**Supplementary Figure S1:** Upward bias of the probe intensities due to the high GC-contents. The left panel displays box plots of the probe intensities corresponding to a CEL file (3-2T.CEL). The vertical and the horicontal lines show the logarithmic of the probe intensities and the GC bins which are ranging from from 3 to 25. The right panel shows the histogram of the probe distribution across the GC bins.

