



STRUCTURAL CONSTITUENT OF OUTLIER, P<0.05

bits	optimized motif	location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation bias	seed	motif name
2		5'	0.030	27.2	10/10	Y	-	1.00	AACGCGC	-
2		3' UTR	0.024	19.3	10/10	-	→	1.00	UCCCCC	-
2		5'	0.022	18.0	10/10	-	-	1.00	CGAGACC	-
2		3' UTR	0.020	14.8	10/10	-	→	0.99	UAUUUUAU	-
2		3' UTR	0.016	10.7	10/10	-	→	0.99	CAUCCCC	-
2		5'	0.016	10.1	10/10	-	-	0.89	TCGAGAA	-
2		5'	0.014	7.9	8/10	-	-	0.42	ACGAAAA	-
2		5'	0.019	14.4	10/10	-	-	1.00	AATCGAT	-
2		3' UTR	0.015	9.4	9/10	-	→	0.99	UAAUUUA	-
2		5'	0.018	12.6	10/10	-	-	0.99	TTCGCAA	-
2		3' UTR	0.015	8.5	10/10	-	→	0.97	UUCUUUU	-
2		5'	0.018	12.3	10/10	-	→	0.94	AATCGCT	-
2		5'	0.017	11.8	10/10	-	←	0.88	CGAAGAA	-
2		3' UTR	0.016	9.0	9/10	-	→	0.97	UCCCCAU	-
2		3' UTR	0.015	9.7	10/10	-	→	0.98	AAACAUG	-
2		5'	0.015	9.5	10/10	-	-	0.87	CGAACGC	-
2		5'	0.014	7.4	6/10	-	←	0.83	CGCCGTC	-
2		5'	0.015	8.8	8/10	-	←	0.50	TAGGTGC	-
2		5'	0.014	7.7	7/10	-	-	0.59	ACACCGC	-
2		5'	0.014	6.5	6/10	-	-	1.00	CACTCCG	-
2		5'	0.014	8.1	9/10	-	-	0.77	CGCCGAA	-
2		5'	0.014	8.0	7/10	-	-	0.80	ACATGTG	-
2		5'	0.014	7.8	7/10	-	-	0.74	AATTCGA	-
2		5'	0.014	6.9	6/10	-	←	0.99	CACGGCC	-
2		5'	0.014	7.6	8/10	-	←	0.93	ATATGTA	-
2		5'	0.014	7.6	6/10	-	-	0.46	TCGTCAA	-
2		5'	0.013	7.0	8/10	-	←	0.67	TACCAA	-
2		3' UTR	0.013	7.1	6/10	-	→	0.99	AAUAAAA	-
2		5'	0.013	6.9	7/10	-	-	0.41	AGTATGA	-
2		5'	0.013	6.6	6/10	-	→	0.48	TTTGGCA	-
2		5'	0.012	6.2	6/10	-	-	0.66	AAACTTT	-