	HAR1	HAR2	HAR3	HAR4	HAR5	Total
Substitution Rates						
Human:Chimp	3.56	12.25	12.93	17.33	10.21	7.24
Human:(Chimp-Mouse)	76.45	50.32	46.08	20.17	9.27	25.87

Table S5. Comparison of estimated substitution rates in HAR1-HAR5. Substitution rates are posterior expected value of the number of substitutions using the method described in Siepel *et al.*[38] with the CONS model as prior. The human:chimp ratio is the estimated number of substitutions per site in human compared to chimp. The human:(chimp-mouse) ratio is the estimated number of substitutions per site per million years in human compared to the chimp-mouse phylogeny. Note that because rodent generation times are much shorter than human, we expect the rates in years to be *smaller* in human than in the chimp-mouse if the regions are evolving at the same rate per generation. Branch lengths for scaling rates in millions of years: human=5my, chimp-mouse=150my. Totals computed by concatenating the five elements.