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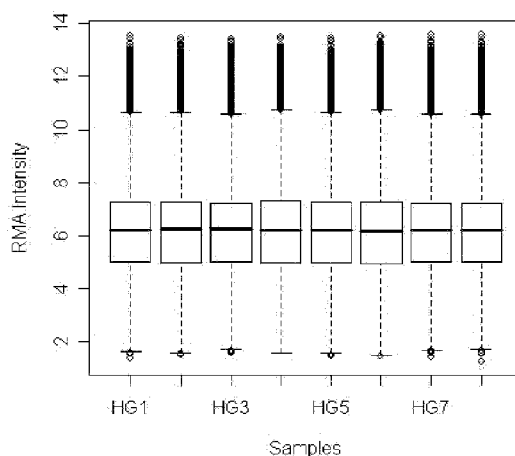


FIG. 1

(57) **Abstract:** The invention provides novel biomarkers, kits, and methods of diagnosing, prognosing, and subtyping IBS. In one aspect, the invention provides novel genomic biomarkers for diagnosing, classifying, providing a prognosis for, and assigning therapy for IBS in a subject in need thereof. In another aspect, the present invention provides novel algorithms for the diagnosis and prognosis of IBS.