

L1, full-length, 3 sequences.

Name	: Sequence around 5' junction	Sequence around 3' junction
6_34700	: aaatagAtgtAAAGAAATaTTAAAgggggGAggagccAaGatgG	tccccAaaaAAATAAATcTTAAaataaGAtctcatAtGcaaG
5_106582	: AcAttAATcAtATAAGTATaTATACgggaggAgcCAAgatgGccg	AaAaaATaAaATAAGTATgTATACccatcacAcaCAAaccaGtaa
3_180780	: ttgAcAtAaAcAgAAACGTaCCATGggaggAgcCAaGaTggccgA	aaaAaAaAaAaAAAAAGTgCCATGttccaAtgCAcGtTtctacA

L1, 5'-truncated, 56 sequences.

Name	: Sequence around 5' junction	Sequence around 3' junction
1_54586	: tcAaAatagctgtTaaAaAaATATGgggAggggaaTatcaCactc	atAtAtatatataTAtAtAtATATGattAaaaactTAaatCgtgt
21_12106	: tAAaaTAtAcTATgtcccttAAAAAaACAcgCATAttctcacgc	aAAcTaaAgTATAataaaaaAAAAATACAtgaCATaatattatg
10_62164	: ttaccattaTtAtAtAttttAAAGgaactggAaatAcCaTTTGac	aagtataatTaAaAaAaaaaAAAGgtactcAtgaAgCtTTTGgt
4_206535	: AAAtAtgcAgtggtAAGAAATGTTCAaTatGatgcagCataaAA	AAAaAaaaAaaaagAAGAAcGTTCAAtTctTcatggtCatggtAA
10_183468	: acaTgtAtgAAttggtcttAACAAacAgcaTgggtactggtAcCa	ttcAaaaAaaAaaaaaAaaaAAACAAAtgAagtTaccgggttaAggt
4_130851	: AAtGAACAcgggctAtttcttAGAAACAGAAATAgcAtTgggagAt	AAaGAAaAgaaaaAaaaaaAGAAATAGAAATAcAaATttttaAa
16_85891	: gAcAtgAAAcctgcAAAtAcAGAGAAgACatTtaTgcaGccAaaa	tAtAatAAAA

Alu, full-length, 51 sequences

Name : Sequence around 5' junction

3_180405 : ttttctctAcct**AAATAAAAAAGTTAC**ggcGgggGcgGgtggCtcac

4_8108 : ttAAGcctttt**AAAAGGTGgGCTCC**GgCcGgGcgGgGtGcCTcAc

4_124277 : AccAcAttAtttAagat**AAATGTTCC**ggccGgGcgGgtgggtcac

4_176766 : tggctccct**AAATAAAGTAcAGTAA**ggccGgGcgGgTggctCAC

4_187611 : ggtAAAgtt**TAAACTTCaATGTCC**ggcGgGcGcgGtGctcac

5_200227 : gtctAttgcAgtt**AAAAAATATTTG**ggccggGcgGgtGctcac

5_214126 : tttgcttAttgttAtag**AAATTTTT**tggccGggGcgGtGgTcA

6_130582 : AgAAAgAAAgcTcAgTcA**AAAAATtAAATGCG**ggccGgGCGGcG

7_41848 : tActgAAActtttttttctt**AAGAA**ggggccggGcgGgtgggtc

7_63371 : AttAtAAcAttAAaAaCc**CTCCT**ggccgggGcgGgtGgCtcac

7_155113 : Atttttgtctttt**AAAAAATTTTT**ggccgggGcgGgtgggtCac

9_148010 : cAaAAAttgtctTcttA**AAaAAATA**ggccgggGcgGtGctCac

13_90964 : cAttAAActtcttaa**AATaAATTA**ggcGggGcgGtGctCac

14_93366 : gctctAttgcAgtt**AAAAAATTAATGTG**GcGgGcGcgGgtGctAcg

16_56508 : AAggtcAgttAttt**AAAAACATCTT**ggCgggGcgGgtGgTcAc

16_59524 : tAAtAAActctgcttAtttt**AAAAACTTGCG**GcgGcgGgtgg

26_50390 : Atttttcttct**AAATAAAAAAGAA**ggccgggGcgGgtGctcAc

720_37 : tagaAActAcTtAgCTCctc**AAAACTCTGAAATT**ggCGgGtGc

3564_161 : tCaatTtccttAgttAAttc**AAAAGcTCCC**ggccaggGcgagtg

3896_39 : tta**AAAcAAAAAAGAGATATGT**TggcTggTgcGgtGct

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26_52213 : ctTttactgCtAAggcAtttAAAAGgcTcAcgcctgtAatCccag | acTccgtctCaAAaaaAaaaAAAAGaaTaAtttactcAcaCtgct
19328_40 : ctgcAtttAAAATTATAAGtGCTCAgccAgGcaTggtggcTcacg | aaaaAaaaAAAATTATAAGaGCTCAatgAaGtgTaaatatTtggt
1145855_1 : AActtctAtgAagcatcAttAGAATgTcTtTaaAtggcTCaCGCc | AAaaatgAatAgaagaaAaaAGAATaTgTcTttAaaatTCaAGCa

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Additional file 3. Sequences around 5-bp assumed TSDs. Nucleotides identical between 5' and 3' junctions are in uppercase. TSDs if we allow a 1-bp nucleotide substitution sandwiched by ≥ 2 -bp stretches of homologous nucleotides are shaded in yellow.