

Supplementary Figure S3

F1Pk confirmed (12)

70.12	gA	<u>UCCG</u>	AG	<u>CCA</u>	AAA	<u>CGGG</u>	AAAAGA	<u>UGG</u>	27
70.21	ggGAA	<u>UCCG</u>	AG	<u>GCG</u>	AAA	<u>CGGG</u>	AAAAGAC	<u>CGC</u>	31
70.24*	ggCA	<u>UCC</u>	CAA	<u>GG</u>	AGAA	<u>GGA</u>	GAAAA	<u>CC</u> AA	28
70.26	GAA	<u>UCCGUG</u>	AAGU	<u>CACAG</u>		<u>CACGGG</u>	AUAAAA	<u>CUGUG</u>	35
70.54	ggGAGA	<u>UGCG</u>	AA	<u>GG</u>	AAAA	<u>CGGG</u>	AUAA	<u>CC</u>	28
70.55*	ggaa	<u>UCCC</u>	AG	<u>GCCU</u>	AA	<u>GGGG</u>	ACAAC	<u>gggca</u>	30
80.08	ggg	<u>UCCG</u>	UUG	<u>GCGAU</u>		<u>CGGG</u>	AGAA	<u>AUCGC</u> A	29
(alt80.08)	ggg	<u>UCCG</u>	U	<u>UGGCGAU</u>		<u>CGGG</u>	AGAA	<u>AUCGCA</u>	29
80.35	ggg	<u>UCCG</u>	AU	<u>GUCC</u>	A	<u>CGGG</u>	AGUAA	<u>GGAC</u>	27
80.80	gAA	<u>UCCG</u>	UUUUA	<u>CUGUGUU</u>		<u>CGGG</u>	ACAA	<u>AACACAG</u>	34
80.96*	gAA	<u>UCCC</u>	GA	<u>UCGU</u>	AA	<u>GGGG</u>	AUAGUACG	<u>GCGA</u>	31
t0.115.1	GA	<u>UCCC</u>	A	<u>UGGCA</u>	A	<u>GGGG</u>	AUAA	<u>UGCCA</u>	26
t0.20.1	gAAA	<u>UCCC</u>	AC	<u>GAGCA</u>	A	<u>GGGG</u>	AAAA	<u>UGCUC</u>	29

*the pseudoknot shown is different from the originally proposed pairing.

F2Pk confirmed (9)

70.08	GA	<u>UCUGG</u>	CA	<u>GUGUC</u>	ACAA	<u>CCAGG</u>	AAAAA	<u>GACAC</u>	33
70.65	GGgUAU	<u>CCUC</u>	AG	<u>GCG</u>	GA	<u>GAGG</u>	GACAAA	<u>CGC</u>	30
(alt70.65)	GGgUAU	<u>CUC</u>	AG	<u>GCG</u>	GAGA	<u>GGG</u>	ACAAA	<u>CGC</u>	30
80.73	gggACCAGA	<u>UCCUC</u>	AC	<u>CGUACAG</u>		<u>GAGGG</u>	ACAAA	<u>UUGUACG</u> U	41
80.85	ggAA	<u>CCG</u>	AAG	<u>UGUU</u>	AAA	<u>CGG</u>	GAAAAACAC	<u>AACG</u>	49
(alt80.85)	ggAA	<u>CCG</u>	AA	<u>GUGUU</u>	AAA	<u>CGG</u>	GAA	<u>AACAC</u> AACG	49
80.93	gggAAA	<u>UCCU</u>	UAUCGCA	<u>UGCAUG</u>		<u>AGGA</u>	AAGCCAGACAAG	<u>CAUGUA</u>	45
80.62	gAA	<u>UCCUGG</u>	U	<u>AGCAUGGA</u>		<u>CCAGUGA</u>	GAAAA	<u>UCCAUGUU</u>	38
80.102**	AA	<u>UCCG</u>	U	<u>AUAG</u>	ACCUGAGUA	<u>CGGG</u>	ACAAAA	<u>CUAU</u>	34
80.104	gGAA	<u>UCUGUG</u>	CA	<u>GUGGAA</u>		<u>CACAGG</u>	GAAAAAA	<u>UUCCAC</u>	37
t240.7.1	gA	<u>UCCU</u>	CAG	<u>GCG</u>	GAG	<u>AGGG</u>	ACAAAA	<u>CGC</u>	28

**Contains F1Pk stems but very long connector.

Unable to confirm F2Pk identified manually in JMB96 (6)

70.04	GgGA	<u>CUUCC</u>	AAAAGAGA	<u>UCC</u>	A	<u>GGGAG</u>	CAGGCGCACUG	<u>GGA</u>	40
70.60	gggAA	<u>UGG</u>	CAUCG	<u>CUA</u>	UGA	<u>UCG</u>	AGCGCUACGC	<u>UAG</u>	35
80.33	gggCCA	<u>AUCCG</u>	UUACAA	<u>uuga</u>	uu	<u>cggau</u>	gcuccgguagc	<u>ucaa</u>	43
80.55	ggg	<u>uucc</u>	auaAUGGC	<u>UCA</u>	CCACAAG	<u>GGGA</u>	ACGU	<u>UGA</u>	36
80.63	ggCAC	<u>UCCACUCUGACC</u>	GUUUC	<u>UUG</u>		<u>GGUUCUUCGGG</u>	AAAAAAAG	<u>CAA</u>	48
80.96***	gga	<u>CCC</u>	ACUAAUCCCGA	<u>UCGU</u>	AA	<u>GGG</u>	GAUAGUACG	<u>GCGA</u>	39

***While this segment of 80.96 did not inhibit RT, there is a good F1Pk in a different region. See above.