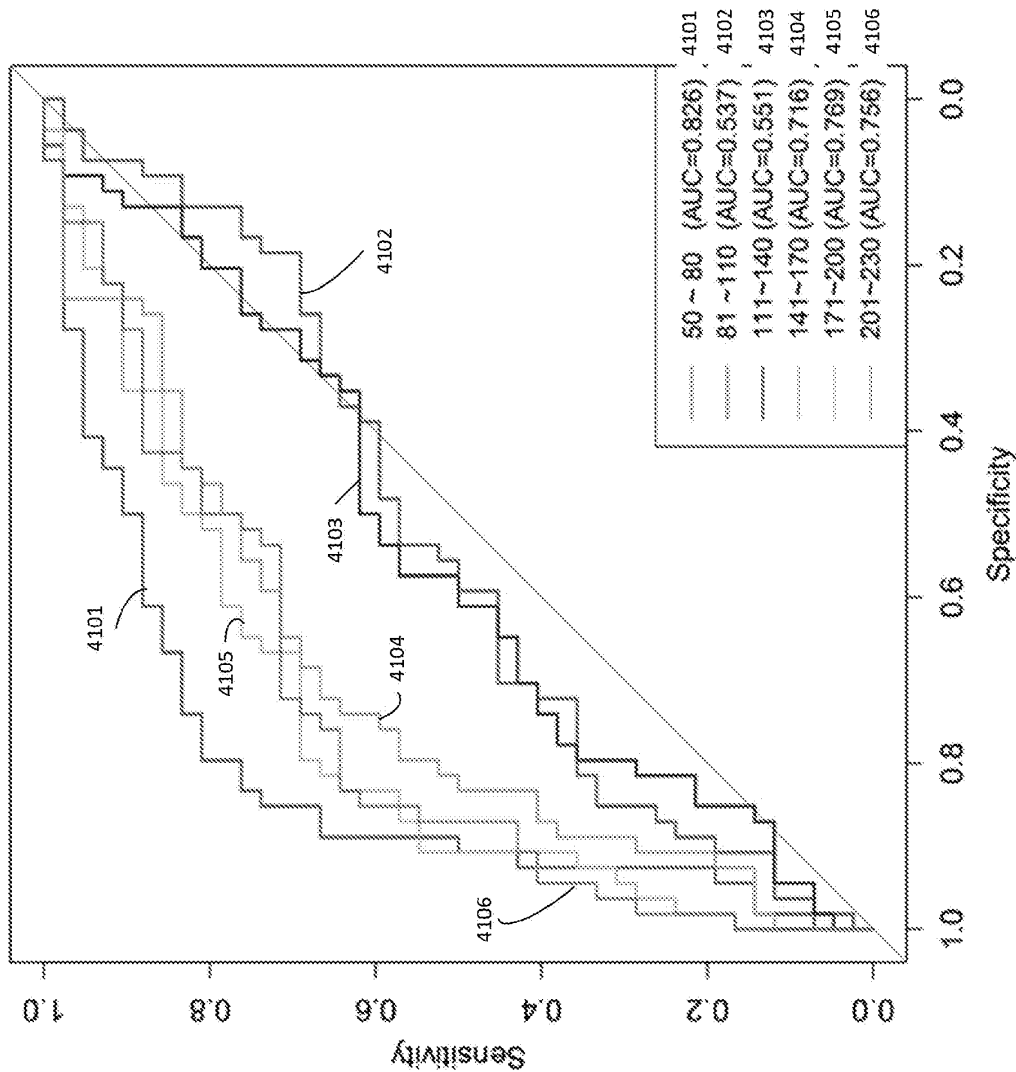
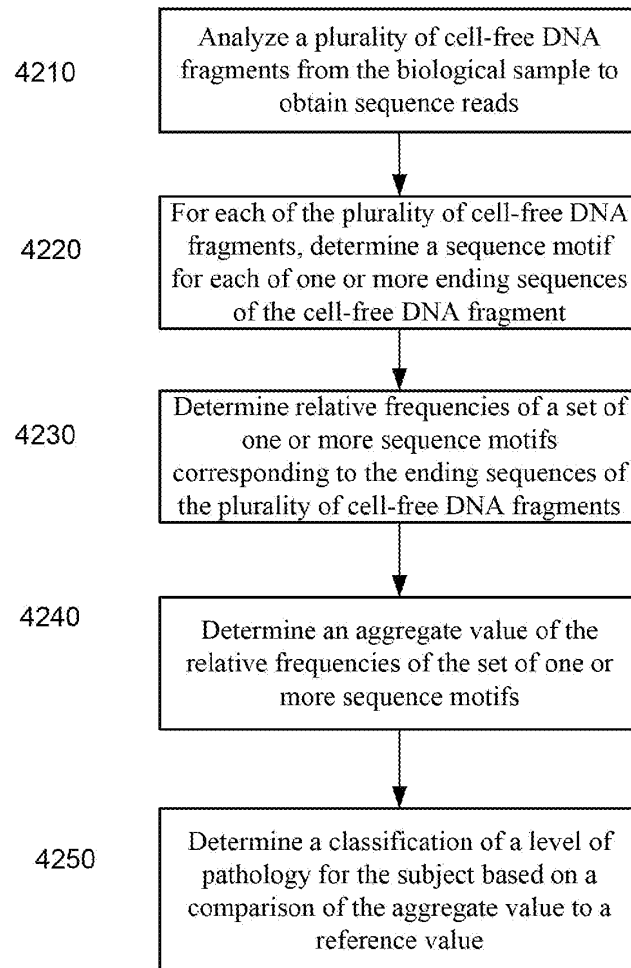


FIG. 41

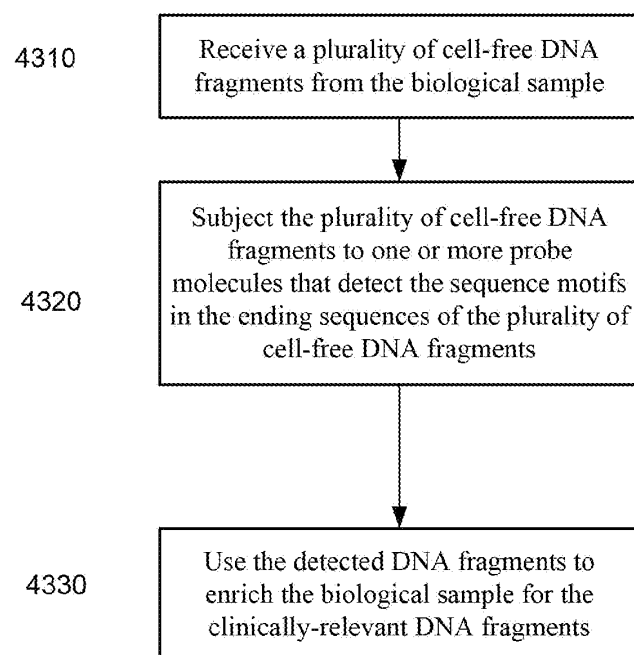
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**FIG. 42**

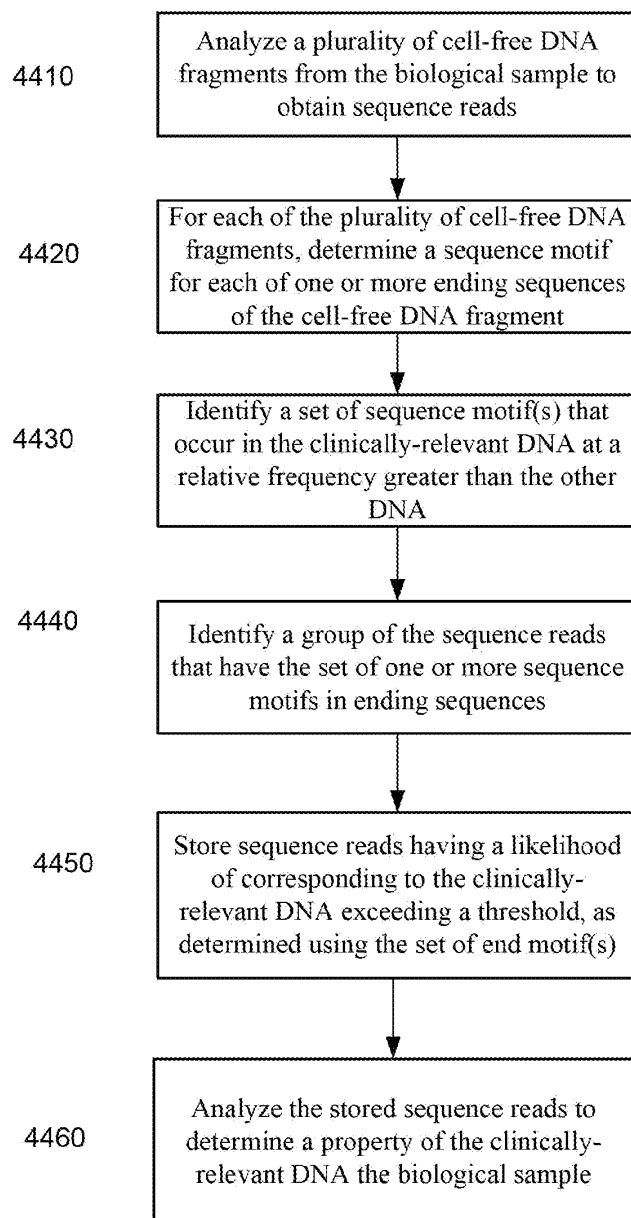
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**FIG. 43**

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**FIG. 44**

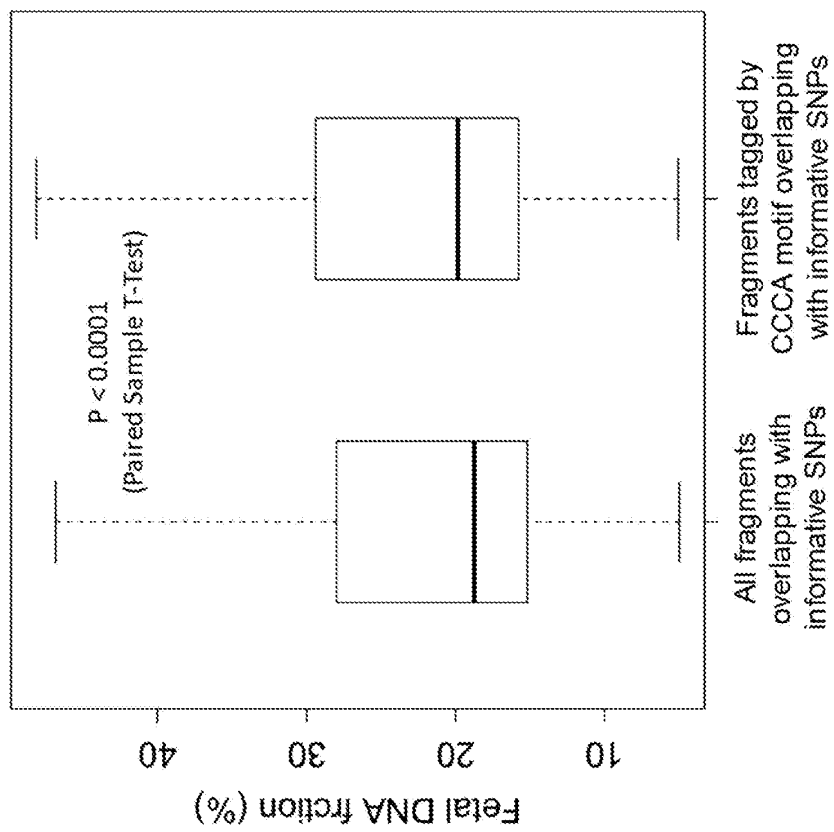


FIG. 45

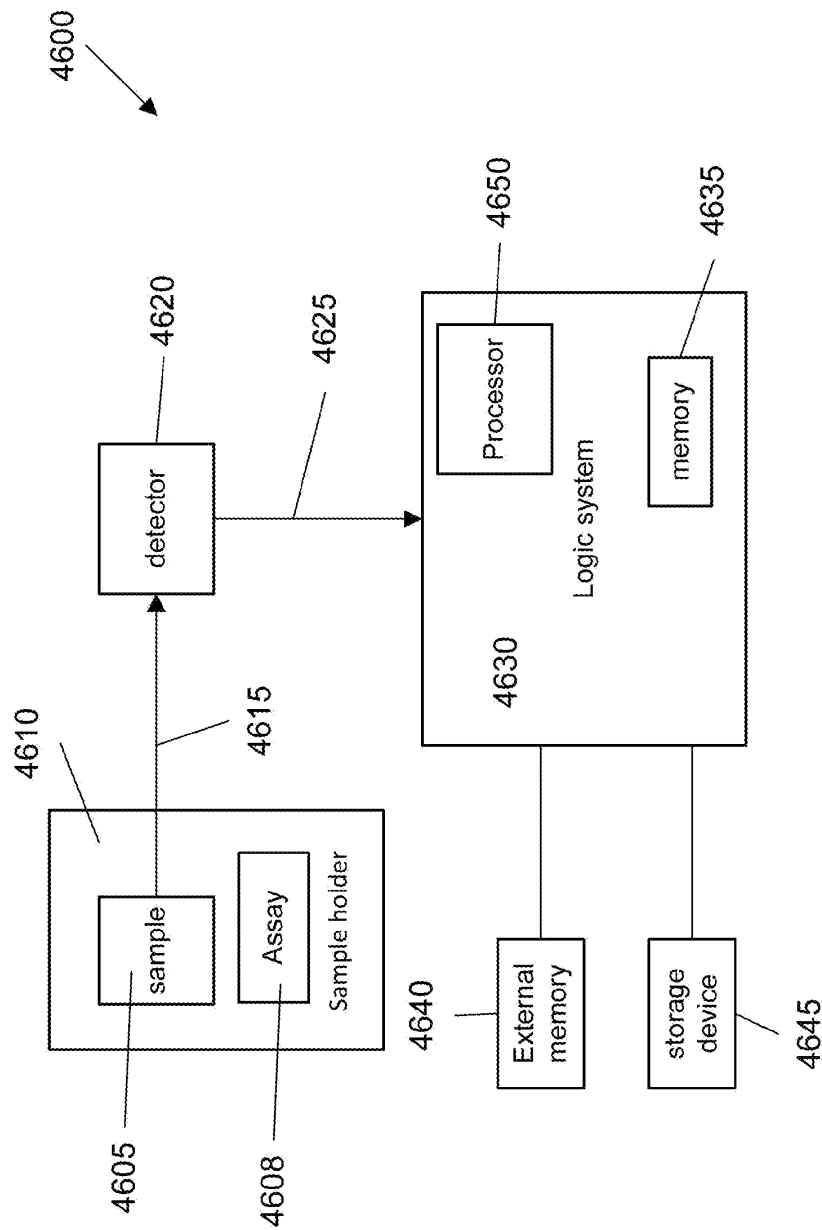


FIG. 46

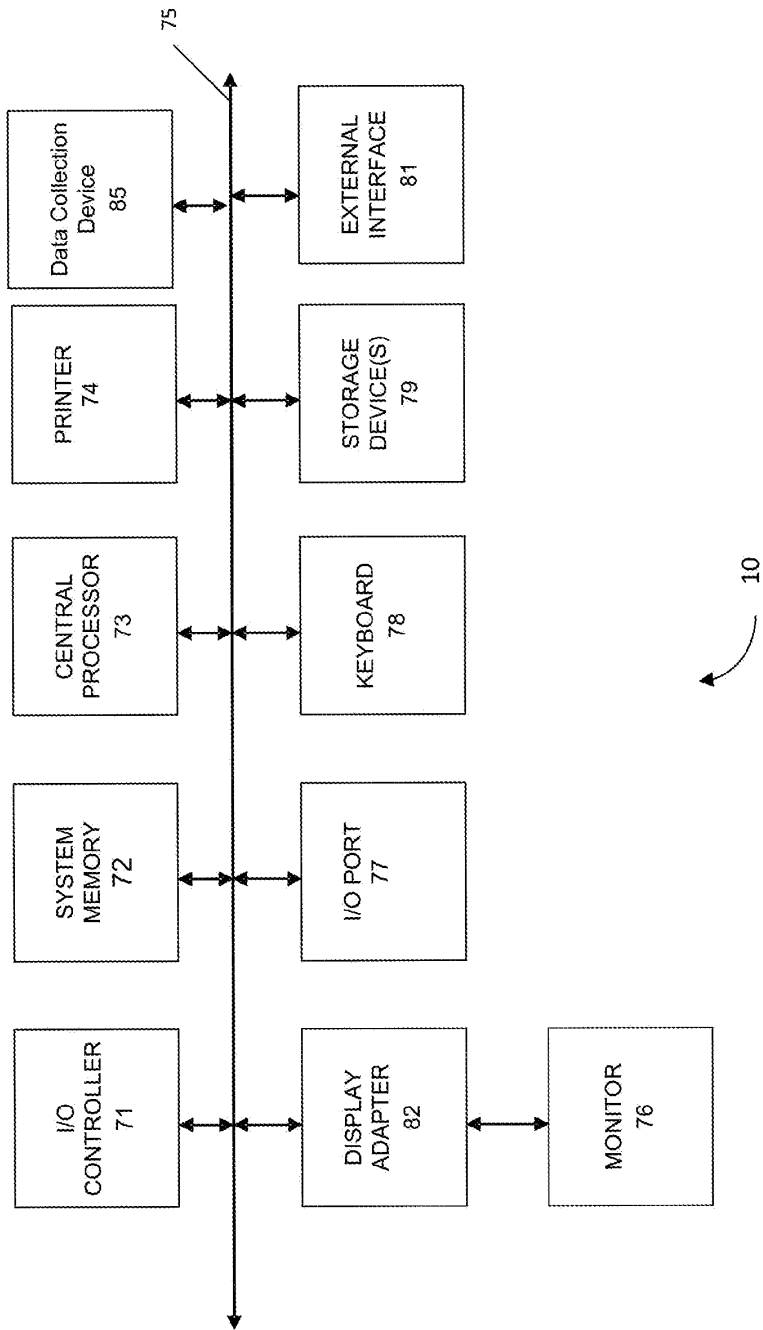


FIG. 47