

Table 1. Spearman's rank correlation coefficient (ρ) between various factors and d_N , d_S or d_N/d_S .

	d_N		d_S		d_N/d_S	
	ρ	P -value	ρ	P -value	ρ	P -value
Essentiality	-0.18982	2.04E-19	-0.10961	2.34E-07	-0.16634	3.35E-15
Expression pattern						
<i>ExpLev</i>	-0.05419	1.08E-02	0.01321	5.35E-01	-0.05691	7.40E-03
τ	0.16550	4.66E-15	0.10156	1.68E-06	0.14827	2.36E-12
Gene structures						
CDS length	0.06003	4.72E-03	0.07360	5.28E-04	-0.03684	8.31E-02
UTR length	-0.20655	8.98E-23	-0.05098	1.65E-02	-0.20025	1.79E-21
5'-UTR length	-0.13144	5.37E-10	-0.04018	5.87E-02	-0.12991	8.50E-10
3'-UTR length	-0.18623	9.76E-19	-0.03655	8.55E-02	-0.18115	8.54E-18
Intron number	0.07470	4.35E-04	0.08631	4.77E-05	0.06064	1.72E-02
Intron length (avg)	-0.11942	1.74E-08	0.01488	4.84E-01	-0.13444	2.14E-10

Note-Essentiality is 1 for essential genes and 0 for nonessential genes. P -values show the probabilities of the observations under the hypothesis of no correlation. The analysis is based on 2,214 mouse genes and their rat orthologs.