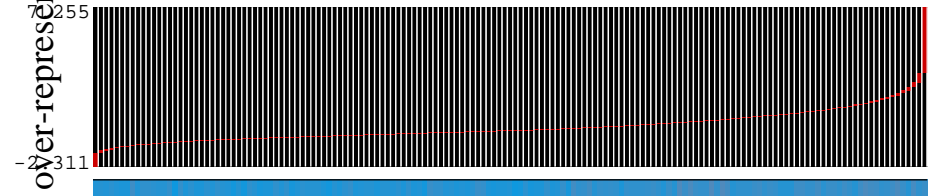


over-representation

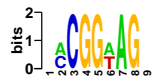
under-representation



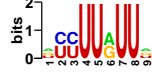
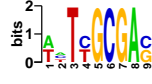
contractile fiber, p<0.01

ribonucleoprotein complex, p<1e-04

methyltransferase activity, p<0.01



optimized motif



location

MI (bits)

z-score

robustness

position bias

orientation bias

conservation index

seed

motif name

location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation index	seed	motif name
5'	0.015	10.3	10/10	-	-	1.00	CCGGAAG	NRF-2
5'	0.013	7.0	8/10	-	-	0.48	CCGTGAA	-
5'	0.014	6.9	9/10	-	←	1.00	CTCGCGA	-
3'UTR	0.014	7.9	9/10	-	→	0.99	UUUUAUU	-
5'	0.013	7.6	8/10	-	-	1.00	CGCGTGC	Hairy