

Table S2: Scoring matrix for 5' donor splice sites based on matrices from Zhang *et al.* (1998), where 1 is the first base of the intron and the scores are the probability of a base not appearing at a position.

Low GC Introns (under 50%)	1	2	3	4	5	6
A	1.00	1.00	0.29	0.27	0.89	0.79
C	1.00	1.00	0.98	0.94	0.94	0.90
G	0.00	1.00	0.76	0.92	0.25	0.86
T	1.00	0.00	0.97	0.87	0.92	0.45
High GC Introns (over 50%)	1	2	3	4	5	6
A	1.00	1.00	0.62	0.30	0.95	0.87
C	1.00	1.00	0.96	0.91	0.95	0.79
G	0.00	1.00	0.44	0.86	0.14	0.75
T	1.00	0.00	0.98	0.93	0.96	0.59