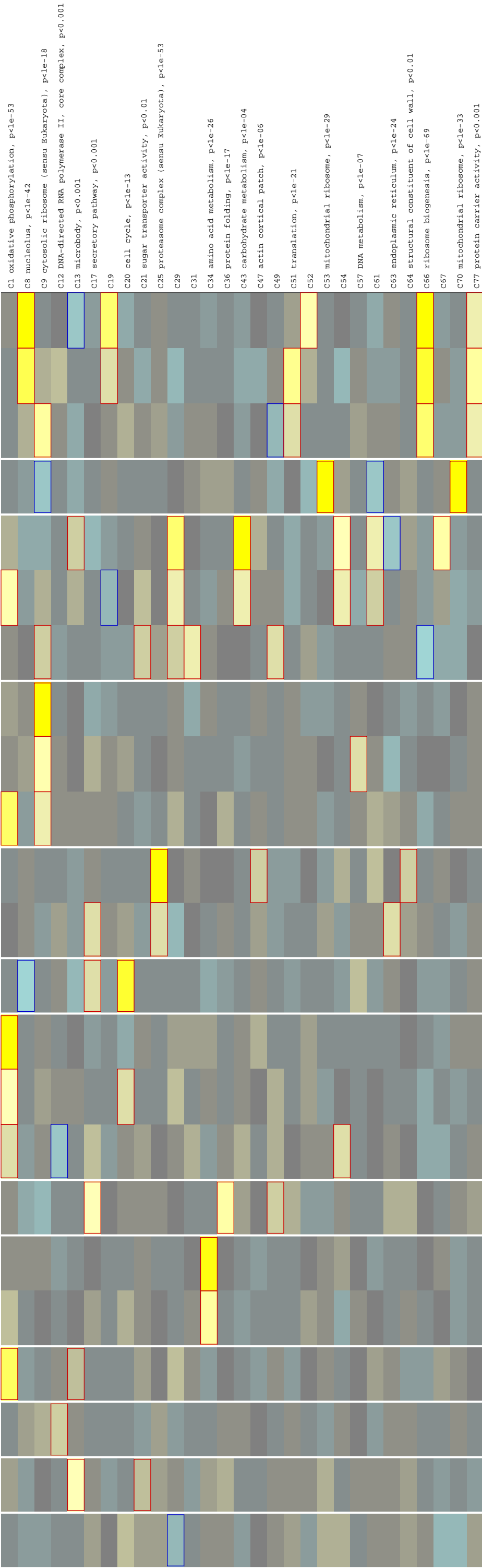


20 over-representation

under-representation -20



bits	optimized motif	location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation index	seed	motif name
bits 0 1 2 CTCATC 1 2 3 4 5 6 7 8 9	CTCATC	5'	0.081	45.0	10/10	Y	-	1.00	CTCATCG	PAC
bits 0 1 2 AAAAATT 1 2 3 4 5 6 7 8 9	AAAAATT	5'	0.042	20.9	10/10	Y	-	1.00	AAAAAAT	RRPE
bits 0 1 2 UGUAUAU 1 2 3 4 5 6 7 8 9	UGUAUAU	3'UTR	0.032	14.7	10/10	Y	→	1.00	UGUAUAA	PUF4
bits 0 1 2 UGUAAUA 1 2 3 4 5 6 7 8 9	UGUAAUA	3'UTR	0.055	29.7	10/10	Y	→	1.00	UGUAAAU	PUF3
bits 0 1 2 CCCCCT 1 2 3 4 5 6 7 8 9	CCCCCT	5'	0.047	24.0	10/10	Y	-	1.00	CCCCTTA	MSN24
bits 0 1 2 CTCCGCA 1 2 3 4 5 6 7 8 9	CTCCGCA	5'	0.029	12.6	10/10	Y	-	1.00	CTCCGCA	-
bits 0 1 2 GCACAGC 1 2 3 4 5 6 7 8 9	GCACAGC	5'	0.025	9.8	9/10	-	-	0.98	GCACAGC	-
bits 0 1 2 TCCGTAC 1 2 3 4 5 6 7 8 9	TCCGTAC	5'	0.043	20.4	10/10	Y	→	0.99	TCCGTAC	RAP1
bits 0 1 2 UAUAAUU 1 2 3 4 5 6 7 8 9	UAUAAUU	3'UTR	0.025	9.8	9/10	Y	→	0.98	UAUAAUU	-
bits 0 1 2 UUUAUUU 1 2 3 4 5 6 7 8 9	UUUAUUU	3'UTR	0.024	9.7	9/10	-	→	1.00	UUUAUUU	-
bits 0 1 2 TTGCCAC 1 2 3 4 5 6 7 8 9	TTGCCAC	5'	0.040	18.7	10/10	Y	-	1.00	TTGCCAC	RPN4
bits 0 1 2 CGGGTAA 1 2 3 4 5 6 7 8 9	CGGGTAA	5'	0.020	6.7	7/10	-	-	1.00	CGGGTAA	REB1
bits 0 1 2 ACGCGTC 1 2 3 4 5 6 7 8 9	ACGCGTC	5'	0.028	11.8	10/10	-	-	1.00	ACGCGTC	MBP1
bits 0 1 2 CCAATCA 1 2 3 4 5 6 7 8 9	CCAATCA	5'	0.028	11.4	10/10	Y	→	0.99	CCAATCA	HAP4
bits 0 1 2 ACGCGCG 1 2 3 4 5 6 7 8 9	ACGCGCG	5'	0.024	8.6	8/10	-	-	0.96	ACGCGCG	-
bits 0 1 2 CCACGGC 1 2 3 4 5 6 7 8 9	CCACGGC	5'	0.022	7.6	7/10	-	-	0.97	CCACGGC	-
bits 0 1 2 TCTCGAA 1 2 3 4 5 6 7 8 9	TCTCGAA	5'	0.024	8.8	8/10	-	-	1.00	TCTCGAA	XBP1
bits 0 1 2 TGACTCA 1 2 3 4 5 6 7 8 9	TGACTCA	5'	0.023	7.9	6/10	Y	→	0.98	TGACTCA	BAS1
bits 0 1 2 CACGTGA 1 2 3 4 5 6 7 8 9	CACGTGA	5'	0.022	7.8	9/10	-	→	1.00	CACGTGA	CBF1
bits 0 1 2 UAUAUUC 1 2 3 4 5 6 7 8 9	UAUAUUC	3'UTR	0.021	7.1	8/10	-	→	1.00	UAUAUUC	-
bits 0 1 2 TCAATTC 1 2 3 4 5 6 7 8 9	TCAATTC	5'	0.021	7.2	7/10	-	-	0.95	TCAATTC	-
bits 0 1 2 UUACGAA 1 2 3 4 5 6 7 8 9	UUACGAA	3'UTR	0.021	7.2	6/10	-	→	0.98	UUACGAA	-
bits 0 1 2 TTTTCGC 1 2 3 4 5 6 7 8 9	TTTTCGC	5'	0.020	6.8	8/10	-	←	0.96	TTTTCGC	SWI4