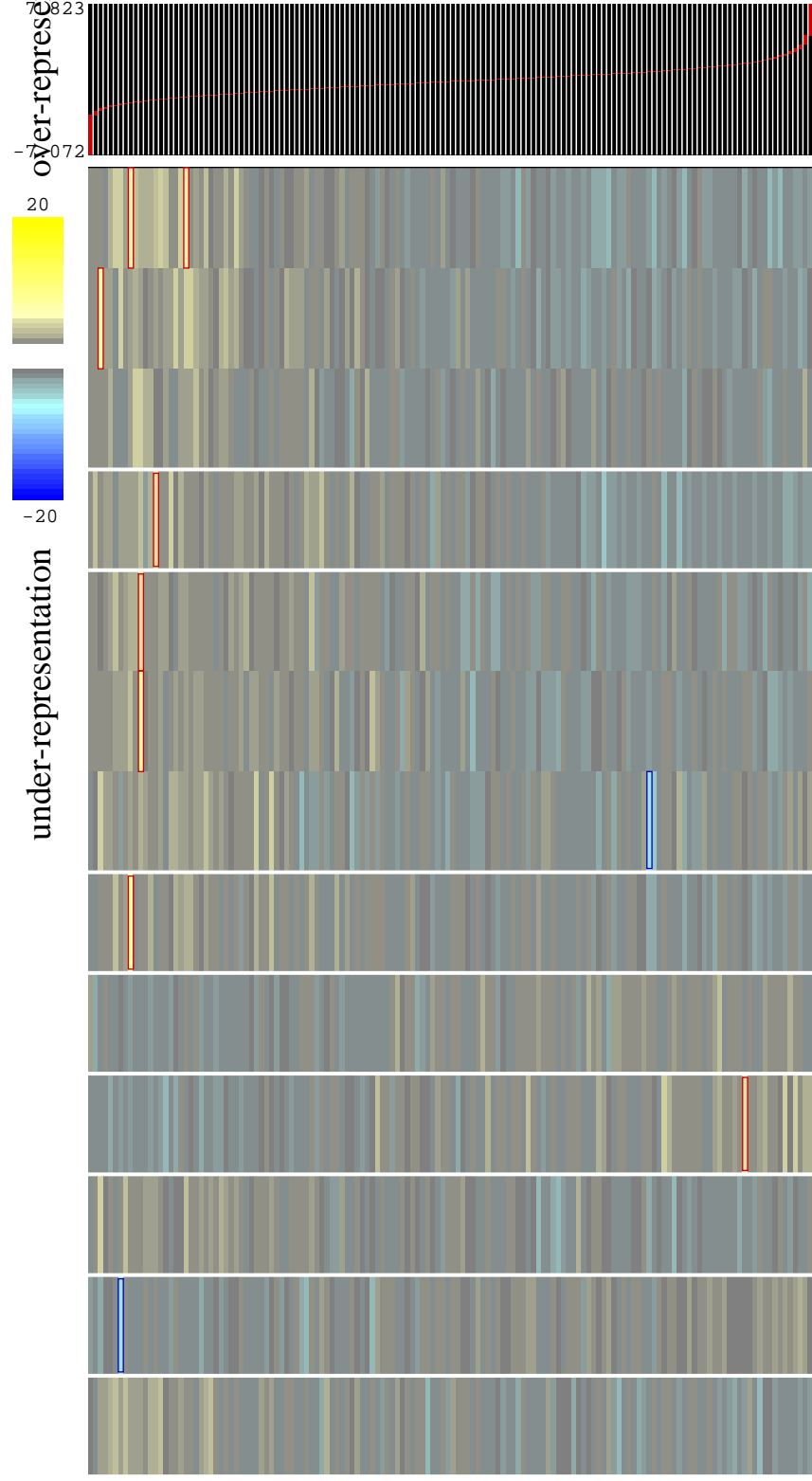


over-representation

under-representation

20

-20



Mo-molybdopterin cofactor metabolism, $p < 0.01$

pepsin A activity, $p < 0.01$

protein kinase activity, $p < 0.01$

steroid biosynthesis, $p < 0.01$

Optimized motif	location	MI (bits)	z-score	Robustness	Position bias	orientation bias	conservation index	seed	motif name
	5'	0.022	17.0	10/10	Y	-	1.00	AACGCGC	-
	5'	0.021	16.3	10/10	-	-	1.00	CGAGACC	-
	5'	0.015	8.4	8/10	-	←	0.99	GATGCGC	-
	5'	0.020	14.6	10/10	-	-	1.00	AATCGAT	-
	5'	0.015	9.4	10/10	-	-	0.93	TTCGCAA	-
	5'	0.014	8.2	10/10	-	→	0.98	CGAAGAA	-
	3'UTR	0.013	6.5	6/10	-	→	0.99	AUUUUUU	-
	5'	0.015	9.0	9/10	-	-	0.92	CGCAGAA	-
	5'	0.015	8.8	9/10	-	-	0.44	ACTACTA	-
	5'	0.014	8.0	10/10	-	→	0.99	CCACCCC	-
	5'	0.014	7.7	8/10	-	-	0.89	AATCGAC	-
	5'	0.014	7.5	6/10	-	-	0.90	ACATACA	-
	3'UTR	0.013	7.2	8/10	-	→	0.94	GUUUUUAU	-