

Fig. S1.

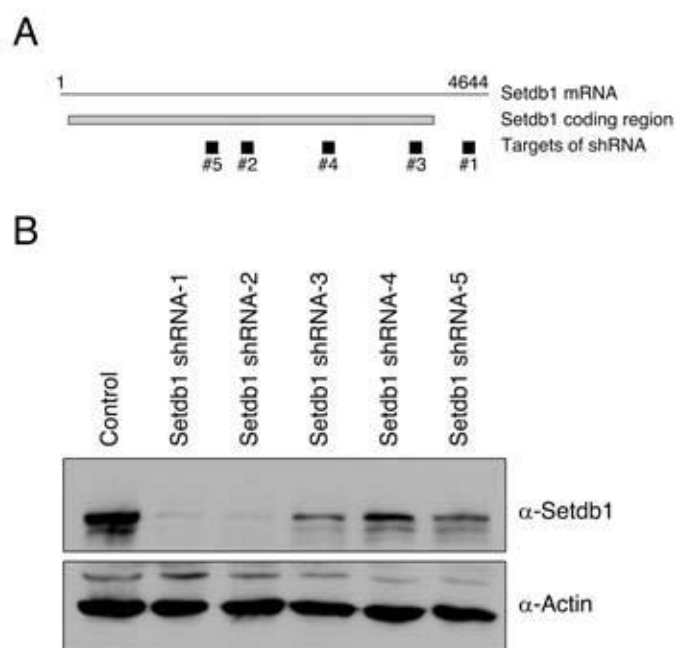


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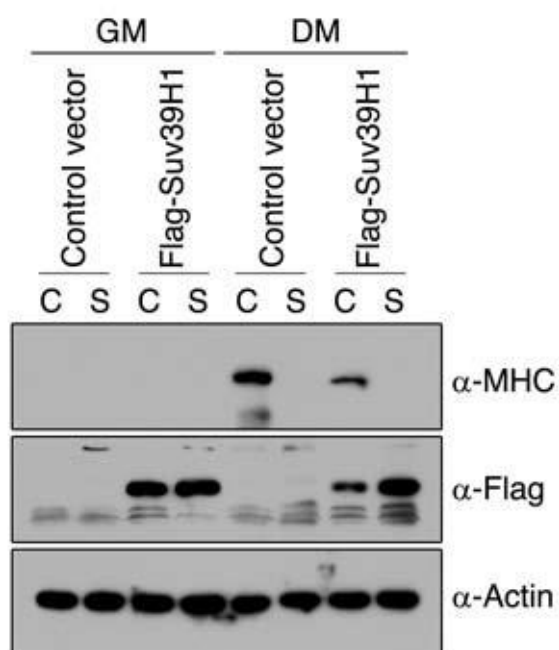


Fig. S3.

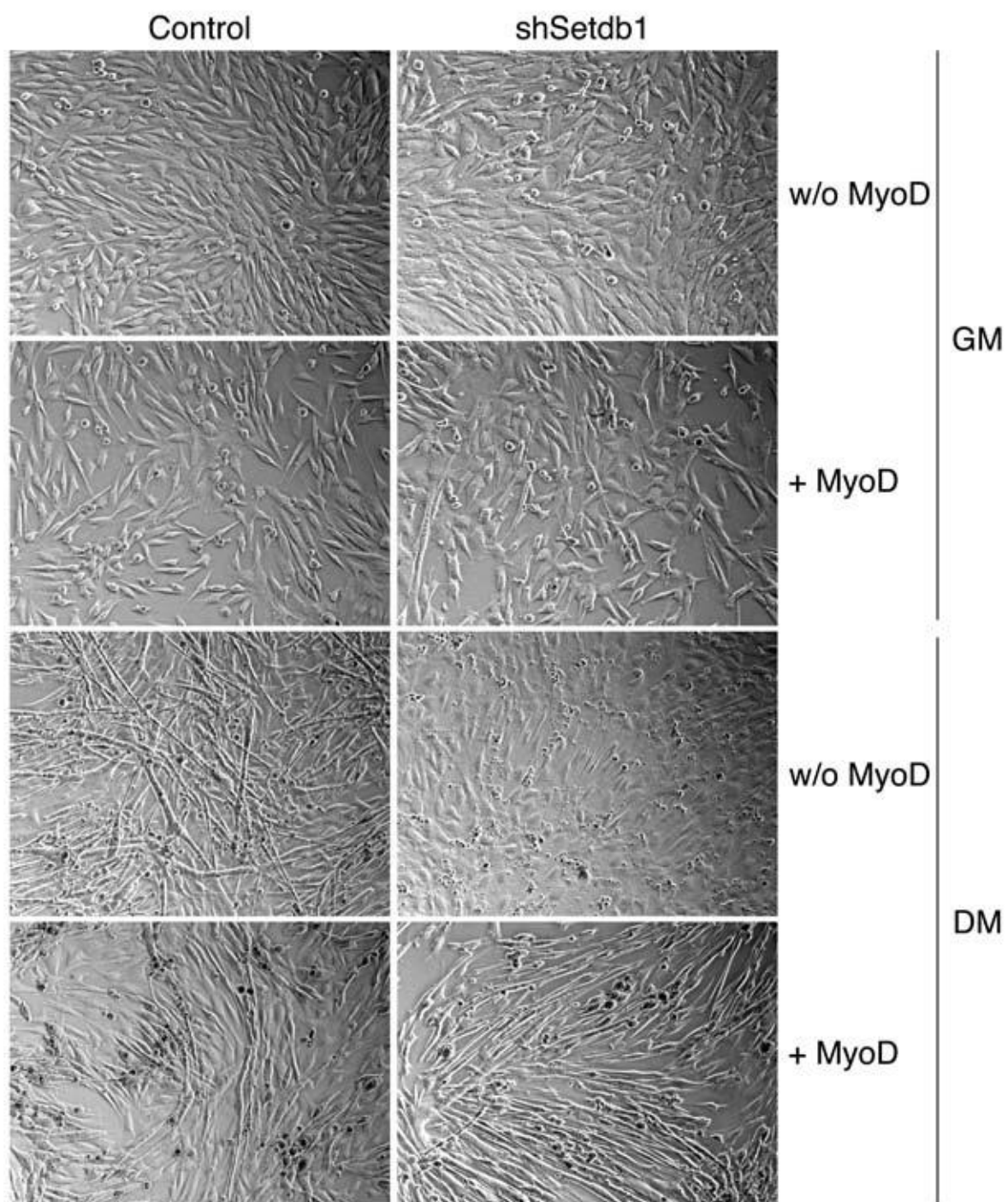


Table S1. Genes deregulated by Setdb1-depletion in C2C12 myoblast cells

Genes	Fold change (Microarray)	Fold change (NGS)
Adhesion		
Nid2	-5.19	-3.82
Emb	-3.64	-4.40
Msln	3.04	12.06
Biological		
Pdgfr1	-6.26	-8.49
Kctd15	-5.10	-5.91
Sgca	-3.22	-3.04
Kbtbd5	-3.15	-3.09
Sertad4	-2.36	-2.57
Lix1	-2.27	-3.97
Gprc5a	2.22	2.77
Gm773	2.84	2.22
Pr12c3	15.00	8.06
Cell death		
Peg3	-7.55	-4.83
G0s2	-6.31	-9.55
Pcsk9	-5.94	-4.99
Mmp2	-3.06	-2.17
Dapk2	-3.06	-3.80
Tgfb3	-2.53	-5.20
Aim2	2.35	4.76
Casp4	2.37	2.39
Aqp1	2.71	2.04
Xdh	2.94	3.26
Slc9a3r1	2.97	4.02
Amigo2	3.55	3.23
Cell cycle		
Igf2	-33.29	-39.05
Gspt2	2.63	2.25
Cytoskeletal		
Pdlim3	-8.01	-2.99
Ptn	-4.55	-13.51
Sobp	-3.90	-2.72
Tppp3	-3.44	-2.21
Fmnl2	-3.37	-4.56
Lrrc17	-2.14	-4.43
Sgcb	-2.12	-2.08
Localization		
Chrng	-21.69	-7.78
Mb	-10.30	-13.88
Ttyh3	-2.98	-2.84
Gga2	-2.80	-4.71
Bscl2	-2.54	-3.31
Mest	-2.19	-18.59
Spire2	2.79	2.23

Metabolism

C1qtnf3	-25.98	-11.10
Igfbp4	-8.44	-5.59
Ckb	-5.41	-9.28
Ebf3	-2.79	-2.21
Col1a1	-2.74	-3.32
Adamts12	-2.70	-2.70
Dkk3	-2.56	-3.43
Pknox2	-2.42	-2.49
Mmp15	-2.36	-2.50
Tlr2	-2.27	-2.54
Zfp36l1	-2.26	-2.12
Gamt	-2.07	-3.16
Gchfr	2.22	2.30
Areg	2.72	3.93
Klf2	2.75	4.16
Rapgef3	2.93	2.43
Atg9b	3.00	2.90
Acsbg1	3.38	28.12
Sgsm1	3.58	2.58
4930486L24Rik	3.73	3.26
5730469M10Rik	3.86	4.53
Akr1c12	4.26	4.37
Dppa4	10.57	2.59

Muscle

Mylpf	-111.79	-96.85
Tnnt1	-90.57	-11.47
Myl1	-81.06	-3.33
Actc1	-71.28	-45.60
Tnnc2	-69.35	-26.55
Atp2a1	-27.53	-12.33
Tnnc1	-24.75	-37.74
Igfbp5	-23.59	-8.54
Ogn	-18.16	-11.81
Tpm2	-15.33	-2.64
Myog	-13.14	-35.92
Acta1	-10.34	-9.06
Tnnt3	-8.93	-11.32
Myod1	-5.96	-8.40
Pgam2	-5.60	-2.60
Actn3	-5.26	-3.85
Myom2	-5.01	-4.21
Hey1	-3.67	-3.64
Lrp4	-3.59	-6.53
Sulf2	-2.88	-2.19
Ncam1	-2.82	-17.57
Nfatc4	-2.56	-3.11
Pparg	3.23	2.52

Signaling

Itga11	-6.00	-4.26
Cthrc1	-3.35	-5.73
Ephb2	-2.99	-3.35

Gprc5b	-2.09	-2.67
Rcan2	2.91	5.25
Apccd1	3.08	2.57

Unannotated

Islr	-8.28	-9.23
Lrrn1	-6.42	-8.08
Rtn2	-5.64	-4.17
Drp2	-4.41	-2.31
Cd200	-3.41	-12.55
Actg2	-3.16	-6.64
Srl	-3.06	-3.97
1810014F10Rik	-2.76	-4.16
Cd82	-2.63	-2.16
Tspan7	3.30	7.79
Havcr2	4.58	5.95
Cd69	4.73	2.58
Ly6c1	5.58	5.81
Ly6a	6.21	47.23

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