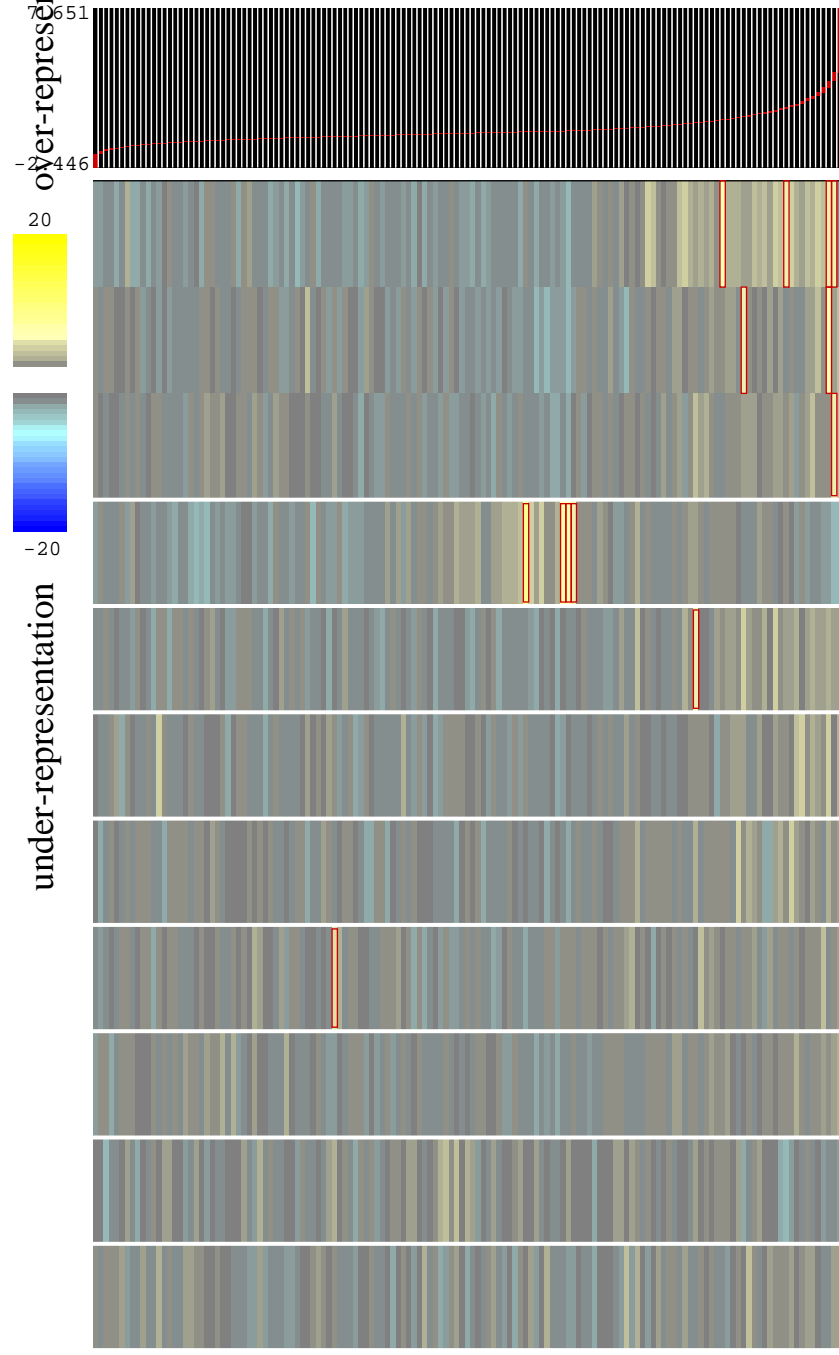


over-representation

20

under-representation

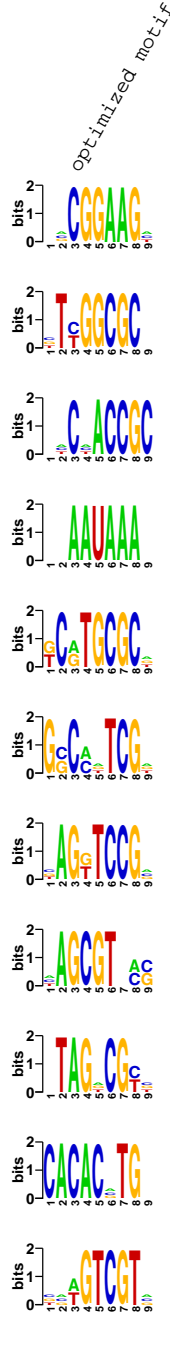
-20



intermediate filament, p<0.01

intermediate filament, p<1e-04

intermediate filament, p<1e-04



location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation index	seed	motif name
5'	0.034	30.7	10/10	Y	-	1.00	CCGGAAG	NRF-2
5'	0.017	11.5	10/10	-	-	0.83	TCGGCGC	E2F1
5'	0.015	8.8	10/10	-	-	0.88	CCCACCG	-
3'UTR	0.020	14.7	10/10	Y	→	1.00	AAUAAA	-
5'	0.016	10.3	10/10	-	-	1.00	CATGCGC	-
5'	0.016	9.4	10/10	-	-	0.96	CCAATCG	-
5'	0.015	8.2	9/10	-	→	0.41	AGTTCCG	-
5'	0.014	8.1	8/10	-	-	0.52	AGCGTCC	-
5'	0.014	7.2	8/10	-	←	0.61	TAGGCGC	-
5'	0.013	6.7	9/10	-	-	0.91	ACACATG	-
5'	0.013	6.6	6/10	-	-	0.30	AAGTCGT	-