

Re: Paper: Expression profiling in primates reveals a rapid evolution of human transcription factors

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- *From:* "Perplexed in Peoria" <jimmenegay@xxxxxxxxxxxxxxx>
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"Robert Karl Stonjek" <rstonjek@xxxxxxxxxxxxxxx> wrote in message
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Expression profiling in primates reveals a rapid evolution of human transcription factors

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Abstract

Although it has been hypothesized for thirty years that many human adaptations are likely to be due to changes in gene regulation¹, almost nothing is known about the modes of natural selection acting on regulation in primates. Here we identify a set of genes for which expression is evolving under natural selection. We use a new multi-species complementary DNA array to compare steady-state messenger RNA levels in liver tissues within and between humans, chimpanzees, orangutans and rhesus macaques.

[snip]

Full Text at Nature

<http://www.nature.com/nature/journal/v440/n7081/full/nature04559.html>

Hmmm. Most of those primates eat raw fruits and vegetables. But one of them eats cooked meats, grains, and tubers. Which species do you think will have shown the most evolution of gene expression in the liver?

It is not the aspect of human evolution that most people get excited about.

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