

GENETICS

WHERE WE RECOMBINE

6.08.2006

Finally, and long awaited, there is a first detailed analysis of mutational hotspots in the human genome by Myers from the [McVean group in Oxford](#). There are roughly 1k-2k hotspots per chromosome, each 1kb-2kb long while there are no 200 kb without apparent recombination. Recombination avoids repeats, exons and L1 elements but likes GC as well as the THE1A/B 7mer CCT.CCC.T and the 8mer CCA.CGT.GG. As rec always needs double strand breaks, are these also the first cancer motifs found? Yea, yea.

CC-BY-NC Science Surf , accessed 01.05.2026, [click to save as PDF](#)
