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**Oral microbiome-based feline renal/urinary health
test - workflow**

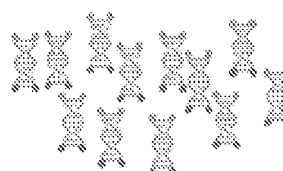
Oral swab collected
from the cat



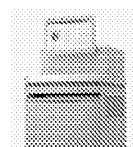
DNA extraction



Metagenomic NGS
library preparation



Shotgun metagenomic
NGS



Data analysis and results
report generation

(4-6 weeks from sample to report)

FIG. 1A

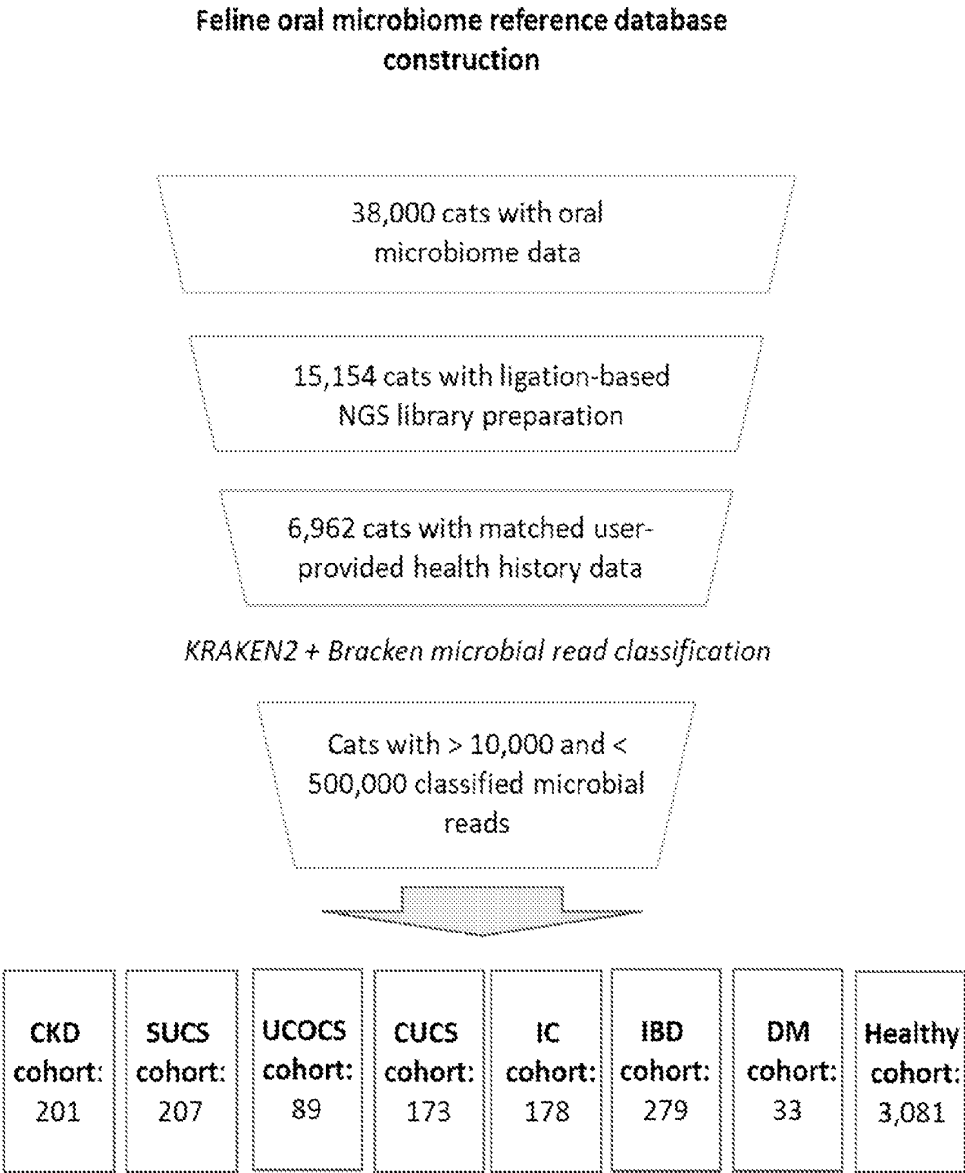


FIG. 1B

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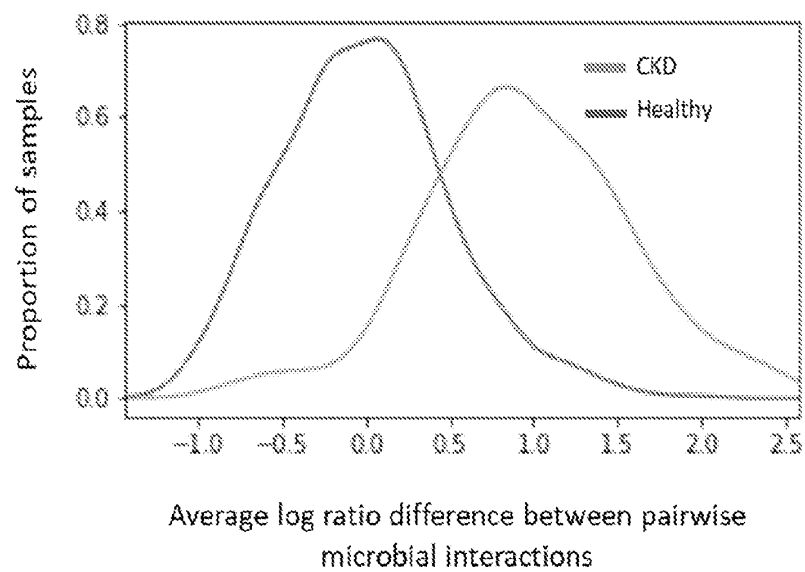


FIG. 2A

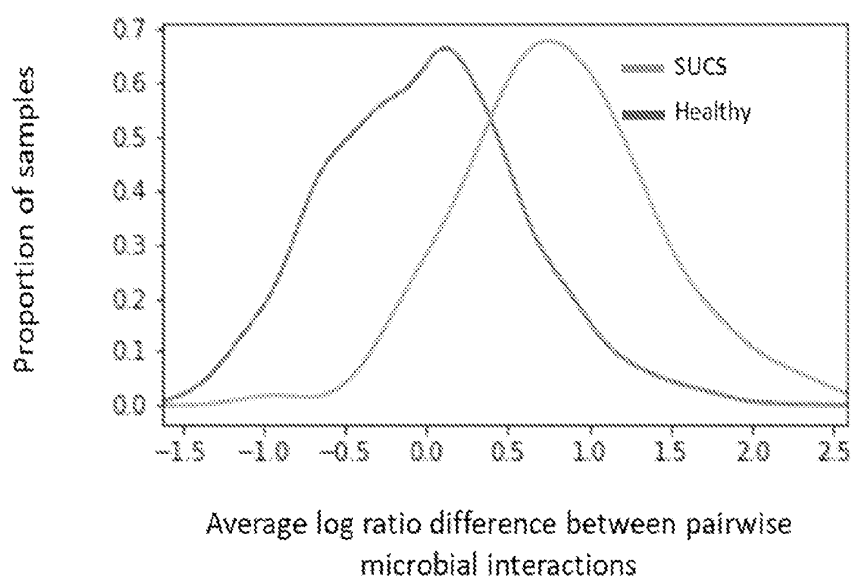


FIG. 2B

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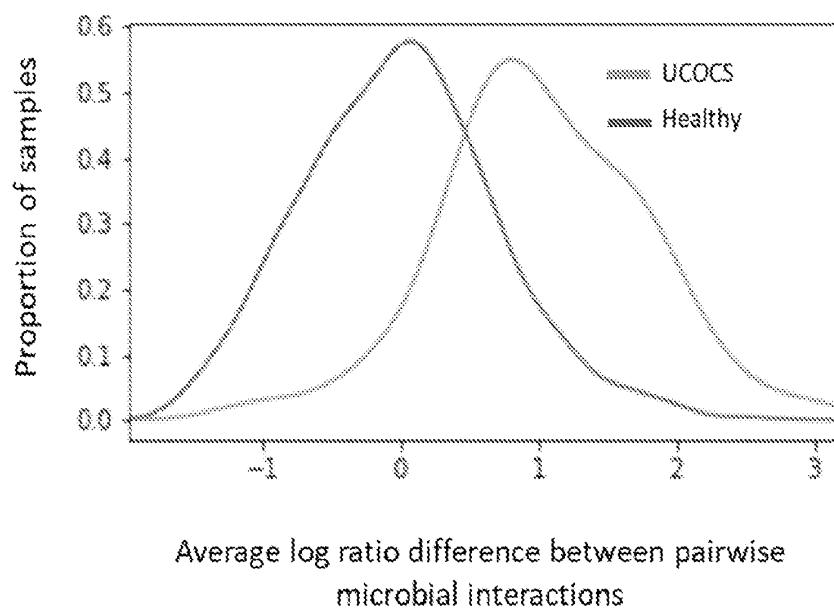


FIG. 2C

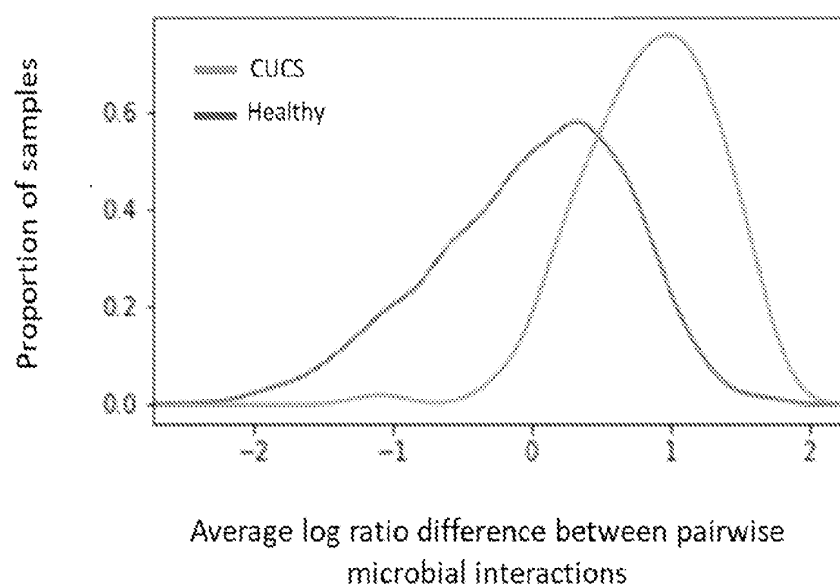


FIG. 2D

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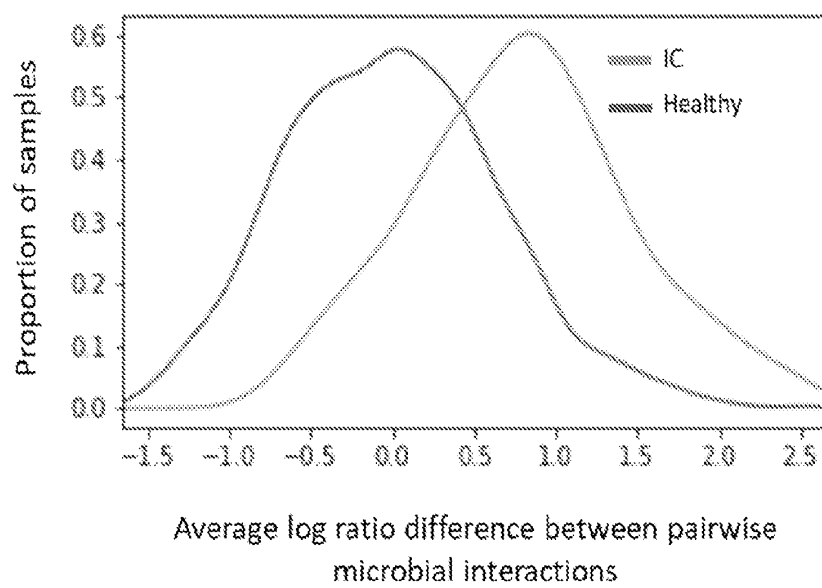


FIG. 2E

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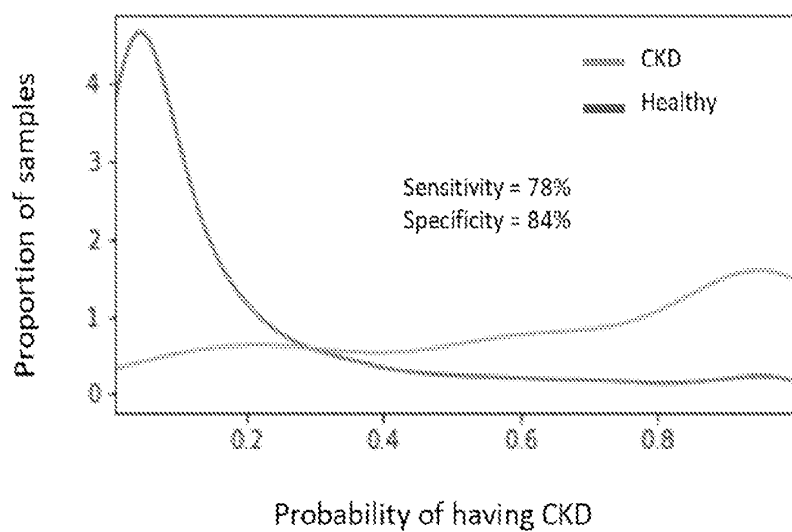


FIG. 3A

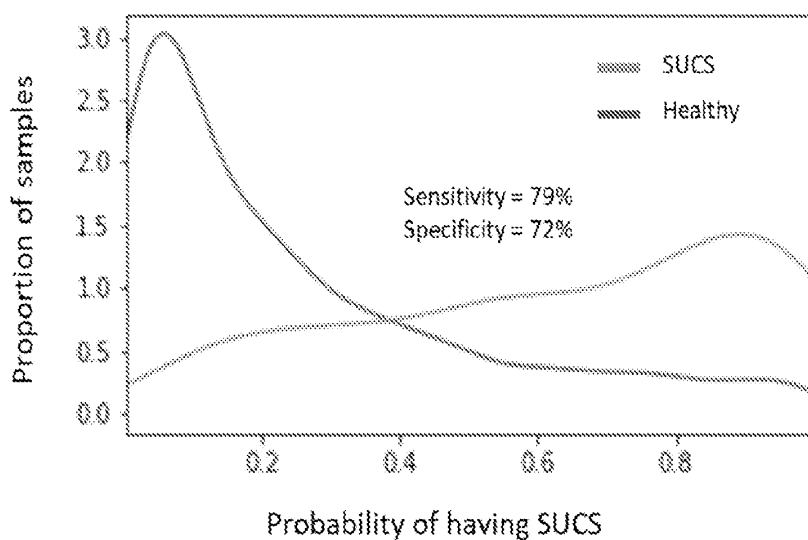


FIG. 3B

Sensitivity = percentage known positive samples classified as medium or high risk

Specificity = percentage known negative samples classified as low risk

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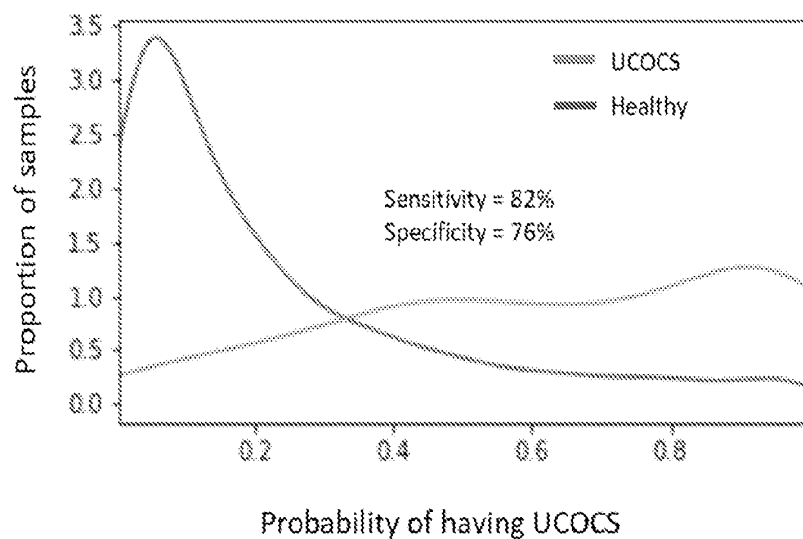


FIG. 3C

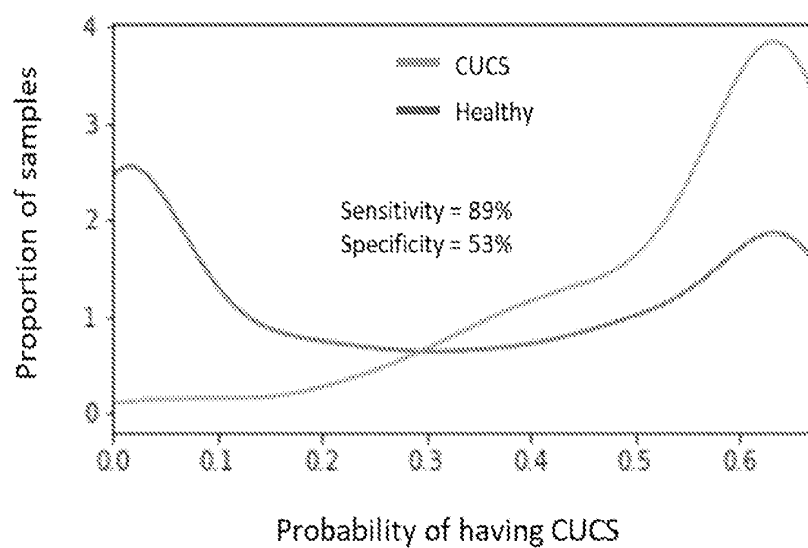


FIG. 3D

Sensitivity = percentage known positive samples classified as medium or high risk

Specificity = percentage known negative samples classified as low risk

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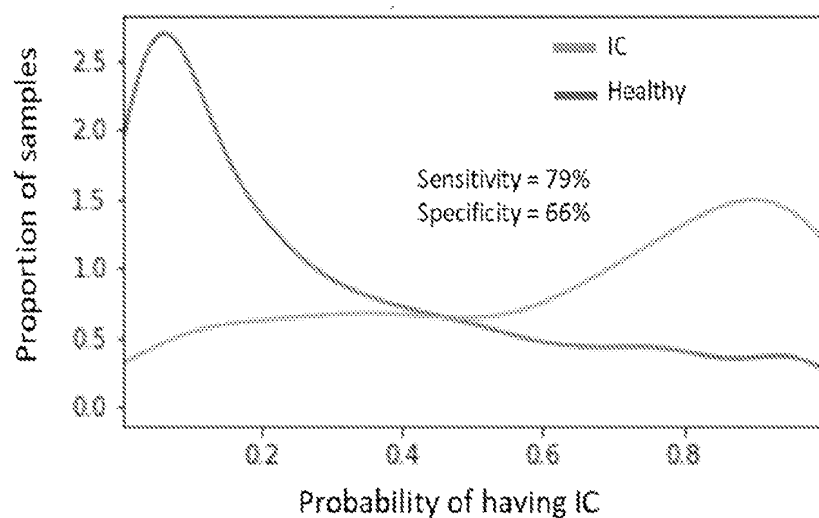


FIG. 3E

Sensitivity = percentage known positive samples classified as medium or high risk

Specificity = percentage known negative samples classified as low risk

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Overlap of predictive microbes between feline periodontal disease and CKD

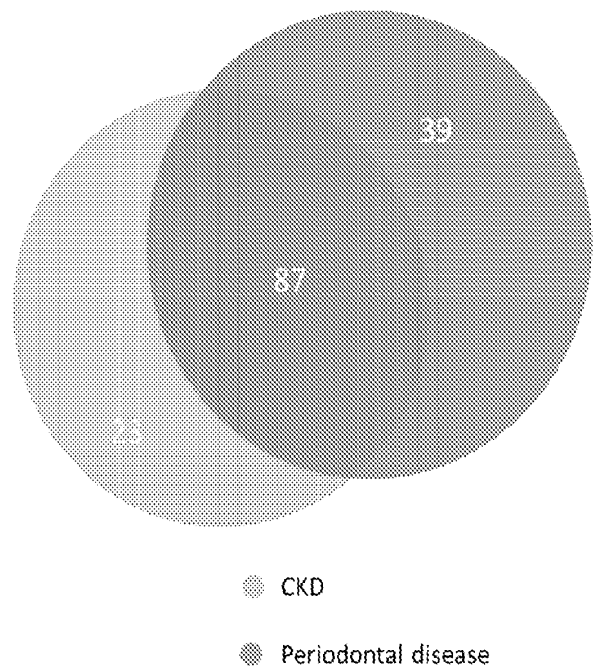


FIG. 4A

Overlap of predictive microbes between feline CKD, SUCS, CUCS, UCOCS and IC

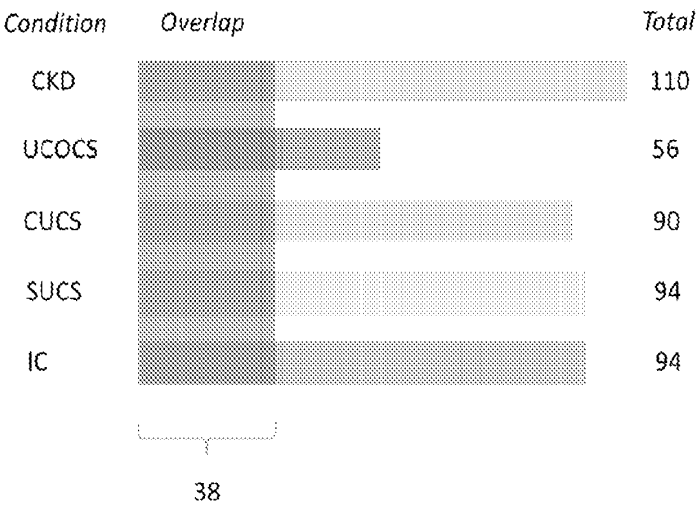


FIG. 4B

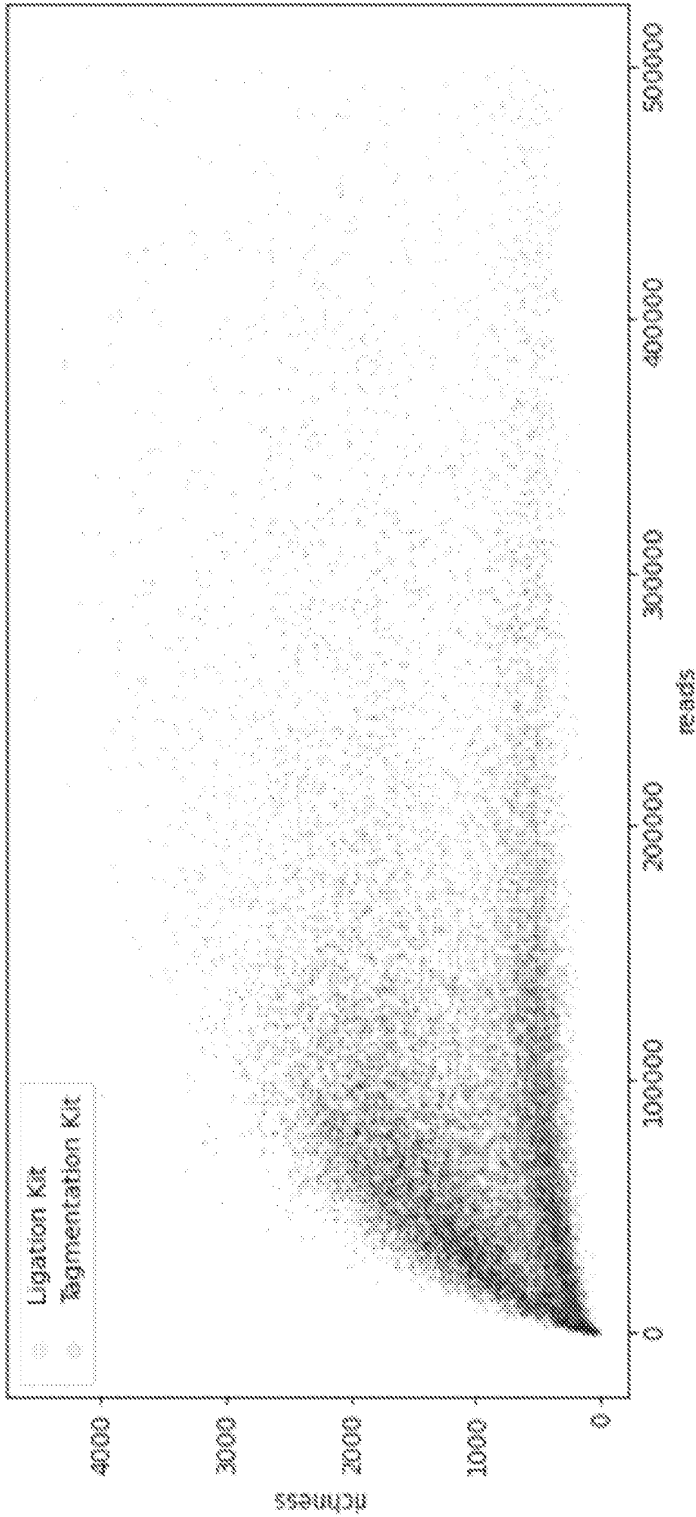


FIG. 5

Oral microbiome based CKD risk assessment

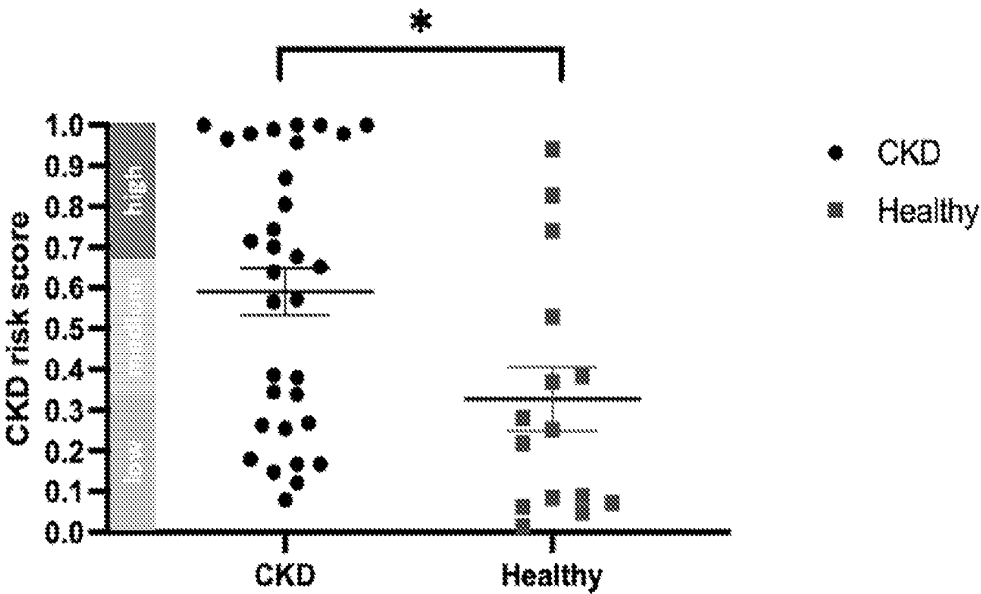


FIG. 6

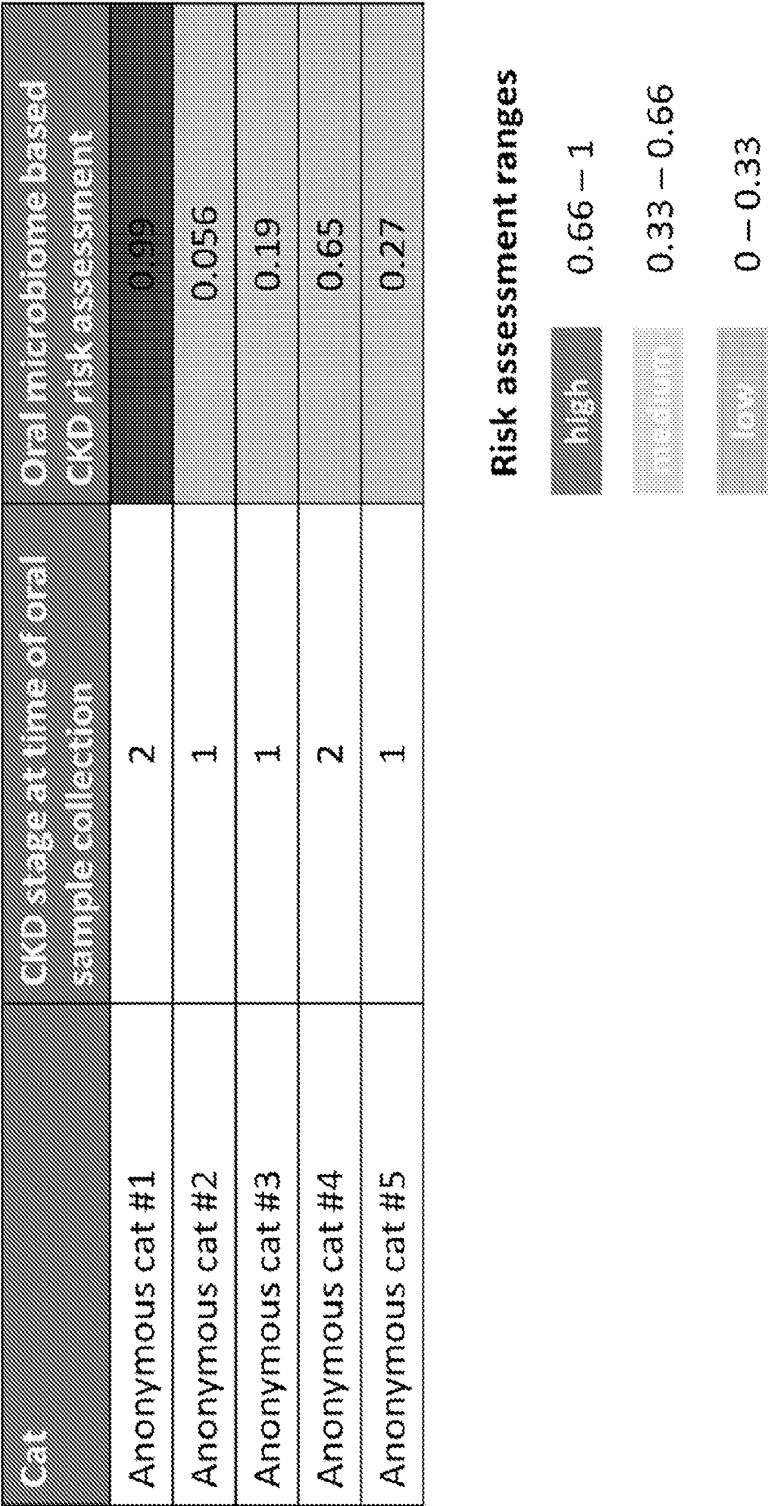


FIG. 7

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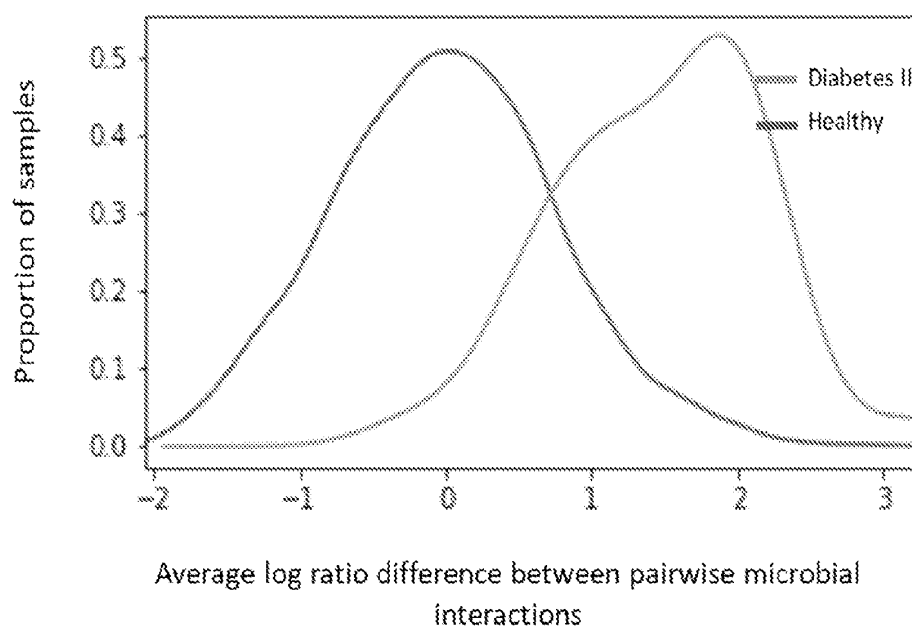


FIG. 8A

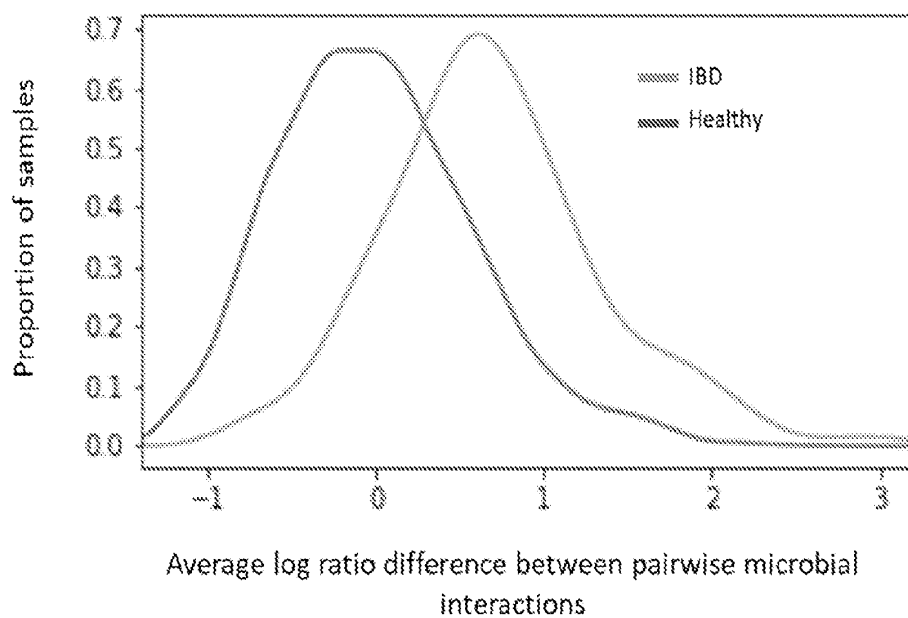


FIG. 8B

SUBSTITUTE SHEET (RULE 26)

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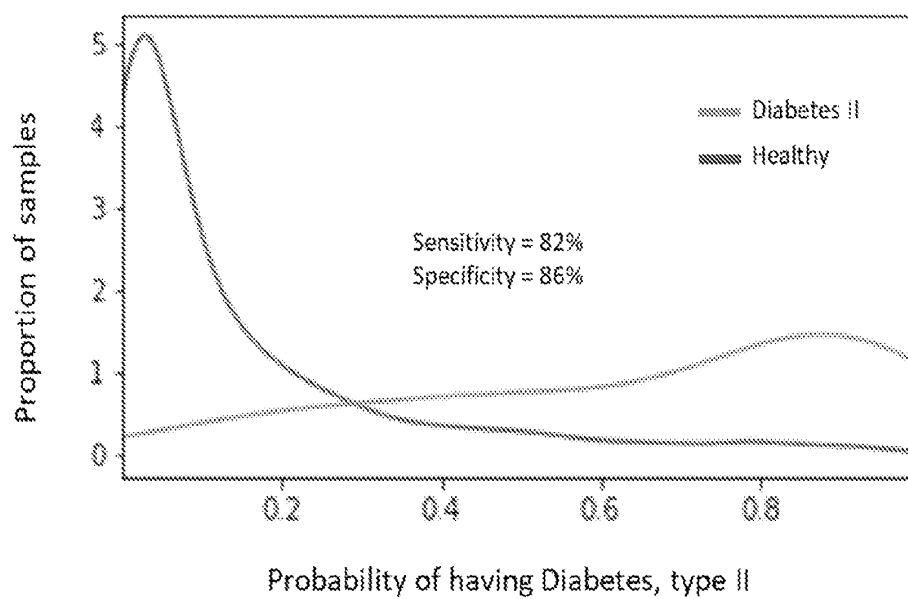


FIG. 9A

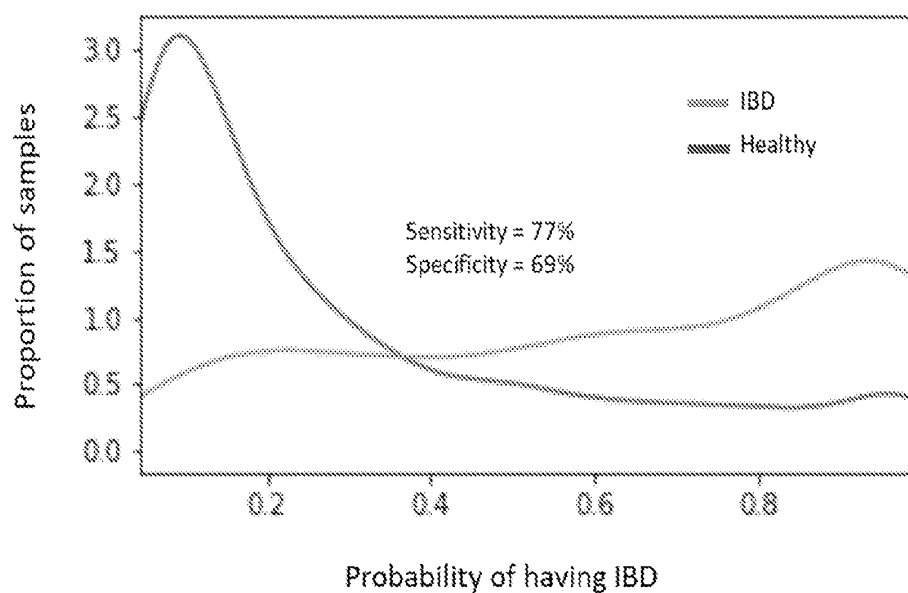


FIG. 9B

SUBSTITUTE SHEET (RULE 26)