

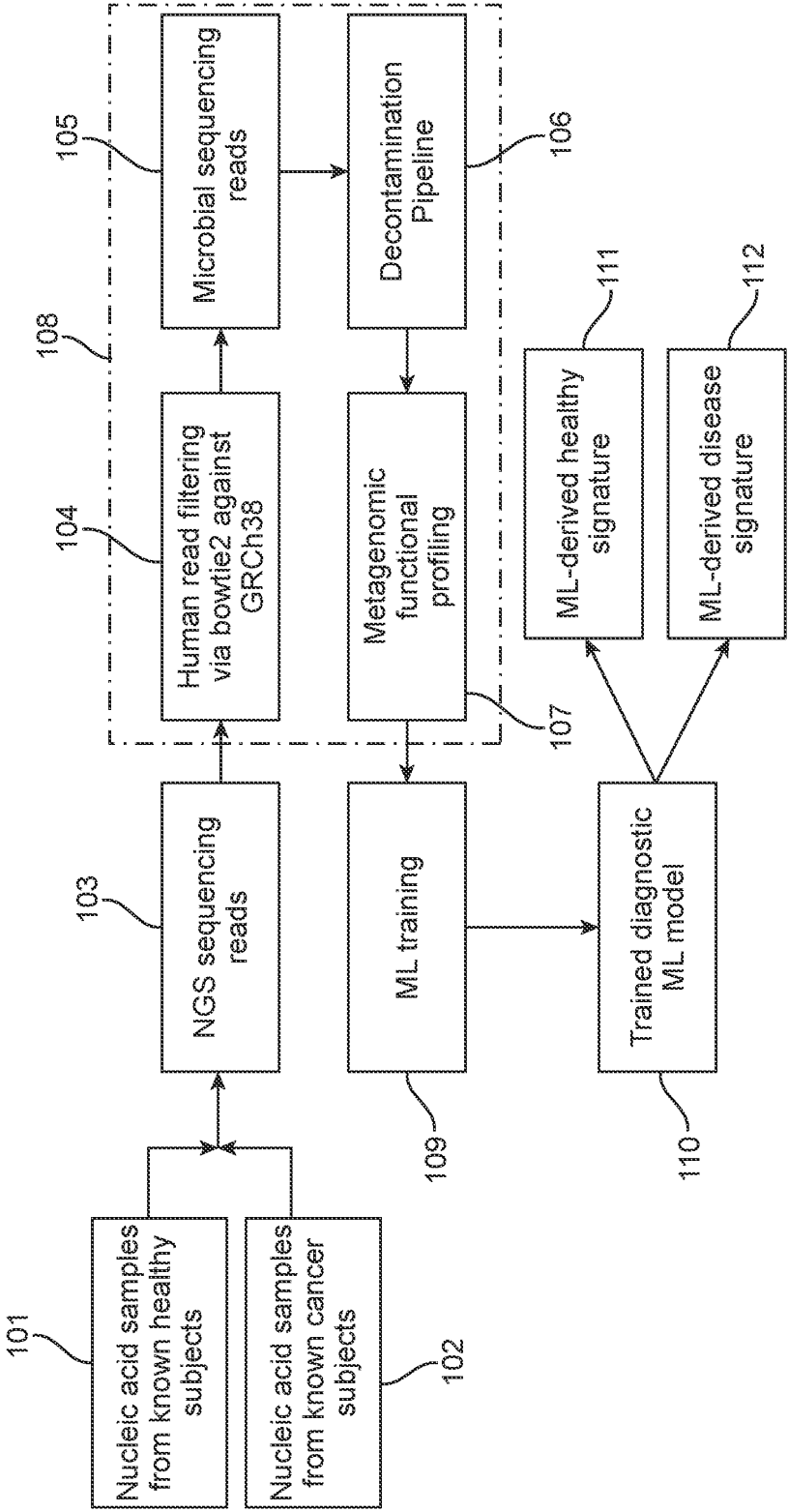


FIG. 1A

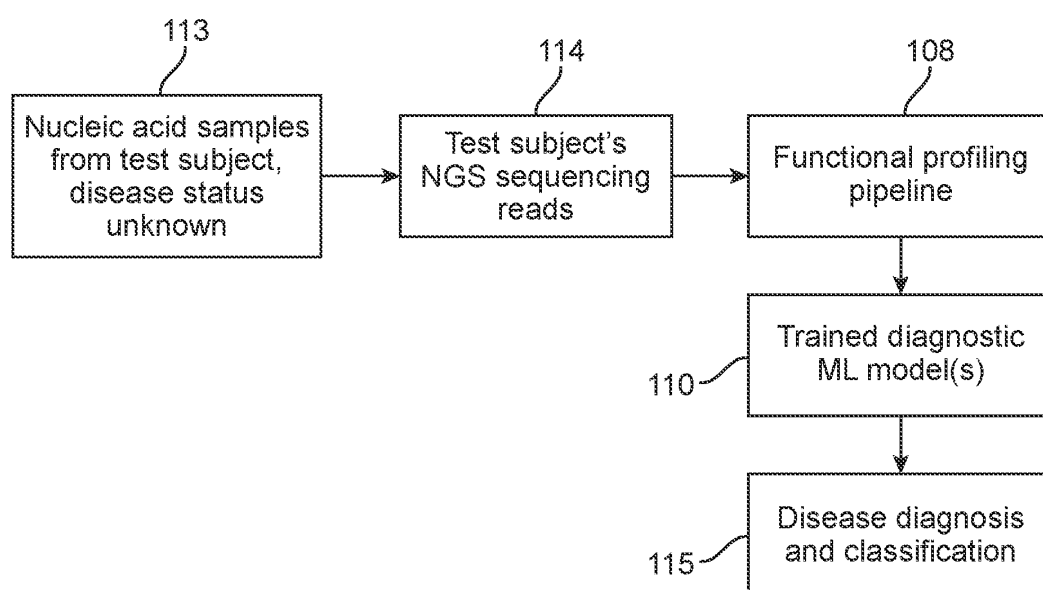


FIG. 1B

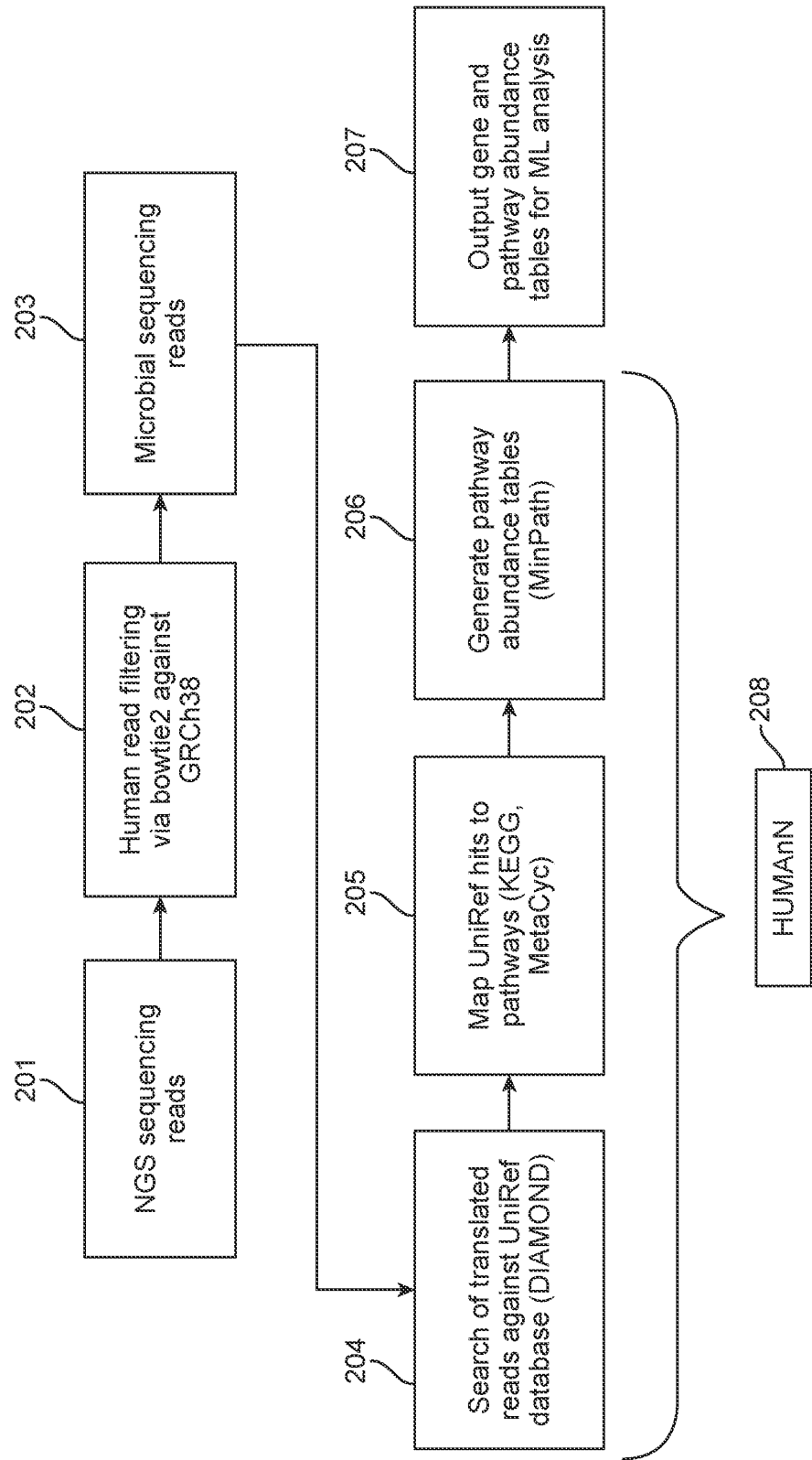


FIG. 2A

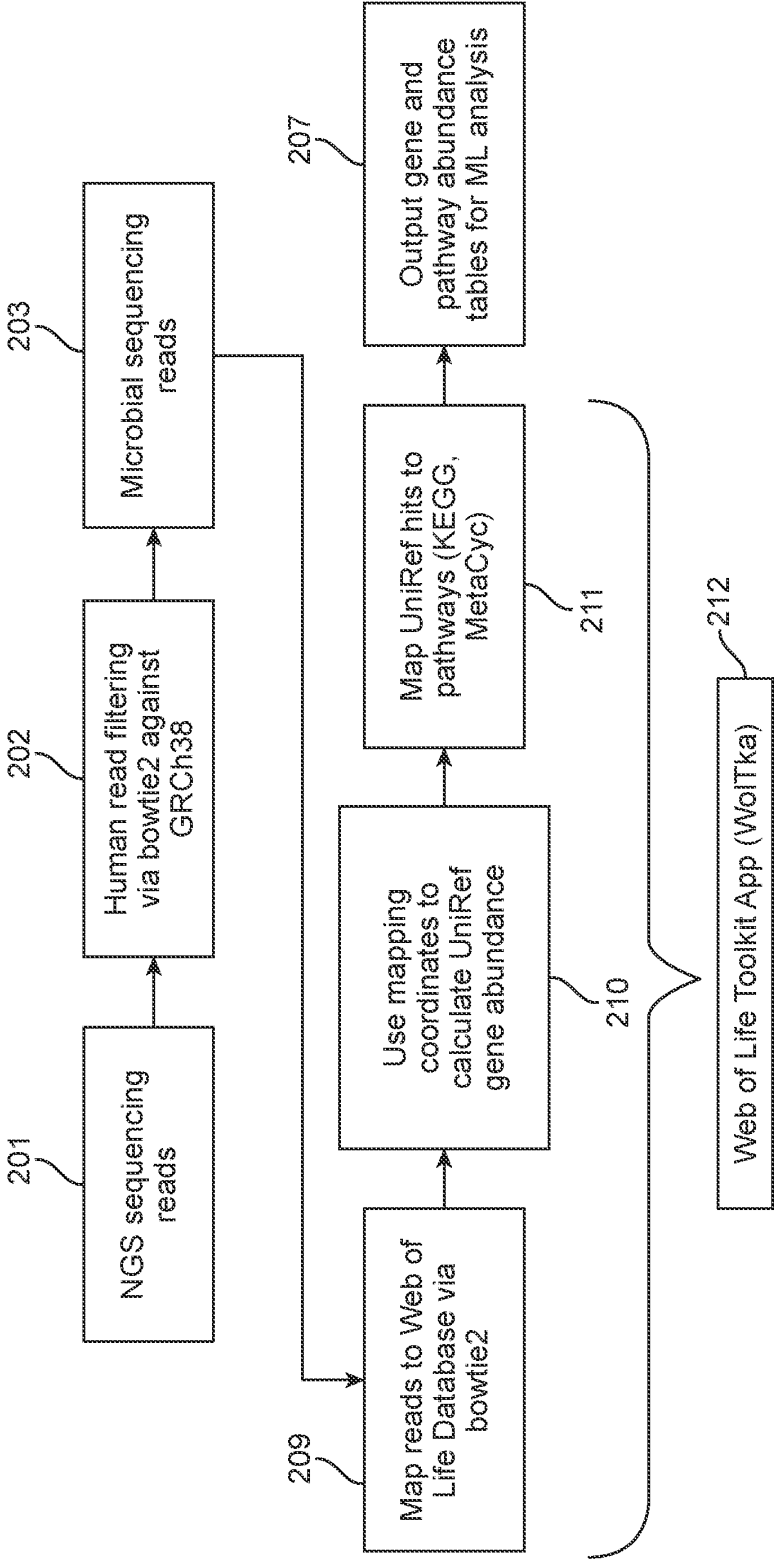


FIG. 2B

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Healthy Samples (n=166)	Cancer Samples (n=288)	Lung Disease Samples (n=109)
	• 151 Adeno • 91 Squamous • 29 Non-small cell lung cancer • 16 Small Cell	• 50 carcinoid • 19 hamartoma • 16 granuloma • 12 interst. fibrosis • 7 org. pneumonia • 5 bronchiectasis

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Humann pathways

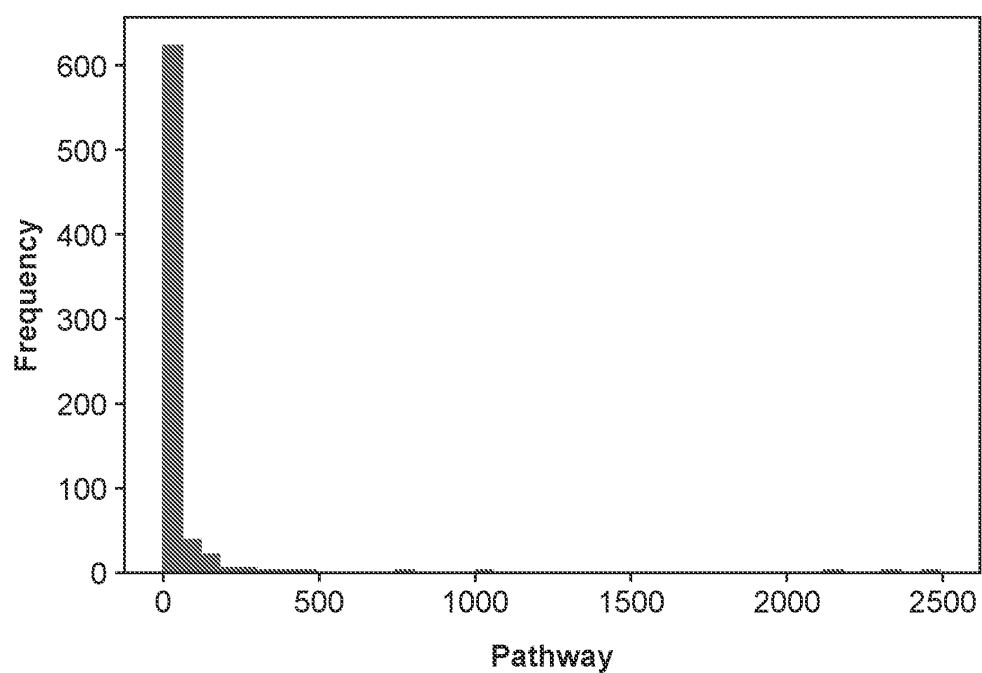


FIG. 4A

Woltka pathways

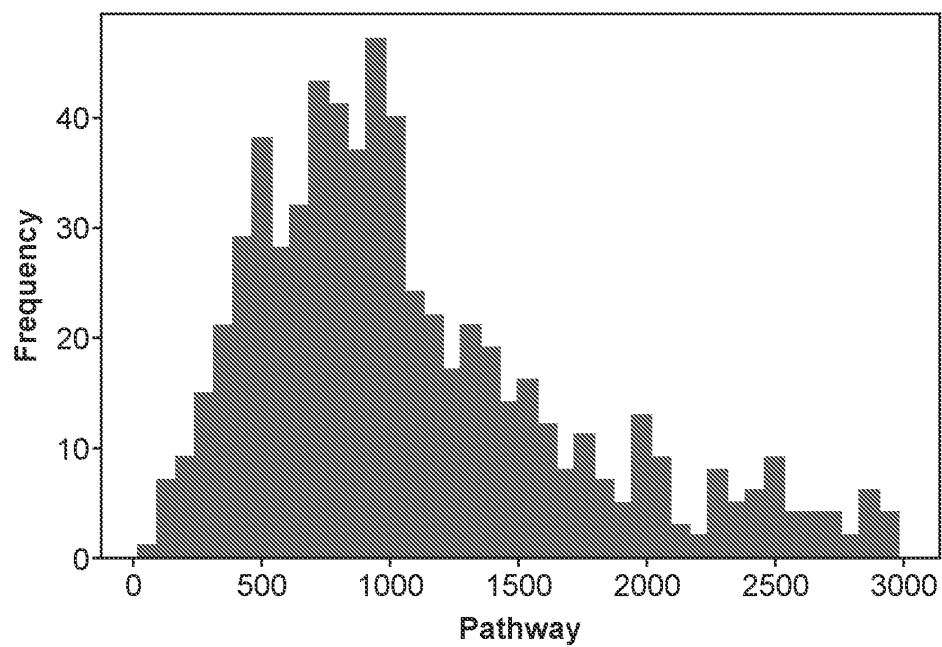


FIG. 4B

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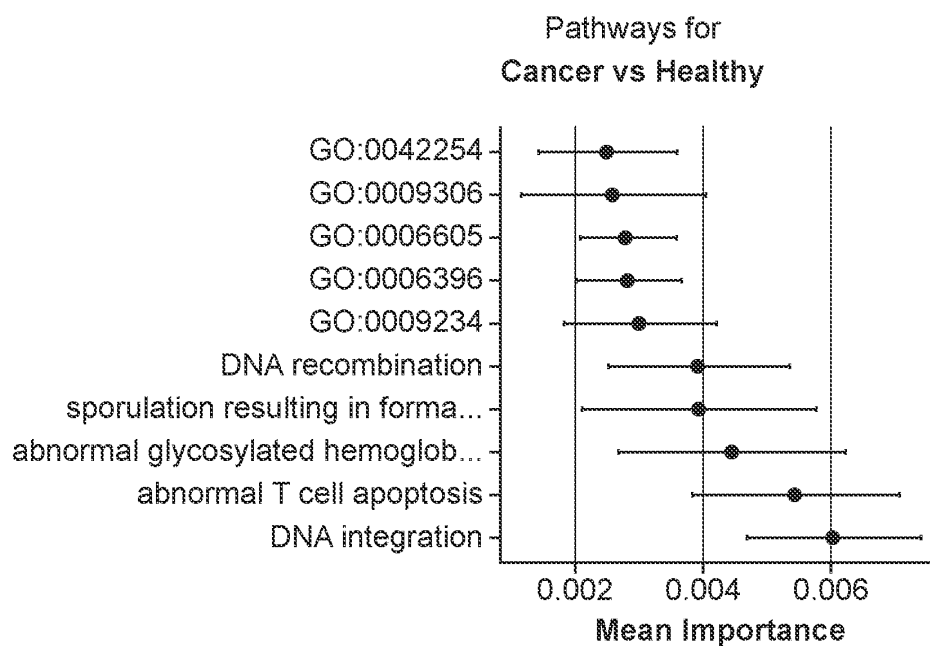


FIG. 5A

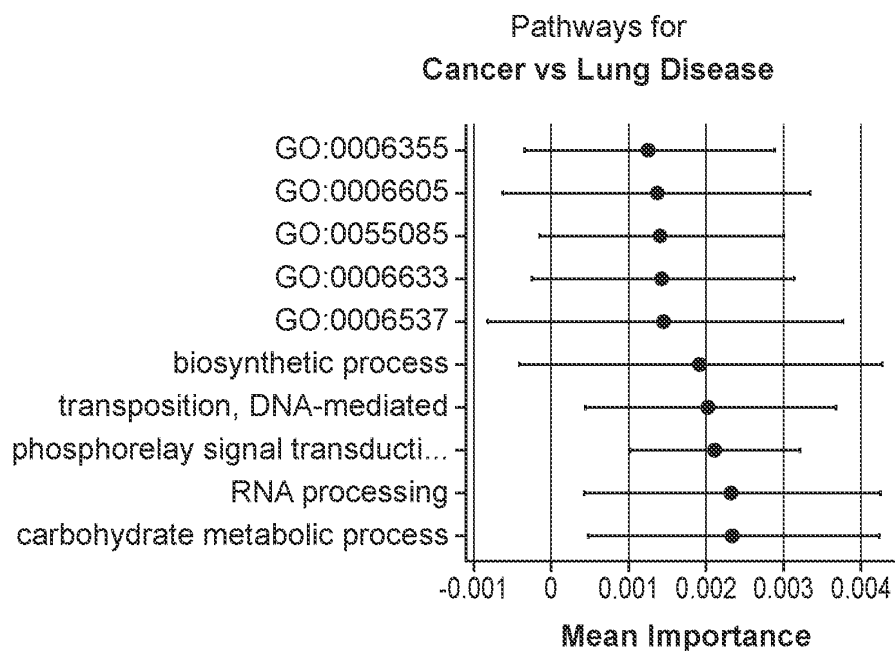


FIG. 5B

Woltka performance

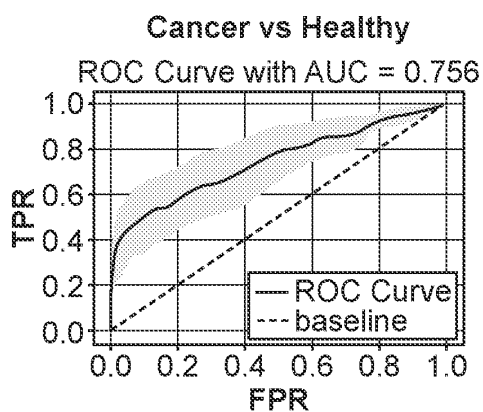


FIG. 6A

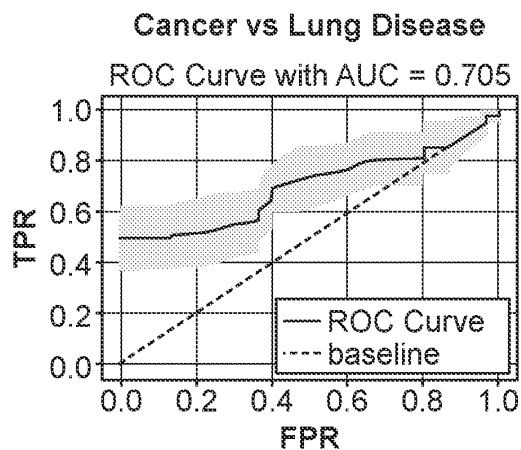


FIG. 6B

Microbial abundance

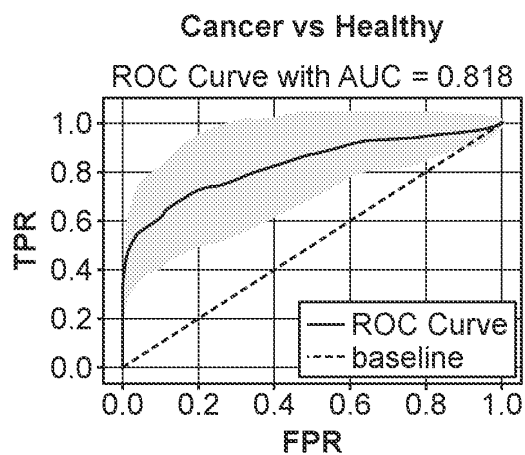


FIG. 6C

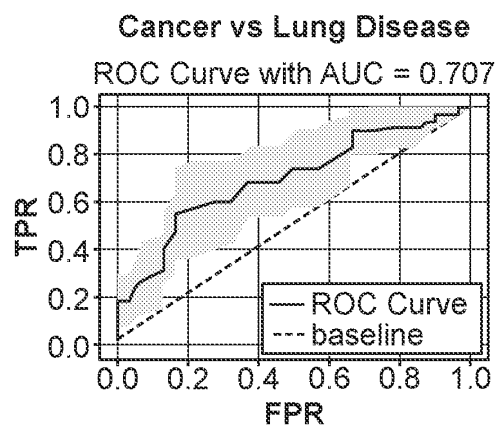


FIG. 6D

Sample info

Cancer Samples (n=288)	Lung Disease Samples (n=109)
• 151 Adeno • 91 Squamous • 29 Non-small cell lung cancer • 16 Small Cell	• 50 carcinoid • 19 hamartoma • 16 granuloma • 12 interst. fibrosis • 7 org. pneumonia • 5 bronchieatasis

FIG. 7

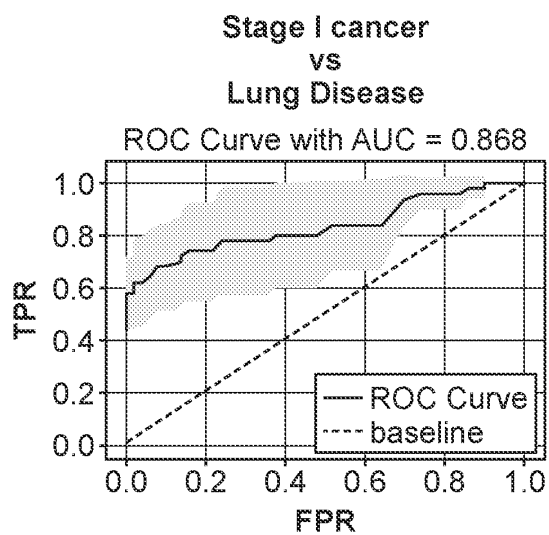


FIG. 8A

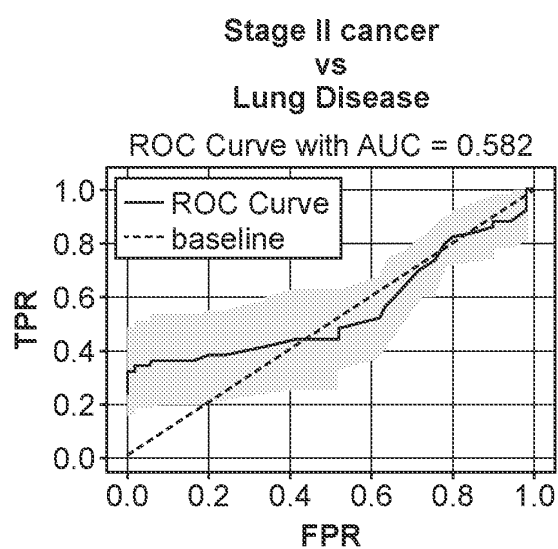


FIG. 8B

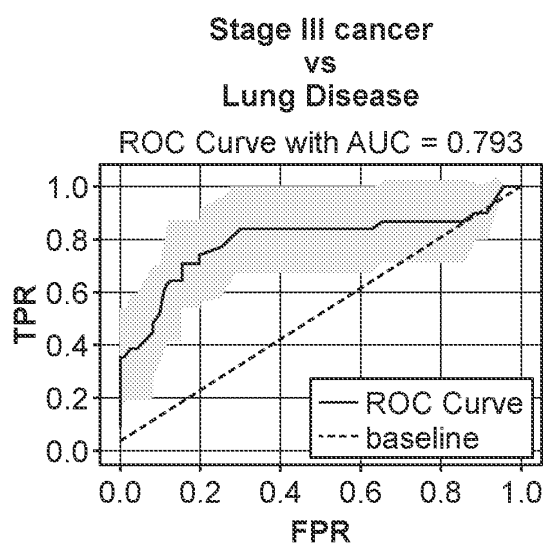


FIG. 8C

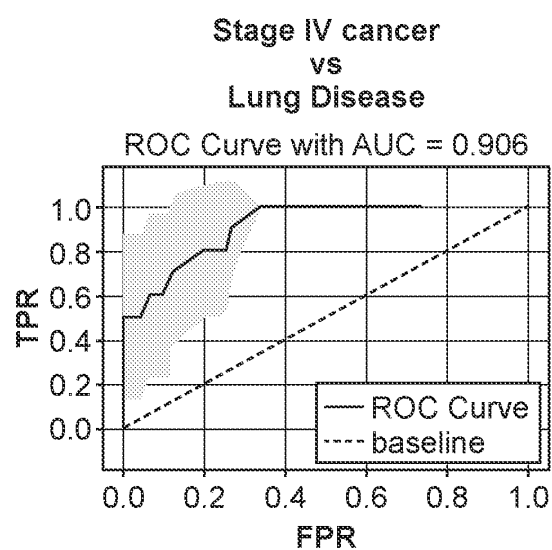


FIG. 8D

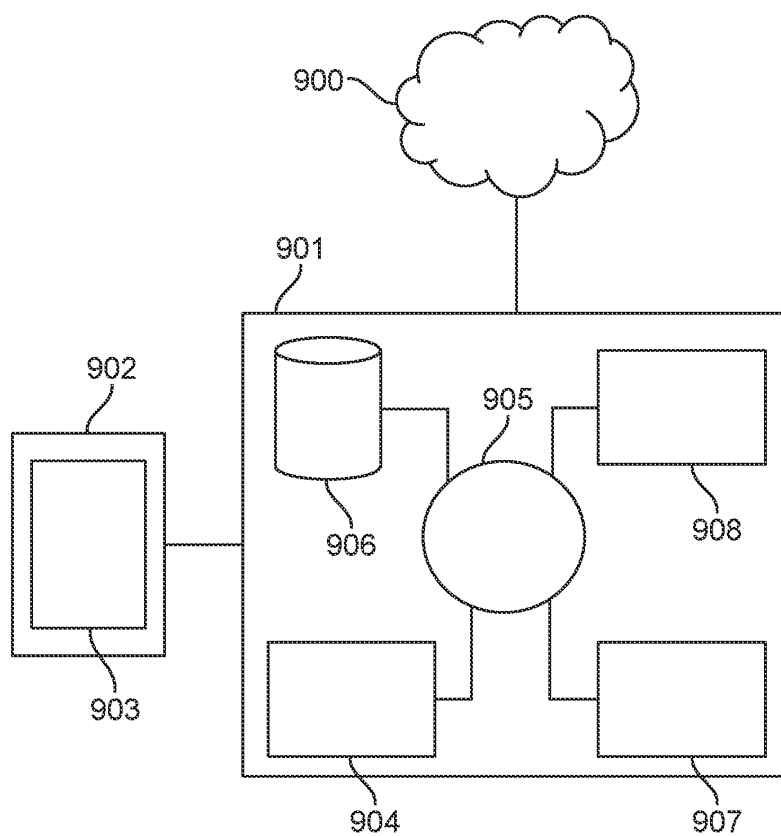


FIG. 9