

**S2 Table:** Correlation coefficients of human-primate divergence and functional content

Species pair	Spearman's $\rho$ overall	Spearman's $\rho$ post CpG filtering	Partial correlation controlling for GC content	Spearman's $\rho$ post gBGC filtering <sup>a</sup>	Partial correlation controlling for recombination	Spearman's $\rho$ when using 50kb-windows
Human-chimp	-0.235**	-0.252**	-0.291**	-0.243**	-0.269**	-0.186**
Human-orang	-0.204**	-0.232**	-0.289**	-0.255**	-0.241**	-0.184**

\*\*p-value < 2.2e-16

<sup>a</sup>Spearman's  $\rho$  after filtering sites possibly affected by GC-biased gene conversion (see text).