

**Table 1.** cDNAs examined for splicing of predicted introns and pseudointrons

**Fidelity of intron  
removal by RT-  
PCR sequencing**

Gene	intron size	times not spliced	clones sequenced	clones with at least 1 intron not spliced	pseudointrons tested
TFIID	20	1	27	9	
	19	5			
	18	3			
	19	0			
	19	3			
tatc	21	0	8	0	
Eif6	19	0	7	0	
	19	0			
	19	0			
	19	0			
	19	0			
rpL4A	19	0	4	0	
	21	0			
rps12	19	0	14	0	
	20	0			
1-ABA27176	19	5	16	13	
	18	5			
	21	7			
	19	5			
	19	4			
	19	2			
	19	6			
	19	10			
	19	6			
prp like (II)	18	2	14	4	
	21	3			
	20	3			

	19	1			EXON 5 (107092)- GTCAAAGAATAATATTAAG
	19	1			
	19	0			

prp 22 (I)	19		16	4	
	19	3			EXON 3 (36578)- GTTTAAATAATTTATGGAG
	19	2			
	19				

prp 43 (I)	20	0	16	3	
	19	0			
	20	0			EXON 4 (33256)- GTTTATTTAATGTTATAG
	19	1			
	19	0			
	18	2			

	intron size	times not spliced	clones sequenced	clones with at least 1 intron not spliced
<b>Summary</b>	18	12	122	33
	19	54		
	20	4		
	21	10		
		number of		
	intron size	introns	% not spliced	
total number	18	73	16%	
of each size	19	400	14%	
sequenced	20	87	5%	
	21	42	24%	
total number of introns not spliced		80	13.3%	
total number of introns sequenced		602		

<b>Fidelity of intron removal from ESTs</b>					
Gene	intron size	times not spliced	clones sequenced	clones with at least 1 intron not spliced	pseudointrons tested
1 – sf3b4	19		1		

	18			
	19			
	20			
	20			
1 – ABA27149	19		1	
	19			
	20			
1-tcp1-e	19		1	
	19			
	19			
1 – rps15	18(1)		1	
1 – rpl32	19		1	
	19			
	18			
1-ABA27187	19		1	
	20			
	18			
	20			
	19			
	19			
	19			
1 – Morn1	19		2	
	19			
	19			
	19			
1 – clpP2	20	1	4	1
	20			
	19			
1 – ysh1p	19		1	
	20			
	19			
	19			
	19			

1 – ABA27214	19		1	
1 – dib1	21 19 19		1	
2 – rpl3	19 19 19 19		3	
2 – rpl10e	19 19		1	Exon 3 (37844) GTCAATTAAGAATAAAAAG
2-ABA27249	19 18 19		1	
2-ABA27251	19 19 20 19 19	2	3   1	2
2-rps16	19(2) 18 19 19 19	1 (3) 1 1 1 1	2	1
2-RNapol1-40KDa	19 19 19 18 18 19		1	
2-rpl0a-2	18 20		1 2	
2 – ABA27248	19		1	

18

2 - ABA27312	18 20	1(4)	
2-rpl27	19 18		
2 - rps18	19 18	1	
2-ABA27323	20 19 20 19 19	1	
2 - H4	18	1	
3 - ABA27368	18 19 19 (1)	1	
3 - ABA27403	19 19	1	
3 - ABA27391	19 19 19	1	
3 - ABA27416	19 20 19 19	1	
3 - ABA27352	19	1	3'UTR (14465) GTTATAAAAAGTAGAAAAG
3 - ygu5	19 19 18 19 19	2	

3 - rps2	19 19	2
3 - rps4	20 19 19 19	1
3 - rps6	19 19 20 21	1
3 - sap62	19	1
3 - eIF2-g	20	1
3 - ycf16	20 19 20 19	2

	intron size	times not spliced	clones sequenced	clones with at least 1 intron not spliced
<b>Summary</b>	18	1	49	4
	19	6		
	20	1		
	21	0		
number of				
	intron size	introns	% not spliced	
total number	18	18	5.6%	
of introns done	19	108	5.6%	
for each size	20	30	3.3%	
	21	2	0.0%	
total number of introns not spliced		8	5.1%	
total number of introns sequenced		156		

<b>Total RT+EST</b>	number of	
	introns seq	% not spliced
	760	11.6%
	not spliced	88

(1): introns in 3'UTR

(2): region in one clone only

(3): an EST including all 5 introns may be spurious

(4): This EST contains both ABA27312 and rpl27, both in sense strand