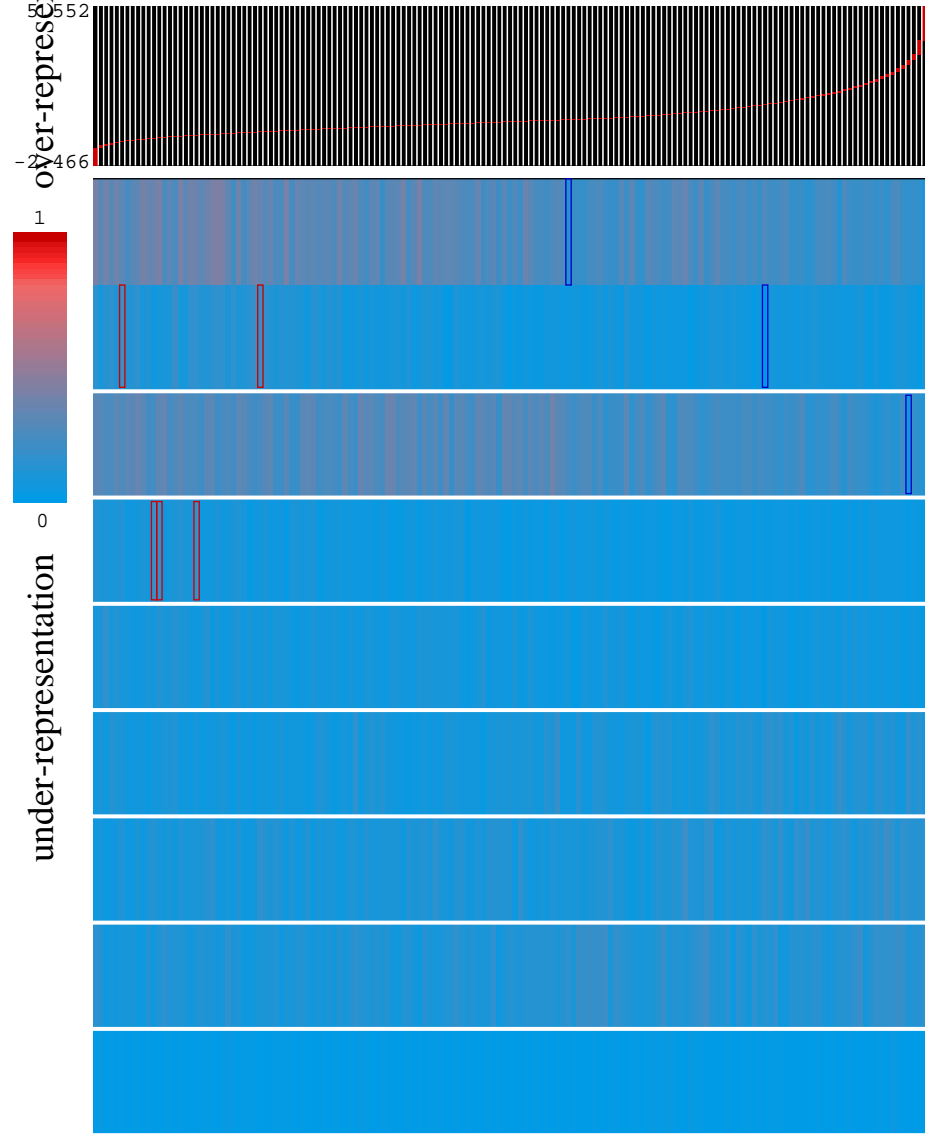


over-representation

under-representation



NADH dehydrogenase (ubiquinone) activity, p<0.001  
 Golgi vesicle transport, p<0.001  
 fatty acid biosynthesis, p<0.001  
 structural constituent of ribosome, p<0.001  
 ribonucleoprotein complex, p<0.01

tetrahydrobiopterin metabolism, p<0.01

contractile fiber, p<0.01

rhodopsin-like receptor activity, p<0.01

olfactory receptor activity, p<1e-07

rhodopsin-like receptor activity, p<1e-07

bits	optimized motif	location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation index	seed	motif name
bits 0 1 2 CGGCCCC	CGGCCCC	5'	0.024	21.5	10/10	-	-	1.00	CGGCCCC	Sp1
bits 0 1 2 ACTTCGG	ACTTCGG	5'	0.021	17.5	10/10	-	-	1.00	ACTTCGG	Elk-1
bits 0 1 2 CUGCC	CUGCC	3'UTR	0.018	13.3	10/10	-	→	1.00	CUGCCCC	-
bits 0 1 2 CATGCC	CATGCC	5'	0.016	10.6	9/10	-	-	0.99	CATGCC	-
bits 0 1 2 TTGCGTC	TTGCGTC	5'	0.015	9.0	9/10	-	←	0.76	TTGCGTC	-
bits 0 1 2 ATCAAAG	ATCAAAG	5'	0.014	8.4	7/10	-	→	0.74	ATCAAAG	Mat1-Mc
bits 0 1 2 TACAAGA	TACAAGA	5'	0.013	7.6	6/10	-	-	0.70	TACAAGA	-
bits 0 1 2 ACACAGA	ACACAGA	5'	0.013	7.4	7/10	-	-	0.31	ACACAGA	-
bits 0 1 2 CGAAACG	CGAAACG	5'	0.013	5.6	6/10	-	-	0.77	CGAAACG	-