

Data for Figure 1									
Percent of reacted ribozyme after increasing incubation times with cTmp									
	clone name	5_5_1	5_3_21	8_5_5 10	8_5_5 18	8_3_5 10	8_3_5 16	8_3_5 18A	8_3_5 18B
	time / min	average	average	average	average	average	average	average	average
	5	5.0	9.9	2.6	4.1	4.1	2.7	7.8	6.0
	15	9.6	15.5	8.7	7.7	9.3	8.0	19.1	15.5
	30	17.7	26.8	16.2	20.8	14.9	9.2	29.1	26.3
	45	20.8	36.2	20.8	26.8	19.0	14.7	36.4	33.1
	60	26.0	42.6	25.1	29.5	22.9	15.4	41.4	38.0
	90	32.5	55.8	29.5	41.6	28.6	22.3	46.6	43.5
	120	35.8	64.4	31.9	42.3	31.0	26.0	48.6	47.1
	180	42.7	75.2	35.8	48.7	35.2	29.7	52.3	50.4
		STDEV	STDEV	STDEV	STDEV	STDEV	STDEV	STDEV	STDEV
	5	9.4	4.6	1.0	2.0	0.2	7.2	0.8	0.6
	15	5.5	0.5	0.4	7.8	1.5	0.9	0.4	0.9
	30	4.0	3.4	0.6	1.2	0.9	2.5	0.7	2.5
	45	4.2	0.5	0.8	2.9	1.3	3.9	0.4	2.9
	60	4.9	1.1	1.4	5.3	0.6	3.8	0.0	2.4
	90	4.1	2.4	0.4	5.6	0.6	3.7	0.6	2.6
	120	0.8	3.3	2.0	2.3	1.9	2.2	0.9	3.1
	180	1.4	1.4	1.3	2.8	1.4	2.5	1.6	2.5

Data for Fig 2									
Fraction of sequences in a given sequence cluster after increasing rounds of in vitro selection									
	Selection Round								
	cluster	3	4	5	6	7	8	9	10
	5c7	1.4E-03	1.8E-01	3.1E-01	3.1E-01	1.9E-01	2.9E-02	1.4E-03	9.9E-04
	5c0	6.8E-04	7.3E-02	1.4E-01	6.3E-02	1.4E-02	7.7E-04	2.8E-04	2.4E-04
	5c4	3.5E-04	7.4E-02	9.4E-02	5.7E-02	5.8E-03	1.2E-04	5.8E-05	5.1E-05
	5c6	2.3E-04	2.8E-02	7.5E-02	7.2E-02	1.1E-01	4.6E-02	4.7E-03	4.3E-04
	5c14	2.2E-04	3.0E-02	5.3E-02	4.3E-02	7.6E-03	6.9E-04	6.2E-05	6.2E-05
	5c13	3.7E-04	1.3E-02	4.7E-02	1.4E-01	3.9E-01	6.1E-01	4.0E-01	9.4E-02
	5c20	1.5E-04	1.8E-02	3.8E-02	3.8E-02	1.8E-02	4.5E-03	3.5E-04	7.4E-05
	5c16	6.8E-05	1.0E-02	2.0E-02	6.8E-03	2.7E-04			
	5c17	9.2E-05	1.8E-02	1.7E-02	4.3E-03	5.4E-04	2.0E-05		
	5c1	1.9E-04	8.5E-03	1.7E-02	9.5E-03	1.9E-03	1.0E-04	2.3E-05	1.7E-05
	5c42	4.8E-05	8.4E-03	1.5E-02	6.2E-03	1.2E-03	1.4E-04	2.3E-05	1.1E-05
	5c2	2.1E-04	2.2E-02	1.2E-02	3.0E-03	1.0E-04	1.3E-05		
	5c23	5.8E-05	8.8E-03	1.1E-02	8.1E-03	2.2E-03	7.5E-04	1.6E-04	2.3E-05
	5c3	2.9E-05	1.6E-03	5.7E-03	2.2E-03	2.4E-03	7.3E-04	5.8E-05	
	5c40			4.8E-03	1.1E-03	1.8E-04	6.5E-06	7.8E-06	5.7E-06
	5c41	3.9E-05	3.4E-03	4.4E-03	3.2E-03	1.2E-03	3.1E-04		
	5c58			4.2E-03	3.4E-03	3.6E-03	8.2E-03	5.3E-03	5.0E-03
	5c67			4.0E-03	8.0E-04	5.6E-05	1.3E-05	7.8E-06	
	5c53			4.0E-03	8.0E-04	5.6E-05	1.3E-05	7.8E-06	
	5c35			3.4E-03	1.1E-03	9.7E-04	4.1E-04	3.1E-05	
	5c5	9.7E-05	1.8E-03	2.7E-03	5.3E-04	7.4E-05	6.5E-06		
	5c71	2.4E-05	2.6E-03	2.5E-03	5.4E-04	1.5E-05			