

Supporting Information, **Table S2**

Title: Mapping the kinetic barriers of a large RNA molecule's folding landscape

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		k-values in s <sup>-1</sup>			
		U→I1	U→I2	I1→F	I2→F
T in °C	21.5	2.56E+000	1.50E+000	4.83E-003	1.66E-003
	25	3.99E+000	4.45E+000	8.43E-003	1.58E-003
	31	1.16E+001	5.55E+000	4.10E-002	4.20E-003
	36	1.06E+001	2.06E+001	2.61E-001	4.29E-002
	40	1.06E+001	1.67E+001	2.96E-002	1.29E-001
	45	3.28E+001	3.43E+001	2.75E-001	4.25E+000
	48	2.79E+001	3.20E+001	3.29E-001	1.35E+000
	51	5.10E+001	3.56E+001	2.59E+000	1.04E+000

		Error of k-values			
		U→I1	U→I2	I1→F	I2→F
T in °C	21.5	3.78E-016	2.20E-016	7.38E-019	4.46E-019
	25	7.56E-016	1.07E-015	1.35E-018	3.69E-019
	31	2.64E-015	6.93E-016	7.87E-018	1.11E-018
	36	3.78E-016	0.00E+000	7.48E-017	2.95E-018
	40	2.90E-015	3.78E-015	8.85E-018	2.95E-017
	45	1.11E-014	1.21E-014	5.90E-017	5.67E-016
	48	6.04E-015	8.06E-015	3.54E-017	7.87E-017
	51	1.05E-015	4.19E-015	1.96E-016	1.31E-016

**Table S2.** Rates of conversion between folding species U, I1, I2, F at different temperatures.