

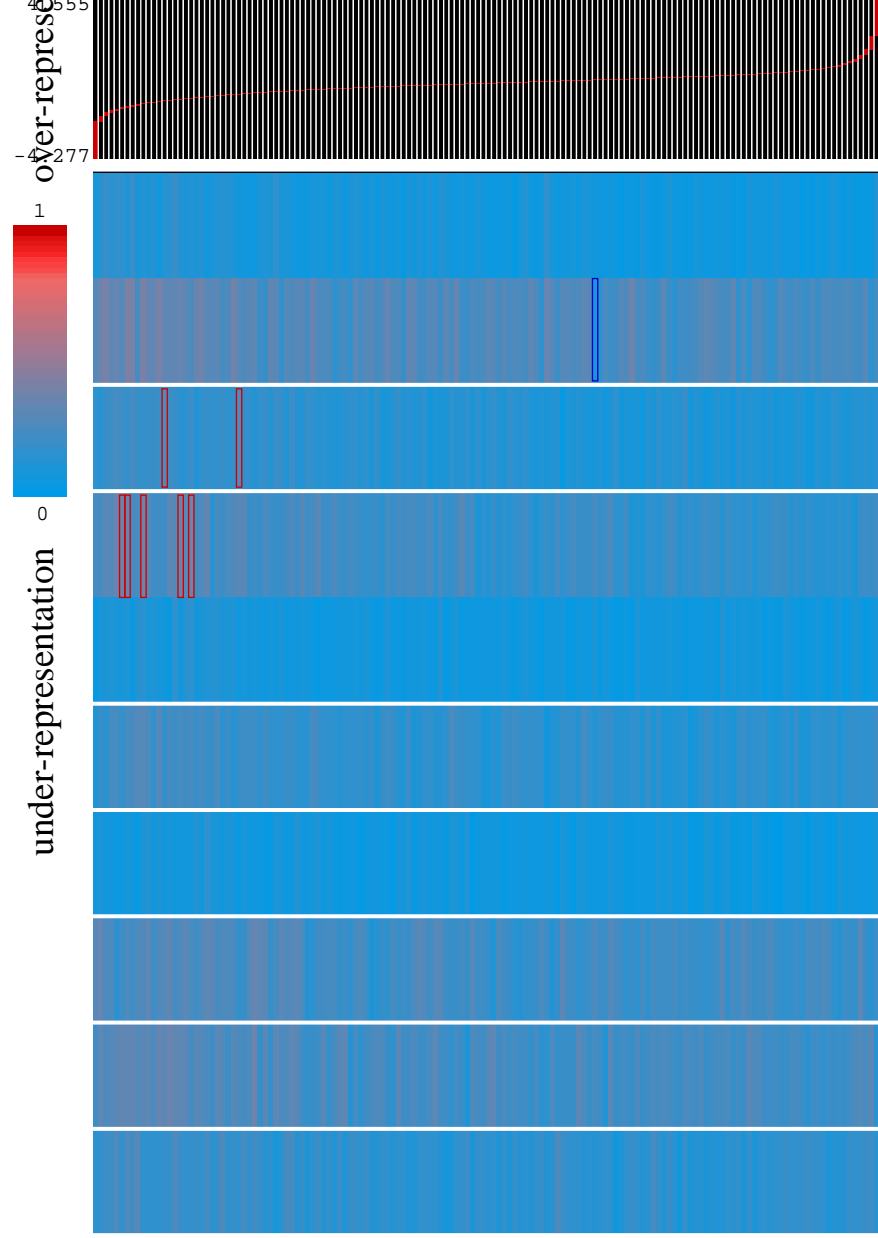
over-representation



under-representation

structural motif specificity:  $p < 1e-10$

hexose metabolism,  $p < 0.01$



optimized motif	location	MI (bits)	z-score	robustness	Position bias	orientation bias	conservation index	seed	motif name
	5'	0.018	12.1	10/10	-	-	1.00	CGCGCTC	-
	3' UTR	0.015	8.9	10/10	Y	→	0.87	UGUUUUA	-
	5'	0.017	11.7	10/10	-	-	1.00	CGAGACC	-
	3' UTR	0.017	11.2	10/10	-	→	1.00	CAUCCCC	-
	5'	0.014	7.5	9/10	-	-	0.93	ATCGCG	-
	5'	0.014	8.3	7/10	-	→	0.92	CTCTTCG	-
	5'	0.014	7.7	9/10	-	-	0.83	CGTCGAA	-
	3' UTR	0.014	8.0	10/10	-	→	0.91	UUUCAUC	-
	3' UTR	0.013	7.0	7/10	-	→	0.99	AUUUAAU	-
	5'	0.013	6.7	7/10	-	-	0.62	ATCGTTA	-