Table 1: Partition of *H. sapiens* and *M. musculus* genes into age groups

	Age group*	# Genes	Coding region GC content		Protein length	
			Mean	SD	Mean	SD
Human	1	612	0.54	± 0.10	363	± 466
	2	97	0.53	± 0.11	441	± 352
	3	1202	0.54	± 0.10	518	± 504
	4	581	0.55	± 0.09	531	± 472
	5	648	0.52	± 0.09	477	± 424
	6	592	0.51	± 0.09	681	± 686
	7	605	0.53	± 0.10	571	± 400
	8	3914	0.54	± 0.09	557	± 498
	9	9023	0.53	± 0.09	525	± 399
	Total	17274				
Mouse	1	983	0.49	± 0.10	384	± 391
	2	39	0.51	± 0.07	590	± 446
	3	861	0.51	± 0.07	534	± 516
	4	854	0.50	± 0.08	464	± 428
	5	908	0.48	± 0.07	414	± 362
	6	708	0.50	± 0.07	623	± 659
	7	645	0.52	± 0.07	555	± 409
	8	4119	0.54	± 0.07	546	± 458
	9	9099	0.53	± 0.06	526	± 396
	Total	18216				

*Ordinal evolutionary age, relative to the reference species under analysis
Partition of all genes in *H. sapiens* and *M. musculus* into 9 non-overlapping age groups along the evolutionary tree. For each age group, the number of genes it contains, its average GC content (with standard deviation), and the average length of the proteins (number of amino acids/codons analyzed) that its genes encode (with standard deviation) are listed. The age groups are as in Figure 1.