

Table 1. Nucleotide diversity and fraction of rare alleles in the EGP data set

Allele	#Rare SNP	SNP count	Rare DAF	Total heterozygosity	#Positions	π
exon	962	1,679	0.572960095	159.3238098	786,624	0.000202647
exoncons	651	1,053	0.618233618	87.82191304	597,325	0.000147074
exonnoncons	311	626	0.496805112	71.50189674	189,299	0.000378147
cns	462	836	0.552631579	82.83716848	322,803	0.000256731
cnscons	308	555	0.554954955	54.88990217	234,340	0.000234318
cnsnoncons	154	281	0.548042705	27.9472663	88,463	0.000316121
loose	1,206	2,330	0.517596567	256.9042717	747,847	0.00034371
loosecons	682	1,291	0.528272657	136.8985924	464,875	0.000294615
loosenoncons	524	1,039	0.504331088	120.0056793	282,972	0.000424386
intergenic	766	1,573	0.486967578	177.8974076	460,144	0.000386865
intergeniccons	257	515	0.499029126	59.10669565	182,608	0.000323824
intergenicnoncons	509	1,058	0.481096408	118.790712	277,536	0.000428357
intron	5,754	11,957	0.481224387	1427.020625	3,602,807	0.000396632
introncons	2,015	3,969	0.507684555	455.2697174	1,442,620	0.000315739
intronnoncons	3,739	7,988	0.468077116	971.7509076	2,160,187	0.000450144
strictintergenic	554	1,141	0.485539001	130.0871739	318,667	0.00040849
strictintergeniccons	180	359	0.501392758	41.03159239	125,529	0.00032701
strictintergenicnoncons	374	782	0.47826087	89.05558152	193,138	0.000461466
Introncd	4,075	8,571	0.475440439	1029.483174	2,574,129	0.000400171
introncdcons	2,659	5,498	0.483630411	647.4489239	1,737,951	0.000372741
introncdnoncons	1,416	3,073	0.460787504	382.03425	836,178	0.000457188
intergeniccd	366	781	0.468629962	97.86721196	215,508	0.000454419
intergeniccdcons	213	467	0.456102784	61.21931522	141,676	0.000432343
intergeniccdnoncons	153	314	0.487261146	36.64789674	73,832	0.000496793

Full data for SNPs taken from EGP. See *Methods* for how category partitions were generated. Rare SNP count included all SNPs with frequency ≤ 0.01 . cd data sets are based on chimp-dog alignable portions of the genome. All other data sets use four-genome (chimp, dog, mouse, rat) alignments.

