

Supplementary Material

21st, 22nd chromosomes

We don't show *P*-value for positions which belong to 0.9995 confidence interval. $E_e = -0.999$ $V_e = 0.06498$. $E_i = -1.003$ $V_i = 0.06898$.

Limits of 0.9995 confidence interval are -0.952 and -1.046 for exonic and -0.958 and -1.048 for intronic positions. The larger the *P*-values are the more significant positions. The largest *P*-values are associated to the most significant positions.

5'ss

Position\ exon	Hydrophobicity value	P-value
-2	-1.05	-
-1	-1.25	97.67
Position\ intron		
1	-1.36	183.97
2	-0.76	86.11
3	-1.18	44.52
4	-1.07	6.17
5	-1.26	92.23
6	-0.93	8.76

3'ss

Position\ intron	Hydrophobicity value	P-value
-26	-0.93	7.25
-25	-0.94	-
-24	-0.93	7.25
-23	-0.94	6.65
-22	-0.92	9.92
-21	-0.94	5.89
-20	-0.90	16.83
-19	-0.93	8.31
-18	-0.90	14.71
-17	-0.88	20.78
-16	-0.89	18.42
-15	-0.88	23.65
-14	-0.86	30.79
-13	-0.84	37.45
-12	-0.85	34.71
-11	-0.85	34.26

-10	-0.85	26.06
-9	-0.87	25.93
-8	-0.84	38.39
-7	-0.83	42.26
-6	-0.83	42.75
-5	-0.85	36.52
-4	-0.98	-
-3	-0.78	71.26
-2	-1.07	6.36
-1	-1.36	183.97
Position\ exon		
1	-1.13	26.38

U2\U12

We don't show *P*-value for positions which belong to 0.9995 confidence interval. $E = -0.996$ and $V = 0.0652$.

Limits of 0.9995 confidence interval are -0.941 and -1.051 for both exonic and intronic positions. The larger the *P*-values are the more significant positions. The largest *P*-values are associated to the most significant positions.

5'ss GC-AG U2

Position\ exon	Hydrophobicity value	P-value
-2	-1.05	-
-1	-1.34	181.68
Position\ intron		
1	-1.36	202.28
2	-0.76	85.80
3	-1.08	9.40
4	-1.09	12.78
5	-1.35	191.30
6	-0.84	34.77

3'ss GC-AG U2

Position\ intron	Hydrophobicity value	P-value
-26	-0.92	8.53
-25	-0.86	29.45
-24	-0.90	13.73
-23	-0.89	16.78
-22	-0.91	12.04
-21	-0.91	10.97
-20	-0.93	6.40
-19	-0.91	11.24
-18	-0.93	6.2
-17	-0.87	25.75
-16	-0.89	18.42
-15	-0.85	34.77
-14	-0.86	28.19
-13	-0.83	44.62

-12	-0.86	28.19
-11	-0.83	44.09
-10	-0.87	24.19
-9	-0.84	39.54
-8	-0.84	37.12
-7	-0.86	28.19
-6	-0.85	34.77
-5	-0.84	37.12
-4	-0.96	-
-3	-0.77	82.22
-2	-1.07	8.24
-1	-1.36	202.29
Position\ exon		
1	-1.20	65.24
2	-0.93	7.22
3	-1.04	-
4	-1.02	-
5	-1.03	-
6	-0.96	-

5'ss GT-AG U2

Position\ exon	Hydrophobicity value	P-value
-1	-1.01	-
-2	-1.27	111.99
Position\ intron		
1	-1.36	202.28
2	-0.76	85.80
3	-1.25	100.68
4	-1.07	8.93
5	-1.33	165.19
6	-0.95	-

3'ss GT-AG U2

Position\ exon	Hydrophobicity value	P-value
-26	-0.98	-
-25	-0.97	-
-24	-0.96	-
-23	-0.94	-
-22	-0.95	-
-21	-0.92	9.96
-20	-0.93	6.40
-19	-0.92	8.53
-18	-0.89	17.10
-17	-0.96	-
-16	-0.94	-
-15	-0.93	6.6
-14	-0.88	20.49
-13	-0.89	17.10
-12	-0.89	17.43
-11	-0.83	42.04
-10	-0.85	34.77
-9	-0.89	19.10
-8	-0.90	15.52

-7	-0.85	32.95
-6	-0.81	52.80
-5	-0.80	61.68
-4	-1.00	-
-3	-0.77	78.71
-2	-1.07	8.24
-1	-1.36	202.29
Position\ exon		
1	-1.18	52.63
2	-0.98	-
3	-1.03	-
4	-1.04	-
5	-0.97	-
6	-1.09	15.42

5'ss GT-AG UI2

Position\ exon	Hydrophobicity value	P-value
-2	-0.89	18.42
-1	-0.91	12.04
Position\ intron		
1	-1.36	202.28
2	-0.76	85.80
3	-1.07	8.24
4	-0.76	85.80
5	-0.76	85.80
6	-0.76	85.80
7	-0.77	82.22
8	-0.87	26.15
9	-0.87	24.19

3'ss GT-AG UI2

Position\ intron	Hydrophobicity value	P-value
-21	-0.93	7.65
-20	-0.85	34.77
-19	-0.81	52.80
-18	-0.82	50.0
-17	-0.84	39.1
-16	-0.91	12.31
-15	-0.91	10.72
-14	-0.96	-
-13	-0.92	9.23
-12	-0.93	6.21
-11	-0.92	8.31
-10	-0.90	15.21
-9	-0.95	-
-8	-0.91	12.31
-7	-0.94	-
-6	-0.89	16.78
-5	-0.90	13.73
-4	-0.89	18.09
-3	-0.81	55.10
-2	-1.07	8.24
-1	-1.36	202.29

Position\ exon		
1	-0.98	-
2	-0.88	22.3
3	-0.97	-
4	-0.89	18.76

5'ss AT-AC UI2

Position\ exon	Hydrophobicity value	P-value
-2	-0.91	10.72
-1	-0.97	-
Position\ intron		
1	-1.07	8.24
2	-0.76	85.80
3	-1.07	8.24
4	-0.76	85.80
5	-0.76	85.80
6	-0.76	85.80
7	-0.76	85.80
8	-0.79	65.43
9	-0.82	50.0

3'ss AT-AC UI2

Position\ intron	Hydrophobicity value	P-value
-20	-0.93	7.43
-19	-0.84	37.12
-18	-0.85	32.50
-17	-0.79	68.63
-16	-0.82	47.27
-15	-0.84	36.64
-14	-0.86	29.45
-13	-0.91	12.04
-12	-0.94	-
-11	-0.90	13.15
-10	-0.90	13.43
-9	-0.94	-
-8	-0.89	18.75
-7	-0.98	-
-6	-0.97	-
-5	-0.87	24.19
-4	-0.88	22.30
-3	-0.78	71.92
-2	-1.07	8.24
-1	-0.76	85.81
Position\ exon		
1	-1.00	-
2	-0.85	35.23
3	-0.97	-
	-0.96	-