A

tRNA-derived

```
LM    -------------------------------TAGGTAGCATTCTTGCCTCTGAGTCAGAGGGTCATAGGTTCAAATCTACCTG---AGGACCCT
TE    CATTTCAATTAATGGGCGGCACGGTGGCGTGGTGGTTAGCACTGTTGCCTCACAGCAAGAAGGTCCTGGGTTCAATTCCACCCAGTTGGGACA--
tRNA  ----------------GCCCGGATAGCTCAGTCGGTAGAGCATCAGACTTTTAATCTGAGGGTCCAGGGTTCAAGTCCCTGTTCAGGCGCCA--
                                  * * ***       * **   *    ** ****   ******* **           * *
```

B Box

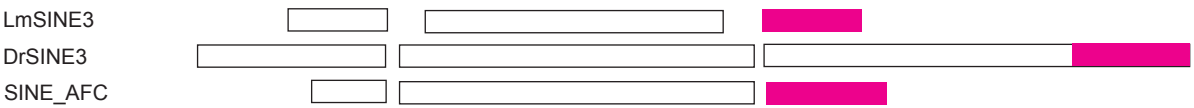
B

Internal region

```
Lm  ----------------------------------GGACATATTCCATCTG----CCAACACCCTAGCATGGTGTTTGGGGGCAGGCTGTGCTGTTGAAGGG-GCCGTCTTTCAGATGA
Dr  AAGTGGTGTTAGTGAGGCCAGCAGGGGGCGC--TCAACCTGTGGTCTGTGTGAGTCCTAATGCCCCAGTAAAGTG---AAGGGGACACTATACTGTCAGTGGGCGCCGTCTTTCGGATGA
Hs  ATGAGCTGTGGATGAT-TCAGTAGGTGGCACAATTTTCACTGAGTCAGTACT-GAACTGATGCCCCAGCATGGTA--TGAAGGGGCACTGCACTGCTGGAGGT-GTCGTCTAATGGATGA
                                                  **  *       *  *  *** ** *  **       **    **   ***     **  * *****    *****

Lm  GATGATAAACTGAGGTCCTGTCTACTCTGTGGACATTAAAGATCCCATGGCACCTTTTNCAAAGAGTAGGGGTG---TTAACCCCAGTGTCCTGGCCATAATTCC
Dr  GACGTTAAACCGAGGTCCTGACT-CTCTGTGGTCATTAAAAATCCCATGGCACTTCTCGTAAAGAGTAGGGGTG---T-AACCCCGGTGTCCTGGCCA-AATTCC
Hs  GG-GTAAAACCAAGGTCTTGACCAC-CAGCAGTTATTAAAAATCCCATGGCACTTTTCA-AAAGAGTAAAGATGATGTTAAACCCTGTGTCCTGGCTA-ATTTCC
    *  *  ****  ***** ** *  * * *  *  ****** ************ * *   ********  * **   * ** *** ********** * * ****
```

C



LINE-related

```
Lm   --CCCAGAGTGCTTTGAG---ATCCTTCAGGAT--GAAAGGTGCTATATAAATGCAGA--ACCAACCAA----------
Dr   ATTGTGAAGCGCTTTGGGTGTATGGCCATACACAATAAATGCGCTATATAAATACACATTACATTACATTA--------
AFC  --TGTAAAGCGCTTTGGG---GTCCTTAGGGACTAGAAAAGCGCTATATAAATACAGGCCATTTACCATTATTATTATT
           ** ****** *    *        *    *** * *********** **    *     **
```