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Cover Manhattan buildings represent Manhattan plots, which are a commonly used visualization technique for genome-wide association studies. The lights on the buildings represent single-nucleotide polymorphisms that have strong associations with the phenotype of interest. A mouse reveals a discovery hidden under the page—variants in a DNA repair gene, *Msh3*. In this issue, it is determined that inherited variants in *Msh3* affect genome integrity by causing instability in lengths of short tandem repeats. (Cover design inspired by the children’s Mouse Book series by Monique Felix. Cover illustration by Rahel Wachs, <https://www.rubberduckillustration.com>, Cynthia Wu, and Alon Goren. [For details, see Maksimov et al., pp. 689–702.]