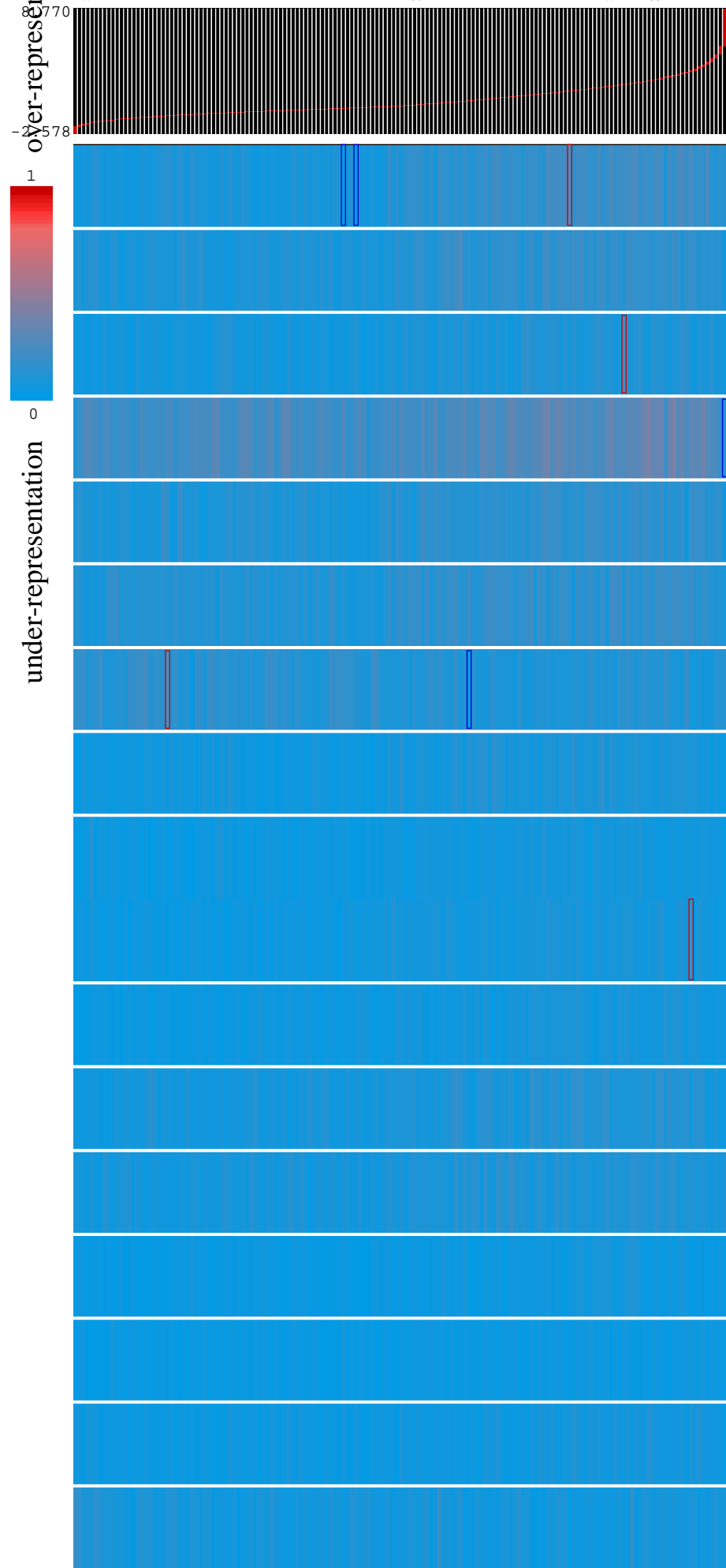


over-representation

under-representation



bits	optimized motif	location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation index	seed	motif name
bits 0 1 2		5'	0.033	32.4	10/10	Y	-	1.00	CCGGAAG	ELK4
bits 0 1 2		5'	0.016	10.9	10/10	-	-	0.98	CTGCGCA	-
bits 0 1 2		5'	0.016	10.8	10/10	-	-	0.99	CGCGACC	-
bits 0 1 2		3'UTR	0.015	9.7	9/10	-	→	0.99	CUUUUUU	-
bits 0 1 2		5'	0.015	9.5	9/10	-	→	0.86	CGACCCA	-
bits 0 1 2		5'	0.015	9.2	9/10	-	-	0.58	ACCGTTC	-
bits 0 1 2		5'	0.014	8.8	10/10	-	←	0.98	ATTTTCT	-
bits 0 1 2		5'	0.014	8.7	10/10	-	←	0.95	CGCGAGA	StuAp
bits 0 1 2		5'	0.014	8.4	8/10	-	←	0.78	CGCCCTA	-
bits 0 1 2		5'	0.013	7.9	9/10	-	→	0.89	CCGTACC	-
bits 0 1 2		5'	0.014	7.9	9/10	-	→	0.94	AGTGACG	CREB
bits 0 1 2		5'	0.014	8.1	9/10	-	→	0.83	CGACACG	-
bits 0 1 2		5'	0.013	7.9	7/10	-	←	0.93	CGCTTGA	Myb
bits 0 1 2		5'	0.013	7.5	7/10	-	-	0.64	CACGTTCG	-
bits 0 1 2		5'	0.013	7.4	7/10	-	←	0.92	AAGGGCG	-
bits 0 1 2		5'	0.013	7.0	7/10	-	-	0.95	ACAACGA	-
bits 0 1 2		5'	0.013	6.7	6/10	-	→	0.82	AACACTG	-