

The Cancer Genome Atlas Pilot Project
Johns Hopkins University and University of Southern California
Normalized Data Description

Platform: Illumina GoldenGate

Normalized Data

The normalized DNA methylation measurement is obtained by calculating the β (beta) value, representing the ratio of the Cy3 intensity relative to Cy3 + Cy5 intensities. The beta value is contained in a range of zero to one, with low beta values suggestive of unmethylated CpG loci and high beta values indicative of methylated CpG loci. The bounded beta value obviates the need for deriving log2 derivatives of Cy3 or Cy5 intensities.