



Supplement 1. Differences between GC-content of 50kb segments containing duplicated (identical Alu including 50bp flanks), and the remaining "unique" Alu from June 2002 version of the human genome. With the exception of chromosome Y, duplicated Alus are in significantly more GC-rich DNA.

Yd=39.5 ; Yu=39.0; $P > 0.1$ (two-tailed t-test)
 Xd=41.5; Xu=39.4; $P < 0.001$ (two-tailed t-test)
 Ad=43.0; Au=41.1; $P < 0.001$ (two-tailed t-test)

Y, X and A denote average GC-content on chromosomes Y, X and autosomes in 50kb non-overlapping windows with duplicated (d) and unique (u) Alu.