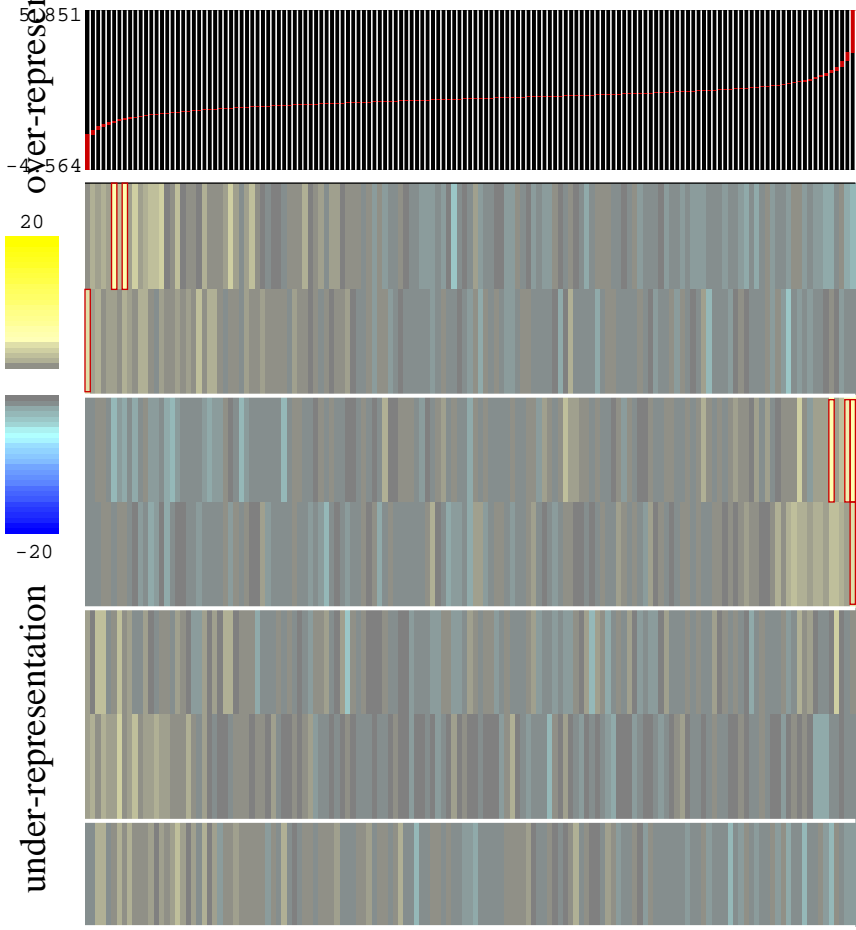


over-representation

under-representation



locomotory behavior, $p < 0.01$

structural molecule activity, $p < 0.001$
 structural constituent of ribosome, $p < 0.01$
 structural constituent of cytoskeleton, $p < 0.001$

bits	Optimized motif	location	MI (bits)	z-score	robustness	Position bias	orientation bias	conservation index	seed	motif name
	3'UTR	0.018	13.1	10/10	-	→	1.00	UCUCUCC	-	
	5'	0.016	10.0	10/10	-	-	0.99	ACGCGCG	-	
	3'UTR	0.015	9.8	10/10	Y	→	1.00	AAUAAAU	-	
	5'	0.015	9.5	10/10	Y	-	1.00	CTTATCA	-	
	5'	0.015	9.3	10/10	-	←	0.99	AGAGAGA	-	
	5'	0.015	8.5	10/10	-	→	1.00	ATCGATA	-	
	5'	0.014	8.0	8/10	-	-	0.99	CGCACAC	-	