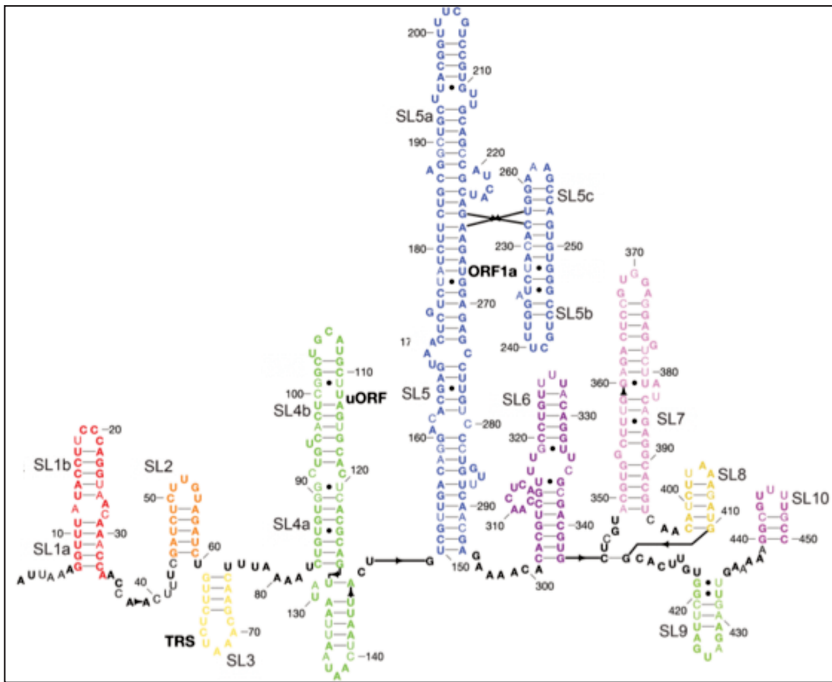


Motifs in 5'UTR of SARS-CoV-2 genome

5'UTR of SARS-CoV-2 genome



Motif
Extraction

SL1: H1 (U,A) UCCC
I1 (U,A) A (U,A) AC

SL2: H1 (U,A) CUUGU

SL3: H1 (C,G) UC UAAAC

SL4: H1 (C,G) UGCAU
H2 (A,U) AUAAC
B1 (G,C) U (C,G)
B2 (U,A) AU (A,U)
I1 (G,U) C (U,A) C
I2 (U,A) C (G,U) U

SL5: H1 (G,C) UUUCGU
H2 (G,C) UUUCGU
H3 (C,G) GAAA
B1 (C,G) G (U,A)
B2 (U,G) A (G,C)
B3 (G,C) GUU (U,A)
I1 (G,C) AC (A,U) C
I2 (G,C) UAA (C,G) C
I3 (G,C) CA (G,C) GAUCAU
I4 (C,G) U (U,G) UU
M1 (U,A) (C,G) (C,G) (A,U) (A,U)

SL6: H1 (U,A) UUU
I1 (U,G) ACAACUCUU (G,U) UC

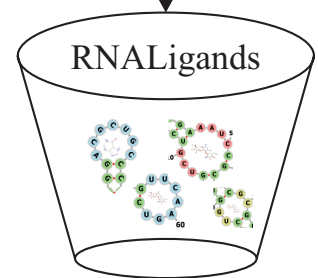
SL7: H1 (C,G) GUGGA
B1 (G,C) G (U,A)
B2 (U,G) AU (C,G)
I1 (G,C) G (C,G) G

SL8: H1 (U,A) UAA

SL9: H1 (U,A) AGUAG

SL10: H1 (C,G) GUUUU

Motif Alignment



Output

	Query Motif	Target Motif	Ligand
SL1:	I1 (U,A) A (U,A) AC	(G,C) A (U,A) AC	FMN
SL4:	I1: (G,U) C (U,A) C	(C,C) C (U,G) C	G4P
	B1: (G,C) U (C,G)	(C,G) U (C,G)	GLY
	I2: (U,A) C (G,U) U	(G,C) U (C,G) U	GE3
	B2: (U,A) AU (A,U)	(C,G) UU (G,C)	GND
SL5:	I1: (G,C) AC (A,U) C	(G,C) A (U,A) AC	FMN
	I2: (G,C) UAA (C,G) C	(C,G) U (A,G) AGC	G4P
	B1: (C,G) G (U,A)	(C,G) A (C,G)	TOA
	I4: (C,G) U (U,G) UU	(C,G) AA (C,G) U	SAM
	H1: (G,C) UUUCGU	(G,C) UUUCUU	HPA
	B2: (U,G) A (G,C)	(C,G) A (G,C)	NMY
	H2: (G,C) UUUCGU	(G,C) UUUCUU	HPA
	H3: (C,G) GAAA	(G,C) GAAA	AMZ
	B3: (G,C) GUU (U,A)	(G,C) CUU (G,C)	RIO
SL6:	H1: (U,A) UUU	(U,A) UGA	HRP
SL7:	I1: (G,C) G (C,G) G	(G,C) U (C,G) U	GE3
	B1: (G,C) G (U,A)	(G,C) G (U,G)	FFO
	B2: (U,G) AU (C,G)	(C,G) GU (C,G)	2BA
SL8:	H1: (U,A) UAA	(U,A) UGA	HRP