```
                        10        20        30        40        50        60        70        80        90       100       110       120
                        5' TSDs                   Pol A Box                                         Pol B Box
Consensus       TACGTTTAAAATAAAGATTTA--GGGGCGCCTGGGTGGCGCAGTCGGTTRRGCGTCCGACTTCAGCCAGGT CACGATCTCGCRGTCCGTGAGTTCGAGCCCYGCGTCGGGCTCTGGGCTGATGGCTCRGAG
F. catus        ....................--------------------------------------------------------------------------------------------------------
P. caracal      ...................---........................AA...............................G...................C.........................G...
P. marmorata    ................-----........................GG...............................A...................T.........................A...
Leopardus       ...................TTT........................AA...............................G...................C.........................A...
L. rufus        ...A........................-------------------------------------------------------------------------------------------------

                        140       150       160       170       180       190       200       210       220       230       240       250
                >>>>>>>>>>(CT) rich region>>>>>>>>>>>>>>>>                  >(CT) rich region *************Poly-A/T Tail****************************
Consensus       CCTGGAGCCTGTTTCCGAYTCTGTGTCTCRSTCTCTCTCTGCCCC--------------------------------AAAAATRAATAAA---CKTKRAAAAAAAWWA-------------------------
F. catus        ------------------------------------------------------------------------------------------------------------------------------
P. caracal      ..................C..........CC..............TCCCCCGTTCATGCTCTGTCTCTCTCTGTCCC......A......AAA·G·GA.......TT·AAAAAATAAAAATAAAAATA----
P. marmorata    ..................T..........CC..............TCCCCCGTTCATGCTCTGTCTCTCTCTGTCCC......G......---·G·TG.......AA·-------------------------
Leopardus       ..................T..........TG..............--------------------------------......A......---·T·TA.......AT·----AATAAATAA------------
L. rufus        ------------------------------------------------------------------------------------------------------------------------------TTTT

                        270       280       290       300       310       320       330       340       350       360       370       380
                *************Poly-A/T Tail**(RC)*** <<<<<<<<<<<<<<<<<<<<(CT) rich region(RC)<<
Consensus       ------------------------------------------------------------------------------------------------------------------------------
F. catus        ------------------------------------------------------------------------------------------------------------------------------
P. caracal      ------------------------------------------------------------------------------------------------------------------------------
P. marmorata    ------------------------------------------------------------------------------------------------------------------------------
Leopardus       ------------------------------------------------------------------------------------------------------------------------------
L. rufus        TTTTTAAATTTTTTTTTTCAACGTTTATTTATTTTTGGGACAGAGACAGACCATGAACGGGGGAGGGGCAGAGAGAGAGGGAGACCCAGAATAGGAAACAGGCTCCAGGCTCTGACCCATCACCCCAGAGCC

                        400       410       420       430       440       450       460       470       480       490       500       510
                       Pol B Box(RC)                                          Pol A Box(RC)             5' TSDs
Consensus       ------------------------------------------------------------------------------------------AAATAAAGATTTATTTTTAATCCAAGTTTTCATGAAGAGTAAT
F. catus        ------------------------------------------------------------------------------------------................T...........
P. caracal      ------------------------------------------------------------------------------------------.............................
P. marmorata    ------------------------------------------------------------------------------------------TTT..........................
Leopardus       ------------------------------------------------------------------------------------------.................................
L. rufus        CGACACGGGGCTCGAATCCACGGACCGCGAGATCGTGACCTGGCTGAAGTCGGACACTTAACCGACTGCGCCACCCAGGCGCCCC-------.....................................
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Figure S1 Alignment of four unique CanSINE insertion events occurring at locus 133135 in the caracal (*Caracal caracal*), marbled cat (*Pardofelis marmorata*), ocelot lineage (genus: *Leopardus*) and bobcat (*Lynx rufus*) with the homologous region without CanSINE from *F. catus* sequence as a reference. The *L. rufus* CanSINE is in reverse orientation, RC (reverse complement). Yellow-highlighted regions mark target site duplications and gray-shaded regions denote the A and B RNA polymerase III recognition sequences.