

GENETICS

MONORAIL

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X chromosomal inactivation is difficult enough to understand – there are now some more data on autosomal monoallelic expression ([editorial](#) & [paper](#)). Up to 10% of 4,000 genes in clonal cell lines were found to be monoallelic expressed (and up to 20% in some B cell clones). Only odorant and T cell receptors are selectively expressed while all other genes are thought to be randomly silenced.

I wonder how any transmission disequilibrium test makes sense if a variant is only transmitted to a silent chromosome? Possibly there are also epigenetic feedback loops where proteins can remodel chromatin and induce epigenetic marks ultimately silencing a chromosomal region. In any case, a fundamental paper, yea, yea!

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