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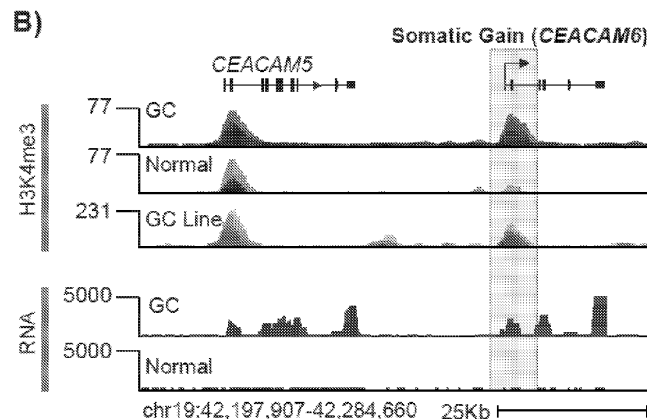
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(54) Title: EPIGENOMIC PROFILING REVEALS THE SOMATIC PROMOTER LANDSCAPE OF PRIMARY GASTRIC AD-
ENOCARCINOMA

FIG. 1



(57) Abstract: The present invention relates to a method for determining the presence or absence of at least one promoter or cancer associated promoter, or a method for cancer prognosis, each based on the isolation of a nucleic acid having signal ratio of H3K4me3 to H3K4me1 greater than 1 and detecting the change in signal intensity of H3K4me3 in the nucleic acid in the cancerous biological sample relative to the non-cancerous biological sample. A biomarker for cancer detection comprising a promoter having the change in signal intensity of H3K4me3 in the cancerous biological sample relative to a non-cancerous biological sample is also disclosed herein. In a separate invention, a method for modulating the activity of at least one cancer-associated promoter or a method for modulating the immune response is further disclosed, each involving an administered inhibitor of EZH2.

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