

Table S5. P-values of one-tail Wilcoxon tests for four classes of motif

Tissue	M vs 5' M*	M vs 3' M	M vs N	5' M vs 3'M	5' M vs N	3' M vs N
Muscle	6.04E-02	3.53E-02	1.81E-07	4.43E-01	3.36E-04	3.50E-04
Heart	3.16E-01	1.09E-03	1.47E-08	1.37E-02	1.36E-06	2.48E-03
Lung	1.14E-03	1.25E-09	1.89E-13	8.26E-03	2.95E-06	4.16E-03
Kidney	1.18E-01	5.24E-05	4.33E-07	1.33E-02	2.10E-04	4.58E-02
Testis	2.23E-03	5.18E-07	3.59E-16	4.31E-02	2.84E-08	2.76E-05
Prefrontal Cortex	3.26E-08	1.66E-21	8.34E-27	3.32E-04	3.96E-10	1.75E-04
Cerebellum	1.53E-19	3.76E-50	1.29E-57	8.07E-07	3.81E-17	3.12E-06