

Table S3. Sequential and Canonical Numbering Schemes for the Enzyme and Substrate Strands

Substrate strand		Enzyme strand	
Sequential numbering	Canonical numbering	Sequential numbering	Canonical numbering
5'	5'	5'	5'
G-1	G-16.5	GDP-1	GDP-2.10
G-2	G-16.4	G-2	G-2.9
C-3	C-16.3	A-3	A-2.8
G-4	G-16.2	U-4	U-2.7
U-5	U-16.1	G-5	G-B1.1
C-6	C-17	U-6	U-B1.2
C-7	C-1.1	A-7	A-B1.3
U-8	U-1.2	C-8	C-B1.4
G-9	G-1.3	U-9	U-2.6
G-10	G-1.4	A-10	U-2.5
U-11	U-1.5	C-11	C-2.4
A-12	A-1.6	C-12	C-2.3
U-13	U-B1.5	A-13	G-2.2
C-14	C-B1.6	G-14	G-2.1
C-15	C-B1.7	C-15	C-3
A-16	A-B1.8	U-16	U-4
A-17	A-1.7	G-17	G-5
U-18	U-1.8	A-18	A-6
C-19	C-1.9	U-19	U-7
dC-20	dC-1.10	G-20	G-8
3'	3'	A-21	A-9
		G-22	G-10.1
		U-23	U-10.2
		C-24	C-10.3
		C-25	C-10.4
		C-26	C-L2.1
		A-27	A-L2.2
		A-28	A-L2.3
		A-29	A-L2.4
		U-30	U-L2.5
		A-31	A-L2.6
		G-32	G-11.4
		G-33	G-11.3
		A-34	A-11.2
		C-35	C-11.1
		G-36	G-12
		A-37	A-13
		A-38	A-14
		A-39	A-15.1
		C-40	C-15.2
		G-41	G-15.3
		C-42	C-15.4
		C-43	C-15.5
		3'	3'

  

The diagram illustrates the secondary structure of an RNA strand. It features three stems: Stem I (top), Stem II (middle), and Stem III (bottom). A uridine turn is also present. Nucleotides are color-coded and labeled with sequential and canonical numbers. Interactions are shown with lines and boxes, including L1-L6, B1-B6, and C1-C6 interactions. The 5' and 3' ends are clearly marked.

The sequential and canonical numbering schemes for the enzyme and substrate strands are provided for convenient translation.