

Supplementary Materials

Supplementary Table 1. References of alternative exons that were collected from the literature (the last four are diseases caused by exonization of *Alu*).

Numbers as in Fig 1A	Gene name	Reference
22	Integrin b1	(8)
23	CHRNA3	(4)
24	AcCHR	(5)
34	HPK1	(3)
35	Dnmt1	(2)
36	TGM4	(1)
48	GYRATE (OAT)	(6)
49	COL4A3 (Alport)	(7)
50	GUSB (SLY)	(10)
not shown*	CCFDN	(9)

* Alternative exonization derived from *Alu* left arm.

Reporting Exons Sequences

The ADAR2 wt exon (the exonizing sequence is in capitalized letters, while the flanking intronic splice sites is in lower case):

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ttttttttttttttttgagacagGGTCTCGCTCTTACACCCAGGCTGGAGTGCAGT  
GGTGCAATCATGGCTCACTGCAGCCTCGACCTCCTGGGCTCTTAAG  
CGATCCTTCCACCTCAACCTTCCAAGGAGCTGGGACTACAGgcatgtac
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The PGT intronic *Alu*

ttttttttttttttttgagACGGAGTTTCACCCTTGTTGCCAGGCTGGAGTGCA
ATGGCACGAtCTCAGCTAACTGAAACCTCCGCCTCCCAGgttcaagcgatt
ctcctgcctcagcctcctagcagctaggattacaagcatgcgccaccacaccagctgattttgattttt

The IKAP intronic *Alu*

ttttctttgtttttttttgagacagAGTCTTGCTCTGTCACCCAGGCTGGAGTACAG
TGGCGCAATCTCGGCTTACTGCAACCTCTGCCTTCTGGGTTCAAGC
AATCCTCCCCTTCAGCCTCCCGCATAACTAGGATTACAGgtgtgcacc
acgcctggctaattt

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