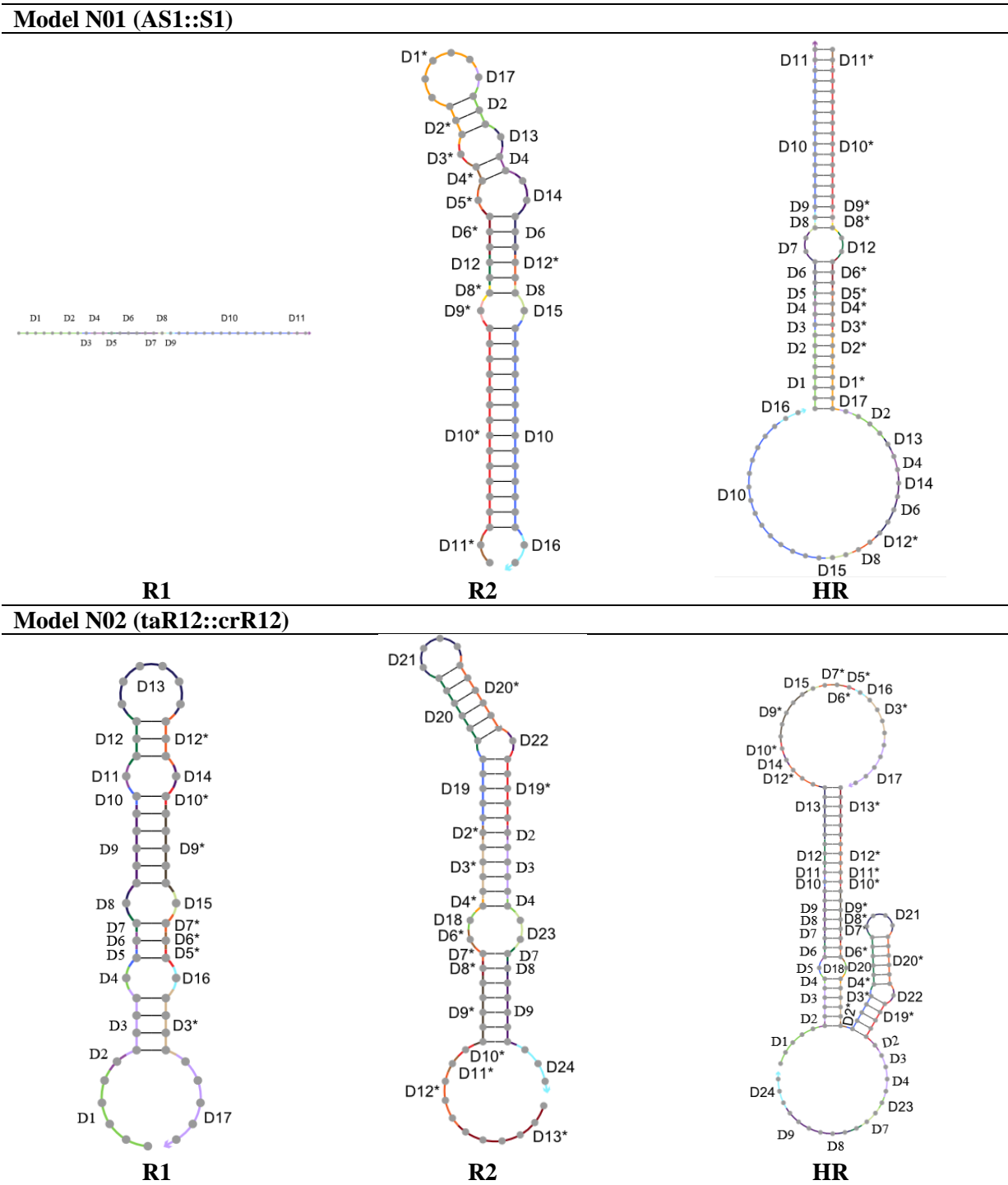


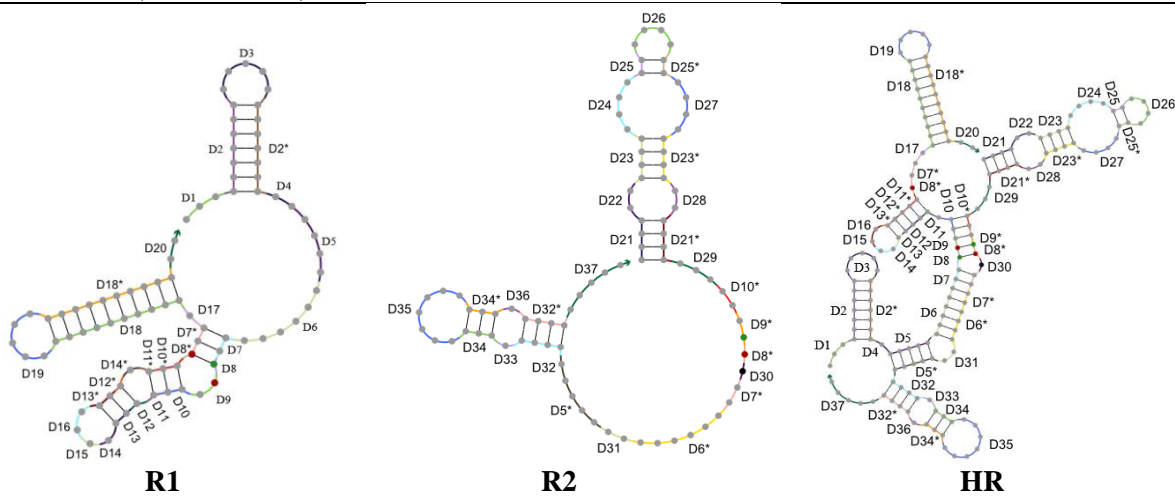
**Supplementary Data 2** List of test model and their secondary structures of RNA-RNA interaction models used for tool assessment



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**Model N03 (DsrA::mreB)**

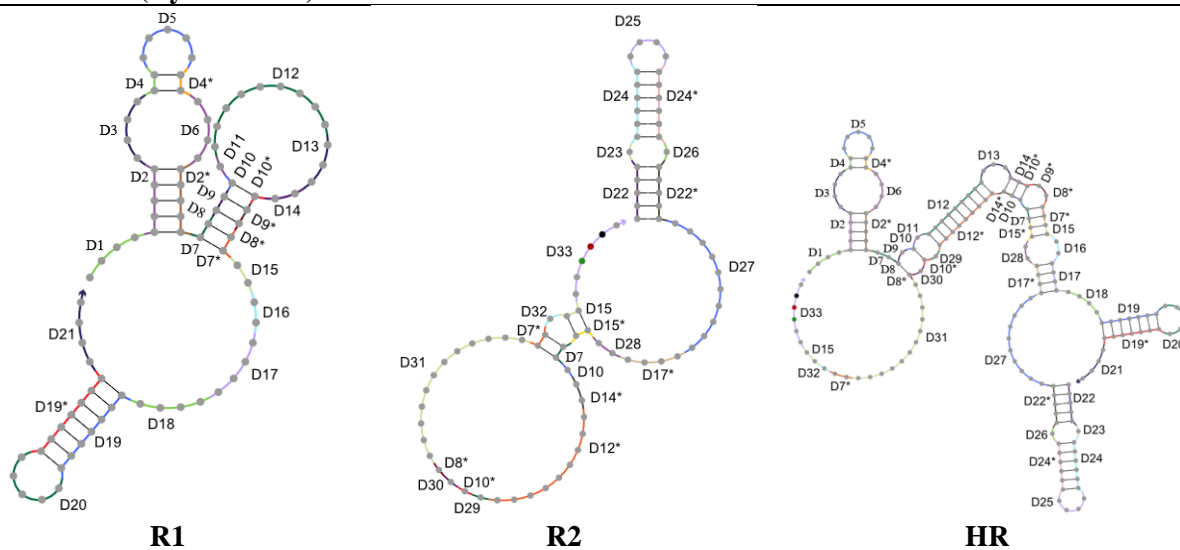

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**Model N04 (RyhB::SodB)**

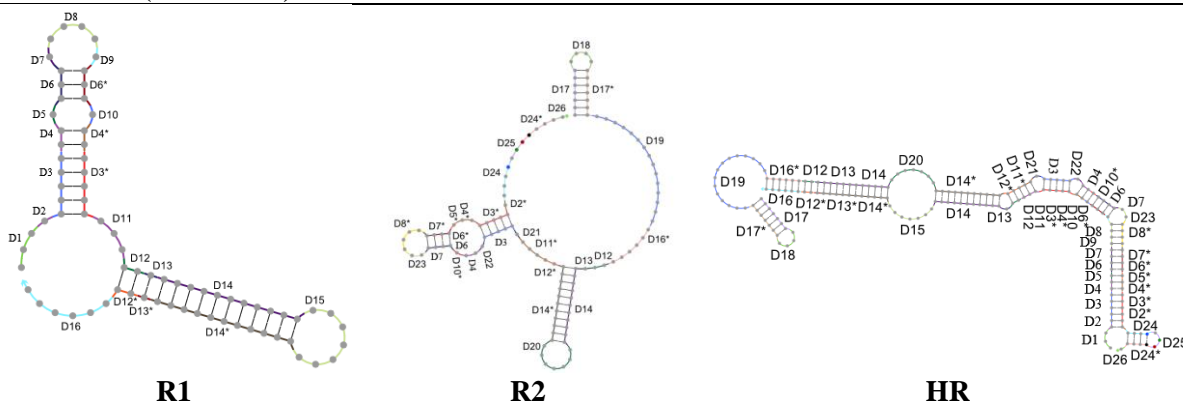

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**Model N05 (FinP::traJ)**

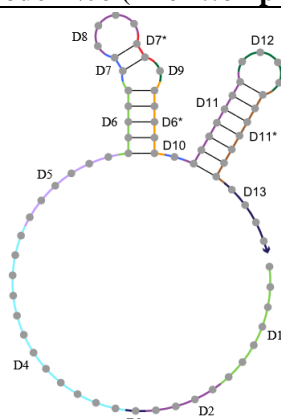
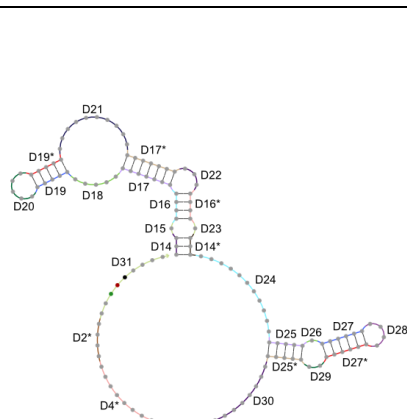
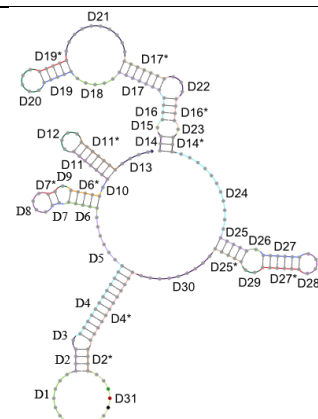

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**Model N06 (MicA::ompA)**

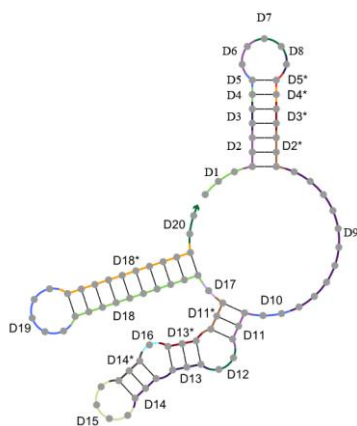
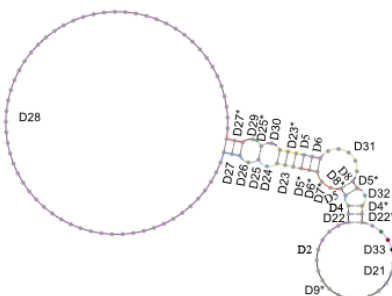

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**R1****R2****HR**


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**Model N07 (DsrA::Rpos)**

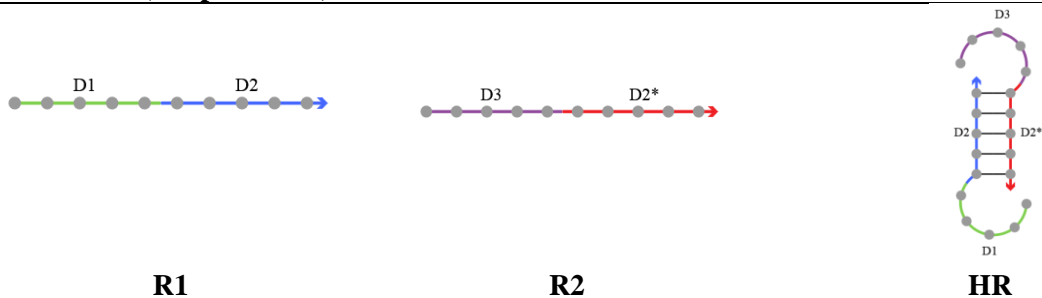

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**R1****R2****HR**

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**Model A01 (Simple model)**

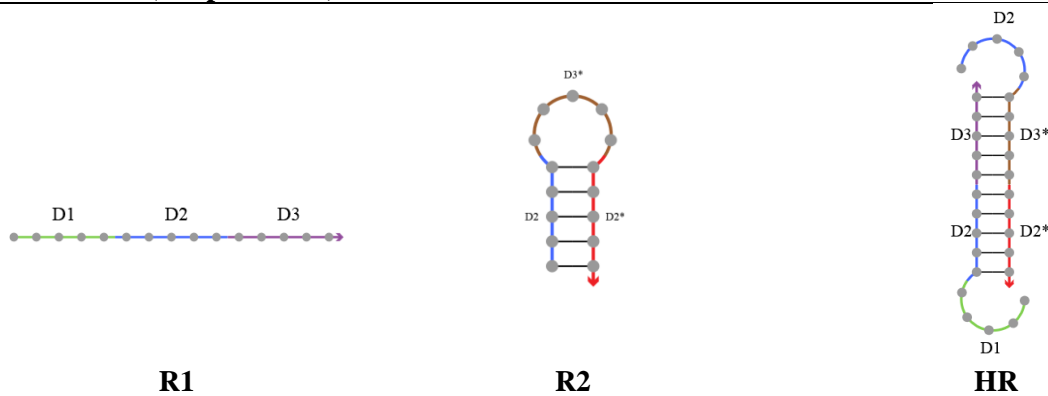

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**Model A02 (Simple model)**

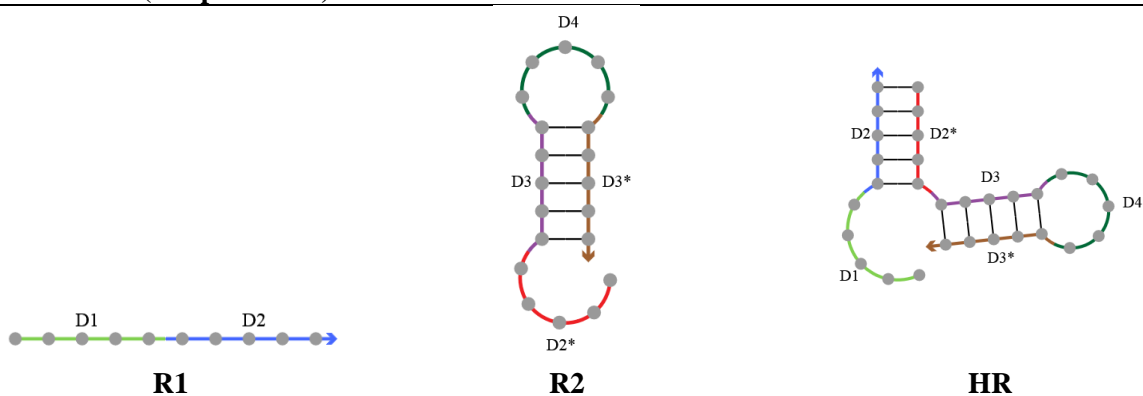

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**Model A03 (Simple model)**

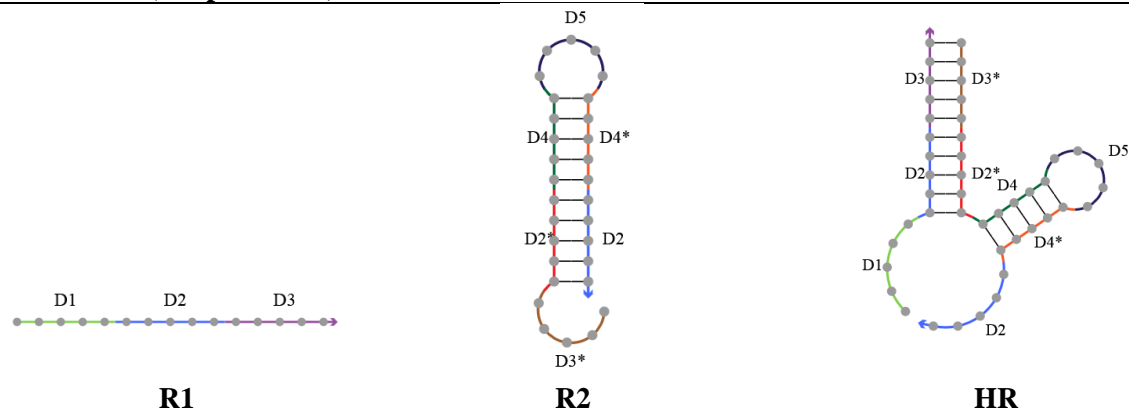

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**Model A04 (Simple model)**

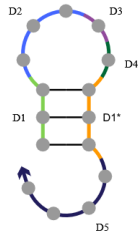
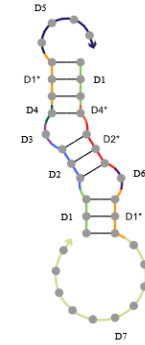

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**Model A05 (Prion Pseudoknot)**

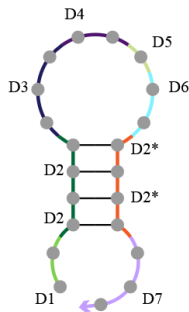
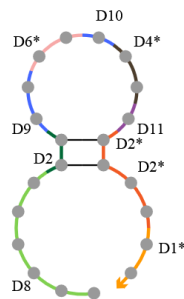
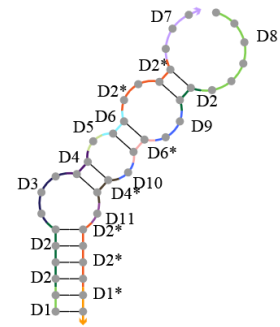

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**R1****R2****HR**


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**Model A06 (Human astrovirus)**

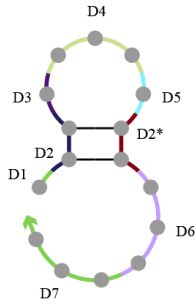
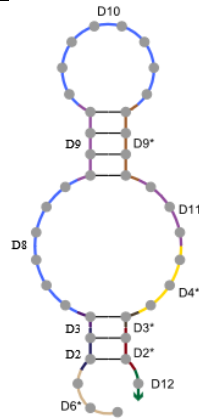
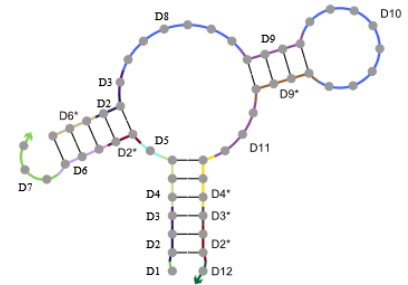

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**R1****R2****HR**


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**Model A07 (RF00008.11)**

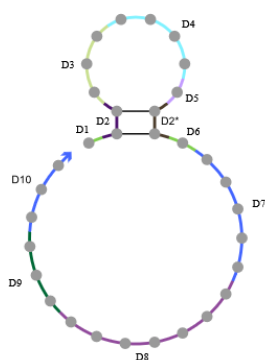
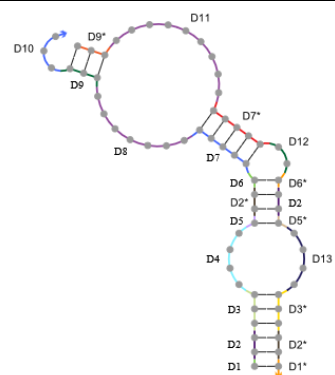

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**R1****R2****HR**

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**Model A08 (SSD-1)**

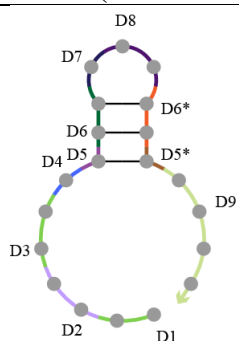
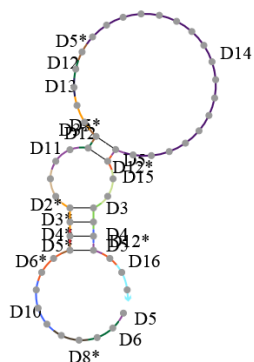
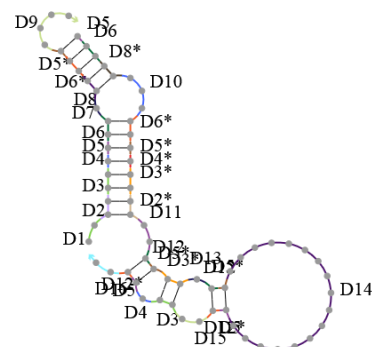

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**R1****R2****HR**


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**Model A09 (RF00029.107)**

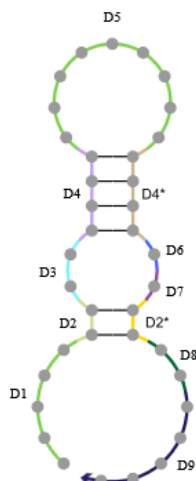
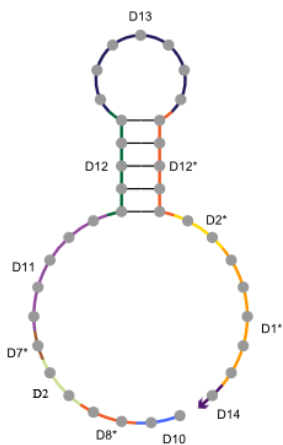
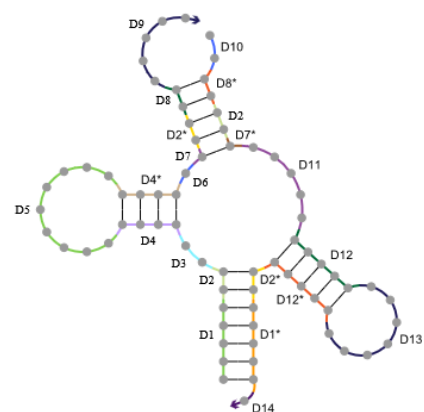

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**R1****R2****HR**


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**Model A10 (RF00005.1)**

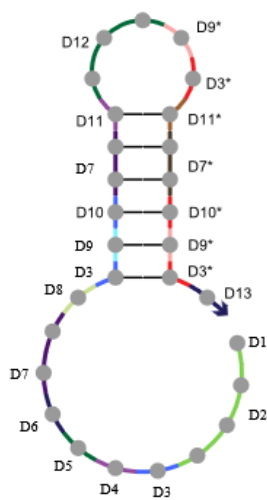
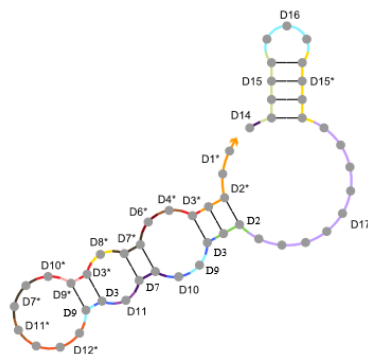
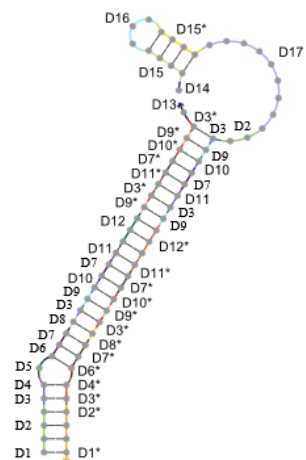

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**R1****R2****HR**

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**Model A11 (RF00027.7)**

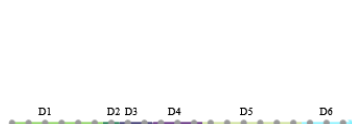
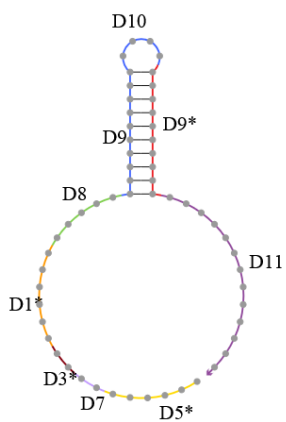
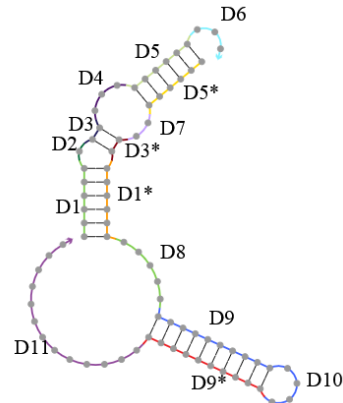

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**R1****R2****HR**


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**Model A12 (SSD-2)**

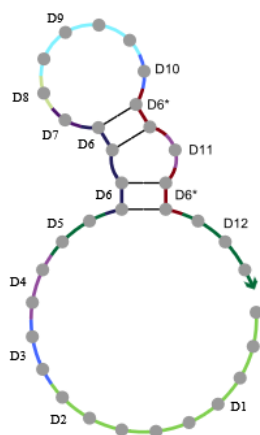
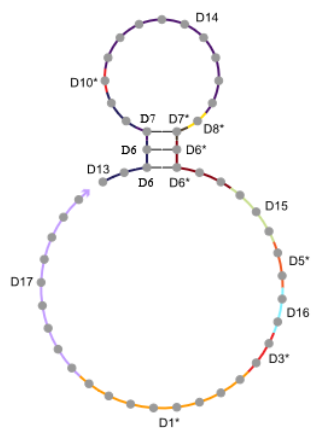
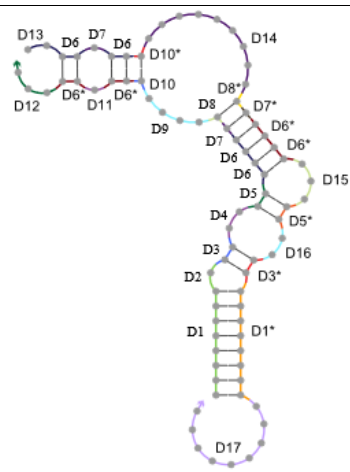

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**R1****R2****HR**


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**Model A13 (RF00019.115)**

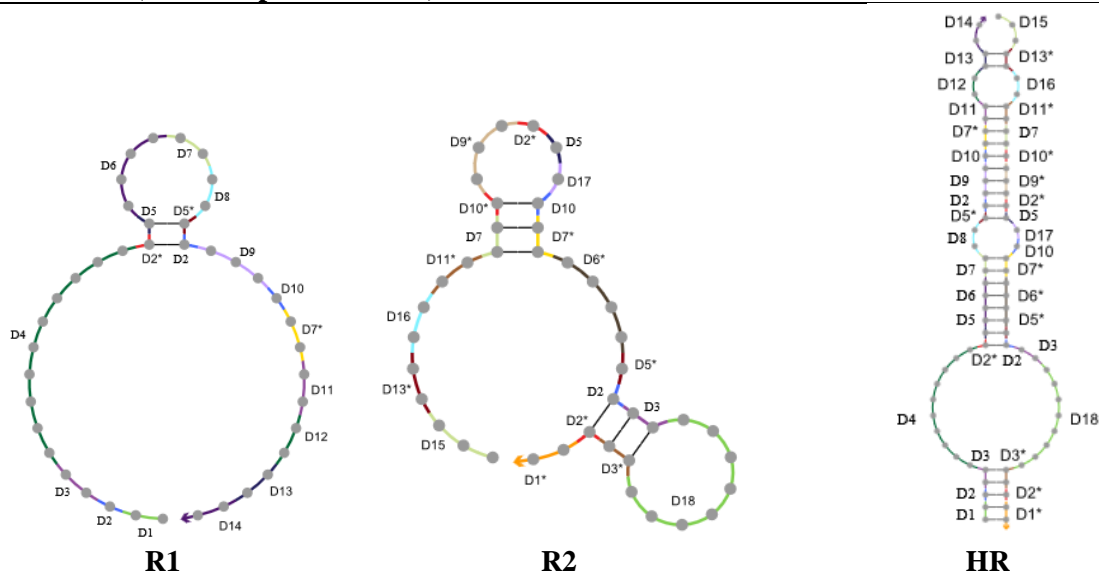

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**R1****R2****HR**

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**Model A14 (Homo Sapiens 1 Series)**

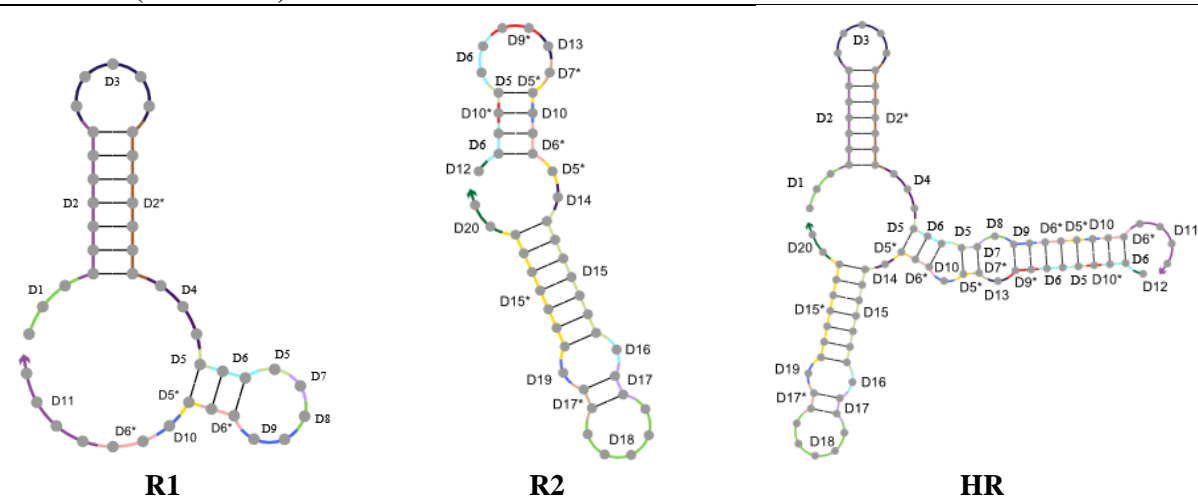

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**Model A15 (RF00014.2)**

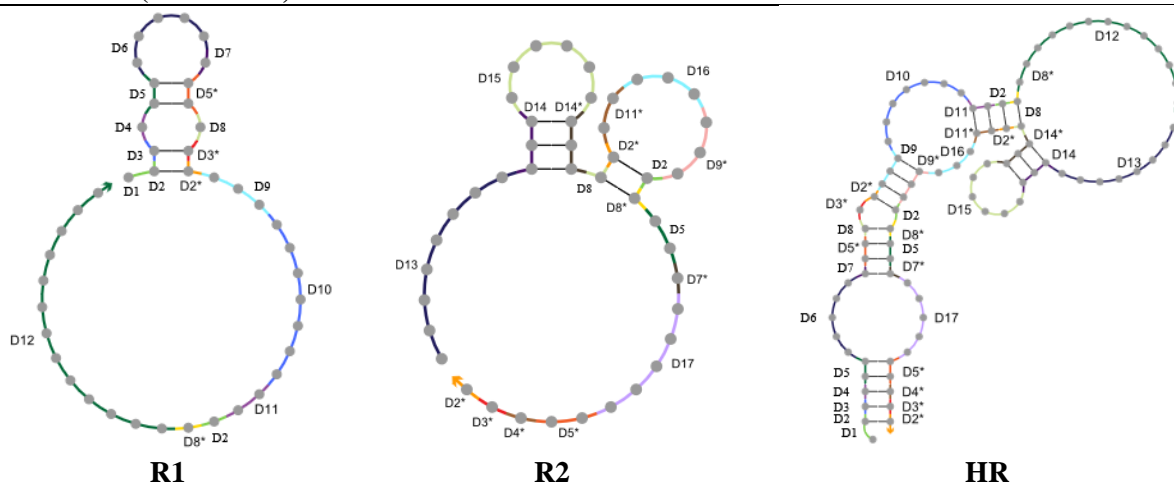

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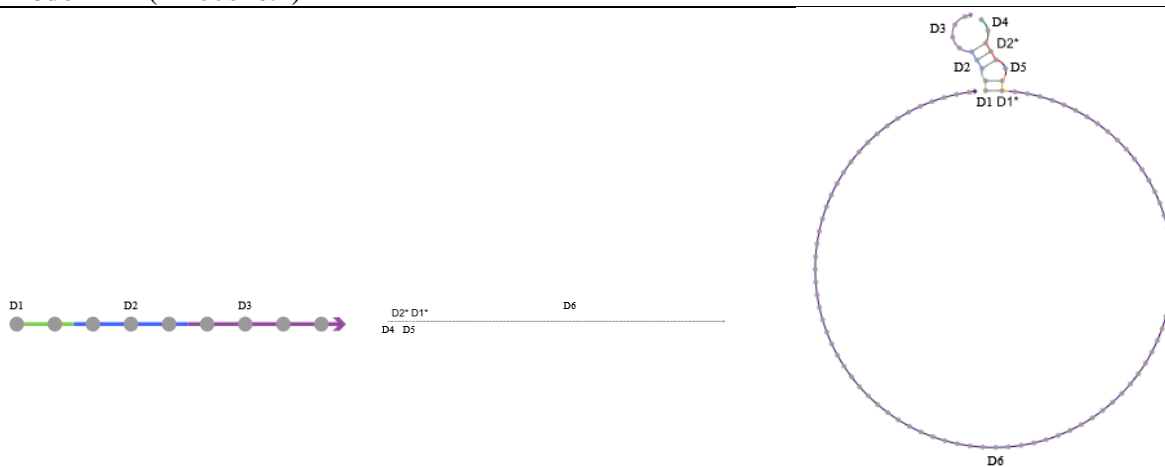

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**Model A16 (RF00006.1)**


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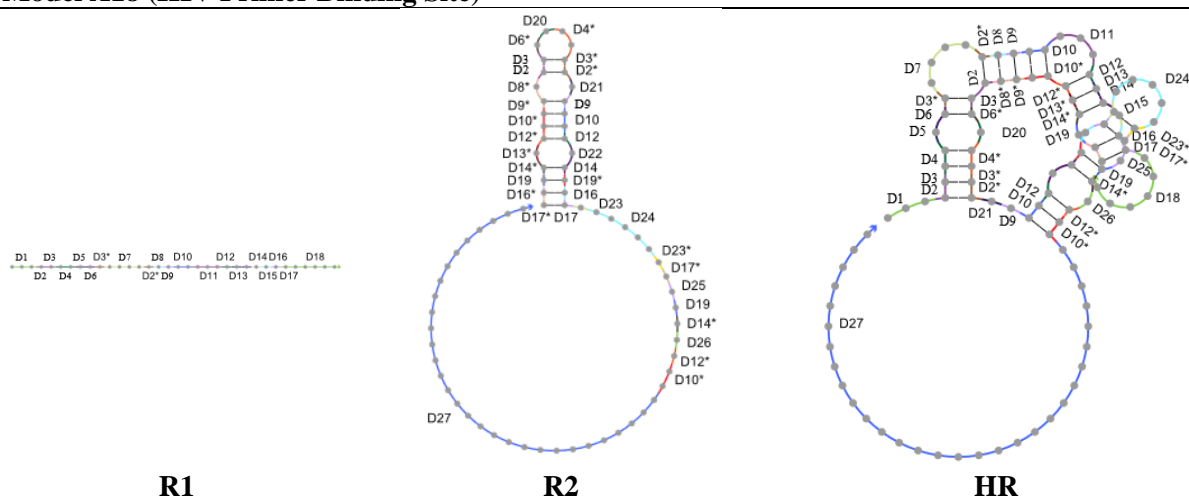
**Model A17 (RF00026.1)**

**R1**

**R2**

**HR**

### Model A18 (HIV Primer Binding Site)

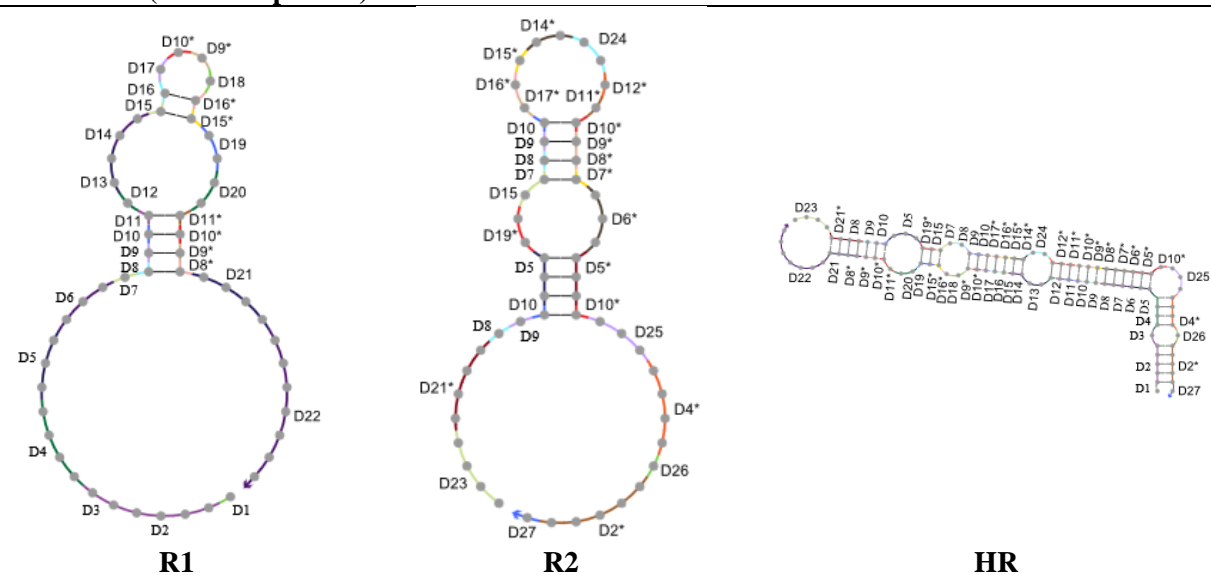


**R1**

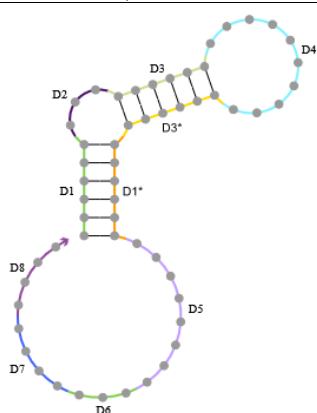
**R2**

HR

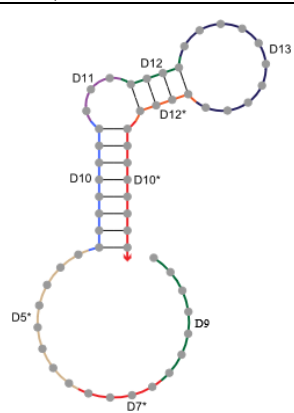
### Model A19 (Homo Sapiens 3)



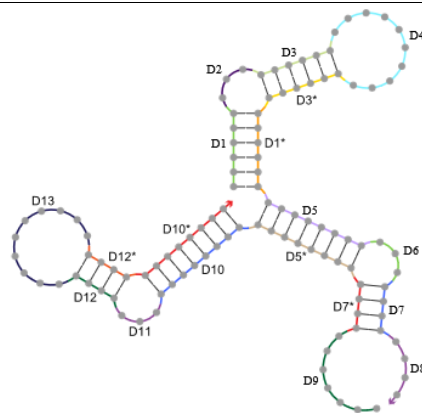
### Model A20 (Other Ribosomal RNA)



**R1**



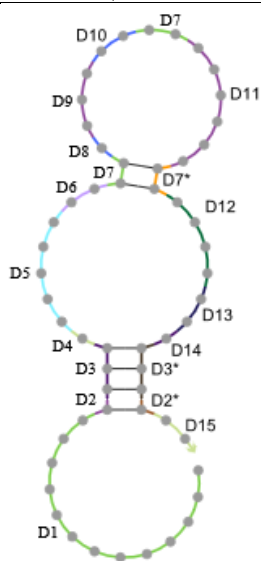
R2



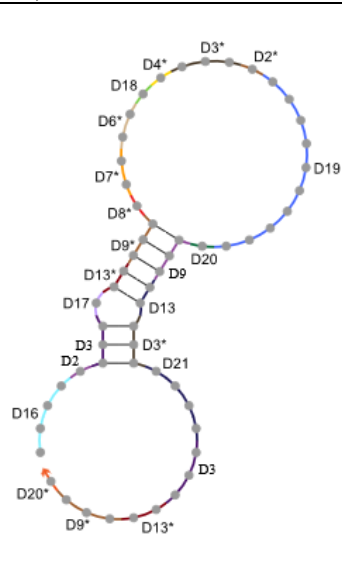
HR

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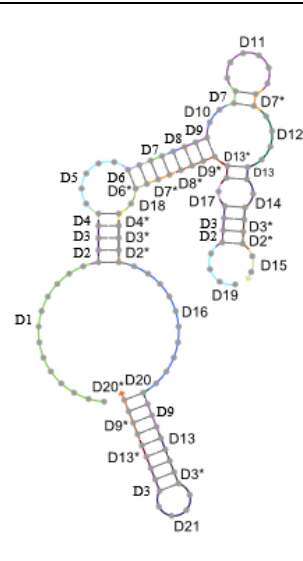
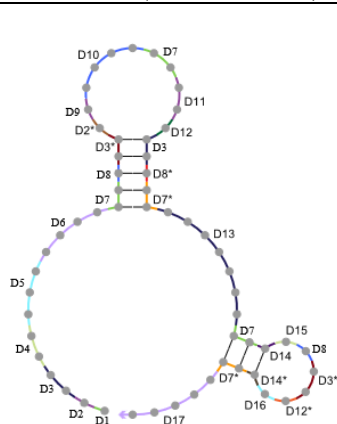
**Model A21 (Bacillus Subtilis sRNA)**



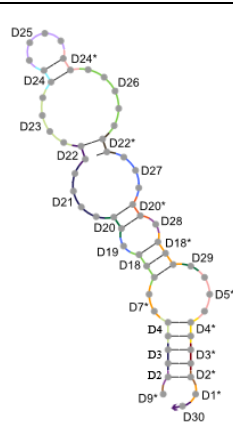
**R1**



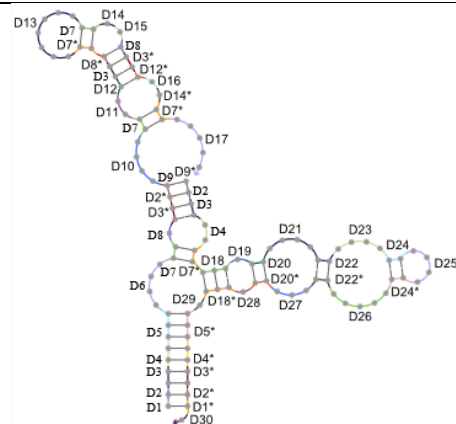
**R2**

**HR****Model A22 (RF00001.121)**

**R1**



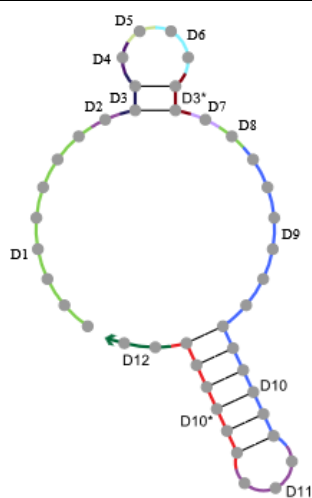
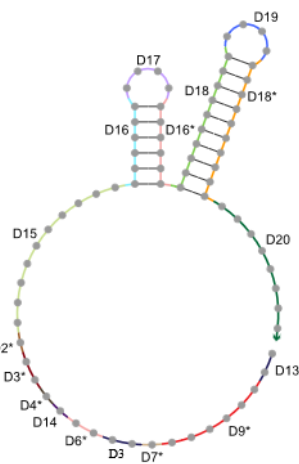
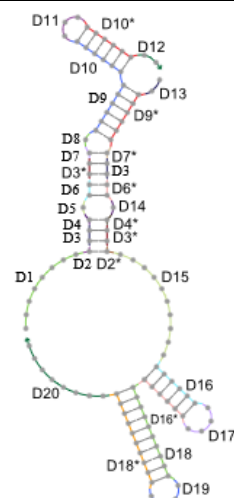
**R2**

**HR**

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**Model A23 (RF00021.10)**

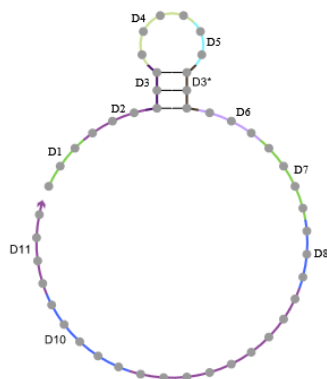
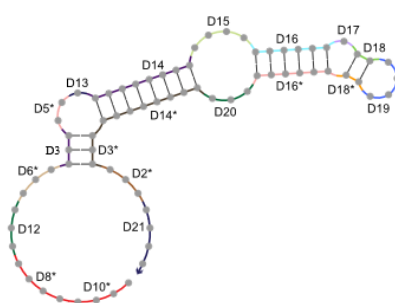
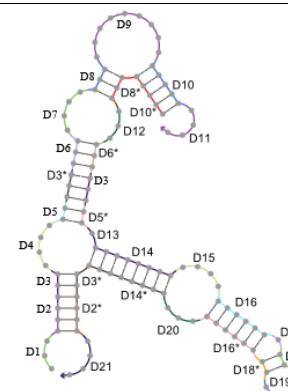

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**R1****R2****HR**


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**Model A24 (5s Ribosomal RNA)**

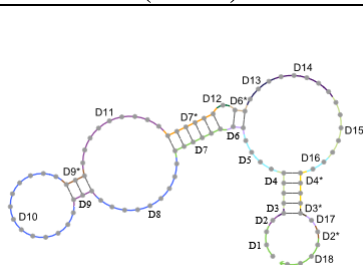
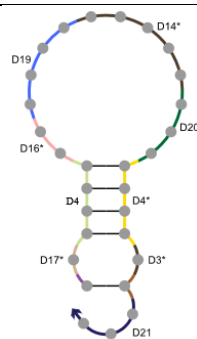
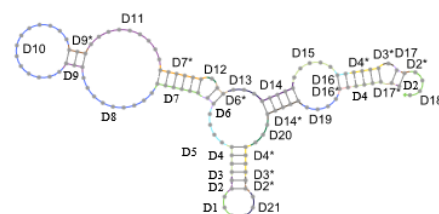

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**R1****R2****HR**


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**Model A25 (SSD-3)**

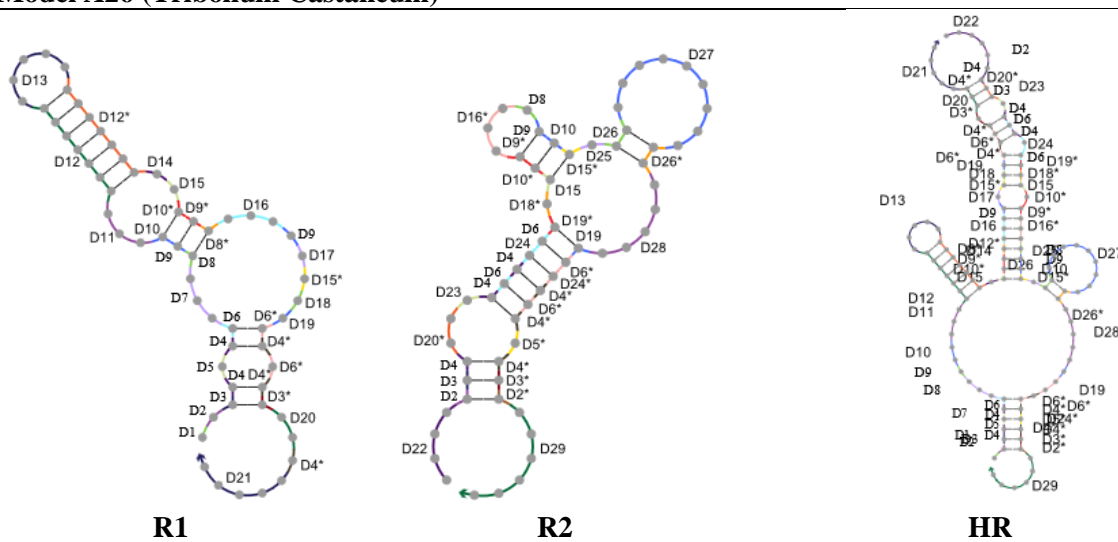

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**R1****R2****HR**

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**Model A26 (*Tribolium Castaneum*)**

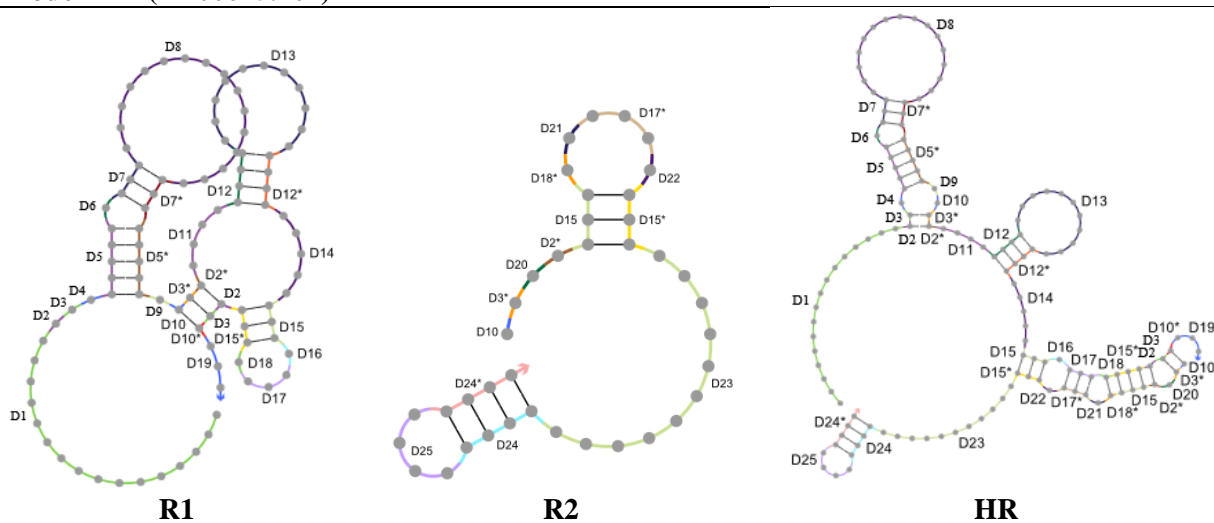

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**Model A27 (RF00015.101)**

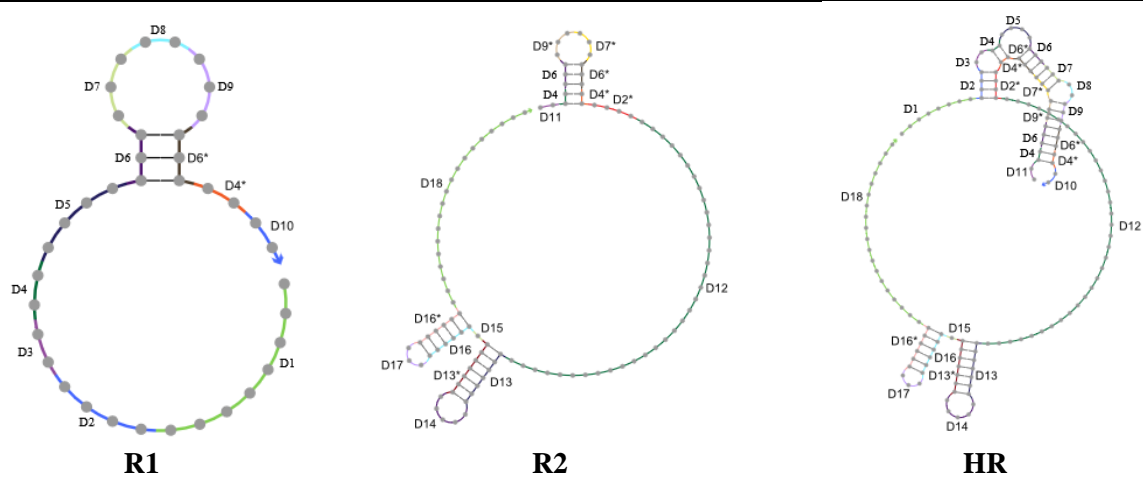

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**Model A28 (RF00022.1)**

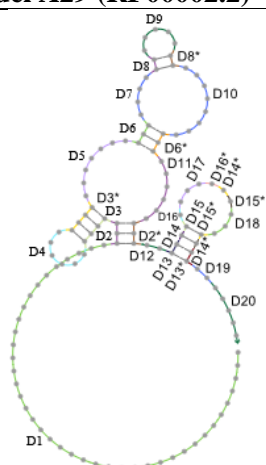
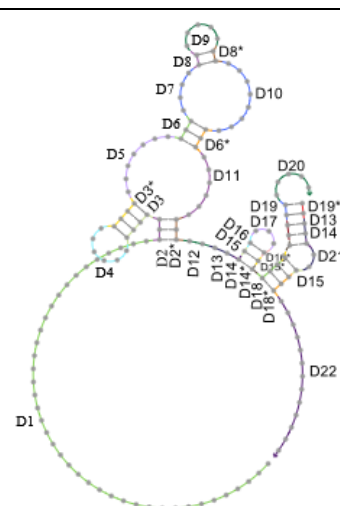

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**Model A29 (RF00002.2)**

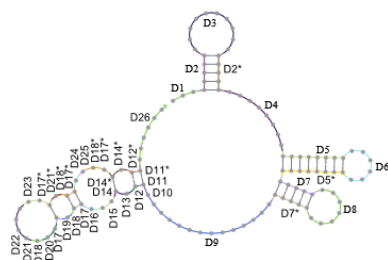
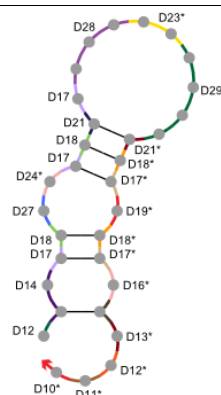
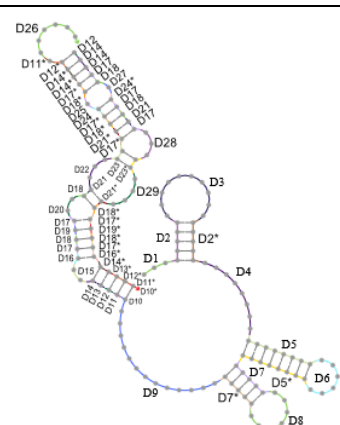

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**R1****R2****HR**


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**Model A30 (RF00007.20)**

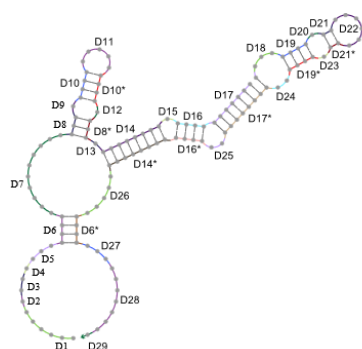
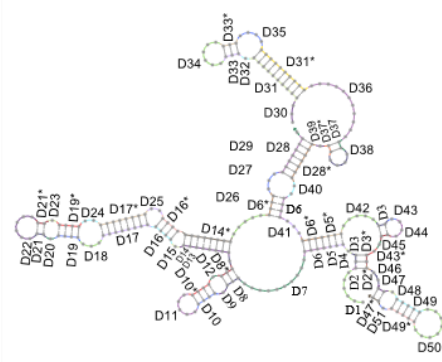

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**R1****R2****HR**


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**Model A31 (L11935)**


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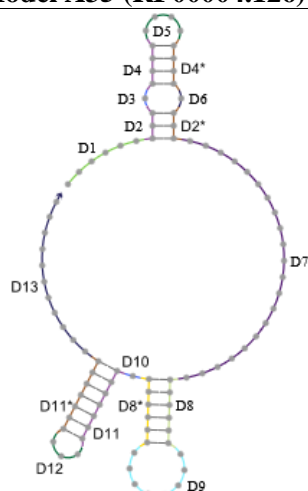
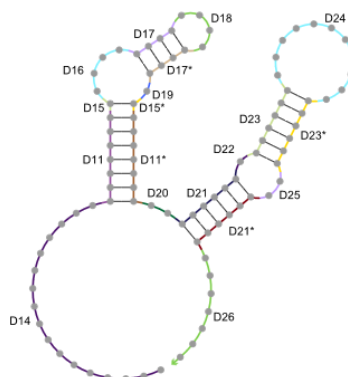
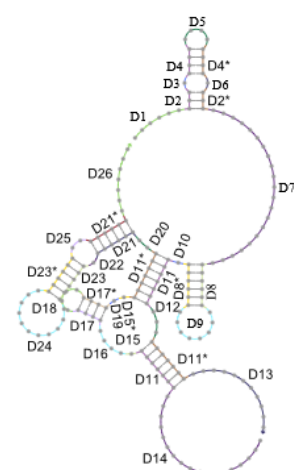
**R1****R2****HR**



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**Model A35 (RF00004.126)**

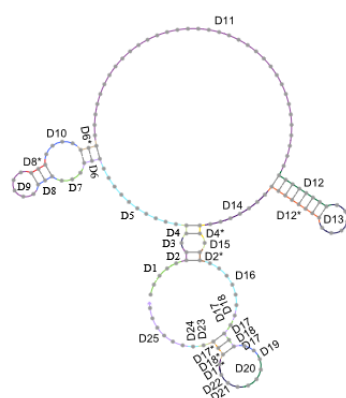
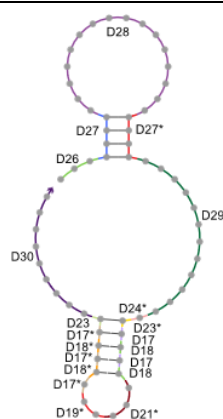

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**R1****R2****HR**


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**Model A36 (RF00025.12)**


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**R1****R2**