

over-representation

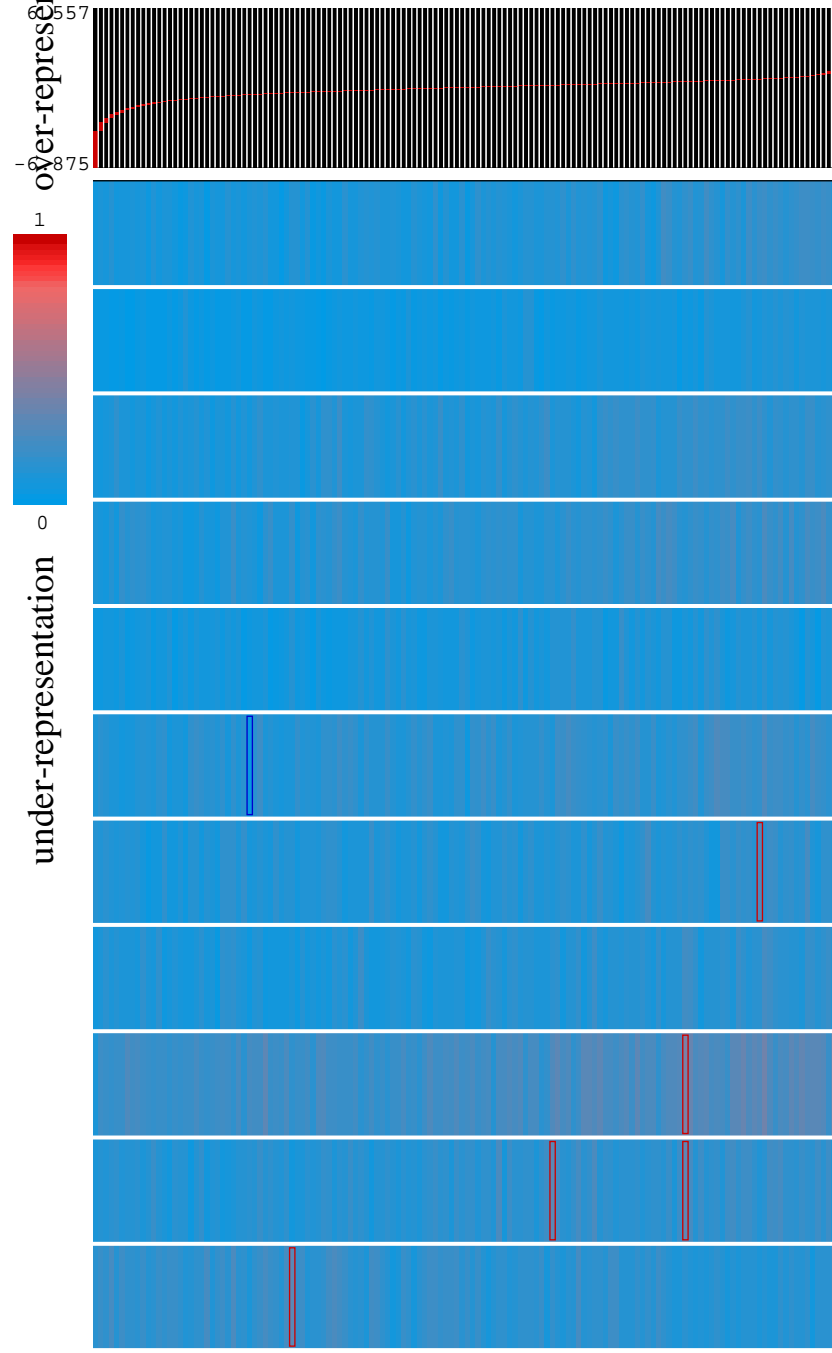
under-representation



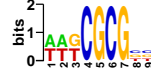
structural molecule activity, p<0.01

gametogenesis, p<0.001

ribonucleic acid biosynthesis, p<0.001



Optimized motif



Location

MI (bits)

z-score

robustness

Position bias

orientation bias

conservation index

seed

motif name

bits	Location	MI (bits)	z-score	robustness	Position bias	orientation bias	conservation index	seed	motif name
bits 1 0 2 AAG TTT GGG	5'	0.021	15.2	10/10	Y	-	0.99	TTCGCGC	-
bits 1 0 2 CGAGCC	5'	0.019	13.7	10/10	-	-	1.00	CGAGACC	-
bits 1 0 2 AATCGAT	5'	0.017	11.0	10/10	-	←	1.00	AATCGAT	-
bits 1 0 2 TCGCTGC	5'	0.017	11.1	10/10	-	→	0.95	TCGCTGC	-
bits 1 0 2 GAGACGC	5'	0.015	9.1	7/10	-	←	1.00	GAGACGC	-
bits 1 0 2 CTTTTCG	5'	0.014	8.2	8/10	-	→	0.93	CTTTTCG	-
bits 1 0 2 ATCGCGA	5'	0.014	8.1	9/10	-	←	0.64	ATCGCGA	-
bits 1 0 2 CGAAGAA	5'	0.014	7.7	8/10	-	-	0.69	CGAAGAA	-
bits 1 0 2 AUUUAAU	3' UTR	0.013	7.3	8/10	-	→	0.99	AUUUAAU	-
bits 1 0 2 CGCTGTC	5'	0.013	6.9	7/10	-	-	0.91	CGCTGTC	-
bits 1 0 2 ATGTATA	5'	0.013	6.6	6/10	-	-	0.93	ATGTATA	-