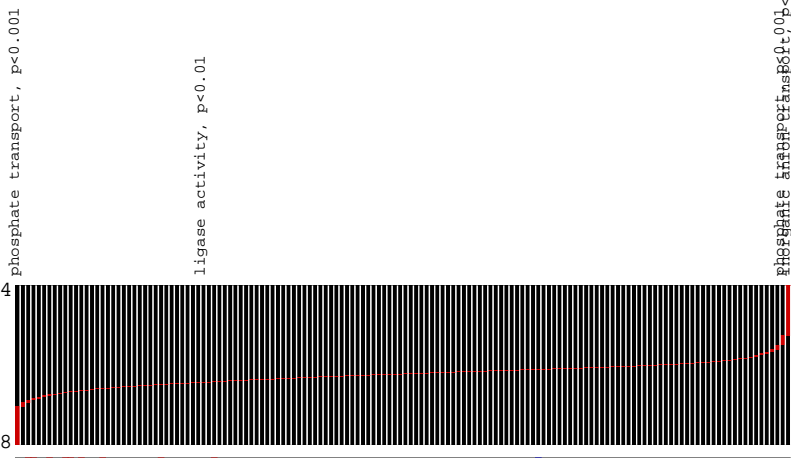


over-representation

under-representation



ligase activity,  $p < 0.01$

phosphate transport,  $p < 1e-09$

optimized motif	location	MI (bits)	z-score	robustness	position bias	orientation bias	conservation bias	seed	motif name
	3'UTR	0.027	23.1	10/10	-	→	1.00	UUUCCCC	-
	5'	0.018	13.2	10/10	-	-	1.00	CGAGACC	-
	5'	0.019	14.2	10/10	-	-	1.00	AACGCGC	-
	5'	0.016	10.6	10/10	-	-	0.99	CTCTCTC	-
	5'	0.017	11.0	10/10	-	-	0.99	AGTGCGC	-
	5'	0.014	8.2	7/10	-	←	0.98	GATGCGC	-
	5'	0.014	8.1	10/10	-	←	0.82	CCGCGAA	-
	5'	0.014	8.0	7/10	Y	←	0.92	TTTATAC	-
	3'UTR	0.014	7.8	8/10	-	→	0.87	UAUUCAU	-
	3'UTR	0.014	7.8	7/10	-	→	0.98	CUCUUUC	-
	3'UTR	0.013	6.2	9/10	-	→	0.88	CUCCCAA	-
	5'	0.013	7.2	6/10	-	←	0.87	CGAAGAA	-
	3'UTR	0.013	7.0	6/10	-	→	0.99	AAUAAAU	-
	5'	0.013	6.5	7/10	-	-	0.66	AAACTTT	-