Supplementary table 1. P-values corresponding to testing the null-hypothesis that the number of SNPs is equal among each exon/intron of a gene tested with the Friedman test.

no exons	exons human	exons cattle	exons pig	introns human	introns cattle	introns pig
3	0	$6.88 \cdot 10^{-184}$	$1.97 \cdot 10^{-261}$	-	-	-
4	0	$6.45 \cdot 10^{-296}$	0	$2.38 \cdot 10^{-128}$	$6.43 \cdot 10^{-135}$	$2.17 \cdot 10^{-5}$
5	0	0	0	$3.55 \cdot 10^{-115}$	$5.56 \cdot 10^{-128}$	$1.97 \cdot 10^{-16}$
6	0	0	0	$2.35 \cdot 10^{-130}$	$4.25 \cdot 10^{-122}$	$8.25 \cdot 10^{-20}$
7	0	0	0	$2.66 \cdot 10^{-120}$	$2.13 \cdot 10^{-122}$	$5.03 \cdot 10^{-46}$
8	0	0	0	$1.37 \cdot 10^{-132}$	$2.28 \cdot 10^{-124}$	$1.63 \cdot 10^{-42}$
9	0	0	0	$4.58 \cdot 10^{-153}$	$2.45 \cdot 10^{-127}$	$3.52 \cdot 10^{-42}$
10	0	0	0	$3.10 \cdot 10^{-146}$	$9.68 \cdot 10^{-118}$	$1.79 \cdot 10^{-50}$
11	0	$5.88 \cdot 10^{287}$	0	$2.57 \cdot 10^{-139}$	$1.38 \cdot 10^{-115}$	$3.84 \cdot 10^{-34}$
12	0	0	0	$2.30 \cdot 10^{-156}$	$1.30 \cdot 10^{-130}$	$5.22 \cdot 10^{-47}$
13	0	$2.20 \cdot 10^{-247}$	0	$6.94 \cdot 10^{-135}$	$6.15 \cdot 10^{-110}$	$1.03 \cdot 10^{-48}$
14	0	$2.47 \cdot 10^{-244}$	0	$4.69 \cdot 10^{-126}$	$5.91 \cdot 10^{-98}$	$1.61 \cdot 10^{-54}$
15	0	$2.59 \cdot 10^{-182}$	0	$1.49 \cdot 10^{-102}$	$1.90 \cdot 10^{-76}$	$1.56 \cdot 10^{-47}$
16	0	$4.53 \cdot 10^{-187}$	0	$2.01 \cdot 10^{-106}$	$8.70 \cdot 10^{-95}$	$3.82 \cdot 10^{-58}$
17	$2.78 \cdot 10^{-320}$	$1.26 \cdot 10^{-136}$	0	$6.59 \cdot 10^{-94}$	$5.74 \cdot 10^{-77}$	$1.33 \cdot 10^{-36}$
18	0	$2.80 \cdot 10^{-147}$	0	$4.53 \cdot 10^{-83}$	$2.85 \cdot 10^{-66}$	$1.50 \cdot 10^{-46}$
19	$1.03 \cdot 10^{-272}$	$1.56 \cdot 10^{-123}$	$2.67 \cdot 10^{-302}$	$1.05 \cdot 10^{-62}$	$4.34 \cdot 10^{-76}$	$1.61 \cdot 10^{-20}$
20	$4.12 \cdot 10^{-271}$	$9.16 \cdot 10^{-114}$	$1.57 \cdot 10^{-298}$	$6.80 \cdot 10^{-76}$	$4.94 \cdot 10^{-53}$	$8.32 \cdot 10^{-37}$
21	$1.69 \cdot 10^{-239}$	$8.38 \cdot 10^{-90}$	$2.01 \cdot 10^{-242}$	$5.11 \cdot 10^{-88}$	$4.85 \cdot 10^{-58}$	$2.06 \cdot 10^{-22}$
22	$9.07 \cdot 10^{-204}$	$6.10 \cdot 10^{-99}$	$3.10 \cdot 10^{-262}$	$3.35 \cdot 10^{-60}$	$1.91 \cdot 10^{-49}$	$1.37 \cdot 10^{-29}$
23	$3.00 \cdot 10^{-206}$	$1.63 \cdot 10^{-100}$	$8.02 \cdot 10^{-207}$	$2.37 \cdot 10^{-100}$	$8.17 \cdot 10^{-59}$	$6.51 \cdot 10^{-35}$
24	$1.89 \cdot 10^{-157}$	$5.41 \cdot 10^{-58}$	$1.69 \cdot 10^{-194}$	$7.40 \cdot 10^{-54}$	$3.26 \cdot 10^{-55}$	$2.32 \cdot 10^{-38}$
25	$2.17 \cdot 10^{-134}$	$5.78 \cdot 10^{-42}$	$5.77 \cdot 10^{-168}$	$4.50 \cdot 10^{-43}$	$5.02 \cdot 10^{-39}$	$2.33 \cdot 10^{-15}$
26	$1.06 \cdot 10^{-123}$	$1.92 \cdot 10^{-65}$	$1.43 \cdot 10^{-145}$	$2.82 \cdot 10^{-35}$	$2.75 \cdot 10^{-30}$	$1.23 \cdot 10^{-21}$
27	$2.41 \cdot 10^{-105}$	$1.21 \cdot 10^{-48}$	$1.95 \cdot 10^{-172}$	$4.43 \cdot 10^{-35}$	$8.66 \cdot 10^{-39}$	$7.64 \cdot 10^{-22}$
28	$2.99 \cdot 10^{-122}$	$2.64 \cdot 10^{-54}$	$1.31 \cdot 10^{-106}$	$3.95 \cdot 10^{-43}$	$6.23 \cdot 10^{-26}$	$8.70 \cdot 10^{-13}$
29	$5.96 \cdot 10^{-65}$	$2.57 \cdot 10^{-26}$	$5.14 \cdot 10^{-102}$	$8.47 \cdot 10^{-19}$	$1.05 \cdot 10^{-25}$	$3.52 \cdot 10^{-20}$
30	$1.08 \cdot 10^{-84}$	$1.09 \cdot 10^{-38}$	$1.90 \cdot 10^{-89}$	$5.68 \cdot 10^{-38}$	$3.87 \cdot 10^{-29}$	$9.75 \cdot 10^{-09}$

Table S1: P-values corresponding to testing the null-hypothesis that the number of SNPs is equal among each exon/intron of a gene tested with the Friedman test