Supplementary Figure Legends

Figure S1. Expression levels of writer (**A**), reader (**B**), and eraser (**C**) genes in the heart, liver, and kidney from rats of 27, 36, and 96 weeks of age fed with standard and low-calorie diet. The values are reported as the mean of Relative Quantification values (RQ), measured in three independent triplicate experiments with standard deviation.

Table S1. Description and functional annotation of the writer genes acquired from Rat Genome Database (RGD) according to the Gene Ontology. GO results are classified by the number of GO terms related to Biological Processes, Cellular Components, and Molecular Functions.

Table S2. Description and functional annotation of the reader genes acquired from Rat Genome Database (RGD) according to the Gene Ontology. GO results are classified by the number of GO terms related to Biological Processes, Cellular Components, and Molecular Functions.

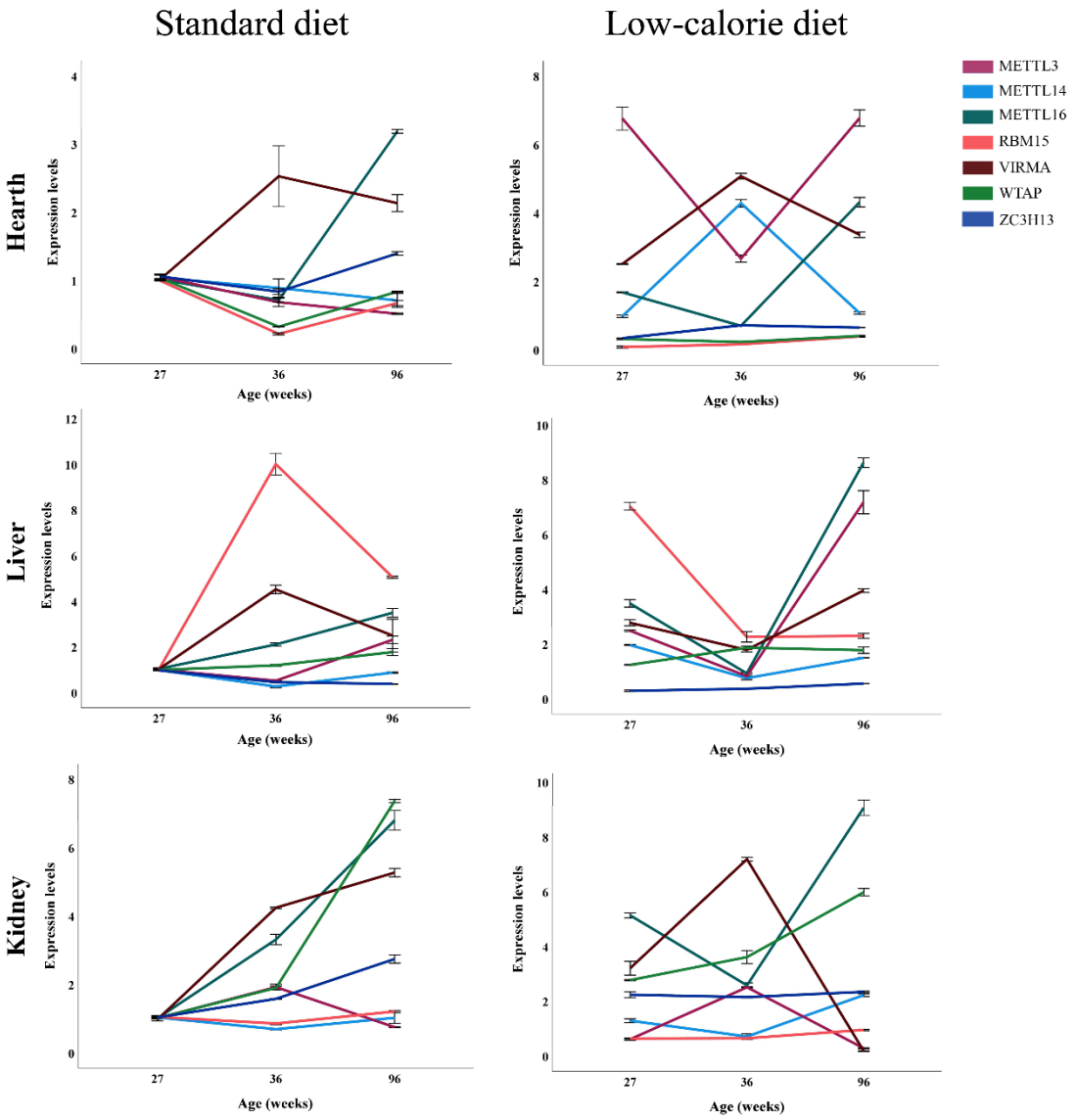
Table S3. Description and functional annotation of the eraser genes acquired from Rat Genome Database (RGD) according to the Gene Ontology. GO results are classified by the number of GO terms related to Biological Processes, Cellular Components, and Molecular Functions.

Table S4. Nucleotide sequences (5'→3') and annealing temperature of the primers used in the gene expression analysis.

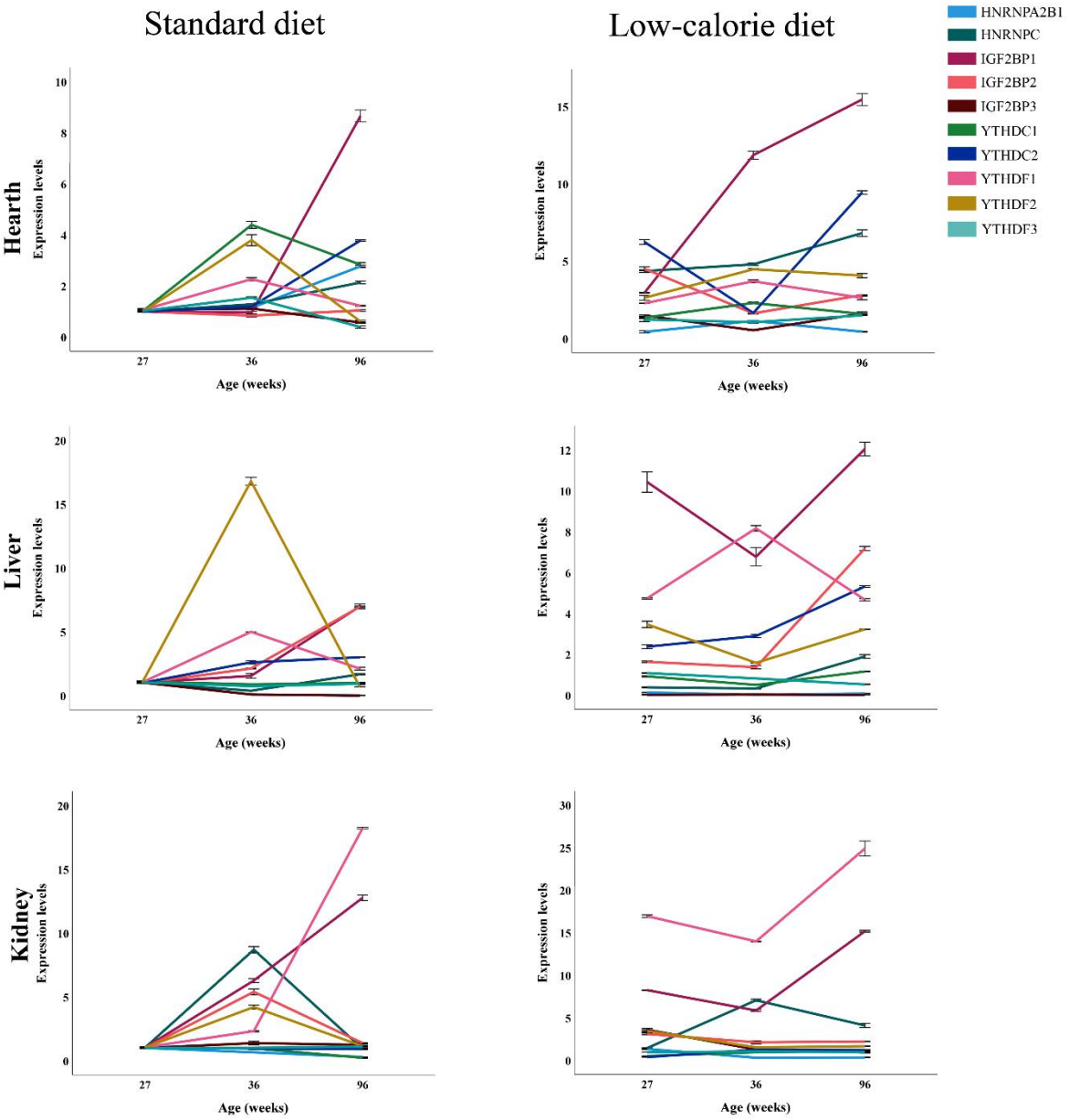
Table S5. Expression levels of writer, reader and eraser genes in the heart, liver, and kidney from rats of 27, 36, and 96 weeks of age, fed with standard and low-calorie diet. The values represent the mean of three independent triplicate experiments with standard deviation. $\log_2$FC (Fold Change) indicates the change in expression in the low-calorie diet compared with the standard diet.

Table S6. Expression levels of writer, reader and eraser genes in the heart, liver, and kidney from rats of 27, 36, and 96 weeks of age, fed with standard and low-calorie diet. The values represent the mean of three independent triplicate experiments with standard deviation. $\log_2$FC (Fold Change) indicates the change in expression from 36 to 27, 96 to 27 and 96 to 36 weeks of age.

A


Standard diet
Low-calorie diet
METTL3
METTL14
METTL16
RBM15
VIRMA
WTAP
ZC3H13
Hearth
Liver
Kidney
Expression levels
Age (weeks)
27
36
96

B


Standard diet
Low-calorie diet
HNRNPA2B1
HNRNPC
IGF2BP1
IGF2BP2
IGF2BP3
YTHDC1
YTHDC2
YTHDF1
YTHDF2
YTHDF3
Hearth
Liver
Kidney
Expression levels
Age (weeks)
27
36
96

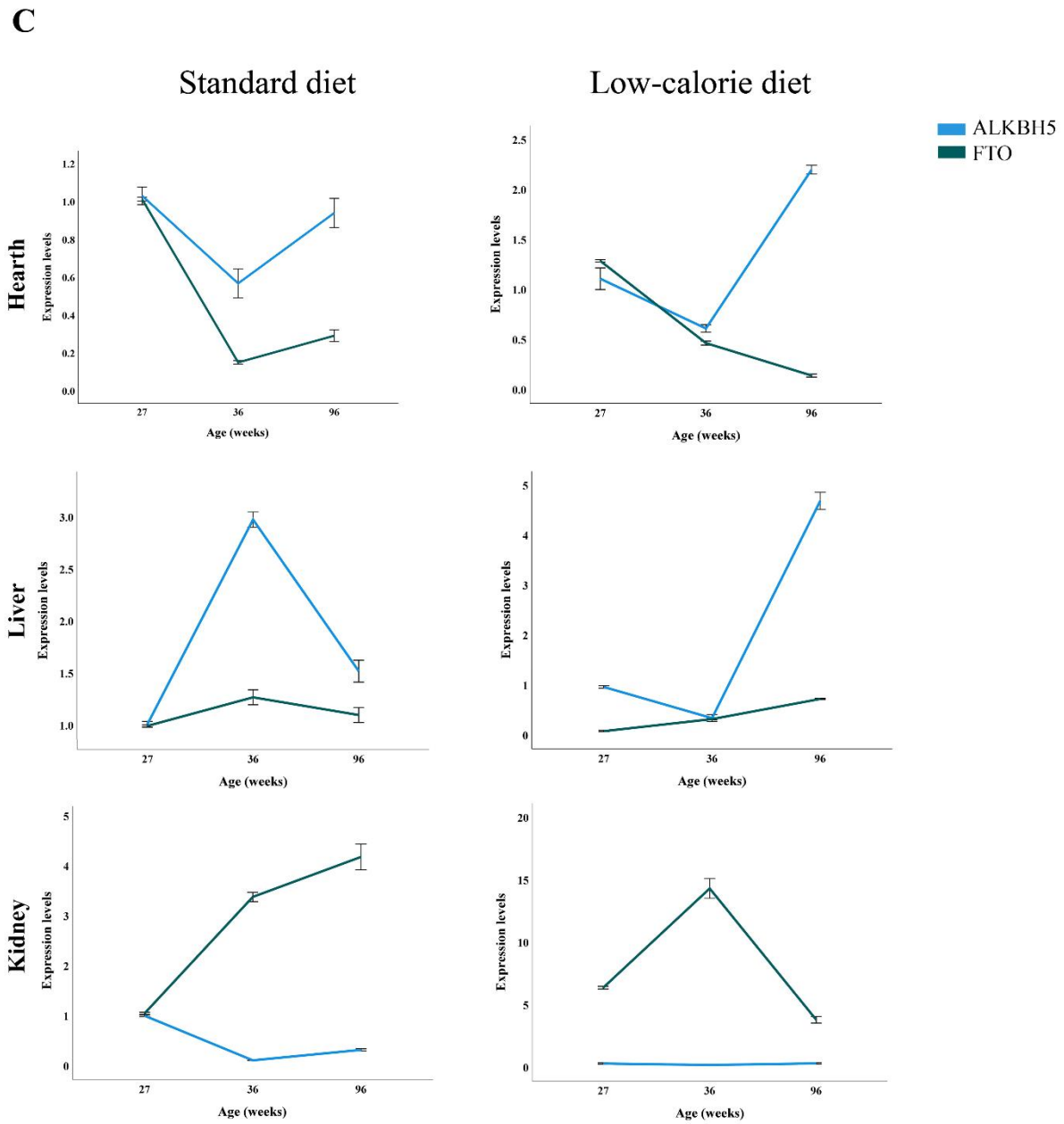


Figure S1. Expression levels of writer (**A**), reader (**B**), and eraser (**C**) genes in the heart, liver, and kidney from rats of 27, 36, and 96 weeks of age fed with standard and low-calorie diet. The values are reported as the mean of Relative Quantification values (RQ), measured in three independent triplicate experiments with standard deviation.

Table S4. Nucleotide sequences (5'→3') and annealing temperature of the primers used in the gene expression analysis.

Function	Gene	Primer Forward sequence	Primer Reverse sequence	Annealing temperature (°C)
WRITERS	*Mettl3*	CCAGCACAACGTCTATAGTCC	CGCTTTACCTCAATCAACTCCTG	60
	Mettl14	TTGGGAGCTGAGAGTGCA	CCGTCTCTCCTTCATCCAGA	60
	Mettl16	CAAGGACAAACCACCTGACTT	GTGGGAATTAGTCTCTCCAAAGG	59
	Rbm15	CTGTGGGAGGCAATAAAGACA	CATCCGATGTTCACCAGTTTTG	59
	Virma	TGAAGATGAGGATGACTGCCA	TTCACGTTCCAAGTCAGCAA	59
	Wtap	TGGAGGGAAAGTACACAGACC	ACTCTTGCATCTCCTGTTCCT	59
	Zc3h13	GGAGGAAGGTCACAGTGGAA	GCTGCTGTAACCTTTCCCAC	60
READERS	*Hnrnpa2b1*	ATTGATGGCAGGGTGGTTGA	TTTCCAGACTGCCTATCAGTA	61
	Hnrnpc	ACTTGGACTATGACTTTCAACGC	CTGGCGTTTGGAAGGCAC	60
	Igf2bp1	TAGACGTGCACAGGAAGGAG	CGCCCTTCCTTTCCAATGAG	60
	Igf2bp2	CCTGGTGAAGACGGGCTAC	AGGCTTCAGATGTCCCTTCT	60
	Igf2bp3	GTTGGTGCCATCATCGGAAA	TCAACTTCCATCGGTTTCCCA	60
	Ythdc1	ACATGGGCTCCTGGTTTCC	GCAAGAGACACATTCTCATGGT	60
	Ythdc2	ACCGACTAAGTCAATCTCTTGGT	AGGCTCCTAACAGCATGTTTTG	60
	Ythdf1	TGACTTTGAGCCCTACCTTTCT	GTGAGATACGGGATGGGAGG	58
	Ythdf2	ACCTTACTTGAGCCCACAGG	TGGTAGAAAGTGGGGCTCTC	60
	Ythdf3	CTGACAGCTGCAGTGACAAA	TTCGGTTGAGGTTTTGCAGG	60
ERASERS	*Alkbh5*	CATACGGCCTCAGGACATCA	TTCCAATCGTGGTGCATCTAA	58
	Fto	GGAGCTTGAAGACACTTGGC	TTGTGCAGTGTGAGAAAGGC	58
HOUSEKEEPING GENE	*Gapdh*	CCCCCAATGTATCCGTTGTG	TAGCCCAGGATGCCCTTTAGT	60

Table S5. Expression levels of writer, reader and eraser genes in the heart, liver, and kidney from rats of 27, 36, and 96 weeks of age, fed with standard and low-calorie diet. The values represent the mean of three independent triplicate experiments with standard deviation. log2FC (Fold Change) indicates the change in expression in the low-calorie diet compared with the standard diet.

			27 weeks							36 weeks							96 weeks						
			Standard diet		Low-calorie diet					Standard diet		Low-calorie diet					Standard diet		Low-calorie diet				
		Gene	Mean	sd	Mean	sd	log2FC	p-value	Bonferroni-adjusted p-values	Mean	sd	Mean	sd	log2FC	p-value	Bonferroni-adjusted p-values	Mean	sd	Mean	sd	log2FC	p-value	Bonferroni-adjusted p-values
Heart	Writers	METTL3	1.056	0.048	6.764	0.583	2.680	0.003	0.057	0.682	0.110	2.669	0.183	1.970	0.000	0.006	0.512	0.018	6.774	0.413	3.720	0.001	0.019
		METTL14	1.041	0.068	0.984	0.058	-0.080	0.329	1.000	0.891	0.232	4.286	0.188	2.270	0.000	0.001	0.709	0.180	1.077	0.064	0.600	0.058	1.000
		METTL16	1.019	0.017	1.684	0.026	0.730	0.000	0.000	0.712	0.050	0.704	0.004	-0.020	0.805	1.000	3.187	0.048	4.318	0.241	0.440	0.012	0.228
		RBM15	0.999	0.002	0.085	0.048	-3.560	0.001	0.017	0.218	0.027	0.165	0.010	-0.400	0.067	1.000	0.669	0.066	0.393	0.030	-0.770	0.009	0.171
		VIRMA	1.015	0.013	2.511	0.025	1.310	0.000	0.000	2.529	0.771	5.074	0.143	1.000	0.026	0.494	2.135	0.215	3.366	0.140	0.660	0.002	0.038
		WTAP	1.036	0.074	0.320	0.033	-1.690	0.001	0.018	0.322	0.004	0.234	0.024	-0.460	0.020	0.380	0.837	0.015	0.410	0.028	-1.030	0.000	0.003
		ZC3H13	1.060	0.061	0.344	0.014	-1.630	0.002	0.038	0.836	0.072	0.719	0.025	-0.220	0.094	1.000	1.398	0.047	0.654	0.004	-1.100	0.001	0.019
	Readers	HNRNPA2B1	1.047	0.112	0.437	0.133	-1.260	0.004	0.076	1.145	0.115	1.143	0.040	0.000	0.981	1.000	2.768	0.087	0.446	0.052	-2.630	0.000	0.000
		HNRNPC	1.006	0.017	4.364	0.158	2.120	0.001	0.012	1.280	0.042	4.803	0.132	1.910	0.000	0.003	2.137	0.094	6.819	0.370	1.670	0.001	0.019
		IGF2BP1	0.999	0.030	2.962	0.045	1.570	0.000	0.000	0.957	0.084	11.858	0.440	3.630	0.000	0.007	8.658	0.404	15.456	0.669	0.840	0.000	0.007
		IGF2BP2	0.998	0.023	4.516	0.231	2.180	0.001	0.019	0.841	0.085	1.632	0.073	0.960	0.000	0.005	1.037	0.060	2.816	0.029	1.440	0.000	0.001
		IGF2BP3	1.050	0.045	1.493	0.069	0.510	0.001	0.019	1.114	0.066	0.542	0.056	-1.040	0.000	0.007	0.568	0.049	1.618	0.188	1.510	0.007	0.133
		YTHDC1	1.013	0.023	1.358	0.101	0.420	0.023	0.437	4.393	0.231	2.304	0.091	-0.930	0.001	0.019	2.834	0.146	1.592	0.058	-0.830	0.002	0.038
		YTHDC2	0.985	0.016	6.249	0.260	2.670	0.001	0.015	1.201	0.044	1.661	0.114	0.470	0.012	0.228	3.779	0.040	9.450	0.190	1.320	0.000	0.004
		YTHDF1	1.060	0.076	2.283	0.018	1.110	0.001	0.014	2.267	0.107	3.706	0.157	0.710	0.000	0.008	1.222	0.023	2.631	0.212	1.110	0.007	0.133
		YTHDF2	0.991	0.008	2.637	0.276	1.410	0.009	0.171	3.794	0.375	4.484	0.078	0.240	0.080	1.000	0.608	0.085	4.073	0.232	2.740	0.000	0.009
		YTHDF3	1.020	0.028	1.231	0.219	0.270	0.235	1.000	1.539	0.063	1.062	0.108	-0.540	0.006	0.114	0.391	0.083	1.506	0.034	1.950	0.000	0.009
	Erasers	ALKBH5	1.030	0.081	1.106	0.189	0.100	0.569	1.000	0.567	0.133	0.609	0.065	0.100	0.660	1.000	0.939	0.134	2.197	0.076	1.230	0.001	0.011
		FTO	1.012	0.018	1.284	0.020	0.340	0.000	0.001	0.149	0.017	0.462	0.034	1.630	0.001	0.017	0.291	0.053	0.138	0.027	-1.080	0.021	0.399
Liver	Writers	METTL3	1.007	0.015	2.492	0.048	1.310	0.000	0.002	0.524	0.024	0.832	0.106	0.670	0.032	0.608	2.431	0.259	7.181	0.730	1.560	0.004	0.076
		METTL14	0.988	0.023	1.969	0.028	0.990	0.000	0.000	0.270	0.087	0.761	0.108	1.500	0.004	0.076	0.896	0.040	1.502	0.011	0.750	0.001	0.013
		METTL16	1.045	0.067	3.488	0.238	1.740	0.002	0.038	2.109	0.123	0.935	0.057	-1.170	0.001	0.017	3.553	0.212	8.628	0.307	1.280	0.000	0.001
		RBM15	1.018	0.017	7.037	0.231	2.790	0.000	0.009	10.015	0.823	2.264	0.331	-2.150	0.001	0.019	4.804	0.442	2.303	0.154	-1.060	0.006	0.114
		VIRMA	1.035	0.040	2.781	0.195	1.430	0.003	0.057	4.524	0.325	1.791	0.122	-1.340	0.002	0.038	2.501	1.019	3.959	0.121	0.660	0.290	1.000
		WTAP	0.995	0.031	1.245	0.021	0.320	0.001	0.012	1.197	0.062	1.871	0.111	0.640	0.002	0.038	1.780	0.154	1.781	0.202	0.000	0.993	1.000
		ZC3H13	0.977	0.021	0.297	0.052	-1.720	0.001	0.010	0.457	0.019	0.372	0.011	-0.300	0.005	0.095	0.389	0.017	0.562	0.006	0.530	0.001	0.019

	Readers	**HNRNPA2B1**	1.032	0.079	0.130	0.018	-2.980	0.002	0.038	0.094	0.002	0.022	0.004	-2.110	0.000	0.001	0.025	0.010	0.080	0.023	1.710	0.035	0.665
		HNRNPC	1.012	0.019	0.381	0.047	-1.410	0.000	0.009	0.387	0.011	0.328	0.040	-0.240	0.114	1.000	1.673	0.076	1.893	0.159	0.180	0.125	1.000
		IGF2BP1	1.025	0.054	10.437	0.863	3.350	0.003	0.057	1.550	0.329	6.774	0.774	2.130	0.003	0.057	6.993	0.335	12.052	0.589	0.790	0.001	0.014
		IGF2BP2	0.977	0.021	1.636	0.067	0.740	0.002	0.038	2.128	0.058	1.368	0.139	-0.640	0.005	0.095	6.962	0.098	7.184	0.179	0.050	0.152	1.000
		IGF2BP3	1.028	0.030	0.021	0.032	-5.650	0.000	0.000	0.095	0.004	0.053	0.008	-0.840	0.004	0.076	0.004	0.003	0.009	0.003	1.280	0.108	1.000
		YTHDC1	1.104	0.096	0.921	0.053	-0.260	0.060	1.000	0.888	0.070	0.504	0.024	-0.820	0.006	0.114	0.995	0.076	1.159	0.024	0.220	0.054	1.000
		YTHDC2	1.000	0.000	2.375	0.162	1.250	0.162	1.000	2.611	0.236	2.898	0.141	0.150	0.160	1.000	3.008	0.040	5.321	0.076	0.820	0.000	0.000
		YTHDF1	1.039	0.035	4.740	0.057	2.190	0.000	0.000	5.000	0.011	8.172	0.234	0.710	0.002	0.038	2.114	0.176	4.673	0.093	1.140	0.000	0.004
		YTHDF2	1.016	0.031	3.466	0.269	1.770	0.004	0.076	16.799	0.508	1.585	0.029	-3.410	0.000	0.007	0.682	0.021	3.227	0.010	2.240	0.000	0.000
		YTHDF3	1.045	0.112	1.084	0.018	0.050	0.605	1.000	0.744	0.055	0.818	0.038	0.140	0.134	1.000	0.928	0.102	0.527	0.025	-0.810	0.017	0.323
	Erasers	**ALKBH5**	1.007	0.050	0.959	0.043	-0.070	0.269	1.000	2.974	0.126	0.335	0.119	-3.150	0.000	0.000	1.518	0.182	4.681	0.298	1.620	0.000	0.006
		FTO	0.992	0.017	0.075	0.023	-3.730	0.000	0.000	1.267	0.124	0.316	0.035	-2.000	0.003	0.057	1.097	0.125	0.719	0.017	-0.610	0.033	0.627
Kidney	Writers	**METTL3**	1.020	0.035	0.619	0.065	-0.720	0.002	0.038	1.926	0.150	2.517	0.031	0.390	0.017	0.323	0.756	0.029	0.288	0.029	-1.390	0.000	0.001
		METTL14	1.040	0.070	1.295	0.122	0.320	0.048	0.912	0.697	0.033	0.718	0.171	0.040	0.857	1.000	1.029	0.280	2.230	0.083	1.120	0.012	0.228
		METTL16	1.013	0.013	5.142	0.158	2.340	0.000	0.009	3.318	0.266	2.585	0.161	-0.360	0.022	0.418	6.798	0.500	9.075	0.479	0.420	0.005	0.095
		RBM15	1.054	0.075	0.643	0.026	-0.710	0.006	0.114	0.863	0.055	0.655	0.036	-0.400	0.008	0.152	1.215	0.055	0.958	0.047	-0.340	0.004	0.076
		VIRMA	0.978	0.070	3.212	0.436	1.720	0.011	0.209	4.247	0.043	7.193	0.121	0.760	0.000	0.003	5.272	0.214	0.182	0.016	-4.860	0.001	0.011
		WTAP	1.022	0.039	2.776	0.043	1.440	0.000	0.000	1.904	0.088	3.618	0.412	0.930	0.015	0.285	7.362	0.081	5.987	0.239	-0.300	0.005	0.095
		ZC3H13	1.039	0.064	2.243	0.184	1.110	0.004	0.076	1.584	0.022	2.158	0.054	0.450	0.001	0.018	2.748	0.208	2.349	0.043	-0.230	0.074	1.000
	Readers	**HNRNPA2B1**	1.004	0.024	1.338	0.082	0.410	0.014	0.266	0.656	0.059	0.306	0.007	-1.100	0.008	0.152	0.297	0.009	0.344	0.058	0.210	0.289	1.000
		HNRNPC	1.016	0.014	1.447	0.055	0.510	0.004	0.076	8.700	0.428	7.056	0.231	-0.300	0.009	0.171	0.929	0.111	4.097	0.417	2.140	0.004	0.076
		IGF2BP1	1.031	0.049	8.250	0.061	3.000	0.000	0.000	6.282	0.274	5.858	0.224	-0.100	0.110	1.000	12.768	0.377	15.167	0.170	0.250	0.003	0.057
		IGF2BP2	0.988	0.018	3.096	0.168	1.650	0.002	0.038	5.396	0.406	2.120	0.304	-1.350	0.001	0.010	1.382	0.028	2.210	0.043	0.680	0.000	0.001
		IGF2BP3	1.003	0.017	3.594	0.280	1.840	0.004	0.076	1.377	0.245	1.273	0.111	-0.110	0.553	1.000	1.242	0.127	0.929	0.148	-0.420	0.051	0.969
		YTHDC1	1.002	0.083	0.504	0.031	-0.990	0.004	0.076	0.969	0.065	0.949	0.028	-0.030	0.651	1.000	0.229	0.061	1.106	0.063	2.270	0.000	0.001
		YTHDC2	1.058	0.061	0.381	0.017	-1.470	0.001	0.019	0.959	0.145	1.264	0.035	0.400	0.061	1.000	0.907	0.039	1.211	0.104	0.420	0.025	0.475
		YTHDF1	1.050	0.046	16.944	0.284	4.010	0.000	0.001	2.320	0.092	13.976	0.053	2.590	0.000	0.000	18.228	0.085	24.891	1.518	0.450	0.017	0.323
		YTHDF2	1.040	0.066	3.466	0.237	1.740	0.002	0.038	4.203	0.255	1.530	0.036	-1.460	0.003	0.057	1.138	0.099	1.666	0.037	0.550	0.006	0.114
		YTHDF3	0.993	0.010	0.958	0.004	-0.050	0.015	0.285	1.015	0.088	1.038	0.084	0.030	0.761	1.000	1.115	0.047	0.980	0.040	-0.190	0.020	0.380
	Erasers	**ALKBH5**	0.999	0.032	0.283	0.104	-1.820	0.004	0.076	0.105	0.004	0.169	0.017	0.680	0.018	0.342	0.315	0.038	0.297	0.092	-0.090	0.770	1.000
		FTO	1.045	0.039	6.358	0.181	2.600	0.000	0.004	3.376	0.161	14.299	1.359	2.080	0.005	0.095	4.176	0.447	3.786	0.454	-0.140	0.349	1.000

Table S6. Expression levels of writer, reader and eraser genes in the heart, liver and kidney from rats of 27, 36, and 96 weeks of age, fed with standard and low-calorie diet. The values represent the mean of three independent triplicate experiments with standard deviation. log2FC (Fold Change) indicates the change in expression from 36 to 27, 96 to 27 and 96 to 36 weeks of age.

		Standard diet														
			36 vs 27					96 vs 27					96 vs 36			
			36	27				96	27				96	36			
		Gene	Mean	Mean	log2FC	p-value	Bonferroni-adjusted p-values	Mean	Mean	log2FC	p-value	Bonferroni-adjusted p-values	Mean	Mean	log2FC	p-value	Bonferroni-adjusted p-values
Heart	WRITERS	METTL3	0.682	1.056	-0.631	0.016	0.304	0.512	1.056	-1.044	0.001	0.018	0.512	0.682	-0.414	0.113	1.000
		METTL14	0.891	1.041	-0.224	0.379	1.000	0.709	1.041	-0.554	0.071	1.000	0.709	0.891	-0.330	0.347	1.000
		METTL16	0.712	1.019	-0.517	0.004	0.076	3.187	1.019	1.645	0.000	0.001	3.187	0.712	2.162	0.000	0.000
		RBM15	0.218	0.999	-2.196	0.000	0.007	0.669	0.999	-0.578	0.013	0.247	0.669	0.218	1.618	0.003	0.057
		VIRMA	2.529	1.015	1.317	0.077	1.000	2.135	1.015	1.073	0.012	0.228	2.135	2.529	-0.244	0.474	1.000
		WTAP	0.322	1.036	-1.686	0.004	0.076	0.837	1.036	-0.308	0.039	0.741	0.837	0.322	1.378	0.000	0.002
		ZC3H13	0.836	1.060	-0.342	0.015	0.285	1.398	1.060	0.399	0.002	0.038	1.398	0.836	0.742	0.001	0.015
	READERS	HNRNPA2B1	1.145	1.047	0.129	0.352	1.000	2.768	1.047	1.403	0.000	0.001	2.768	1.145	1.273	0.000	0.001
		HNRNPC	1.280	1.006	0.348	0.003	0.057	2.137	1.006	1.087	0.002	0.038	2.137	1.280	0.739	0.001	0.019
		IGF2BP1	0.957	0.998	-0.061	0.489	1.000	8.658	0.998	3.117	0.001	0.017	8.658	0.957	3.177	0.001	0.011
		IGF2BP2	0.841	0.998	-0.247	0.076	1.000	1.037	0.998	0.055	0.389	1.000	1.037	0.841	0.302	0.036	0.684
		IGF2BP3	1.114	1.050	0.085	0.249	1.000	0.568	1.050	-0.886	0.000	0.004	0.568	1.114	-0.972	0.001	0.010
		YTHDC1	4.393	1.013	2.117	0.001	0.019	2.834	1.013	1.484	0.002	0.038	2.834	4.393	-0.632	0.001	0.019
		YTHDC2	1.201	0.985	0.286	0.007	0.133	3.779	0.985	1.940	0.000	0.000	3.779	1.201	1.654	0.000	0.000
		YTHDF1	2.267	1.060	1.097	0.000	0.003	1.222	1.060	0.205	0.055	1.000	1.222	2.267	-0.892	0.002	0.038
		YTHDF2	3.794	0.991	1.937	0.006	0.114	0.608	0.991	-0.705	0.015	0.285	0.608	3.794	-2.642	0.003	0.057
		YTHDF3	1.539	1.020	0.593	0.001	0.019	0.391	1.020	-1.383	0.003	0.057	0.391	1.539	-1.977	0.000	0.001
	ERASERS	ALKBH5	0.567	1.030	-0.861	0.011	0.209	0.939	1.030	-0.133	0.382	1.000	0.939	0.567	0.728	0.027	0.513
		FTO	0.149	1.012	-2.764	0.000	0.000	0.291	1.012	-1.798	0.001	0.012	0.291	0.149	0.966	0.034	0.646
Liver	WRITERS	METTL3	0.524	1.007	-0.942	0.000	0.001	2.431	1.007	1.271	0.011	0.209	2.431	0.524	2.214	0.006	0.114
		METTL14	0.270	0.988	-1.872	0.003	0.057	0.896	0.988	-0.141	0.036	0.684	0.896	0.270	1.731	0.002	0.038
		METTL16	2.109	1.045	1.013	0.001	0.015	3.553	1.045	1.766	0.001	0.019	3.553	2.109	0.752	0.001	0.019
		RBM15	10.020	1.018	3.298	0.003	0.057	4.804	1.018	2.238	0.004	0.076	4.804	10.015	-1.060	0.002	0.038
		VIRMA	4.524	1.035	2.128	0.003	0.057	2.501	1.035	1.273	0.291	1.000	2.501	4.524	-0.855	0.200	1.000

		WTAP	1.197	0.995	0.267	0.016	0.304	1.780	0.995	0.839	0.010	0.190	1.780	1.197	0.572	0.013	0.247
		ZC3H13	0.457	0.976	-1.095	0.000	0.000	0.389	0.976	-1.327	0.000	0.000	0.389	0.457	-0.232	0.009	0.171
	READERS	**HNRNPA2B1**	0.094	1.032	-3.457	0.002	0.038	0.025	1.032	-5.367	0.002	0.038	0.025	0.094	-1.911	0.005	0.095
		HNRNPC	0.387	1.012	-1.387	0.000	0.000	1.673	1.012	0.725	0.003	0.057	1.673	0.387	2.112	0.001	0.018
		IGF2BP1	1.550	1.025	0.597	0.106	1.000	6.993	1.025	2.770	0.001	0.015	6.993	1.550	2.174	0.000	0.001
		IGF2BP2	2.128	0.976	1.125	0.000	0.004	6.962	0.976	2.835	0.000	0.001	6.962	2.128	1.710	0.000	0.000
		IGF2BP3	0.095	1.028	-3.436	0.000	0.005	0.004	1.028	-8.006	0.000	0.005	0.004	0.095	-4.570	0.000	0.000
		YTHDC1	0.888	1.104	-0.314	0.039	0.741	0.995	1.104	-0.150	0.204	1.000	0.995	0.888	0.164	0.146	1.000
		YTHDC2	2.611	1.000	1.385	0.007	0.133	3.008	1.000	1.589	0.000	0.000	3.008	2.611	0.204	0.096	1.000
		YTHDF1	5.000	1.039	2.267	0.000	0.000	2.114	1.039	1.025	0.007	0.133	2.114	5.000	-1.242	0.001	0.019
		YTHDF2	16.800	1.016	4.047	0.000	0.006	0.682	1.016	-0.575	0.000	0.005	0.682	16.799	-4.622	0.000	0.006
		YTHDF3	0.744	1.045	-0.490	0.027	0.513	0.928	1.045	-0.171	0.253	1.000	0.928	0.744	0.319	0.070	1.330
	ERASERS	**ALKBH5**	2.974	1.007	1.562	0.000	0.007	1.518	1.007	0.592	0.032	0.608	1.518	2.974	-0.970	0.001	0.012
		FTO	1.267	0.992	0.353	0.059	1.000	1.097	0.992	0.145	0.283	1.000	1.097	1.267	-0.208	0.170	1.000
Kidney	**WRITERS**	**METTL3**	1.926	1.020	0.917	0.007	0.133	0.756	1.020	-0.432	0.001	0.012	0.756	1.926	-1.349	0.004	0.076
		METTL14	0.697	1.040	-0.577	0.006	0.114	1.029	1.040	-0.015	0.953	1.000	1.029	0.697	0.562	0.175	1.000
		METTL16	3.318	1.013	1.712	0.004	0.076	6.798	1.013	2.746	0.002	0.038	6.798	3.318	1.035	0.002	0.038
		RBM15	0.863	1.054	-0.288	0.027	0.513	1.215	1.054	0.205	0.045	0.855	1.215	0.863	0.494	0.001	0.019
		VIRMA	4.247	0.978	2.119	0.000	0.000	5.272	0.978	2.430	0.000	0.005	5.272	4.247	0.312	0.012	0.228
		WTAP	1.904	1.022	0.898	0.001	0.016	7.362	1.022	2.849	0.000	0.000	7.362	1.904	1.951	0.000	0.000
		ZC3H13	1.584	1.039	0.608	0.002	0.038	2.748	1.039	1.403	0.003	0.057	2.748	1.584	0.795	0.010	0.190
	READERS	**HNRNPA2B1**	0.656	1.004	-0.614	0.004	0.076	0.297	1.004	-1.757	0.000	0.002	0.297	0.656	-1.143	0.008	0.152
		HNRNPC	8.700	1.016	3.098	0.001	0.019	0.929	1.016	-0.129	0.310	1.000	0.929	8.700	-3.227	0.001	0.010
		IGF2BP1	6.282	1.031	2.607	0.001	0.012	12.770	1.031	3.630	0.000	0.005	12.768	6.282	1.023	0.000	0.001
		IGF2BP2	5.396	0.988	2.449	0.003	0.057	1.382	0.988	0.484	0.000	0.002	1.382	5.396	-1.965	0.003	0.057
		IGF2BP3	1.377	1.003	0.457	0.118	1.000	1.242	1.003	0.308	0.080	1.000	1.242	1.377	-0.149	0.460	1.000
		YTHDC1	0.969	1.002	-0.048	0.618	1.000	0.229	1.002	-2.129	0.000	0.006	0.229	0.969	-2.081	0.000	0.003
		YTHDC2	0.959	1.058	-0.142	0.365	1.000	0.907	1.058	-0.222	0.029	0.551	0.907	0.959	-0.080	0.601	1.000
		YTHDF1	2.320	1.050	1.144	0.000	0.005	18.230	1.050	4.118	0.000	0.000	18.228	2.320	2.974	0.000	0.000
		YTHDF2	4.203	1.040	2.015	0.001	0.019	1.138	1.040	0.130	0.236	1.000	1.138	4.203	-1.885	0.001	0.014
		YTHDF3	1.015	0.993	0.032	0.711	1.000	1.115	0.993	0.167	0.041	0.779	1.115	1.015	0.136	0.178	1.000
	ERASERS	**ALKBH5**	0.105	0.999	-3.250	0.000	0.007	0.315	0.999	-1.665	0.000	0.000	0.315	0.105	1.585	0.010	0.190
		FTO	3.376	1.045	1.692	0.001	0.018	4.176	1.045	1.999	0.006	0.114	4.176	3.376	0.307	0.076	1.000

			Low-calorie diet														
			36 vs 27					96 vs 27					96 vs 36				
			36	27				96	27				96	36			
		Gene	Mean	Mean	log2FC	p-value	Bonferroni-adjusted p-values	Mean	Mean	log2FC	p-value	Bonferroni-adjusted p-values	Mean	Mean	log2FC	p-value	Bonferroni-adjusted p-values
Heart	WRITERS	METTL3	2.670	6.760	-1.342	0.004	0.076	6.774	6.764	0.002	0.982	1.000	6.774	2.669	1.344	0.001	0.017
		METTL14	4.290	0.980	2.123	0.000	0.008	1.077	0.984	0.130	0.133	1.000	1.077	4.286	-1.993	0.000	0.007
		METTL16	0.700	1.680	-1.258	0.000	0.003	4.318	1.684	1.358	0.003	0.057	4.318	0.704	2.617	0.001	0.019
		RBM15	0.170	0.090	0.957	0.094	1.000	0.393	0.085	2.209	0.002	0.038	0.393	0.165	1.252	0.003	0.057
		VIRMA	5.070	2.510	1.015	0.001	0.014	3.366	2.511	0.423	0.007	0.133	3.366	5.074	-0.592	0.000	0.002
		WTAP	0.230	0.320	-0.452	0.025	0.475	0.410	0.320	0.358	0.024	0.456	0.410	0.234	0.809	0.001	0.019
		ZC3H13	0.720	0.340	1.064	0.000	0.002	0.654	0.344	0.927	0.000	0.006	0.654	0.719	-0.137	0.043	0.817
	READERS	HNRNPA2B1	1.140	0.440	1.387	0.007	0.133	0.446	0.437	0.029	0.922	1.000	0.446	1.143	-1.358	0.000	0.001
		HNRNPC	4.800	4.360	0.138	0.022	0.418	6.819	4.364	0.644	0.003	0.057	6.819	4.803	0.506	0.006	0.114
		IGF2BP1	11.900	2.960	2.001	0.001	0.014	15.455	2.962	2.383	0.001	0.017	15.455	11.858	0.382	0.003	0.057
		IGF2BP2	1.630	4.520	-1.468	0.001	0.018	2.816	4.516	-0.681	0.006	0.114	2.816	1.632	0.787	0.000	0.006
		IGF2BP3	0.540	1.490	-1.462	0.000	0.001	1.618	1.493	0.116	0.372	1.000	1.618	0.542	1.578	0.006	0.114
		YTHDC1	2.300	1.360	0.764	0.000	0.005	1.592	1.357	0.230	0.036	0.684	1.592	2.304	-0.533	0.001	0.015
		YTHDC2	1.660	6.250	-1.912	0.000	0.004	9.450	6.249	0.597	0.000	0.002	9.450	1.661	2.508	0.000	0.000
		YTHDF1	3.710	2.280	0.699	0.004	0.076	2.631	2.283	0.205	0.104	1.000	2.631	3.706	-0.494	0.003	0.057
		YTHDF2	4.480	2.640	0.766	0.005	0.095	4.073	2.637	0.627	0.003	0.057	4.073	4.484	-0.139	0.079	1.000
		YTHDF3	1.060	1.230	-0.213	0.317	1.000	1.506	1.231	0.291	0.158	1.000	1.506	1.062	0.504	0.013	0.247
	ERASERS	ALKBH5	0.610	1.110	-0.861	0.034	0.646	2.197	1.106	0.990	0.004	0.076	2.197	0.609	1.851	0.000	0.000
		FTO	0.460	1.280	-1.475	0.000	0.000	0.138	1.284	-3.218	0.000	0.000	0.138	0.462	-1.743	0.000	0.005
Liver	WRITERS	METTL3	0.830	2.490	-1.583	0.000	0.005	7.181	2.492	1.527	0.008	0.152	7.181	0.832	3.110	0.004	0.076
		METTL14	0.760	1.970	-1.371	0.002	0.038	1.502	1.969	-0.391	0.000	0.006	1.502	0.761	0.981	0.007	0.133
		METTL16	0.940	3.490	-1.899	0.002	0.038	8.628	3.488	1.307	0.000	0.001	8.628	0.935	3.206	0.000	0.007
		RBM15	2.260	7.040	-1.636	0.000	0.001	2.303	7.037	-1.611	0.000	0.000	2.303	2.264	0.025	0.865	1.000
		VIRMA	1.790	2.780	-0.635	0.003	0.057	3.959	2.781	0.510	0.002	0.038	3.959	1.791	1.144	0.000	0.000
		WTAP	1.870	1.250	0.588	0.009	0.171	1.781	1.245	0.517	0.043	0.817	1.781	1.871	-0.071	0.546	1.000

	READERS	ZC3H13	0.370	0.300	0.325	0.123	1.000	0.562	0.297	0.920	0.012	0.228	0.562	0.372	0.595	0.000	0.002
		HNRNPA2B1	0.020	0.130	-2.563	0.007	0.133	0.080	0.130	-0.700	0.043	0.817	0.080	0.022	1.862	0.044	0.836
		HNRNPC	0.330	0.380	-0.216	0.207	1.000	1.893	0.381	2.313	0.002	0.038	1.893	0.328	2.529	0.002	0.038
		IGF2BP1	6.770	10.400	-0.624	0.006	0.114	12.052	10.437	0.208	0.063	1.000	12.052	6.774	0.831	0.001	0.019
		IGF2BP2	1.370	1.640	-0.259	0.060	1.140	7.184	1.636	2.135	0.000	0.001	7.184	1.367	2.394	0.000	0.000
		IGF2BP3	0.040	0.020	0.807	0.210	1.000	0.009	0.020	-1.152	0.588	1.000	0.009	0.035	-1.959	0.004	0.076
		YTHDC1	0.500	0.920	-0.870	0.002	0.038	1.159	0.921	0.332	0.007	0.133	1.159	0.504	1.201	0.000	0.000
		YTHDC2	2.900	2.380	0.287	0.014	0.266	5.321	2.375	1.164	0.000	0.003	5.321	2.898	0.877	0.000	0.002
		YTHDF1	8.170	4.740	0.786	0.001	0.017	4.673	4.740	-0.021	0.359	1.000	4.673	8.171	-0.806	0.000	0.007
		YTHDF2	1.590	3.470	-1.129	0.006	0.114	3.227	3.466	-0.103	0.262	1.000	3.227	1.585	1.026	0.000	0.000
		YTHDF3	0.820	1.080	-0.406	0.002	0.038	0.527	1.084	-1.040	0.000	0.000	0.527	0.818	-0.634	0.001	0.015
	ERASERS	ALKBH5	0.340	0.960	-1.517	0.007	0.133	4.681	0.959	2.287	0.002	0.038	4.681	0.335	3.805	0.000	0.008
		FTO	0.320	0.080	2.075	0.001	0.019	0.719	0.075	3.261	0.000	0.000	0.719	0.316	1.186	0.001	0.009
Kidney	WRITERS	METTL3	2.520	0.620	2.026	0.000	0.001	0.288	0.618	-1.102	0.005	0.095	0.288	2.517	-3.128	0.000	0.000
		METTL14	0.720	1.300	-0.851	0.011	0.209	2.230	1.295	0.784	0.001	0.014	2.230	0.718	1.635	0.001	0.019
		METTL16	2.590	5.140	-0.992	0.000	0.001	9.075	5.142	0.820	0.002	0.038	9.075	2.585	1.812	0.001	0.013
		RBM15	0.660	0.640	0.027	0.664	1.000	0.958	0.643	0.575	0.002	0.038	0.958	0.655	0.549	0.001	0.019
		VIRMA	7.190	3.210	1.163	0.002	0.038	0.182	3.212	-4.141	0.007	0.133	0.182	7.193	-5.305	0.000	0.001
		WTAP	3.620	2.780	0.382	0.070	1.330	5.987	2.776	1.109	0.001	0.019	5.987	3.618	0.727	0.003	0.057
		ZC3H13	2.160	2.240	-0.056	0.512	1.000	2.349	2.243	0.067	0.422	1.000	2.349	2.158	0.122	0.010	0.190
	READERS	HNRNPA2B1	7.060	1.450	2.286	0.002	0.038	4.097	1.447	1.502	0.000	0.003	4.097	7.056	-0.784	0.371	1.000
		HNRNPC	0.310	1.340	-2.128	0.000	0.006	0.344	1.338	-1.960	0.007	0.133	0.344	0.306	0.169	0.001	0.019
		IGF2BP1	5.860	8.250	-0.494	0.002	0.038	15.167	8.250	0.878	0.000	0.001	15.167	5.858	1.372	0.000	0.000
		IGF2BP2	2.120	3.100	-0.546	0.015	0.285	2.210	3.096	-0.486	0.008	0.152	2.210	2.120	0.060	0.663	1.000
		IGF2BP3	1.270	3.590	-1.497	0.002	0.038	0.929	3.594	-1.952	0.001	0.012	0.929	1.273	-0.454	0.036	0.684
		YTHDC1	0.950	0.500	0.913	0.000	0.001	1.106	0.504	1.134	0.001	0.015	1.106	0.949	0.221	0.034	0.646
		YTHDC2	1.260	0.380	1.730	0.000	0.001	1.211	0.381	1.668	0.004	0.076	1.211	1.264	-0.062	0.477	1.000
		YTHDF1	14.000	16.900	-0.278	0.002	0.038	24.891	16.944	0.555	0.010	0.190	24.891	13.976	0.833	0.006	0.114
		YTHDF2	1.530	3.470	-1.179	0.004	0.076	1.666	3.465	-1.056	0.005	0.095	1.666	1.530	0.123	0.010	0.190
		YTHDF3	1.040	0.960	0.116	0.241	1.000	0.980	0.958	0.033	0.454	1.000	0.980	1.038	-0.083	0.358	1.000
	ERASERS	ALKBH5	0.170	0.280	-0.744	0.195	1.000	0.296	0.283	0.065	0.879	1.000	0.296	0.169	0.809	0.135	1.000
		FTO	14.300	6.360	1.169	0.009	0.171	3.786	6.358	-0.748	0.005	0.095	3.786	14.299	-1.917	0.003	0.057