

Table SI. Primer sequences used for reverse transcription-quantitative PCR experiments.

Primer name	Sequence (5'→3')
GAPDH	F: GGTCGGAGTCAACGGATTG
	R: GGAAGATGGTGATGGGATTTTC
USF-1	F: GAGACGCACTATACTTACTTC
	R: CGACGCTCCACTTCATTA
Primer binding site	F: AATTAACCCTCACTAAAGGG
	R: GTCCTTATCATCGTCGTCTT
ETV5-IP	F: GCTGTCCATCACCTCTTG
	R: AACAAGCCTGTGCTGATT

USF-1, upstream transcription factor 1; F, forward; R, reverse.

Table SII. Overlapping genes between USF1-regulated differentially expressed genes and USF1-bound genes.

Gene	logFC	P-value	FDR	Expression						Gene symbol
				Ctrl_1	Ctrl_2	Ctrl_3	USF1_1	USF1_2	USF1_3	
ENSG00000227375.5	1.52	4.48x10 <sup>-4</sup>	1.22 x10 <sup>-2</sup>	0.10	0.06	0.08	0.12	0.26	0.36	DLG1-AS1
ENSG00000130513.6	1.29	1.04x10 <sup>-29</sup>	8.14x10 <sup>-27</sup>	2.90	3.46	2.81	7.54	7.43	8.21	GDF15
ENSG00000105499.13	1.44	1.40x10 <sup>-9</sup>	1.78x10 <sup>-7</sup>	0.19	0.17	0.23	0.52	0.59	0.57	PLA2G4C
ENSG00000124762.13	1.15	1.07x10 <sup>-38</sup>	1.45x10 <sup>-35</sup>	4.86	4.60	4.81	10.19	11.01	11.72	CDKN1A
ENSG00000087074.7	1.13	2.03x10 <sup>-44</sup>	3.74x10 <sup>-41</sup>	11.32	11.74	12.67	25.66	27.05	28.70	PPP1R15A
ENSG00000267308.1	1.47	0.00	0.01	0.19	0.25	0.25	0.67	0.71	0.59	AC004510.3
ENSG00000010361.13	1.15	0.00	0.03	0.17	0.22	0.03	0.26	0.28	0.41	FUZ
ENSG00000244405.7	1.16	4.78x10 <sup>-41</sup>	7.62x10 <sup>-38</sup>	3.70	3.08	3.04	8.26	7.52	7.07	ETV5
ENSG00000262766.1	-1.30	0.00	0.02	0.92	0.62	0.97	0.38	0.35	0.34	RP11-196G11.4
ENSG00000168505.6	1.24	1.61x10 <sup>-6</sup>	0.00	0.12	0.37	0.22	0.54	0.31	0.79	GBX2
ENSG00000245532.5	-1.87	1.49x10 <sup>-129</sup>	2.62x10 <sup>-125</sup>	60.35	12.60	30.07	11.41	9.10	8.94	NEAT1
ENSG00000273391.1	1.11	6.30x10 <sup>-5</sup>	0.00	0.98	0.50	0.67	1.23	1.54	2.17	RP11-634H22.1
ENSG00000271937.1	3.39	0.00	0.04	0.04	0.00	0.00	0.23	0.31	0.15	RP11-424N24.2
ENSG00000125122.14	2.12	0.00	0.03	0.03	0.03	0.00	0.16	0.04	0.09	LRRC29
ENSG00000120738.7	1.58	1.07x10 <sup>-28</sup>	7.99x10 <sup>-26</sup>	0.53	0.61	0.47	1.83	1.49	1.66	EGR1
ENSG00000125740.13	2.19	1.99x10 <sup>-56</sup>	6.35x10 <sup>-53</sup>	0.30	0.22	0.27	1.09	1.38	1.31	FOSB

Ctrl, control; FC, fold change; FDR, false discovery rate; USF1, upstream transcription factor 1; DLG1-AS1, DLG1-antisense RNA 1; GDF15, growth differentiation Factor 15; PLA2G4C, phospholipase A2 Group IVC; CDK, Cyclin-Dependent kinase; PPP1R15A, protein Phosphatase 1 Regulatory subunit 15A; FUZ: Fuzzy Planar Cell Polarity protein; ETV5: ETS Transcription factor 5; GBX2, gastrulation Brain homeobox 2; NEAT1, nuclear-enriched Abundant Transcript 1; LRRC29: Leucine-Rich Repeat Containing 29; EGR1, early Growth response 1; FOSB: FBJ murine osteosarcoma viral oncogene Homolog B