optimized motif	location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation index	seed	motif name
	5′	0.030	27.2	10/10	Y	–	1.00	AACGCGC	–
	3′UTR	0.024	19.3	10/10	–	→	1.00	UUCCCCC	–
	5′	0.022	18.0	10/10	–	–	1.00	CGAGACC	–
	3′UTR	0.020	14.8	10/10	–	→	0.99	UAUUUAU	–
	3′UTR	0.016	10.7	10/10	–	→	0.99	CAUUCCC	–
	5′	0.016	10.1	10/10	–	–	0.89	TCGAGAA	–
	5′	0.014	7.9	8/10	–	–	0.42	ACGAAAA	–
	5′	0.019	14.4	10/10	–	–	1.00	AATCGAT	–
	3′UTR	0.015	9.4	9/10	–	→	0.99	UAAUUUA	–
	5′	0.018	12.6	10/10	–	–	0.99	TTCGCAA	–
	3′UTR	0.015	8.5	10/10	–	→	0.97	UUCUUUU	–
	5′	0.018	12.3	10/10	–	→	0.94	AATCGCT	–
	5′	0.017	11.8	10/10	–	←	0.88	CGAAGAA	–
	3′UTR	0.016	9.0	9/10	–	→	0.97	UCCCCAU	–
	3′UTR	0.015	9.7	10/10	–	→	0.98	AAACAUG	–
	5′	0.015	9.5	10/10	–	–	0.87	CGAACGC	–
	5′	0.014	7.4	6/10	–	←	0.83	CGCCGTC	–
	5′	0.015	8.8	8/10	–	←	0.50	TAGGTGC	–
	5′	0.014	7.7	7/10	–	–	0.59	ACACCGC	–
	5′	0.014	6.5	6/10	–	–	1.00	CACTCCG	–
	5′	0.014	8.1	9/10	–	–	0.77	CGCCGAA	–
	5′	0.014	8.0	7/10	–	–	0.80	ACATGTG	–
	5′	0.014	6.9	6/10	–	←	0.99	CACGGCC	–
	5′	0.014	7.6	8/10	–	←	0.93	ATATGTA	–
	5′	0.014	7.6	6/10	–	–	0.46	TCGTCAA	–
	5′	0.013	7.0	8/10	–	←	0.67	TACCAAA	–
	3′UTR	0.013	7.1	6/10	–	→	0.99	AAAUAAA	–
	5′	0.013	6.9	7/10	–	–	0.41	AGTATGA	–
	5′	0.013	6.6	6/10	–	→	0.48	TTTGGCA	–
	5′	0.012	6.2	6/10	–	–	0.66	AAACTTT	–