Supplementary Figure 3



(c)		3'SS	-7	proximal		distal			5'SS
[Alu Sp	G	ÂG	AC	GG	AG	TTT	CGG GT
	-3	Hominidae	G	AG	AC	GG	AG	ттт	CAG GT
	T01	Hylobates, Theropitheo	, G	AG	AT	GG	AG	ттт	CAG GT
	M	Macaca*	G	AG	AT	GG	AG	TTT	CAG - T
		Colobinae*	G	AG	AC	AG	AG	TTT	CAG GT

Figure 3: Exonization scenario for MTO1-3.

(a) Structure of the human *MTO1* gene homolog (Li et al. 2002) and a magnification of the exonization of the Alu Sp element in Catarrhini excluding Macaca.

(b) Phylogenetic mapping of the important molecular events affecting the inserted Alu Sp element in the various analyzed primate lineages (topology same as in fig. 1). 1 nt del: deletion of 1 nt probably resulting in a loss of exonization. distal AG: preference of the distal splice site in Colobinae probably led to the loss of exonization.

(c) Sequence region of the potential 3í and 5í alternative splice sites. All other symbols are the same as in Figure 1.