

Table S1 Differentially Expressed RBP genes identified by using the “limma” R package

gene	conMean	treatMean	logFC	pValue	fdr
<i>PSMA6</i>	5.067965	7.340582	0.534488	4.13E-06	7.80E-06
<i>TRIM56</i>	14.03683	8.457367	-0.73094	1.06E-13	4.81E-13
<i>TRIM71</i>	0.549801	0.18144	-1.59942	3.76E-22	5.86E-21
<i>WDR12</i>	1.794604	3.338032	0.895333	2.11E-23	4.26E-22
<i>MRPS34</i>	40.12906	58.26645	0.538018	3.02E-12	1.11E-11
<i>MSI2</i>	1.851328	4.1046	1.148681	1.29E-23	2.82E-22
<i>TRIT1</i>	5.889062	8.940986	0.602396	4.86E-16	2.92E-15
<i>MRPL36</i>	8.521138	14.61598	0.778429	1.09E-13	4.92E-13
<i>ZNFX1</i>	17.51013	11.17484	-0.64794	5.72E-16	3.41E-15
<i>RBMS2</i>	23.61541	8.244909	-1.51815	1.25E-30	3.25E-28
<i>RBMS1</i>	13.21984	7.894883	-0.74372	7.51E-25	2.11E-23
<i>RBMS3</i>	5.838604	1.896406	-1.62236	3.95E-28	2.32E-26
<i>CWF19L2</i>	7.307515	4.67097	-0.64566	9.03E-20	8.91E-19
<i>L1TD1</i>	0.601589	0.206867	-1.54008	5.18E-25	1.49E-23
<i>SRSF12</i>	0.11344	0.550603	2.279083	1.26E-18	1.07E-17
<i>DAP3</i>	17.6745	26.57159	0.588215	9.31E-21	1.07E-19
<i>TSFM</i>	6.369356	10.22666	0.683116	3.40E-13	1.42E-12
<i>STAU2</i>	4.580246	7.033569	0.618832	1.30E-09	3.56E-09
<i>WDR3</i>	2.822003	4.318906	0.613946	3.42E-13	1.42E-12
<i>CNOT11</i>	16.55508	29.89745	0.852748	8.76E-28	4.53E-26
<i>ELAVL2</i>	0.01427	0.225269	3.980599	4.30E-10	1.25E-09
<i>ELAVL4</i>	0.026585	0.14265	2.423789	7.60E-15	3.96E-14
<i>PUSL1</i>	3.127631	6.2561	1.000193	1.88E-19	1.78E-18
<i>ZGPAT</i>	1.967856	2.920405	0.569544	7.93E-07	1.62E-06
<i>TOP3B</i>	0.052821	0.105969	1.004448	8.13E-13	3.17E-12
<i>NCBP2L</i>	0.150551	0.062247	-1.27418	0.000116	0.000192
<i>DDX56</i>	13.87582	20.65572	0.573968	1.20E-18	1.03E-17
<i>RBM28</i>	1.49362	2.312195	0.63045	8.54E-18	6.42E-17
<i>RPL37</i>	61.31788	87.72197	0.51663	1.90E-09	5.13E-09
<i>NOL10</i>	6.456634	9.336572	0.532111	5.44E-22	8.08E-21
<i>MRPL53</i>	1.48916	2.283324	0.616637	1.60E-13	7.00E-13
<i>ZC3H12B</i>	0.435671	0.228098	-0.93359	2.46E-18	2.05E-17
<i>ZC3H12C</i>	3.477406	1.738465	-1.0002	1.47E-21	1.96E-20
<i>ZC3H12D</i>	0.380904	0.714713	0.907934	2.99E-10	8.79E-10
<i>ZC3H12A</i>	20.67839	9.906458	-1.06168	0.009871	0.01301
<i>EEF1G</i>	0.110946	0.206385	0.895486	4.76E-07	9.91E-07
<i>GARS</i>	20.29834	34.3575	0.759264	4.91E-18	3.85E-17
<i>TRMU</i>	1.68514	2.971261	0.818207	9.80E-18	7.32E-17
<i>CD3EAP</i>	0.802715	1.716016	1.096103	5.76E-20	5.77E-19
<i>RDM1</i>	0.033455	0.484164	3.8552	8.71E-29	6.62E-27
<i>BYSL</i>	6.075839	11.93892	0.974517	4.70E-20	4.79E-19
<i>XPO5</i>	4.121361	7.522271	0.868047	2.25E-25	7.11E-24
<i>DZIP1L</i>	1.820106	1.073241	-0.76205	4.32E-10	1.25E-09
<i>GSPT2</i>	6.160093	3.927676	-0.64928	7.38E-13	2.90E-12
<i>METTL1</i>	4.411726	10.10259	1.19531	5.93E-21	7.17E-20
<i>DARS2</i>	5.001576	10.33995	1.047775	2.98E-24	6.65E-23
<i>SAMD4A</i>	4.977004	2.695761	-0.88459	2.04E-14	1.02E-13
<i>MRPL24</i>	22.96225	37.7738	0.718121	5.48E-15	2.90E-14
<i>IPO4</i>	0.546127	1.388458	1.346175	2.02E-24	4.67E-23
<i>ZNF598</i>	6.433286	9.389144	0.545438	8.90E-11	2.74E-10
<i>RCL1</i>	3.947617	2.760279	-0.51617	1.66E-14	8.36E-14
<i>MRPL38</i>	1.610317	2.399814	0.575578	3.78E-11	1.21E-10
<i>BOP1</i>	6.216106	16.99711	1.451206	1.59E-24	3.95E-23
<i>MRPL12</i>	12.50078	23.14688	0.8888	2.67E-14	1.32E-13
<i>EIF6</i>	56.97318	84.84706	0.574582	5.05E-13	2.03E-12
<i>ZC3H7B</i>	17.31591	11.38453	-0.60502	8.35E-15	4.32E-14
<i>WBP4</i>	9.259686	5.467334	-0.76013	1.34E-27	6.68E-26
<i>SPATS2</i>	2.494544	5.216855	1.064404	5.95E-26	2.26E-24
<i>MAEL</i>	0.090287	1.349693	3.901971	0.00011	0.000183
<i>RRP1</i>	5.392838	8.176445	0.600429	3.85E-15	2.07E-14
<i>TIPARP</i>	31.41727	17.35906	-0.85587	1.10E-12	4.20E-12
<i>TDRD5</i>	0.054294	0.913011	4.071754	1.10E-10	3.35E-10
<i>POLR2J3</i>	0.20844	0.425799	1.030541	2.94E-10	8.66E-10
<i>BRIX1</i>	4.498315	9.230606	1.037041	4.27E-23	8.00E-22
<i>PWP2</i>	0.134208	0.273406	1.026581	4.89E-05	8.46E-05
<i>ZCCHC2</i>	3.464211	2.405578	-0.52614	3.04E-14	1.48E-13
<i>THUMPD2</i>	2.2212	3.30275	0.572329	2.30E-17	1.63E-16
<i>MRPL34</i>	23.554	16.19303	-0.5406	1.83E-10	5.46E-10
<i>MRPS12</i>	9.984301	15.54737	0.638938	9.22E-10	2.57E-09
<i>EIF1</i>	258.3962	155.3796	-0.73379	3.32E-18	2.71E-17
<i>EIF1B</i>	30.49578	16.0103	-0.92961	1.54E-30	3.25E-28
<i>PLD6</i>	1.64745	2.55462	0.632874	6.73E-08	1.53E-07
<i>EXOSC4</i>	9.704287	16.33723	0.751469	1.38E-11	4.72E-11
<i>PTRH1</i>	0.170064	0.102227	-0.7343	4.50E-09	1.17E-08
<i>INTS8</i>	3.032252	6.269257	1.047905	3.73E-29	3.22E-27

Table S1 (continued)

Table S1 (continued)

gene	conMean	treatMean	logFC	pValue	fdr
MRPL54	39.47977	25.29357	-0.64234	1.24E-15	7.14E-15
GTPBP3	2.335819	3.809399	0.705635	8.68E-15	4.47E-14
LSM12	2.846066	4.113884	0.531532	6.66E-14	3.12E-13
HINT3	25.39869	14.0245	-0.85681	7.67E-26	2.75E-24
POLDIP3	36.6822	24.19802	-0.60019	1.46E-21	1.96E-20
N4BP1	20.99308	8.981509	-1.22488	5.01E-29	4.05E-27
NOP2	5.44173	9.875074	0.859726	4.91E-18	3.85E-17
MRPL15	25.91125	44.62693	0.784336	1.85E-15	1.05E-14
PUS1	2.073459	4.201563	1.018887	6.03E-21	7.22E-20
TDRKH	2.735015	6.646384	1.281021	1.46E-25	4.98E-24
OASL	10.51057	4.142823	-1.34315	2.66E-19	2.44E-18
OAS1	10.46465	19.80164	0.920096	3.68E-05	6.43E-05
OAS3	10.78244	16.55998	0.619018	0.003405	0.004767
PRPF3	7.517553	11.25126	0.581752	3.89E-10	1.14E-09
APOBEC4	1.553456	0.398627	-1.96237	1.78E-11	5.95E-11
ZCCHC24	14.86878	6.088521	-1.28812	8.19E-28	4.41E-26
DDX24	26.07739	17.21321	-0.59928	5.32E-22	8.00E-21
MBNL2	26.15654	16.42608	-0.67118	1.93E-21	2.54E-20
MBNL1	32.36914	22.30457	-0.53728	1.44E-21	1.96E-20
PUS7	2.474108	5.51457	1.15634	2.35E-25	7.24E-24
PUS7L	1.093321	1.952318	0.836471	6.51E-19	5.69E-18
MRPS24	2.55649	4.057326	0.666365	1.16E-08	2.89E-08
NOL3	9.038665	14.30644	0.662483	1.41E-06	2.78E-06
RPS27L	8.300582	5.778908	-0.52242	3.34E-11	1.08E-10
EARS2	3.769494	5.947301	0.657864	2.93E-18	2.42E-17
SMAD9	5.196107	1.767719	-1.55554	1.15E-26	4.79E-25
SMAD4	7.640689	5.102821	-0.58241	4.69E-23	8.67E-22
SMAD7	22.07602	8.379488	-1.39755	2.15E-28	1.46E-26
SMAD6	11.12437	1.541188	-2.85161	2.72E-29	2.54E-27
ADARB2	0.221941	0.094384	-1.23357	3.72E-18	3.01E-17
ADARB1	9.370808	2.376176	-1.97953	6.28E-30	9.02E-28
CLK2	8.220488	14.09498	0.777885	2.54E-16	1.60E-15
DUS4L	0.940582	1.951284	1.052798	2.42E-23	4.82E-22
IGF2BP3	0.105946	1.791389	4.079684	2.69E-14	1.32E-13
SNRPE	20.28406	34.85645	0.781079	2.14E-22	3.59E-21
NSUN5	5.64909	9.522206	0.753278	7.37E-18	5.64E-17
MTG1	0.936079	1.855687	0.987251	7.10E-18	5.46E-17
RPUSD1	5.54429	9.220926	0.733909	6.08E-15	3.20E-14
MRTO4	10.72711	16.42882	0.614967	2.38E-15	1.33E-14
MRPS33	4.737786	6.889574	0.540202	2.36E-10	7.01E-10
GAPDH	294.9389	769.9426	1.384335	4.45E-22	6.85E-21
MOV10L1	0.045863	0.132929	1.535248	1.22E-06	2.43E-06
PARP1	18.01833	28.48238	0.660604	3.97E-17	2.70E-16
MRPS35	25.91996	37.65081	0.538618	5.12E-07	1.06E-06
AFF1	13.29043	9.193024	-0.53178	5.78E-13	2.30E-12
AFF3	3.585131	0.625086	-2.5199	2.75E-29	2.54E-27
MATR3	0.208233	0.472029	1.180676	3.94E-13	1.62E-12
SNRPD1	6.479405	9.357294	0.53023	3.46E-10	1.01E-09
FXR2	15.30662	9.601737	-0.67279	2.56E-22	4.20E-21
CIRBP	57.34416	32.29032	-0.82854	1.75E-20	1.90E-19
GPATCH4	5.584555	8.742894	0.646669	7.61E-14	3.54E-13
GNL3	14.94036	25.91065	0.79433	3.21E-22	5.06E-21
FAM120B	8.815258	5.679269	-0.6343	2.01E-23	4.12E-22
KHDC1	0.410847	0.908994	1.145668	2.11E-17	1.53E-16
EPRS	22.20719	34.56181	0.638152	1.58E-15	8.99E-15
CCDC86	7.762409	11.87893	0.613828	5.69E-14	2.68E-13
C2orf15	1.000409	2.189739	1.13017	2.94E-17	2.04E-16
BARB1	1.173203	2.537755	1.1131	1.95E-21	2.54E-20
XPO4	5.098431	2.859566	-0.83426	1.52E-24	3.84E-23
RUVBL1	5.658124	8.407967	0.571433	1.03E-12	3.97E-12
DDX52	3.065776	4.501488	0.55415	1.63E-17	1.19E-16
THOC1	2.114031	3.079279	0.542596	4.48E-10	1.29E-09
TRPT1	6.979729	11.06325	0.664532	3.84E-14	1.84E-13
NOP16	3.997836	6.408223	0.680705	2.75E-12	1.02E-11
U2AF1	0.082125	0.121218	0.561723	0.013241	0.017137
DNMT3B	0.374128	1.606738	2.102532	1.42E-24	3.68E-23
ZC3HAV1L	1.144931	3.319436	1.535678	9.75E-25	2.57E-23
SIDT1	1.031024	1.865801	0.855717	0.000363	0.000571
SIDT2	17.42598	6.812796	-1.35492	7.60E-30	9.83E-28
WDR4	2.509037	4.255118	0.762065	2.18E-17	1.56E-16
ATXN1L	10.51747	5.908373	-0.83195	1.97E-22	3.36E-21
ILF2	60.98742	112.9826	0.889518	8.07E-25	2.22E-23
STRBP	2.985682	4.67735	0.647631	3.01E-16	1.87E-15
NXF3	1.692988	0.39665	-2.09363	8.70E-25	2.34E-23
ZRSR2	9.130287	6.275918	-0.54083	1.35E-13	6.02E-13

Table S1 (continued)

Table S1 (continued)

gene	conMean	treatMean	logFC	pValue	fdr
<i>RRS1</i>	10.07681	16.25664	0.68999	1.54E-10	4.61E-10
<i>PRKDC</i>	8.380979	16.52054	0.979071	1.39E-13	6.12E-13
<i>NOC2L</i>	12.21774	17.68054	0.533185	1.25E-14	6.34E-14
<i>NOL11</i>	8.113117	11.60412	0.516309	2.69E-19	2.45E-18
<i>PNPT1</i>	5.559492	7.956475	0.517176	2.09E-12	7.79E-12
<i>POP7</i>	19.00986	27.63641	0.539822	1.04E-09	2.88E-09
<i>FASTKD3</i>	2.942505	5.067231	0.784153	4.45E-16	2.70E-15
<i>TBRG4</i>	6.369945	11.34669	0.832919	1.31E-21	1.80E-20
<i>FASTK</i>	14.36693	21.12347	0.556094	2.16E-09	5.77E-09
<i>SARS2</i>	1.127905	1.971855	0.805908	8.66E-13	3.36E-12
<i>PAIP2</i>	27.25969	17.36477	-0.65061	7.38E-26	2.73E-24
<i>PNRC2</i>	41.46673	25.76301	-0.68665	4.99E-25	1.47E-23
<i>GEMIN6</i>	2.379299	3.556612	0.579967	2.50E-11	8.17E-11
<i>DDX39A</i>	9.75995	15.22677	0.641664	4.15E-13	1.69E-12
<i>DHX37</i>	2.979462	4.608014	0.629093	4.77E-15	2.55E-14
<i>RNASE1</i>	784.2045	388.8909	-1.01186	2.32E-16	1.47E-15
<i>RNASE2</i>	1.369958	2.233865	0.70541	0.002018	0.002887
<i>RNASE3</i>	0.109922	0.161352	0.553737	0.038682	0.047498
<i>RNASE4</i>	1.71418	0.953724	-0.84587	2.87E-16	1.79E-15
<i>ANG</i>	13.5871	8.970534	-0.59897	2.97E-14	1.45E-13
<i>CTU2</i>	3.00433	4.698587	0.645184	9.41E-14	4.31E-13
<i>XPOT</i>	9.600285	15.44311	0.685815	2.31E-12	8.59E-12
<i>RBMXL1</i>	6.73967	4.188226	-0.68634	4.29E-20	4.40E-19
<i>PPP1R10</i>	25.39247	17.26877	-0.55624	3.90E-09	1.01E-08
<i>PRR3</i>	2.682658	3.973561	0.56677	2.66E-14	1.32E-13
<i>DKC1</i>	10.15112	18.50262	0.866091	2.07E-27	9.57E-26
<i>EIF3CL</i>	0.079554	0.115225	0.534457	0.000586	0.000893
<i>DHX34</i>	2.759954	4.811692	0.8019	5.54E-17	3.67E-16
<i>HEXIM2</i>	0.887543	1.296402	0.546625	4.30E-09	1.12E-08
<i>SRRM3</i>	0.129318	0.722768	2.482603	2.64E-23	5.18E-22
<i>PIH1D3</i>	1.823846	0.342853	-2.41132	4.21E-11	1.34E-10
<i>CSDC2</i>	2.229082	1.425022	-0.64547	1.28E-08	3.18E-08
<i>LARP6</i>	1.796875	1.26205	-0.50972	1.64E-09	4.43E-09
<i>RNPC3</i>	1.769801	2.61905	0.565456	0.023546	0.029673
<i>TRIM25</i>	13.89652	7.824322	-0.82869	2.14E-19	1.99E-18
<i>MRPL9</i>	19.17092	29.24703	0.609371	6.62E-21	7.79E-20
<i>EXOSC5</i>	7.506115	13.92977	0.892033	1.37E-15	7.85E-15
<i>AIMP2</i>	7.124297	12.44392	0.804621	9.97E-20	9.77E-19
<i>BZW2</i>	13.38536	27.62762	1.045455	1.74E-23	3.70E-22
<i>PARS2</i>	1.6966	3.093568	0.866625	2.84E-20	2.99E-19
<i>SKIV2L</i>	8.507078	12.45898	0.55045	3.38E-15	1.84E-14
<i>ZFP36</i>	558.3071	147.0839	-1.92442	9.11E-19	7.85E-18
<i>ZFP36L2</i>	87.59793	54.89643	-0.67418	8.86E-16	5.21E-15
<i>DROSHA</i>	5.79774	9.30324	0.682242	4.95E-16	2.96E-15
<i>NUDT16</i>	12.3069	8.633166	-0.51151	5.65E-13	2.26E-12
<i>PURA</i>	4.726193	3.267087	-0.53267	2.25E-20	2.40E-19
<i>PURG</i>	0.073592	0.046781	-0.65362	1.32E-09	3.60E-09
<i>TSEN54</i>	8.141034	11.94587	0.553228	3.01E-13	1.27E-12
<i>SRP9</i>	73.81701	112.0092	0.601592	8.56E-12	3.03E-11
<i>TARBP1</i>	4.191917	7.017183	0.743282	2.06E-08	4.97E-08
<i>AGO4</i>	7.67789	5.21339	-0.55849	4.79E-15	2.55E-14
<i>EZH2</i>	0.874705	4.870216	2.477118	1.58E-31	6.81E-29
<i>EIF3B</i>	17.83877	27.75358	0.637658	3.47E-17	2.40E-16
<i>HEATR1</i>	3.018755	5.923081	0.972394	1.80E-25	5.98E-24
<i>AARSD1</i>	0.834309	1.556768	0.8999	1.29E-20	1.43E-19
<i>CPSF3</i>	8.853461	12.93629	0.547111	6.49E-21	7.70E-20
<i>ETF1</i>	51.15785	26.23574	-0.96342	1.32E-30	3.25E-28
<i>EIF2AK1</i>	28.1137	47.27085	0.749678	2.97E-23	5.73E-22
<i>KHDRBS2</i>	3.835304	1.061312	-1.85349	2.46E-24	5.58E-23
<i>QKI</i>	19.28016	6.494697	-1.56978	2.29E-30	3.71E-28
<i>PTCD2</i>	0.592627	0.871203	0.555885	9.21E-12	3.24E-11
<i>DDX55</i>	2.548951	4.182295	0.714391	2.07E-20	2.23E-19
<i>CPSF4</i>	4.919171	7.348857	0.579105	1.41E-12	5.36E-12
<i>CSTF2</i>	5.634232	10.49853	0.897897	3.15E-27	1.40E-25
<i>RAVER2</i>	5.188517	2.804493	-0.88758	3.99E-20	4.16E-19
<i>NSUN2</i>	11.55163	19.85496	0.781403	2.70E-20	2.87E-19
<i>URB2</i>	2.145308	3.227357	0.589168	2.99E-13	1.27E-12
<i>PPARGC1A</i>	1.534079	0.91636	-0.74339	2.93E-13	1.24E-12
<i>PPARGC1B</i>	1.24962	0.459603	-1.44303	1.71E-23	3.68E-22
<i>MCTS1</i>	8.290084	13.00712	0.649843	5.15E-17	3.43E-16
<i>ZC3H13</i>	10.09548	6.491897	-0.637	4.70E-17	3.17E-16
<i>RBM24</i>	0.528086	0.247517	-1.09325	1.06E-15	6.18E-15
<i>THOC3</i>	1.481842	2.637103	0.831562	1.28E-13	5.73E-13
<i>VARS</i>	12.04465	22.26593	0.886445	8.52E-21	9.84E-20
<i>INTS7</i>	4.001724	6.721535	0.748169	4.63E-21	5.75E-20

Table S1 (continued)

Table S1 (continued)

gene	conMean	treatMean	logFC	pValue	fdr
<i>PPIL4</i>	14.84808	10.31791	-0.52513	2.50E-18	2.08E-17
<i>CTIF</i>	9.864392	3.610558	-1.45001	1.23E-28	8.84E-27
<i>RNF17</i>	0.017259	0.034227	0.987795	7.66E-05	0.00013
<i>TDRD1</i>	0.056906	0.468954	3.042795	0.00823	0.010971
<i>RBPM5</i>	16.58683	10.29347	-0.68831	3.83E-15	2.07E-14
<i>RPL3L</i>	0.024344	0.124387	2.353197	2.55E-17	1.78E-16
<i>RBM34</i>	0.531463	0.770629	0.536068	2.19E-08	5.28E-08
<i>ENDOU</i>	0.237333	0.09125	-1.37902	3.29E-21	4.17E-20
<i>TYW5</i>	0.791406	1.179632	0.575847	1.71E-11	5.76E-11
<i>RAE1</i>	4.12038	6.111499	0.568749	3.33E-15	1.82E-14
<i>SLU7</i>	15.37383	10.30092	-0.5777	6.62E-22	9.73E-21
<i>EEF1A1</i>	1069.081	752.0981	-0.50738	3.94E-18	3.17E-17
<i>EEF1A2</i>	0.434153	34.93261	6.330226	2.35E-17	1.66E-16
<i>R3HDM1</i>	2.640581	4.376531	0.728932	7.56E-21	8.81E-20
<i>ERI2</i>	1.652853	2.399537	0.537798	4.58E-12	1.66E-11
<i>NIFK</i>	11.82223	16.77375	0.504703	1.05E-14	5.39E-14
<i>WDR46</i>	12.00481	18.113	0.593414	1.08E-21	1.56E-20
<i>CMSS1</i>	3.182648	4.566689	0.520921	2.08E-07	4.52E-07
<i>ZNF106</i>	17.58701	6.119998	-1.52291	2.29E-29	2.47E-27
<i>UTP14A</i>	4.411774	6.785292	0.621052	5.35E-23	9.73E-22
<i>UTP14C</i>	7.686119	5.197951	-0.56431	1.82E-18	1.54E-17
<i>TRUB2</i>	4.436414	6.666511	0.587538	7.96E-14	3.69E-13
<i>PRIM1</i>	2.327289	3.935529	0.757907	2.48E-07	5.34E-07
<i>HNRNPA0</i>	25.75662	18.17214	-0.50322	2.05E-19	1.92E-18
<i>RNASE13</i>	0.029076	0.01623	-0.84116	3.78E-05	6.60E-05
<i>MRPL3</i>	21.25062	35.32275	0.733092	7.78E-23	1.40E-21
<i>TFB2M</i>	6.857052	13.54472	0.98207	1.64E-24	4.01E-23
<i>CPSF1</i>	11.98717	18.68789	0.640613	8.52E-09	2.14E-08
<i>DDX3X</i>	57.84257	36.45766	-0.66591	3.88E-17	2.65E-16
<i>NOP56</i>	12.22428	17.56274	0.522768	1.03E-11	3.59E-11
<i>MRM1</i>	2.305636	4.994401	1.115147	9.74E-23	1.72E-21
<i>RPL21</i>	123.6543	78.94393	-0.64741	4.85E-22	7.38E-21
<i>NOL12</i>	1.1345	1.695555	0.579701	2.95E-07	6.26E-07
<i>SNRPA1</i>	5.048064	8.458434	0.74466	1.17E-20	1.31E-19
<i>FTO</i>	6.472573	3.725667	-0.79684	4.06E-20	4.20E-19
<i>SAMHD1</i>	71.73208	28.44952	-1.33421	1.36E-26	5.49E-25
<i>PCF11</i>	7.139646	4.992743	-0.51602	1.89E-11	6.24E-11
<i>NPM3</i>	9.542712	24.74746	1.374809	1.97E-24	4.62E-23
<i>NUPL2</i>	4.120286	6.520892	0.662325	5.80E-17	3.83E-16
<i>SF3A1</i>	31.00648	21.24535	-0.54542	1.01E-19	9.85E-19
<i>TDRD3</i>	4.666137	2.518931	-0.88942	2.38E-22	3.94E-21
<i>SNRPB</i>	91.14057	138.993	0.608847	1.29E-10	3.92E-10
<i>SNRPN</i>	26.22329	17.53541	-0.58058	1.22E-13	5.49E-13
<i>ERN2</i>	0.619314	4.92884	2.992506	0.013764	0.017726
<i>GTPBP4</i>	6.650053	9.796331	0.558876	4.60E-12	1.66E-11
<i>MRPL13</i>	5.808234	9.038098	0.63792	6.15E-12	2.22E-11
<i>LSM5</i>	5.470853	7.92174	0.534052	3.90E-11	1.24E-10
<i>PIH1D2</i>	1.622771	0.973141	-0.73774	0.000905	0.001351
<i>TTF2</i>	1.216178	2.177134	0.840075	1.23E-21	1.75E-20
<i>UTP3</i>	22.59769	15.58231	-0.53627	3.59E-21	4.51E-20
<i>PTBP2</i>	0.884239	1.347514	0.607792	2.76E-05	4.92E-05
<i>TLR7</i>	2.811367	1.475531	-0.93004	1.91E-15	1.08E-14
<i>TLR8</i>	7.343143	1.946671	-1.91539	2.43E-25	7.30E-24
<i>TLR3</i>	4.559079	2.740902	-0.73409	3.52E-14	1.71E-13
<i>TRMT2A</i>	6.057665	8.94427	0.562202	4.02E-10	1.17E-09
<i>BRCA1</i>	0.753214	2.05801	1.450117	8.35E-17	5.37E-16
<i>DQX1</i>	0.04896	0.444066	3.181113	4.64E-14	2.20E-13
<i>SAP18</i>	42.31843	29.00625	-0.54492	1.62E-20	1.77E-19
<i>TDRD12</i>	0.041657	0.229757	2.463487	3.15E-08	7.41E-08
<i>URB1</i>	2.680012	5.500636	1.037359	2.30E-21	2.94E-20
<i>CELF2</i>	22.5813	8.56405	-1.39876	5.37E-27	2.31E-25
<i>CELF3</i>	0.021897	0.799798	5.190822	2.39E-09	6.35E-09
<i>CELF4</i>	0.18934	0.4137	1.127608	0.012526	0.016278
<i>CELF5</i>	0.020556	0.265379	3.690423	3.40E-18	2.77E-17
<i>CELF6</i>	0.005995	0.010978	0.872733	0.003913	0.00543
<i>CPEB1</i>	0.270913	0.142795	-0.92389	1.79E-19	1.70E-18
<i>CPEB2</i>	5.62504	3.794998	-0.56776	2.81E-15	1.55E-14
<i>CPEB3</i>	1.462075	0.962637	-0.60295	2.39E-18	2.01E-17
<i>CPEB4</i>	8.139873	5.409493	-0.58951	3.50E-15	1.90E-14
<i>PRPF8</i>	40.05815	28.01922	-0.51568	3.37E-13	1.41E-12
<i>SECISBP2L</i>	29.10407	10.0189	-1.5385	1.97E-27	9.45E-26
<i>EEF1E1</i>	3.556664	5.332934	0.584405	1.72E-10	5.14E-10
<i>TARS</i>	11.74162	19.32011	0.718472	5.20E-13	2.09E-12
<i>TARS2</i>	5.813061	10.41455	0.84123	9.82E-26	3.43E-24
<i>IARS</i>	12.31866	17.72633	0.525049	1.79E-13	7.75E-13

Table S1 (continued)

Table S1 (continued)

gene	conMean	treatMean	logFC	pValue	fdr
APEX1	56.95301	81.13494	0.510551	4.36E-13	1.77E-12
PABPC3	0.135367	0.345032	1.349855	1.77E-09	4.77E-09
PABPC1L	1.848931	7.506662	2.021481	4.00E-18	3.19E-17
PABPC5	0.46299	0.234858	-0.9792	2.32E-14	1.15E-13
PABPC1	204.6724	369.3999	0.851867	1.39E-13	6.12E-13
MEX3A	0.276344	5.148435	4.219599	5.20E-32	3.52E-29
MEX3B	0.559306	1.185385	1.083645	7.60E-16	4.51E-15
MEX3D	6.444185	10.02671	0.637778	1.04E-07	2.32E-07
GEMIN7	5.771295	8.667446	0.586712	1.39E-11	4.73E-11
MRPS23	6.816689	9.894114	0.537499	9.20E-10	2.57E-09
PSIP1	13.32677	8.168409	-0.7062	4.25E-19	3.76E-18
FARSB	9.467864	13.83988	0.547721	2.30E-17	1.63E-16
RPL39L	3.543231	15.04963	2.08659	3.96E-19	3.56E-18
SNRNP25	6.168567	9.893215	0.681504	8.09E-13	3.16E-12
GEMIN2	2.588188	4.195123	0.696771	3.58E-09	9.38E-09
UTP20	2.654876	4.380074	0.72231	2.26E-07	4.89E-07
SRSF5	49.22792	31.18889	-0.65844	4.75E-15	2.55E-14
NOL6	9.347503	13.2855	0.5072	4.65E-11	1.47E-10
ZC3H8	0.935277	1.620733	0.793181	1.59E-20	1.76E-19
DCAF13	2.819396	6.4774	1.200029	2.84E-26	1.11E-24
ARHGEF28	2.045636	1.398776	-0.54838	3.40E-11	1.10E-10
PRPF40B	0.627653	1.149009	0.872351	2.55E-16	1.60E-15
EIF3L	48.67691	33.42027	-0.54251	6.52E-17	4.26E-16
POP1	1.19282	1.987339	0.736461	2.43E-15	1.35E-14
DCPS	4.188881	6.072925	0.535827	1.70E-13	7.39E-13
POLR2H	9.121325	16.82003	0.882865	1.78E-23	3.71E-22
ZNF239	0.864176	2.672482	1.628784	2.14E-25	6.91E-24
YBX2	0.043317	1.34743	4.959121	1.83E-22	3.15E-21
YBX3	30.10348	19.80211	-0.60428	1.53E-15	8.74E-15
NSRP1	9.760601	6.816176	-0.51801	3.66E-17	2.52E-16
TRIM21	24.27514	14.95604	-0.69875	1.27E-21	1.77E-20
EED	2.15003	3.165167	0.557925	2.49E-15	1.38E-14
SBDS	98.33646	47.20261	-1.05886	3.10E-28	2.01E-26
RPL22L1	6.894798	12.62729	0.872965	2.34E-09	6.23E-09
RNASEH2A	5.377101	10.97498	1.029318	4.87E-17	3.26E-16
FRG1	16.80663	11.4115	-0.55854	5.42E-20	5.47E-19
RBM12B	1.742767	2.960542	0.764482	2.10E-17	1.53E-16
ESRP1	14.11103	25.74472	0.867453	4.85E-21	5.97E-20
RNH1	44.30165	23.74234	-0.8999	6.01E-28	3.38E-26
RPP40	1.263054	3.30244	1.386616	1.02E-22	1.78E-21
SMG6	3.257414	2.117651	-0.62126	6.72E-17	4.37E-16
LRRFIP1	29.76466	13.14053	-1.17958	1.15E-29	1.36E-27
EIF4E3	6.803982	2.846406	-1.25724	3.27E-28	2.02E-26
GTPBP1	12.67298	8.332791	-0.60488	1.07E-19	1.03E-18
RPL36A	12.55368	18.29044	0.542979	1.69E-07	3.71E-07
MAGOHB	2.186166	3.563544	0.70491	9.77E-14	4.46E-13
IARS2	26.60692	39.6891	0.576941	3.74E-14	1.80E-13
EXO1	0.196316	2.432559	3.631224	1.76E-30	3.25E-28
DCP1A	8.356429	5.40737	-0.62796	3.09E-22	4.93E-21
NANOS1	0.316315	0.929783	1.555532	8.84E-16	5.21E-15
PTRH2	2.941395	5.278393	0.843598	7.46E-20	7.42E-19
MRPS25	7.289311	11.18509	0.617722	2.32E-05	4.17E-05
RPP21	3.11754	4.751706	0.608038	1.82E-11	6.06E-11
IFIT2	15.16912	7.260745	-1.06295	4.72E-18	3.75E-17
IFIT5	13.60223	8.622726	-0.65763	2.17E-17	1.56E-16
IFIT3	38.98676	20.37735	-0.93602	8.80E-19	7.64E-18
NOVA2	2.816928	0.490456	-2.52193	5.44E-32	3.52E-29
PTCD1	0.955681	1.430412	0.581831	1.08E-10	3.31E-10
MRPS6	7.83287	11.37085	0.537727	9.76E-05	0.000163
CNP	10.78542	15.36528	0.510592	2.58E-15	1.42E-14
R3HCC1	15.33315	10.60021	-0.53256	6.40E-17	4.20E-16
MARS	11.62692	17.35544	0.577919	1.18E-13	5.32E-13
DUS1L	9.710959	18.64843	0.941369	1.19E-21	1.72E-20
SETX	11.4932	7.922113	-0.53682	3.31E-19	2.99E-18
MARS2	2.066365	3.507431	0.76332	3.33E-16	2.06E-15
MTIF2	7.686576	11.19812	0.542843	2.67E-22	4.31E-21
JAKMIP1	0.288886	0.691105	1.258404	2.82E-08	6.69E-08
FASTKD1	3.015875	4.388567	0.541173	5.49E-14	2.60E-13