

Pre-training database

RNAcentral
Rfam nt
Ensembl

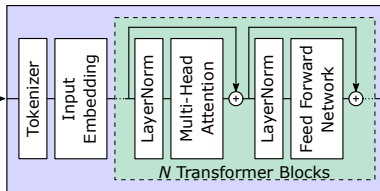
RNA sequences

ANACAUUUAACCG...
AACUACGGCUACA...
ACCAAACGCNUAA...
CUGUAAAAGGCUN...

Masking

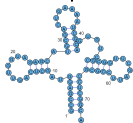
CUG ■ AACAG ■ CUN...

RiNALMo

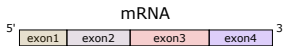


CUGUAAAAGGCUN...

Secondary structure prediction

Output Embeddings
Prediction Head
2D ResNet

Splice-site prediction

CLS Token Embedding
Prediction Head
2-layer MLP

MRL Prediction

Output Embeddings
Prediction Head
1D ResNet