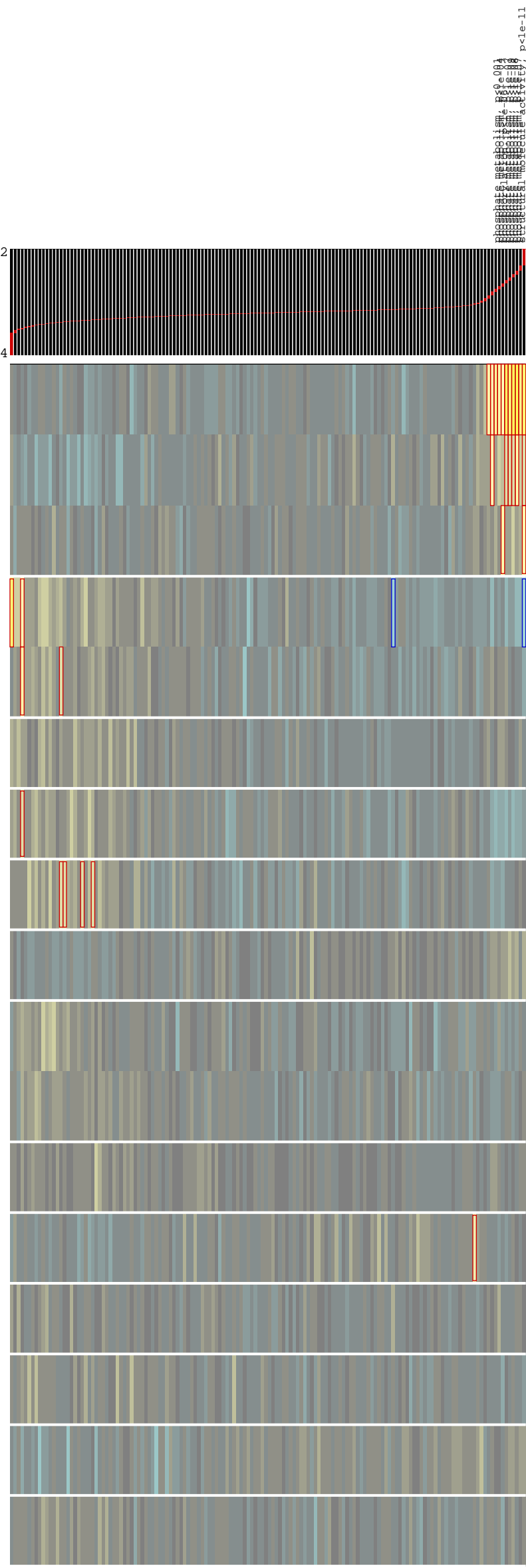


over-representation



under-representation



p < 1e-11

bits	Optimized motif	Location	MI (bits)	z-score	robustness	Position bias	orientation bias	conservation index	seed	motif name
2 1 0		5'	0.031	28.3	10/10	Y	-	0.98	ACGTGAA	-
2 1 0		3'UTR	0.019	14.0	10/10	Y	→	0.99	AAUAAAG	-
2 1 0		5'	0.016	10.8	10/10	Y	→	1.00	ACGTGGA	-
2 1 0		5'	0.023	18.6	10/10	-	-	1.00	CGCGCTC	-
2 1 0		5'	0.020	14.7	10/10	-	-	1.00	ATCGATA	-
2 1 0		5'	0.018	12.1	10/10	-	-	1.00	CGAGACC	-
2 1 0		3'UTR	0.017	11.6	10/10	-	→	1.00	UUUCCCC	-
2 1 0		3'UTR	0.016	10.8	10/10	-	→	0.99	UCUUGUU	-
2 1 0		5'	0.015	8.6	8/10	-	-	0.00	TGCCTAC	-
2 1 0		5'	0.015	9.5	10/10	-	-	0.94	ATTGCGG	-
2 1 0		5'	0.014	7.5	8/10	-	←	0.93	ATCGCGC	-
2 1 0		5'	0.015	7.9	8/10	-	←	0.97	TACGCAA	-
2 1 0		5'	0.014	8.3	6/10	-	←	1.00	CTTATCA	-
2 1 0		5'	0.014	7.5	7/10	-	-	0.95	ACCGCAG	-
2 1 0		5'	0.013	7.3	7/10	-	←	0.69	AACGCTG	-
2 1 0		5'	0.013	7.5	8/10	-	→	0.56	AAAAGTT	-
2 1 0		5'	0.013	7.0	7/10	-	-	0.95	ACGAAGA	-