

```

          *           20           *           40           *           60           *           80
Rhin-1A :                               tgataactcatgtggtggattctgcgccctcctaactagattgagg
Rhin-1B : cactgatccaaatctgcacagttgataaagttctattagaacaagtaaaataactcttacagtgggtgtgagggtagtattc

          *           100          *           120          *           140          *           160
Rhin-1A : acatgagctgctgctgatctctttaaGGGTGGCCGGCTGGCTCAG-TGGTTAGTTGGAGC-GTGAGCTCTCAACAACAAGG
Rhin-1B : ttgtcctgtaagaaaaagtccttGGGTAGCCAGTTAGCTCAGTTGGTTAGA--GTGCAGTG--CTCTTAACAACAAGG
          ----Box A----

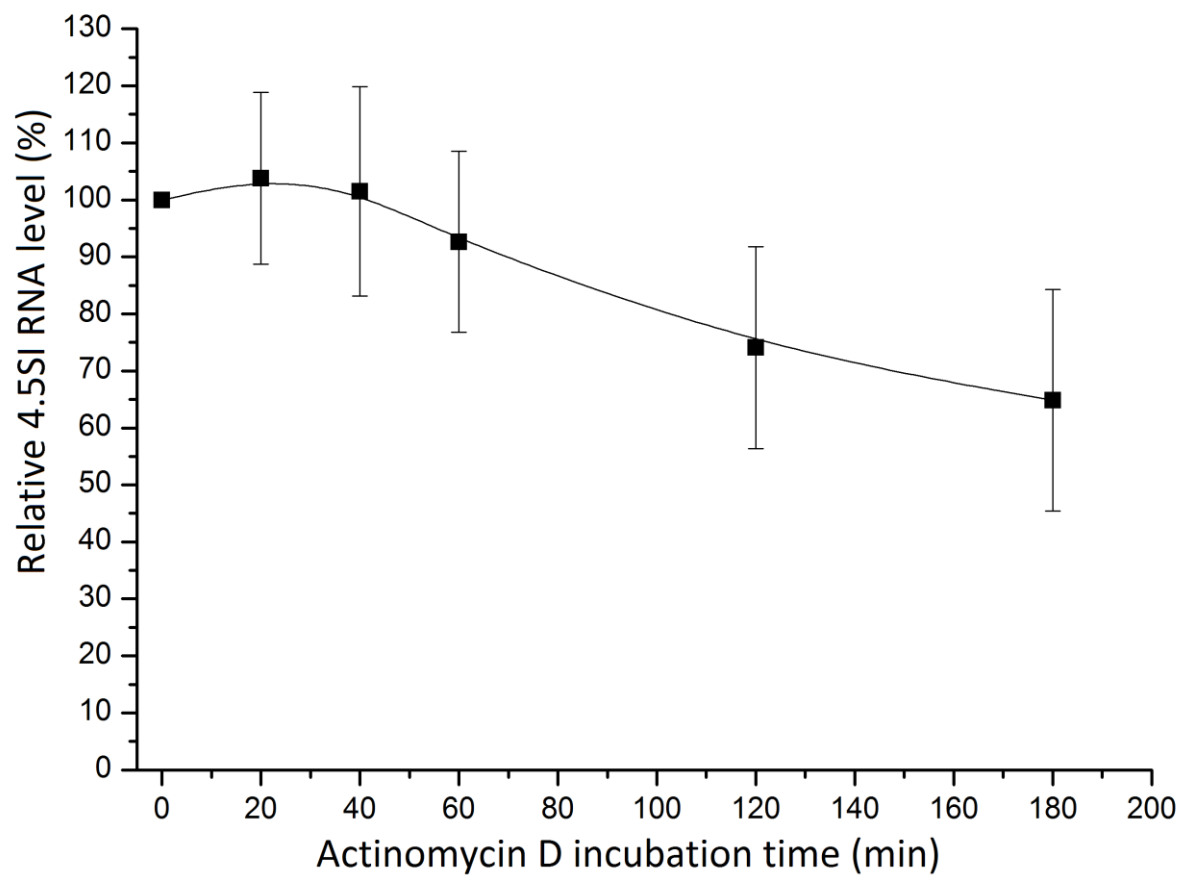
          *           180          *           200          *           220          *           240
Rhin-1A : TTGCCGGTTCAATTCTTGCAATGGG--ATGGTGGGCTGCGCCACCAGCAACTAGGTTTGAAAACAGCGACTGGACTTGGAG
Rhin-1B : TTGTTCGGTTCGATCCCCACATGGGCCACTGTGAGCTG-----
          ---Box B---

          *           260          *           280          *           300          *           320
Rhin-1A : CAGGGCTGTGCCCTCCACAACCTAGATTGAAGGA----TAATGACTTGGAGCTGATGG-TCCCTTGGAAAA-ACACACTGT
Rhin-1B : -----CGCCCTCCACAACCTAGATTGAA-ACCTTCTACTTGACTTGGAGCTGATGGGTCC--TGG-AAAATACACACT-T

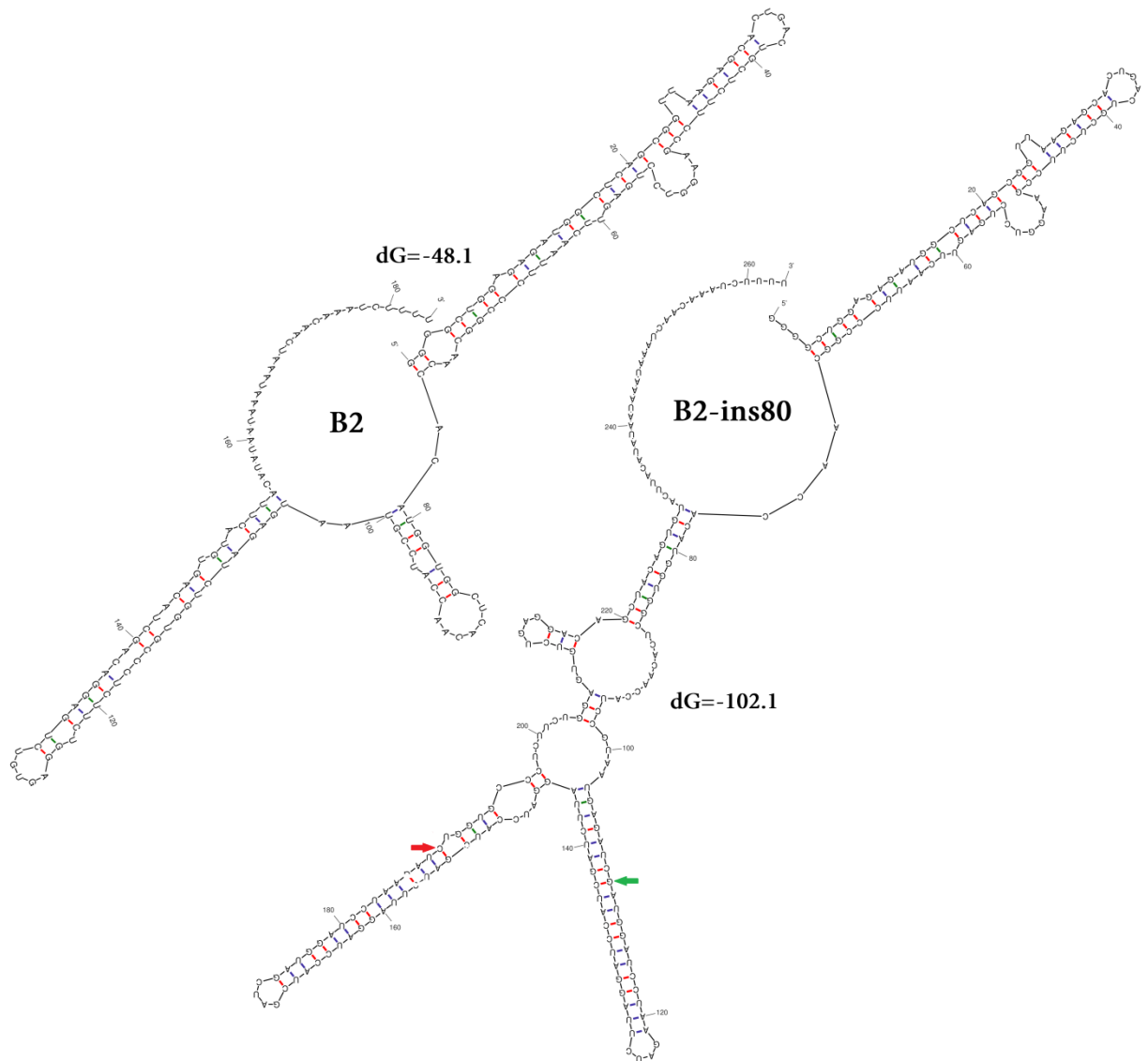
          *           340          *           360          *           380
Rhin-1A : TCCCCAATATTCCCCAATAAAA--TTTTTTT
Rhin-1B : A----AATA-----AATAAAAGGTTTTTTTTTTTTaaaaaaaaaaaaaggttgacctataactctttaa
          Hexamer  AATAAA  Transcription terminator

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ESM_1. Alignment of nucleotide sequences of Rhin-1A and Rhin-1B SINEs. The DNA fragments were isolated from the Greater horseshoe bat (*Rhinolophus ferrumequinum*) genome and cloned into pGEM-T plasmid. The SINE sequences are shown with capital letters and flanking sequences are shown with lowercase letters.



ESM_2. The level of 4.5S RNA (control) in transfected HeLa cells following actinomycin D treatment. The graph is based on data from 30 transfection experiments (error bars, s.d.).



ESM_3. Predicted secondary structures of the transcripts of SINE B2 and B2 with 80-nt insertion (B2-ins80). 5'- and 3'-ends of the insertion are marked with green and red arrows, respectively.