

over-representation
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under-representation
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bits	optimized motif	Location	MI (bits)	z-score	Robustness	Position bias	orientation bias	conservation index	seed	motif name
2	CCGGAAG	5'	0.018	13.3	10/10	-	-	1.00	CCGGAAG	NRF-2
2	AUAUUCU	3'UTR	0.014	7.9	7/10	-	→	0.96	AUAUUCU	-
2	UGUAUUG	3'UTR	0.016	11.2	10/10	-	→	0.99	UGUAUUG	-
2	ACGAAA	5'	0.016	10.7	10/10	-	→	0.79	ACGAAA	-
2	GGCAGAG	3'UTR	0.016	10.4	10/10	-	→	0.68	GGCAGAG	-
2	UUUGUAA	3'UTR	0.016	10.7	10/10	-	→	0.99	UUUGUAA	-
2	GUUAAAA	3'UTR	0.016	10.5	10/10	-	→	0.97	GUUAAAA	miR-505/miR-30d/miR-30c/miR-30e
2	UGGGCUG	3'UTR	0.015	9.3	10/10	-	→	0.82	UGGGCUG	-
2	UUUUAGU	3'UTR	0.015	9.8	10/10	-	→	0.97	UUUUAGU	-
2	CCUGGGU	3'UTR	0.015	9.1	10/10	-	→	0.90	CCUGGGU	-
2	UGGGCCU	3'UTR	0.015	9.2	9/10	-	→	0.92	UGGGCCU	-
2	UGAGGCC	3'UTR	0.015	8.5	8/10	-	→	0.67	UGAGGCC	-
2	CACCCAG	5'	0.013	7.1	7/10	-	-	0.57	CACCCAG	-
2	CCUGAG	3'UTR	0.015	8.9	9/10	-	→	0.74	CCUGAG	-
2	TTTACGC	5'	0.015	7.7	10/10	-	→	0.63	TTTACGC	-
2	CUGCUCU	3'UTR	0.015	8.4	8/10	-	→	0.80	CUGCUCU	-
2	AGGAGGC	3'UTR	0.015	7.6	9/10	-	→	0.19	AGGAGGC	-
2	AAACUGU	3'UTR	0.015	8.4	8/10	-	→	0.97	AAACUGU	-
2	UUUUGAA	3'UTR	0.014	8.4	8/10	-	→	0.99	UUUUGAA	miR-513/miR-27b/miR-27a
2	UUUUACC	3'UTR	0.014	8.3	9/10	-	→	0.99	UUUUACC	-
2	GGGGUGC	3'UTR	0.014	7.0	6/10	-	→	0.22	GGGGUGC	-
2	GAAUUA	3'UTR	0.014	8.3	9/10	-	→	0.98	GAAUUA	-
2	UAUUUGA	3'UTR	0.014	7.3	6/10	-	→	0.87	UAUUUGA	-
2	CGCAAAA	5'	0.014	8.2	9/10	-	→	0.73	CGCAAAA	-
2	ACCCUG	3'UTR	0.014	7.5	8/10	-	→	0.63	ACCCUG	-
2	GUUUACU	3'UTR	0.014	7.2	7/10	-	→	0.98	GUUUACU	-
2	AUUAUAA	3'UTR	0.014	6.9	6/10	-	→	0.93	AUUAUAA	-
2	GCCUUC	3'UTR	0.014	7.5	6/10	-	→	0.76	GCCUUC	-
2	UUGUAUG	3'UTR	0.014	7.1	8/10	-	→	0.99	UUGUAUG	-
2	UACUUG	3'UTR	0.014	7.7	6/10	-	→	0.96	UACUUG	-
2	AACCAU	3'UTR	0.013	7.5	7/10	-	→	0.72	AACCAU	-
2	GCGCCCC	3'UTR	0.013	6.7	6/10	-	→	0.83	GCGCCCC	-
2	CCCGCCU	3'UTR	0.013	6.5	6/10	-	→	0.27	CCCGCCU	-
2	AGAAGUA	3'UTR	0.013	6.6	7/10	-	→	0.60	AGAAGUA	-
2	ACCGTTA	5'	0.013	6.9	7/10	-	←	0.83	ACCGTTA	v-Myb
2	CAAACGA	5'	0.013	7.2	7/10	-	→	0.56	CAAACGA	-
2	ACATAAA	5'	0.013	7.1	9/10	-	←	1.00	ACATAAA	-